z/OS V2R2 MVS Data Areas Volume 4 (SCF - XTL)

Version 2 Release 2

GA32-0938-03

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Contents

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Chapter 1. SCFS Information

SCFS Heading Information

Common Name: SUPERVISOR CONTROL FLIH SAVEAREA
Macro ID: IHASCFS
DSECT Name: SCFS
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID: SCFS
Offset: 0
Length: 4
Storage Attributes: Subpool: 239 (FETCH-PROTECTED)
Key: 0
Size: 824 BYTES
Created by: NIP AND RECONFIGURATION
Pointed to by: PSASCFS
WSACSCFS
Serialization: DISABLEMENT
Function: CONTAINS STATUS INFORMATION SAVED BY THE EXTERNAL FLIH AND THE I/O FLIH.

SCFS mapping

Table 1. Structure SCFS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SCFS	
0	(0)	CHARACTER	4	SCFSSCFS	SCFS ACRONYM.
		I/O FLIH GENERAL REGISTER SAVEAREA 1			
4	(4)	BITSTRING	64	SCFSIGR1(0)	I/O FLIH GENERAL REGISTER SAVEAREA 1.
4	(4)	SIGNED	4	SCFSI1G0	GENERAL REGISTER 0
8	(8)	SIGNED	4	SCFSI1G1	GENERAL REGISTER 1
12	(C)	SIGNED	4	SCFSI1G2	GENERAL REGISTER 2
16	(10)	SIGNED	4	SCFSI1G3	GENERAL REGISTER 3
20	(14)	SIGNED	4	SCFSI1G4	GENERAL REGISTER 4
24	(18)	SIGNED	4	SCFSI1G5	GENERAL REGISTER 5
28	(1C)	SIGNED	4	SCFSI1G6	GENERAL REGISTER 6
32	(20)	SIGNED	4	SCFSI1G7	GENERAL REGISTER 7
36	(24)	SIGNED	4	SCFSI1G8	GENERAL REGISTER 8
40	(28)	SIGNED	4	SCFSI1G9	GENERAL REGISTER 9
44	(2C)	SIGNED	4	SCFSI1GA	GENERAL REGISTER 10
48	(30)	SIGNED	4	SCFSI1GB	GENERAL REGISTER 11
52	(34)	SIGNED	4	SCFSI1GC	GENERAL REGISTER 12
56	(38)	SIGNED	4	SCFSI1GD	GENERAL REGISTER 13
60	(3C)	SIGNED	4	SCFSI1GE	GENERAL REGISTER 14
64	(40)	SIGNED	4	SCFSI1GF	GENERAL REGISTER 15
		I/O FLIH ACCESS REGISTER SAVEAREA 1			
68	(44)	BITSTRING	64	SCFSIAR1(0)	I/O FLIH ACCESS REGISTER SAVEAREA 1.

Table 1. Structure SCFS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
68	(44)	SIGNED	4	SCFSI1A0	ACCESS REGISTER 0
72	(48)	SIGNED	4	SCFSI1A1	ACCESS REGISTER 1
76	(4C)	SIGNED	4	SCFSI1A2	ACCESS REGISTER 2
80	(50)	SIGNED	4	SCFSI1A3	ACCESS REGISTER 3
84	(54)	SIGNED	4	SCFSI1A4	ACCESS REGISTER 4
88	(58)	SIGNED	4	SCFSI1A5	ACCESS REGISTER 5
92	(5C)	SIGNED	4	SCFSI1A6	ACCESS REGISTER 6
96	(60)	SIGNED	4	SCFSI1A7	ACCESS REGISTER 7
100	(64)	SIGNED	4	SCFSI1A8	ACCESS REGISTER 8
104	(68)	SIGNED	4	SCFSI1A9	ACCESS REGISTER 9
108	(6C)	SIGNED	4	SCFSI1AA	ACCESS REGISTER 10
112	(70)	SIGNED	4	SCFSI1AB	ACCESS REGISTER 11
116	(74)	SIGNED	4	SCFSI1AC	ACCESS REGISTER 12
120	(78)	SIGNED	4	SCFSI1AD	ACCESS REGISTER 13
124	(7C)	SIGNED	4	SCFSI1AE	ACCESS REGISTER 14
128	(80)	SIGNED	4	SCFSI1AF	ACCESS REGISTER 15
		I/O FLIH CONTROL REGISTER SAVEAREA 1			
132	(84)	BITSTRING	64	SCFSR084	WAS SCFSICR1
196	(C4)	BITSTRING	1	SCFSIOFL	I/O FLIH FLAGS
		1...		SCFSIOSA	"X'80'" SUBSPACE ACTIVE AT TIME OF INTERRUPT
197	(C5)	BITSTRING	1	SCFSR0C5	RESERVED
198	(C6)	SIGNED	2	SCFSXNTC	EXTERNAL FLIH INTERRUPT CODE SAVE AREA.
200	(C8)	BITSTRING	8	SCFSXPS1	External FLIH PSW Savearea 1. While we have the real copy in SCFSXPSW161, we still set this, as we need to "scrunch" for RBOPSW.
		EXTERNAL FLIH GENERAL REGISTER SAVEAREA 1			
208	(D0)	BITSTRING	64	SCFSXGR1(0)	EXTERNAL FLIH GENERAL REGISTER SAVEAREA 1.
208	(D0)	SIGNED	4	SCFSX1G0	GENERAL REGISTER 0
212	(D4)	SIGNED	4	SCFSX1G1	GENERAL REGISTER 1
216	(D8)	SIGNED	4	SCFSX1G2	GENERAL REGISTER 2
220	(DC)	SIGNED	4	SCFSX1G3	GENERAL REGISTER 3
224	(E0)	SIGNED	4	SCFSX1G4	GENERAL REGISTER 4
228	(E4)	SIGNED	4	SCFSX1G5	GENERAL REGISTER 5
232	(E8)	SIGNED	4	SCFSX1G6	GENERAL REGISTER 6
236	(EC)	SIGNED	4	SCFSX1G7	GENERAL REGISTER 7
240	(F0)	SIGNED	4	SCFSX1G8	GENERAL REGISTER 8
244	(F4)	SIGNED	4	SCFSX1G9	GENERAL REGISTER 9
248	(F8)	SIGNED	4	SCFSX1GA	GENERAL REGISTER 10
252	(FC)	SIGNED	4	SCFSX1GB	GENERAL REGISTER 11
256	(100)	SIGNED	4	SCFSX1GC	GENERAL REGISTER 12
260	(104)	SIGNED	4	SCFSX1GD	GENERAL REGISTER 13
264	(108)	SIGNED	4	SCFSX1GE	GENERAL REGISTER 14
268	(10C)	SIGNED	4	SCFSX1GF	GENERAL REGISTER 15
		EXTERNAL FLIH ACCESS REGISTER SAVEAREA 1			

Table 1. Structure SCFS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
272	(110)	BITSTRING	64	SCFSXAR1(0)	EXTERNAL FLIH ACCESS REGISTER SAVEAREA 1.
272	(110)	SIGNED	4	SCFSX1A0	ACCESS REGISTER 0
276	(114)	SIGNED	4	SCFSX1A1	ACCESS REGISTER 1
280	(118)	SIGNED	4	SCFSX1A2	ACCESS REGISTER 2
284	(11C)	SIGNED	4	SCFSX1A3	ACCESS REGISTER 3
288	(120)	SIGNED	4	SCFSX1A4	ACCESS REGISTER 4
292	(124)	SIGNED	4	SCFSX1A5	ACCESS REGISTER 5
296	(128)	SIGNED	4	SCFSX1A6	ACCESS REGISTER 6
300	(12C)	SIGNED	4	SCFSX1A7	ACCESS REGISTER 7
304	(130)	SIGNED	4	SCFSX1A8	ACCESS REGISTER 8
308	(134)	SIGNED	4	SCFSX1A9	ACCESS REGISTER 9
312	(138)	SIGNED	4	SCFSX1AA	ACCESS REGISTER 10
316	(13C)	SIGNED	4	SCFSX1AB	ACCESS REGISTER 11
320	(140)	SIGNED	4	SCFSX1AC	ACCESS REGISTER 12
324	(144)	SIGNED	4	SCFSX1AD	ACCESS REGISTER 13
328	(148)	SIGNED	4	SCFSX1AE	ACCESS REGISTER 14
332	(14C)	SIGNED	4	SCFSX1AF	ACCESS REGISTER 15
336	(150)	BITSTRING	1	SCFSR150(8)	RESERVED
344	(158)	BITSTRING	1	SCFSXRSA(72)	Register savearea for the External FLIH to use when calling services
EXTERNAL FLIH GENERAL REGISTER SAVEAREA 2					
416	(1A0)	BITSTRING	64	SCFSXGR2(0)	EXTERNAL FLIH GENERAL REGISTER SAVEAREA 2.
416	(1A0)	SIGNED	4	SCFSX2G0	GENERAL REGISTER 0
420	(1A4)	SIGNED	4	SCFSX2G1	GENERAL REGISTER 1
424	(1A8)	SIGNED	4	SCFSX2G2	GENERAL REGISTER 2
428	(1AC)	SIGNED	4	SCFSX2G3	GENERAL REGISTER 3
432	(1B0)	SIGNED	4	SCFSX2G4	GENERAL REGISTER 4
436	(1B4)	SIGNED	4	SCFSX2G5	GENERAL REGISTER 5
440	(1B8)	SIGNED	4	SCFSX2G6	GENERAL REGISTER 6
444	(1BC)	SIGNED	4	SCFSX2G7	GENERAL REGISTER 7
448	(1C0)	SIGNED	4	SCFSX2G8	GENERAL REGISTER 8
452	(1C4)	SIGNED	4	SCFSX2G9	GENERAL REGISTER 9
456	(1C8)	SIGNED	4	SCFSX2GA	GENERAL REGISTER 10
460	(1CC)	SIGNED	4	SCFSX2GB	GENERAL REGISTER 11
464	(1D0)	SIGNED	4	SCFSX2GC	GENERAL REGISTER 12
468	(1D4)	SIGNED	4	SCFSX2GD	GENERAL REGISTER 13
472	(1D8)	SIGNED	4	SCFSX2GE	GENERAL REGISTER 14
476	(1DC)	SIGNED	4	SCFSX2GF	GENERAL REGISTER 15
EXTERNAL FLIH ACCESS REGISTER SAVEAREA 2					
480	(1E0)	BITSTRING	64	SCFSXAR2(0)	EXTERNAL FLIH ACCESS REGISTER SAVEAREA 2.
480	(1E0)	SIGNED	4	SCFSX2A0	ACCESS REGISTER 0
484	(1E4)	SIGNED	4	SCFSX2A1	ACCESS REGISTER 1
488	(1E8)	SIGNED	4	SCFSX2A2	ACCESS REGISTER 2
492	(1EC)	SIGNED	4	SCFSX2A3	ACCESS REGISTER 3
496	(1F0)	SIGNED	4	SCFSX2A4	ACCESS REGISTER 4
500	(1F4)	SIGNED	4	SCFSX2A5	ACCESS REGISTER 5
504	(1F8)	SIGNED	4	SCFSX2A6	ACCESS REGISTER 6

Table 1. Structure SCFS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
508	(1FC)	SIGNED	4	SCFSX2A7	ACCESS REGISTER 7
512	(200)	SIGNED	4	SCFSX2A8	ACCESS REGISTER 8
516	(204)	SIGNED	4	SCFSX2A9	ACCESS REGISTER 9
520	(208)	SIGNED	4	SCFSX2AA	ACCESS REGISTER 10
524	(20C)	SIGNED	4	SCFSX2AB	ACCESS REGISTER 11
528	(210)	SIGNED	4	SCFSX2AC	ACCESS REGISTER 12
532	(214)	SIGNED	4	SCFSX2AD	ACCESS REGISTER 13
536	(218)	SIGNED	4	SCFSX2AE	ACCESS REGISTER 14
540	(21C)	SIGNED	4	SCFSX2AF	ACCESS REGISTER 15
544	(220)	BITSTRING	48	SCFSR220	RESERVED
592	(250)	BITSTRING	16	SCFSXPSW161	EXTERNAL FLIH 16-BYTE PSW SAVEAREA 1.
608	(260)	BITSTRING	16	SCFSXPSW162	EXTERNAL FLIH 16-BYTE PSW SAVEAREA 2.
	EXTERNAL FLIH GENERAL REGISTER SAVEAREA 3				
624	(270)	BITSTRING	64	SCFSXGR3(0)	EXTERNAL FLIH GENERAL REGISTER SAVEAREA 3.
624	(270)	SIGNED	4	SCFSX3G0	GENERAL REGISTER 0
628	(274)	SIGNED	4	SCFSX3G1	GENERAL REGISTER 1
632	(278)	SIGNED	4	SCFSX3G2	GENERAL REGISTER 2
636	(27C)	SIGNED	4	SCFSX3G3	GENERAL REGISTER 3
640	(280)	SIGNED	4	SCFSX3G4	GENERAL REGISTER 4
644	(284)	SIGNED	4	SCFSX3G5	GENERAL REGISTER 5
648	(288)	SIGNED	4	SCFSX3G6	GENERAL REGISTER 6
652	(28C)	SIGNED	4	SCFSX3G7	GENERAL REGISTER 7
656	(290)	SIGNED	4	SCFSX3G8	GENERAL REGISTER 8
660	(294)	SIGNED	4	SCFSX3G9	GENERAL REGISTER 9
664	(298)	SIGNED	4	SCFSX3GA	GENERAL REGISTER 10
668	(29C)	SIGNED	4	SCFSX3GB	GENERAL REGISTER 11
672	(2A0)	SIGNED	4	SCFSX3GC	GENERAL REGISTER 12
676	(2A4)	SIGNED	4	SCFSX3GD	GENERAL REGISTER 13
680	(2A8)	SIGNED	4	SCFSX3GE	GENERAL REGISTER 14
684	(2AC)	SIGNED	4	SCFSX3GF	GENERAL REGISTER 15
	EXTERNAL FLIH ACCESS REGISTER SAVEAREA 3				
688	(2B0)	BITSTRING	64	SCFSXAR3(0)	EXTERNAL FLIH ACCESS REGISTER SAVEAREA 3.
688	(2B0)	SIGNED	4	SCFSX3A0	ACCESS REGISTER 0
692	(2B4)	SIGNED	4	SCFSX3A1	ACCESS REGISTER 1
696	(2B8)	SIGNED	4	SCFSX3A2	ACCESS REGISTER 2
700	(2BC)	SIGNED	4	SCFSX3A3	ACCESS REGISTER 3
704	(2C0)	SIGNED	4	SCFSX3A4	ACCESS REGISTER 4
708	(2C4)	SIGNED	4	SCFSX3A5	ACCESS REGISTER 5
712	(2C8)	SIGNED	4	SCFSX3A6	ACCESS REGISTER 6
716	(2CC)	SIGNED	4	SCFSX3A7	ACCESS REGISTER 7
720	(2D0)	SIGNED	4	SCFSX3A8	ACCESS REGISTER 8
724	(2D4)	SIGNED	4	SCFSX3A9	ACCESS REGISTER 9
728	(2D8)	SIGNED	4	SCFSX3AA	ACCESS REGISTER 10
732	(2DC)	SIGNED	4	SCFSX3AB	ACCESS REGISTER 11
736	(2E0)	SIGNED	4	SCFSX3AC	ACCESS REGISTER 12
740	(2E4)	SIGNED	4	SCFSX3AD	ACCESS REGISTER 13
744	(2E8)	SIGNED	4	SCFSX3AE	ACCESS REGISTER 14

Table 1. Structure SCFS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
748	(2EC)	SIGNED	4	SCFSX3AF	ACCESS REGISTER 15
752	(2F0)	SIGNED	4	SCFSR2F0	RESERVED-XMEM REGS MUST BE ON DWORD BDY
	EXTERNAL FLIH CONTROL REGISTER SAVEAREA 3				
756	(2F4)	BITSTRING	64	SCFSR2F4	RESERVED. WAS SCFSXCR3
820	(334)	SIGNED	4	SCFSR334	RESERVED.
824	(338)	BITSTRING	1	SCFSI641(64)	I/O FLIH GPR BITS 0-31 SAVEAREA 1
888	(378)	BITSTRING	1	SCFSX641(64)	EXTERNAL FLIH GPR BITS 0-31 SAVEAREA 1
952	(3B8)	DBL WORD	8	(0)	
952	(3B8)	BITSTRING	128	SCFSXCR1(0)	EXTERNAL FLIH CR SAVEAREA 1
952	(3B8)	DBL WORD	8	SCFSX1C0	CONTROL REGISTER 0
960	(3C0)	DBL WORD	8	SCFSX1C1	CONTROL REGISTER 1
968	(3C8)	DBL WORD	8	SCFSX1C2	CONTROL REGISTER 2
976	(3D0)	CHARACTER	16	SCFSXXM1(0)	CROSS MEMORY CONTROL REGISTER SAVEAREA1
976	(3D0)	DBL WORD	8	SCFSX1C3(0)	CONTROL REGISTER 3
976	(3D0)	SIGNED	4	SCFSX1SINS	SASTE IN
980	(3D4)	SIGNED	2	SCFSX1PK	PROGRAM KEY MASK
982	(3D6)	SIGNED	2	SCFSX1SS	SASN
984	(3D8)	DBL WORD	8	SCFSX1C4(0)	CONTROL REGISTER 4
984	(3D8)	SIGNED	4	SCFSX1PINS	PASTE IN
988	(3DC)	SIGNED	2	SCFSX1AX	AX
990	(3DE)	SIGNED	2	SCFSX1PS	PASN
992	(3E0)	DBL WORD	8	SCFSX1C5	CONTROL REGISTER 5
1000	(3E8)	DBL WORD	8	SCFSX1C6	CONTROL REGISTER 6
1008	(3F0)	DBL WORD	8	SCFSX1C7	CONTROL REGISTER 7
1016	(3F8)	DBL WORD	8	SCFSX1C8(0)	CONTROL REGISTER 8
1016	(3F8)	SIGNED	4		
1020	(3FC)	SIGNED	2	SCFS1EAX	EAX VALUE
1022	(3FE)	SIGNED	2		
1024	(400)	DBL WORD	8	SCFSX1C9	CONTROL REGISTER 9
1032	(408)	DBL WORD	8	SCFSX1CA	CONTROL REGISTER 10
1040	(410)	DBL WORD	8	SCFSX1CB	CONTROL REGISTER 11
1048	(418)	DBL WORD	8	SCFSX1CC	CONTROL REGISTER 12
1056	(420)	DBL WORD	8	SCFSX1CD	CONTROL REGISTER 13
1064	(428)	DBL WORD	8	SCFSX1CE	CONTROL REGISTER 14
1072	(430)	DBL WORD	8	SCFSX1CF(0)	CONTROL REGISTER 15
1072	(430)	SIGNED	4	SCFSX1CFH	CONTROL REGISTER 15 HIGH HALF
1076	(434)	SIGNED	4	SCFSX1CFL	CONTROL REGISTER 15 LOW HALF
1080	(438)	BITSTRING	1	SCFSX642(64)	EXTERNAL FLIH GPR BITS 0-31 SAVEAREA 2
1144	(478)	BITSTRING	1	SCFSX643(64)	EXTERNAL FLIH GPR BITS 0-31 SAVEAREA 3
1208	(4B8)	DBL WORD	8	(0)	
1208	(4B8)	BITSTRING	128	SCFSICR1(0)	I/O FLIH CONTROL REGISTER SAVEAREA 1.
1208	(4B8)	DBL WORD	8	SCFSI1C0	CONTROL REGISTER 0
1216	(4C0)	DBL WORD	8	SCFSI1C1	CONTROL REGISTER 1
1224	(4C8)	DBL WORD	8	SCFSI1C2(0)	CONTROL REGISTER 2
1224	(4C8)	SIGNED	4	SCFSI1C2H	CONTROL REGISTER 2 HIGH HALF

Table 1. Structure SCFS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1228	(4CC)	SIGNED	4	SCFSI1C2L	CONTROL REGISTER 2 LOW HALF
1232	(4D0)	CHARACTER	16	SCFSIXM1(0)	CROSS MEMORY CONTROL REGISTER SAVEAREA
1232	(4D0)	DBL WORD	8	SCFSI1C3(0)	CONTROL REGISTER 3
1232	(4D0)	SIGNED	4	SCFSISSN	SASTE INSTANCE NUMBER
1236	(4D4)	SIGNED	2	SCFSIO1K	PROGRAM KEY MASK
1238	(4D6)	SIGNED	2	SCFSIO1S	SASN
1240	(4D8)	DBL WORD	8	SCFSI1C4(0)	CONTROL REGISTER 4
1240	(4D8)	SIGNED	4	SCFSIPSN	PASTE INSTANCE NUMBER
1244	(4DC)	SIGNED	2	SCFSIO1A	AX
1246	(4DE)	SIGNED	2	SCFSIO1P	PASN
1248	(4E0)	DBL WORD	8	SCFSI1C5	CONTROL REGISTER 5
1256	(4E8)	DBL WORD	8	SCFSI1C6	CONTROL REGISTER 6
1264	(4F0)	DBL WORD	8	SCFSI1C7	CONTROL REGISTER 7
1272	(4F8)	DBL WORD	8	SCFSI1C8(0)	CONTROL REGISTER 8
1272	(4F8)	SIGNED	4		
1276	(4FC)	SIGNED	2	SCFSIEAX	EAX VALUE
1278	(4FE)	SIGNED	2		
1280	(500)	DBL WORD	8	SCFSI1C9	CONTROL REGISTER 9
1288	(508)	DBL WORD	8	SCFSI1CA	CONTROL REGISTER 10
1296	(510)	DBL WORD	8	SCFSI1CB	CONTROL REGISTER 11
1304	(518)	DBL WORD	8	SCFSI1CC	CONTROL REGISTER 12
1312	(520)	DBL WORD	8	SCFSI1CD	CONTROL REGISTER 13
1320	(528)	DBL WORD	8	SCFSI1CE	CONTROL REGISTER 14
1328	(530)	DBL WORD	8	SCFSI1CF(0)	CONTROL REGISTER 15
1328	(530)	SIGNED	4	SCFSI1CFH	CONTROL REGISTER 15 HIGH HALF
1332	(534)	SIGNED	4	SCFSI1CFL	CONTROL REGISTER 15 LOW HALF
1336	(538)	DBL WORD	8	(0)	
1336	(538)	BITSTRING	128	SCFSXCR2(0)	EXT FLIH CONTROL REGISTER SAVEAREA 2.
1336	(538)	DBL WORD	8	SCFSX2C0	CONTROL REGISTER 0
1344	(540)	DBL WORD	8	SCFSX2C1	CONTROL REGISTER 1
1352	(548)	DBL WORD	8	SCFSX2C2	CONTROL REGISTER 2
1360	(550)	CHARACTER	16	SCFSXXM2(0)	CROSS MEMORY CONTROL REGISTER SAVEAREA2
1360	(550)	DBL WORD	8	SCFSX2C3(0)	CONTROL REGISTER 3
1360	(550)	SIGNED	4		SASTE INSTANCE NUMBER
1364	(554)	SIGNED	2	SCFSX2PK	PROGRAM KEY MASK
1366	(556)	SIGNED	2	SCFSX2SS	SASN
1368	(558)	DBL WORD	8	SCFSX2C4(0)	CONTROL REGISTER 4
1368	(558)	SIGNED	4		PASTE INSTANCE NUMBER
1372	(55C)	SIGNED	2	SCFSX2AX	AX
1374	(55E)	SIGNED	2	SCFSX2PS	PASN
1376	(560)	DBL WORD	8	SCFSX2C5	CONTROL REGISTER 5
1384	(568)	DBL WORD	8	SCFSX2C6	CONTROL REGISTER 6
1392	(570)	DBL WORD	8	SCFSX2C7	CONTROL REGISTER 7
1400	(578)	DBL WORD	8	SCFSX2C8(0)	CONTROL REGISTER 8
1400	(578)	SIGNED	4		
1404	(57C)	SIGNED	2	SCFS2EAX	EAX VALUE
1406	(57E)	SIGNED	2		
1408	(580)	DBL WORD	8	SCFSX2C9	CONTROL REGISTER 9
1416	(588)	DBL WORD	8	SCFSX2CA	CONTROL REGISTER 10

Table 1. Structure SCFS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1424	(590)	DBL WORD	8	SCFSX2CB	CONTROL REGISTER 11
1432	(598)	DBL WORD	8	SCFSX2CC	CONTROL REGISTER 12
1440	(5A0)	DBL WORD	8	SCFSX2CD	CONTROL REGISTER 13
1448	(5A8)	DBL WORD	8	SCFSX2CE	CONTROL REGISTER 14
1456	(5B0)	DBL WORD	8	SCFSX2CF	CONTROL REGISTER 15
1464	(5B8)	DBL WORD	8	(0)	
1464	(5B8)	BITSTRING	128	SCFSXCR3(0)	EXT FLIH CONTROL REGISTER SAVEAREA 3.
1464	(5B8)	DBL WORD	8	SCFSX3C0	CONTROL REGISTER 0
1472	(5C0)	DBL WORD	8	SCFSX3C1	CONTROL REGISTER 1
1480	(5C8)	DBL WORD	8	SCFSX3C2	CONTROL REGISTER 2
1488	(5D0)	CHARACTER	16	SCFSXXM3(0)	CROSS MEMORY CONTROL REGISTER SAVEAREA3
1488	(5D0)	DBL WORD	8	SCFSX3C3(0)	CONTROL REGISTER 3
1488	(5D0)	SIGNED	4	SCFSX3SI	PASTE INSTANCE NUMBER
1492	(5D4)	SIGNED	2	SCFSX3PK	PROGRAM KEY MASK
1494	(5D6)	SIGNED	2	SCFSX3SS	SASN
1496	(5D8)	DBL WORD	8	SCFSX3C4(0)	CONTROL REGISTER 4
1496	(5D8)	SIGNED	4	SCFSX3PI	SASTE INSTANCE NUMBER
1500	(5DC)	SIGNED	2	SCFSX3AX	AX
1502	(5DE)	SIGNED	2	SCFSX3PS	PASN
1504	(5E0)	DBL WORD	8	SCFSX3C5	CONTROL REGISTER 5
1512	(5E8)	DBL WORD	8	SCFSX3C6	CONTROL REGISTER 6
1520	(5F0)	DBL WORD	8	SCFSX3C7	CONTROL REGISTER 7
1528	(5F8)	DBL WORD	8	SCFSX3C8(0)	CONTROL REGISTER 8
1528	(5F8)	SIGNED	4		
1532	(5FC)	SIGNED	2	SCFS3EAX	EAX VALUE
1534	(5FE)	SIGNED	2		
1536	(600)	DBL WORD	8	SCFSX3C9	CONTROL REGISTER 9
1544	(608)	DBL WORD	8	SCFSX3CA	CONTROL REGISTER 10
1552	(610)	DBL WORD	8	SCFSX3CB	CONTROL REGISTER 11
1560	(618)	DBL WORD	8	SCFSX3CC	CONTROL REGISTER 12
1568	(620)	DBL WORD	8	SCFSX3CD	CONTROL REGISTER 13
1576	(628)	DBL WORD	8	SCFSX3CE	CONTROL REGISTER 14
1584	(630)	DBL WORD	8	SCFSX3CF	CONTROL REGISTER 15
1592	(638)	BITSTRING	1	SCFS_DIAG838(0)	IHAZONEO
2104	(838)	DBL WORD	8	SCFSEND(0)	END OF SCFS.

Table 2. Cross Reference for SCFS

Name	Offset	Hex Tag
SCFS	0	
SCFS_DIAG838	638	0
SCFSEND	838	
SCFSIAR1	44	
SCFSICR1	4B8	
SCFSIEAX	4FC	0
SCFSIGR1	4	
SCFSIOFL	C4	0
SCFSIOSA	C4	80
SCFSIO1A	4DC	0

Table 2. Cross Reference for SCFS (continued)

Name	Offset	Hex Tag
SCFSIO1K	4D4	0
SCFSIO1P	4DE	0
SCFSIO1S	4D6	0
SCFSIPSN	4D8	0
SCFSISSN	4D0	0
SCFSIXM1	4D0	
SCFSI1AA	6C	0
SCFSI1AB	70	0
SCFSI1AC	74	0
SCFSI1AD	78	0
SCFSI1AE	7C	0
SCFSI1AF	80	0
SCFSI1A0	44	0
SCFSI1A1	48	0
SCFSI1A2	4C	0
SCFSI1A3	50	0
SCFSI1A4	54	0
SCFSI1A5	58	0
SCFSI1A6	5C	0
SCFSI1A7	60	0
SCFSI1A8	64	0
SCFSI1A9	68	0
SCFSI1CA	508	0
SCFSI1CB	510	0
SCFSI1CC	518	0
SCFSI1CD	520	0
SCFSI1CE	528	0
SCFSI1CF	530	
SCFSI1CFH	530	0
SCFSI1CFL	534	0
SCFSI1C0	4B8	0
SCFSI1C1	4C0	0
SCFSI1C2	4C8	
SCFSI1C2H	4C8	0
SCFSI1C2L	4CC	0
SCFSI1C3	4D0	
SCFSI1C4	4D8	
SCFSI1C5	4E0	0
SCFSI1C6	4E8	0
SCFSI1C7	4F0	0
SCFSI1C8	4F8	
SCFSI1C9	500	0
SCFSI1GA	2C	0
SCFSI1GB	30	0
SCFSI1GC	34	0
SCFSI1GD	38	0
SCFSI1GE	3C	0
SCFSI1GF	40	0
SCFSI1G0	4	0

Table 2. Cross Reference for SCFS (continued)

Name	Offset	Hex Tag
SCFSI1G1	8	0
SCFSI1G2	C	0
SCFSI1G3	10	0
SCFSI1G4	14	0
SCFSI1G5	18	0
SCFSI1G6	1C	0
SCFSI1G7	20	0
SCFSI1G8	24	0
SCFSI1G9	28	0
SCFSI641	338	0
SCFSR0C5	C5	0
SCFSR084	84	
SCFSR150	150	0
SCFSR2F0	2F0	0
SCFSR2F4	2F4	
SCFSR220	220	0
SCFSR334	334	0
SCFSSCFS	0	E2C3C6E2
SCFSXAR1	110	
SCFSXAR2	1E0	
SCFSXAR3	2B0	
SCFSXCR1	3B8	
SCFSXCR2	538	
SCFSXCR3	5B8	
SCFSXGR1	D0	
SCFSXGR2	1A0	
SCFSXGR3	270	
SCFSXNTC	C6	0
SCFSXPSW161	250	0
SCFSXPSW162	260	0
SCFSXPS1	C8	0
SCFSXRSA	158	0
SCFSXXM1	3D0	
SCFSXXM2	550	
SCFSXXM3	5D0	
SCFSX1AA	138	0
SCFSX1AB	13C	0
SCFSX1AC	140	0
SCFSX1AD	144	0
SCFSX1AE	148	0
SCFSX1AF	14C	0
SCFSX1AX	3DC	0
SCFSX1A0	110	0
SCFSX1A1	114	0
SCFSX1A2	118	0
SCFSX1A3	11C	0
SCFSX1A4	120	0
SCFSX1A5	124	0
SCFSX1A6	128	0

Table 2. Cross Reference for SCFS (continued)

Name	Offset	Hex Tag
SCFSX1A7	12C	0
SCFSX1A8	130	0
SCFSX1A9	134	0
SCFSX1CA	408	0
SCFSX1CB	410	0
SCFSX1CC	418	0
SCFSX1CD	420	0
SCFSX1CE	428	0
SCFSX1CF	430	
SCFSX1CFH	430	0
SCFSX1CFL	434	0
SCFSX1C0	3B8	0
SCFSX1C1	3C0	0
SCFSX1C2	3C8	0
SCFSX1C3	3D0	
SCFSX1C4	3D8	
SCFSX1C5	3E0	0
SCFSX1C6	3E8	0
SCFSX1C7	3F0	0
SCFSX1C8	3F8	
SCFSX1C9	400	0
SCFSX1GA	F8	0
SCFSX1GB	FC	0
SCFSX1GC	100	0
SCFSX1GD	104	0
SCFSX1GE	108	0
SCFSX1GF	10C	0
SCFSX1G0	D0	0
SCFSX1G1	D4	0
SCFSX1G2	D8	0
SCFSX1G3	DC	0
SCFSX1G4	E0	0
SCFSX1G5	E4	0
SCFSX1G6	E8	0
SCFSX1G7	EC	0
SCFSX1G8	F0	0
SCFSX1G9	F4	0
SCFSX1PINS	3D8	0
SCFSX1PK	3D4	0
SCFSX1PS	3DE	0
SCFSX1SINS	3D0	0
SCFSX1SS	3D6	0
SCFSX2AA	208	0
SCFSX2AB	20C	0
SCFSX2AC	210	0
SCFSX2AD	214	0
SCFSX2AE	218	0
SCFSX2AF	21C	0
SCFSX2AX	55C	0

Table 2. Cross Reference for SCFS (continued)

Name	Offset	Hex Tag
SCFSX2A0	1E0	0
SCFSX2A1	1E4	0
SCFSX2A2	1E8	0
SCFSX2A3	1EC	0
SCFSX2A4	1F0	0
SCFSX2A5	1F4	0
SCFSX2A6	1F8	0
SCFSX2A7	1FC	0
SCFSX2A8	200	0
SCFSX2A9	204	0
SCFSX2CA	588	0
SCFSX2CB	590	0
SCFSX2CC	598	0
SCFSX2CD	5A0	0
SCFSX2CE	5A8	0
SCFSX2CF	5B0	0
SCFSX2C0	538	0
SCFSX2C1	540	0
SCFSX2C2	548	0
SCFSX2C3	550	
SCFSX2C4	558	
SCFSX2C5	560	0
SCFSX2C6	568	0
SCFSX2C7	570	0
SCFSX2C8	578	
SCFSX2C9	580	0
SCFSX2GA	1C8	0
SCFSX2GB	1CC	0
SCFSX2GC	1D0	0
SCFSX2GD	1D4	0
SCFSX2GE	1D8	0
SCFSX2GF	1DC	0
SCFSX2G0	1A0	0
SCFSX2G1	1A4	0
SCFSX2G2	1A8	0
SCFSX2G3	1AC	0
SCFSX2G4	1B0	0
SCFSX2G5	1B4	0
SCFSX2G6	1B8	0
SCFSX2G7	1BC	0
SCFSX2G8	1C0	0
SCFSX2G9	1C4	0
SCFSX2PK	554	0
SCFSX2PS	55E	0
SCFSX2SS	556	0
SCFSX3AA	2D8	0
SCFSX3AB	2DC	0
SCFSX3AC	2E0	0
SCFSX3AD	2E4	0

Table 2. Cross Reference for SCFS (continued)

Name	Offset	Hex Tag
SCFSX3AE	2E8	0
SCFSX3AF	2EC	0
SCFSX3AX	5DC	0
SCFSX3A0	2B0	0
SCFSX3A1	2B4	0
SCFSX3A2	2B8	0
SCFSX3A3	2BC	0
SCFSX3A4	2C0	0
SCFSX3A5	2C4	0
SCFSX3A6	2C8	0
SCFSX3A7	2CC	0
SCFSX3A8	2D0	0
SCFSX3A9	2D4	0
SCFSX3CA	608	0
SCFSX3CB	610	0
SCFSX3CC	618	0
SCFSX3CD	620	0
SCFSX3CE	628	0
SCFSX3CF	630	0
SCFSX3C0	5B8	0
SCFSX3C1	5C0	0
SCFSX3C2	5C8	0
SCFSX3C3	5D0	
SCFSX3C4	5D8	
SCFSX3C5	5E0	0
SCFSX3C6	5E8	0
SCFSX3C7	5F0	0
SCFSX3C8	5F8	
SCFSX3C9	600	0
SCFSX3GA	298	0
SCFSX3GB	29C	0
SCFSX3GC	2A0	0
SCFSX3GD	2A4	0
SCFSX3GE	2A8	0
SCFSX3GF	2AC	0
SCFSX3G0	270	0
SCFSX3G1	274	0
SCFSX3G2	278	0
SCFSX3G3	27C	0
SCFSX3G4	280	0
SCFSX3G5	284	0
SCFSX3G6	288	0
SCFSX3G7	28C	0
SCFSX3G8	290	0
SCFSX3G9	294	0
SCFSX3PI	5D8	0
SCFSX3PK	5D4	0
SCFSX3PS	5DE	0
SCFSX3SI	5D0	0

Table 2. Cross Reference for SCFS (continued)

Name	Offset	Hex Tag
SCFSX3SS	5D6	0
SCFSX641	378	0
SCFSX642	438	0
SCFSX643	478	0
SCFS1EAX	3FC	0
SCFS2EAX	57C	0
SCFS3EAX	5FC	0

SCFS mapping

Chapter 2. SCHIB Information

SCHIB Heading Information

Common Name:	Subchannel Information Block
Macro ID:	IHASCHIB
DSECT Name:	SCHIB
Owning Component:	I/O Supervisor (SC1C3)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User Key: 0 Data Space: No Residency: : 31 bit
Size:	52-bytes
Created by:	Issuers of Store Subchannel and Modify Subchannel instructions.
Pointed to by:	Register 1 on the issuance of the Store Subchannl or Modify Subchannel instructions
Serialization:	UCB Lock
Function:	The SCHIB is an operand of the Store Subchannel (STSCH) and the Modify Subchannel (MSCH) instructions. It contains control information for path management and subchannel status.

SCHIB mapping

Table 3. Structure SCHIB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	52	SCHIB	
0	(0)	CHARACTER	28	SCHPMCW	Path Management Control Word
0	(0)	BITSTRING	4	SCHIP	Interrupt parameter
0	(0)	SIGNED	4	SCHIPA	Interrupt parameter
0	(0)	ADDRESS	4	SCHIPP	Interrupt parameter
4	(4)	BITSTRING	1	SCHFLG1	Flags
		11..		*	o Reserved bits: See Declares
		..11 1...		SCHISC	o Interrupt Subclass
		.... .1..		SCHB	o I/O Initiation Control
		11		*	o Reserved bits: See Declares
5	(5)	BITSTRING	1	SCHFLG2	Flags
		1...		SCHE	o Enable
		.11.		SCHLM	o Limit mode
		...1 1...		SCHMM	o Measurement Mode
		...1		SCHMCMB	o Measurements to be stored in channel measurement block
		.... 1...		SCHMDCTI	o DCTI to be stored in ESW
		.... .1..		SCHD	o Dynamic pathing device
		.... ..1.		SCHT	o Timing facility available
		1		SCHV	o Device number valid
6	(6)	UNSIGNED	2	SCHDEVNO	Device number
8	(8)	BITSTRING	1	SCHLPM	Logical path mask

Table 3. Structure SCHIB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
9	(9)	BITSTRING	1	SCHPNOM	Path not operational mask
10	(A)	BITSTRING	1	SCHLPUM	Last path used mask
11	(B)	BITSTRING	1	SCHPIM	Path installed mask
12	(C)	UNSIGNED	2	SCHMBI	Measurement block index
14	(E)	BITSTRING	1	SCHPOM	Path operational mask
15	(F)	BITSTRING	1	SCHPAM	Path available mask
16	(10)	UNSIGNED	1	SCHCHPID(8)	Channel path ID's
24	(18)	CHARACTER	3	*	Reserved
24	(18)	BITSTRING	1	*	Reserved
25	(19)	111.		SCHST	Subchannel type
25	(19)	BITSTRING	1	*	Reserved
27	(1B)	BITSTRING	1	SCHFLG6	Flags
		1111 1...		*	Reserved
		.... .1..		SCHF	Measurement block format control
		.... ..1.		SCHX	Extended Measurement Word (EMW) mode enable
		1		SCHCSF	Concurrent Sense Facility
28	(1C)	CHARACTER	12	SCHSCSW	Subchannel status word (SCSW). Mapped by the first 12 bytes of of the (IHAIRB)
40	(28)	CHARACTER	12	SCHMDATA	Model dependent data
40	(28)	CHARACTER	8	SCHCMBAD	Absolute storage address of Channel Measurement Block (when SCHF is set)
48	(30)	CHARACTER	4	*	Reserved

Table 4. Constants for SCHIB

Len	Type	Value	Name	Description
SCHLM field declares				
0	BIT	00	SCHLNONE	No limit checking.
0	BIT	10	SCHLLT	Data address must be < limit
0	BIT	01	SCHLGTE	Data address must be >= limit
SCHST field declares				
0	BIT	000	SCHIO	I/O subchannel
0	BIT	001	SCHST1	Subchannel type 1
0	BIT	010	SCHST2	Subchannel type 2
0	BIT	011	SCHST3	Subchannel type 3

Table 5. Cross Reference for SCHIB

Name	Offset	Hex Tag
SCHB	4	04
SCHCHPID	10	
SCHCMBAD	28	
SCHCSF	1B	01
SCHD	5	04
SCHDEVNO	6	
SCHE	5	80
SCHF	1B	04

Table 5. Cross Reference for SCHIB (continued)

Name	Offset	Hex Tag
SCHFLG1	4	
SCHFLG2	5	
SCHFLG6	1B	
SCHIB	0	
SCHIP	0	
SCHIPA	0	
SCHIPP	0	
SCHISC	4	38
SCHLM	5	60
SCHLPM	8	
SCHLPUM	A	
SCHMBI	C	
SCHMCMB	5	10
SCHMDATA	28	
SCHMDCTI	5	08
SCHMM	5	18
SCHPAM	F	
SCHPIM	B	
SCHPMCW	0	
SCHPNOM	9	
SCHPOM	E	
SCHSCSW	1C	
SCHST	19	E0
SCHT	5	02
SCHV	5	01
SCHX	1B	02

Chapter 3. SCL Information

SCL Heading Information

Common Name: Scan Parameter List
Macro ID: IEEZB815
DSECT Name: SCLPARM
Owning Component: System Command (SC1B8)
Eye-Catcher ID: SCL
Offset: 0
Length: 4
Storage Attributes: Subpool: Caller's subpool
Key: Caller's key
Size: 92 bytes
Created by: Callers of Generalized Parser (IEEMB887)
Pointed to by: N/A
Serialization: None
Function: The parameter list to IEEMB887 provides the basic information to perform a parse of the specified input.

SCL mapping

Table 6. Structure SCLPARM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	92	SCLPARM	PARSE PARM LIST
0	(0)	CHARACTER	4	SCLACRO	ACRONYM - SHOULD EQUAL 'SCL '
4	(4)	UNSIGNED	1	SCLVERSN	VERSION LEVEL
5	(5)	CHARACTER	3	SCLRESV1	RESERVED
8	(8)	ADDRESS	4	SCLCHAR	PTR TO STRING TO PARSE
12	(C)	ADDRESS	4	SCLDSC	PTR TO FIRST PARSE DESC.
16	(10)	ADDRESS	4	SCLIORTN	ADDR OF USER I/O EXIT ROUTINE
20	(14)	ADDRESS	4	SCLIOPAD	ADDR OF PARM FOR I/O ROUTINE
24	(18)	ADDRESS	4	SCLCURNT	ADDR OF CURRENT PARSE DESC.
28	(1C)	UNSIGNED	2	SCLINLN	INPUT RECORD LENGTH
30	(1E)	UNSIGNED	2	SCLSTRLN	PASSBACK LENGTH
32	(20)	BITSTRING	1	SCLFLG1	FLAG BYTE
		1...		SCLCONTC	CONTINUATION CHAR. CHECK
		.1..		SCLNOCT	NO CONTINUATION ALLOWED
		..1.		SCLCOMNT	COMMENTS ALLOWED
		...1		SCLNOSUC	AFTER CALL TO ROUT PROCESS ALTERNATE PARSE DESC. NEXT
		.... 1...		SCLSECS	AFTER CALL TO ROUT PROC. SEC. SUCCESSOR PARSE DESC. NEXT
		.... .1..		SCLNORT	DO NOT CALL ROUT EXIT ROUTINE UNLESS 'CALLRT=YES' IS GIVEN
		.... ..1.		SCLMULTR	ALLOW MULTIPLE RECORD SCANS
		1		*	RESERVED
33	(21)	UNSIGNED	1	SCLFLG2	RESERVED
34	(22)	UNSIGNED	1	SCLFLG3	RESERVED

Table 6. Structure SCLPARM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
35	(23)	UNSIGNED	1	SCLUFUNC	FUNCTION BYTE - HAS CONTENTS OF ADDRESS THAT TRT INSTR. STOPPED AT DURING TRT SCAN
36	(24)	ADDRESS	4	SCLUTAB	ADDR OF USER PROCESSING TABLE
40	(28)	SIGNED	2	SCLUINDX	INDEX WITHIN PROCESSING TABLE
42	(2A)	SIGNED	2	SCLRESV2	RESERVED
44	(2C)	ADDRESS	4	SCLUSER	USER-DEFINED WORK AREA
48	(30)	SIGNED	4	SCLDATA	USER'S DATA FOR THE ROUT
52	(34)	ADDRESS	4	SCLMBUFP	ADDR. OF MULTIPLE RECORD BUFFER
56	(38)	UNSIGNED	2	SCLMBUFL	LENGTH OF MULTIPLE RECORD BUFFER
58	(3A)	SIGNED	2	SCLFLG5	RESERVED
60	(3C)	ADDRESS	4	SCLMBUFU	ADDR. OF FIRST UNUSED BYTE OF MULT. REC. BUFFER
64	(40)	SIGNED	4	SCLRET	RETURN CODE
68	(44)	SIGNED	4	SCLRSN	REASON CODE
72	(48)	CHARACTER	4	SCLRSVD1	RESERVED
76	(4C)	CHARACTER	4	SCLRSVD2	RESERVED
80	(50)	CHARACTER	4	SCLRSVD3	RESERVED
84	(54)	CHARACTER	4	SCLRSVD4	RESERVED
88	(58)	CHARACTER	4	SCLRSVD5	RESERVED

Table 7. Structure DSCPARSE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	DSCPARSE	PARSE MAPPING
0	(0)	ADDRESS	4	DSCALTAD	ADDR OF ALT PARSE DESC.
4	(4)	ADDRESS	4	DSCSUCAD	ADDR OF SUCC PARSE DESC.
8	(8)	ADDRESS	4	DSCSSAD	ADDR OF SEC. SUCC PARSE DESC.
12	(C)	ADDRESS	4	DSCRTAD	ADDR OF ROUT EXIT ROUTINE
16	(10)	SIGNED	4	DSCDATA	USER'S DATA FOR THE ROUT
20	(14)	CHARACTER	12	DSCRSVD	RESERVED
32	(20)	ADDRESS	4	DSCTRTAD	ADDR OF USER'S TRT TABLE
36	(24)	ADDRESS	4	DSCUTAB	ADDR OF USER PROCESSING TABLE
40	(28)	SIGNED	2	DSCUINDX	INDEX WITHIN PROCESSING TABLE
42	(2A)	BITSTRING	1	DSCFLG1	FLAG BYTE
		1...		DSCALPHA	ALPHA DATA EXPECTED
		.1..		DSCNUMER	NUMERIC DATA EXPECTED
		..1.		DSCHEX	HEX DATA EXPECTED
		...1		DSC1A	FIRST CHAR CAN ONLY BE ALPHA
		.... 1...		DSC1A@	FIRST CHAR ALPHA/NATIONAL
		.... .111		*	RESERVED
43	(2B)	BITSTRING	1	DSCFLG2	FLAG BYTE
		1...		DSCBLANK	DONT SKIP OVER BLANKS
		.1..		DSCIOYES	CALL I/O EXIT TO READ
		..1.		DSCCOMMA	DONT SKIP OVER COMMAS
		...1		DSCCALRT	ALWAYS CALL ROUT IF IT EXISTS
		.... 1...		DSCNOSCN	DO 'ROUT ONLY' PROCESSING
		.... .111		*	RESERVED
44	(2C)	UNSIGNED	2	DSCMAXLN	MAXIMUM VARIABLE LENGTH
46	(2E)	UNSIGNED	2	DSCMINLN	MINIMUM VARIABLE LENGTH
48	(30)	UNSIGNED	1	DSCKEYLN	'KEY' STRING LENGTH

Table 7. Structure DSCPARSE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
49	(31)	UNSIGNED	1	DSCABBLN	MINIMUM ACCEPTABLE LENGTH FOR KEYWORD ABBREVIATION
50	(32)	UNSIGNED	1	DSCALSLN	'ALSO' STRING LENGTH
51	(33)	UNSIGNED	1	DSCDLMLN	'DELIM' STRING LENGTH
52	(34)	CHARACTER	8	DSCALSC	'ALSO' STRING
60	(3C)	CHARACTER	8	DSCDLMC	'DELIM' STRING
68	(44)	CHARACTER	*	DSCKEY	'KEY' STRING

Table 8. Constants for SCL

Len	Type	Value	Name	Description
4	CHARACTER	SCL	SCLNAME	CONSTANT - ACRONYM 'SCL '
1	DECIMAL	1	SCLSP212	VERSION LEVEL NUMBER
1	DECIMAL	1	SCLVERID	VERSION IDENTIFICATION

```
  THE FOLLOWING CONSTANTS DEFINE THE VALUES IN SCLRET
  EITHER RETURNED FROM THE ROUT OR I/O EXIT ROUTINE TO THE
  PARSER OR FROM THE PARSER TO THE INVOKER:
  RETURN CODES PASSED FROM THE PARSER TO THE INVOKER
      RETURN CODE = 0 (SCLGOOD)
      CONDITIONS = ALL AVAILABLE PARSE DESCRIPTIONS OR
                   INPUT RECORDS PROCESSED SUCCESSFULLY
      RETURN CODE = 4 (SCLBAD)
      CONDITIONS = PARSE STOPPED BECAUSE:
             1) ROUT INDICATED STOP BY SETTING SCLRET=SCLSTOP
          OR 2) PARSE DESCRIPTION AND ALTERNATES EXHAUSTED
                   WITHOUT FINDING MATCH WITH CHARACTER STRING
          OR 3) CHARACTERS DECLARED AS BEING VALID DELIMITERS
                   HAVE ALREADY BEEN DEFINED AS ACCEPTABLE
      RETURN CODE = 8 (SCLSTOP)
      CONDITIONS = PARSER IS TO READ IN NEXT INPUT RECORD
                      BUT NO I/O EXIT ROUTINE EXISTS, OR,
                      AFTER CALLING I/O EXIT ROUTINE, IT
                      IS FOUND THAT NO MORE INPUT IS
                      AVAILABLE WHEN THERE SHOULD HAVE BEEN
                      MORE INPUT TO READ
      RETURN CODE = 12 (SCLINVAL)
      CONDITIONS = SCL CONTAINS INVALID SYNTAX
      RETURN CODE = 16 (SCLERR)
      CONDITIONS = SERIOUS ERROR OCCURRED
      RETURN CODE = 20 (SCLTERM)
      CONDITIONS = TERMINAL ERROR OCCURRED
      RETURN CODE = 24 (SCLESTAE)
      CONDITIONS = PARSER ESTAE HAS NOT BEEN INVOKED
      RETURN CODE = 28 (SCLUNDEF)
      CONDITIONS = ROUT OR I/O EXIT ROUTINE GAVE A RETURN
                      CODE OTHER THAN THOSE EXPECTED
      RETURN CODE = 32 (SCLABEND)
      CONDITIONS = AN ABEND OCCURRED EITHER IN THE PARSER
                      OR WITHIN AN EXIT ROUTINE
  RETURN CODES PASSED FROM ROUT EXIT ROUTINES TO PARSER
      RETURN CODE = 0 (SCLGOOD)
      CONDITIONS = CONTINUE PARSING
      OUTPUT = NONE
      RETURN CODE = 4 (SCLNDSCN)
      CONDITIONS = STOP PARSE BUT HAVE PARSER RETURN TO CALLER
                   WITH RETURN CODE OF SCLGOOD
```

Table 8. Constants for SCL (continued)

Len	Type	Value	Name	Description
			OUTPUT = RETURN CODE IN SCL RETURN CODE = 8 (SCLSTOP) CONDITIONS = STOP PARSE AND HAVE PARSER RETURN TO CALLER WITH RETURN CODE OF SCLBAD OUTPUT = RETURN CODE IN SCL RETURN CODE = 16 (SCLERR) CONDITIONS = STOP PARSE AND HAVE PARSER RETURN TO CALLER WITH RETURN CODE OF SCLERR OUTPUT = RETURN CODE IN SCL RETURN CODE = 20 (SCLTERM) CONDITIONS = STOP PARSE AND RETURN TO CALLER WITH RETURN CODE OF SCLTERM OUTPUT = RETURN CODE IN SCL RETURN CODE = OTHER CONDITIONS = STOP PARSE AND RETURN TO CALLER WITH RETURN CODE OF SCLUNDEF OUTPUT = RETURN CODE IN SCL RETURN CODES PASSED FROM I/O EXIT ROUTINE TO PARSER RETURN CODE = 0 (SCLGOOD) CONDITIONS = INPUT BUFFER REFILLED SUCCESSFULLY OUTPUT = NONE RETURN CODE = 4 (SCLNDSCN) CONDITIONS = NO MORE INPUT AVAILABLE - 1) IF WITHIN A COMMENT FIELD, PARSER SHOULD RETURN TO CALLER WITH RETURN CODE OF SCLBAD AND A REASON CODE OF SCLBCOM 2) IF A CONTINUATION CHARACTER WAS GIVEN, PARSER SHOULD RETURN TO CALLER WITH RETURN CODE OF SCLBAD AND A REASON CODE OF SCLBCONT 3) OTHERWISE, PARSER SHOULD RETURN TO CALLER WITH RETURN CODE OF SCLGOOD AND A REASON CODE OF SCLNOIO OUTPUT = RETURN CODE IN SCL RETURN CODE = 20 (SCLTERM) CONDITIONS = STOP PARSE AND RETURN TO CALLER WITH RETURN CODE OF SCLTERM OUTPUT = RETURN CODE IN SCL RETURN CODE = OTHER CONDITIONS = STOP PARSE AND RETURN TO CALLER WITH RETURN CODE OF SCLUNDEF OUTPUT = RETURN CODE IN SCL	
1	DECIMAL	0	SCLGOOD	
1	DECIMAL	4	SCLNDSCN	
1	DECIMAL	4	SCLBAD	
1	DECIMAL	8	SCLSTOP	
1	DECIMAL	12	SCLINVAL	
1	DECIMAL	16	SCLERR	
1	DECIMAL	20	SCLTERM	
1	DECIMAL	24	SCLESTAE	
1	DECIMAL	28	SCLUNDEF	
1	DECIMAL	32	SCLABEND	

Table 8. Constants for SCL (continued)

Len	Type	Value	Name	Description

```
      THE FOLLOWING CONSTANTS DEFINE THE VALUES IN SCLRSN (REASON
    CODES) ON RETURN FROM THE PARSER TO THE INVOKER. IT IS ALSO
    POSSIBLE THAT THE PARSER WILL PASS ON THE REASON CODE FROM THE
    ROUT OR I/O EXIT ROUTINE AS ITS REASON CODE WHEN RETURNING
    TO THE INVOKER.
            REASON CODE = 0 (SCLOK)
             CONDITIONS = USED WITH SCLGOOD, OR WHEN
                          NO REASON IS DETERMINED
            REASON CODE = 4 (SCLNOPRS)
             CONDITIONS = PARSE DESCRIPTION DEFINED AS NEXT
                          (SUCCESSOR, SECONDARY SUCCESSOR OR
                          ALTERNATE) DOES NOT EXIST
            REASON CODE = 8 (SCLNOIO)
             CONDITIONS = PARSER IS TO READ IN NEXT INPUT RECORD
                          BUT NO MORE INPUT IS AVAILABLE BECAUSE
                          EITHER NO I/O EXIT ROUTINE EXISTS OR ALL
                          OF THE INPUT RECORDS HAVE BEEN PARSED
            REASON CODE = 12 (SCLBCONT)
             CONDITIONS = IF CONTINUATION CHARACTER IS FOUND AS
                          LAST CHARACTER OF PREVIOUS INPUT
                          RECORD AND:
                             1) NO I/O EXIT ROUTINE EXISTS, OR
                             2) I/O EXIT ROUTINE GIVES A RETURN
                                CODE INDICATING THAT NO MORE
                                INPUT IS AVAILABLE
            REASON CODE = 16 (SCLBCOM)
             CONDITIONS = IF, WHEN REACHING END OF INPUT RECORD,
                          PARSER IS WITHIN A COMMENT FIELD AND:
                             1) NO I/O EXIT ROUTINE EXISTS, OR
                             2) I/O EXIT ROUTINE GIVES A RETURN
                                CODE INDICATING THAT NO MORE
                                INPUT IS AVAILABLE
            REASON CODE = 20 (SCLBDLM)
             CONDITIONS = CHARACTERS DEFINED BY INVOKER AS
                          BEING VALID DELIMITERS HAVE ALREADY
                          BEEN DEFINED AS ACCEPTABLE FOR THE
                          SCAN
            REASON CODE = 24 (SCLBKEY)
             CONDITIONS = KEYWORD NOT FOUND (DURING KEY PROCESSING)
            REASON CODE = 28 (SCLBLEN)
             CONDITIONS = LENGTH OF WORD FOUND WHILE SCANNING
                          IS OUT OF RANGE
            REASON CODE = 32 (SCLBCHAR)
             CONDITIONS = CHARACTER THAT SCAN ENDED AT
                          IS AN INVALID DELIMITER
                                      OR
                          'INVALID CHARACTER'
            REASON CODE = 36 (SCLNOSPC)
             CONDITIONS = NO PROCESSING OF ANY KIND WAS SPECIFIED
                          ON CURRENT PARSE DESCRIPTION
            REASON CODE = 40 (SCLBADPD)
             CONDITIONS = AN INVALID PARSE DESCRIPTION WAS SUPPLIED.
                          IT IS SUGGESTED THAT THE USER UNDERSTAND
                          HOW THE 'IEEPARSE' MACRO FUNCTIONS BEFORE
                          GENERATING HIS OWN PARSE DESCRIPTIONS.
            REASON CODE = 44 (SCLBUFLN)
             CONDITIONS = THE MULTIPLE RECORD INPUT BUFFER
                          SUPPLIED IS NOT LONG ENOUGH TO HOLD
                          THE DATA NECESSARY TO ADEQUATELY
                          PERFORM THE PARSE DESCRIPTION POINTED
                          TO BY SCLCURNT.
```

Table 8. Constants for SCL (continued)

Len	Type	Value	Name	Description
1	DECIMAL	0	SCLOK	
1	DECIMAL	4	SCLNOPRS	
1	DECIMAL	8	SCLNOIO	
1	DECIMAL	12	SCLBCONT	
1	DECIMAL	16	SCLBCOM	
1	DECIMAL	20	SCLBDLM	
1	DECIMAL	24	SCLBKEY	
1	DECIMAL	28	SCLBLEN	
1	DECIMAL	32	SCLBCHAR	
1	DECIMAL	36	SCLNOSPC	
1	DECIMAL	40	SCLBADPD	
1	DECIMAL	44	SCLBUFLN	

Table 9. Cross Reference for SCL

Name	Offset	Hex Tag
DSCABBLN	31	
DSCALPHA	2A	80
DSCALSC	34	
DSCALSLN	32	
DSCALTAD	0	
DSCBLANK	2B	80
DSCCALRT	2B	10
DSCCOMMA	2B	20
DSCDATA	10	
DSCDLMC	3C	
DSCDLMLN	33	
DSCFLG1	2A	
DSCFLG2	2B	
DSCHEX	2A	20
DSCIOYES	2B	40
DSCKEY	44	
DSCKEYLN	30	
DSCMAXLN	2C	
DSCMINLN	2E	
DSCNOSCN	2B	08
DSCNUMER	2A	40
DSCPARSE	0	
DSCRSVD	14	
DSCRTAD	C	
DSCSSAD	8	
DSCSUCAD	4	
DSCTRTAD	20	
DSCUINDX	28	
DSCUTAB	24	
DSC1A	2A	10
DSC1A@	2A	08
SCLACRO	0	
SCLCHAR	8	
SCLCOMNT	20	20

Table 9. Cross Reference for SCL (continued)

Name	Offset	Hex Tag
SCLCONTC	20	80
SCLCURNT	18	
SCLDATA	30	
SCLDSC	C	
SCLFLG1	20	
SCLFLG2	21	
SCLFLG3	22	
SCLFLG5	3A	
SCLINLN	1C	
SCLIOPAD	14	
SCLIORTN	10	
SCLMBUFL	38	
SCLMBUFP	34	
SCLMBUFU	3C	
SCLMULTR	20	02
SCLNOCT	20	40
SCLNORT	20	04
SCLNOSUC	20	10
SCLPARM	0	
SCLRESV1	5	
SCLRESV2	2A	
SCLRET	40	
SCLRSN	44	
SCLRSVD1	48	
SCLRSVD2	4C	
SCLRSVD3	50	
SCLRSVD4	54	
SCLRSVD5	58	
SCLSECS	20	08
SCLSTRLN	1E	
SCLUFUNC	23	
SCLUINDX	28	
SCLUSER	2C	
SCLUTAB	24	
SCLVERSN	4	

Chapter 4. SCRA Information

SCRA Heading Information

Common Name:	Supervisor Control Recovery Area
Macro ID:	IHASCRA
DSECT Name:	SCRA
Owning Component:	Supervisor Control (SC1C5)
Eye-Catcher ID:	SCRA Offset: 0 Length: 4
Storage Attributes:	Subpool: 245 Key: 0
Size:	24 bytes
Created by:	IEAVESPR
Pointed to by:	SDWAPARM field of the SDWA data area
Serialization:	Disablement
Function:	The Parm area pointed to by SDWAPARM is mapped by IHASCRA for Supervisor Control Recovery modules. IEAVESPR initializes and is primary user of the area. It serves as a communication area.

SCRA mapping

Table 10. Structure SCRA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SCRA	
0	(0)	DBL WORD	8	(0)	SUPERVISOR CONTROL RECOVERY AREA
0	(0)	CHARACTER	4	SCRASCRA	ACRONYM FOR SCRA
4	(4)	ADDRESS	4	SCRARTNP	RTM RETURN POINT ADDRESS
8	(8)	ADDRESS	4	SCRACSTK	CURRENT STACK POINTER
12	(C)	SIGNED	4	SCRAFLGS(0)	RECURSION AND ACTION FLAGS
12	(C)	BITSTRING	1	SCRARECF	RECURSION FLAGS
		1...		SCRAREC1	"X'80'" FIRST LEVEL RECURSION
		.1..		SCRAREC2	"X'40'" SECOND LEVEL RECURSION
		..1.		SCRARS02	"X'20'" RESERVED
		...1		SCRAXSRC	"X'10'" XES List Notification Recovery Recurstion indicator
13	(D)	BITSTRING	1	SCRAACTF	ACTION FLAGS
		1...		SCRAMTRM	"X'80'" MEMTERM INDICATOR
		.1..		SCRAABTM	"X'40'" ABTERM INDICATOR
		..1.		SCRANORE	"X'20'" Do not do logrec recording.
14	(E)	SIGNED	2	SCRARS04	RESERVED
16	(10)	SIGNED	4	SCRAWORK	RECOVERY WORK AREA PTR
20	(14)	SIGNED	4	SCRASUPR	SUPERVISOR CONTROL WORD FROM PSA
24	(18)	DBL WORD	8	SCRAEND(0)	END OF SCRA

SCRA mapping

Table 11. Cross Reference for SCRA

Name	Offset	Hex Tag
SCRA	0	
SCRAABTM	D	40
SCRAACTF	D	
SCRACSTK	8	
SCRAEND	18	
SCRAFLGS	C	
SCRAMTRM	D	80
SCRANORE	D	20
SCRARECF	C	
SCRAREC1	C	80
SCRAREC2	C	40
SCRARS02	C	20
SCRARS04	E	
SCRARTNP	4	
SCRASCRA	0	
SCRASUPR	14	
SCRAWORK	10	
SCRAXSRC	C	10

Chapter 5. SCT Information

SCT Heading Information

Common Name:	STEP CONTROL TABLE
Macro ID:	IEFASCTB
DSECT Name:	INSMSCT
Owning Component:	Interpreter (SC1B9)
Eye-Catcher ID:	'SCT ' Offset: -4 (SWA prefix) Length: 4 bytes
Storage Attributes:	Subpool: 236 or 237 (SWA), or 241 for MSTR Key: 1 Residency: Below
Size:	176 bytes Frequency: One per step in a job
Created by:	The Interpreter
Pointed to by:	- JSCSCTP field (SVA) of the JSCB data area
Serialization:	None
Function:	Contains job step information used by Initiator and Interpreter routines

SCT mapping

Table 12. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 12. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
   START OF SPECIFICATIONS
01 MACRO NAME = IEFASCTB
01 DESCRIPTIVE NAME= STEP CONTROL TABLE
02 ACRONYM = SCT
01 PROPRIETARY STATEMENT=
  PROPRIETARY_STATEMENT
 LICENSED MATERIALS - PROPERTY OF IBM
 5650-ZOS COPYRIGHT IBM CORP. 1977, 2013
 STATUS= HBB7790
  END_OF_PROPRIETARY_STATEMENT
01 FUNCTION = Contains job step information used by Initiator
         and Interpreter routines
01 EXTERNAL CLASSIFICATION: NOTPI
01 END OF EXTERNAL CLASSIFICATION:
01 NOTES =
       THERE ARE TWO FIELDS IN THIS MACRO THAT CONTAIN THE
       REGION VALUE. SCTMSSZE IS ONLY A HALFWORD, SCTRGSZ
       IS THREE BYTES. SCTRGSZ WILL BE ABLE TO CONTAIN A
       LARGER VALUE UP TO THE MAXIMUM NOW ALLOWED OF 2096128K
       BYTES. SCTMSSZE IS RETAINED FOR COMPATIBILITY.
       Also pointed to by LCTSCTAD field of the LCT data area
       Field JSCBSWSP of the JSCB pointed to by the jobstep
       TCB indicates which subpool the control block resides.
02 DEPENDENCIES =
          CHANGES TO THIS MACRO SHOULD BE REFLECTED
              IN IPCS MODEL IEFMSCT
   INVOCATION
01 METHOD OF ACCESS =
02 PL/AS =
        %INCLUDE SYSLIB(IEFASCTB)
        DCL SCTPTR PTR(31)
02 BAL =
        IEFASCTB
01 DSECT NAME = INSMSCT
01 COMPONENT = Interpreter (SC1B9)
01 EYE CATCHER = 'SCT '
02 OFFSET = -4 (SWA prefix)
02 LENGTH = 4 bytes
01 CREATED BY = The Interpreter
01 CREATED BY (IBM use only) =
     Interpreter Module (IEFVEA)
01 POINTED TO BY =
   - JSCSCTP field (SVA) of the JSCB data area
01 POINTED TO BY (IBM use only) =
   - JCTSDKAD field (SVA) of the JCT data area
   - SCTANSCT field (SVA) of the SCT data area
   - SWBUFPTR field in IEFZB506 upon return from IEFQMREQ
      macro (Preferred method of SVA translation)
```

Table 12. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
    - SWBLKPTR field in IEFZB505 upon return from SWAREQ
       macro
 01 SERIALIZATION = None
 01 STORAGE ATTRIBUTES =
 02 ALLOCATION METHOD = SWA Manager call
 02 SUBPOOL = 236 or 237 (SWA), or 241 for MSTR
 02 KEY = 1
 02 RESIDENCY = Below
 01 SIZE = 176 bytes
     Frequency: One per step in a job
 01 DISTRIBUTION LIBRARY = AMACLIB
 01 CHANGE ACTIVITY= G743P2E, ZA44031, OY24276
  $H1= EXTJCL JBB2110 820702 PD43: SUPPORT FOR EXTENDED JCL
  $D1= DCR002 JBB2125 830608 PDC5: JCL REGION PARM SUPPORT
  $H2= VF JBB2214 840604 PDM7: VF TIMING SUPPORT
  $D2= DCR2 JBB2214 840604 PDM7: ADD VF AFFINITY TIME
  $L1= SERVC HBB4410 880111 PDKK: >1440 TIME=
  $L2= SERVC HBB4410 880420 PDKK: >1440 TIME=
  $L3= EMVS2 HBB4410 881031 PDR6: ENTERPRISE/MVS II
  $L4= DDPERF HBB4420 900406 PDDS: DD LIMIT PERFORMANCE
  $01= OY38974 JBB2220 910208 PDHB: Added the step system code.
  $02= OY46712 HBB4410 910909 PDPS: Comment clarification
  $03= OY49687 HBB4410 911115 PDCC: Tell Allocation about NDSI
  $L5= POSIX HBB4430 910731 PDCC: OPEN/MVS Support
  $L6= POSIX HBB4430 911028 PDCC: OPEN/MVS Support
  $L7= POSIX HBB4430 920108 PDBN: SHOWHDR format complete
  $P1= PKB1233 HBB4430 920318 PDCC: Restore SCTDDNT
  $P2= PKB3464 HBB4430 920901 PDDZ: SP430 Cleanup
  $P3= PIG1422 HBB5510 930715 PDBN: SHOWHDR/PLASMAP update
  $P4= PX01022 HBB7705 010220 PDB6: OMVS Memlimit Support
  $T0= TX00829 HBB7705 010226 PDB6: Missing s in asm code
  $04= OW46835 HBB5510 010228 PDHB: Continue with trying to get
                                    the DSNT cleanup right.
  $P5= PYN0830 HBB7708 030115 PDOO: FIN APAR OW56237
  $P6= ME02860 HBB7750 070914 PDOO: ABEND878 due to IEFUSI
                                    imposed region limit
```

Table 12. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
   $P7= ME11421 HBB7750 071002 PDOO: CDPI error
   $P8= ME07987 HBB7750 080130 PDOO: Assembler SCTANSCT 4 bytes
   $L8= G64CPU HBB7760 080909 PDIN: Vector removal
   $L9= PARMDD HBB7790 121130 PDKK: Add PARMDD keyword support
                                    Feature ME25427
     END OF SPECIFICATIONS
       SMB DELETION,EXTENDED ALLOC,INTERP. SUPPORT 01/24/72
   M-004500,004600,007800,012000,013380,013644 Y02668
   A-190700,191200,302200,502200,520200,750200,750700,846200 Y02668
   M-011444,011448,012100 Y02670
   D-011446 Y02670
   C-011100,011447,011470,013380,013390,462200,515200 Y01113
   C-542200,790200 Y01113
   A-000404-000416,013304,013308,790700 Y01113
   D-013460,013470,013480 Y01113
   C-002620,062200 Y01029
   A - DEFINE SCTPRFM2 BIT IN SCTSDP AND SCTSDPTY
   A - DEFINE SCTEPRFM BIT IN SCTSDP AND SCTSDPTY
   A - SCHEDULER WORK BLOCK(SWB) STRUCTURE POINTER
   A - A LARGER REGION FIELD TO CONTAIN A LARGER VALUE BECAUSE
       OF THE LARGER STORAGE POSSIBILITIES OF MVS/XA.
   A - SOME LABELS TO THE ASSEMBLER CODE SO TO BE CONSISTENT
       WITH THE PLS VERSION WHERE POSSIBLE.
   C - CHANGED SCTAALOC WHICH IS NO LONGER USED TO SCTTVFUT FOR
       STEP VF USAGE TIME
   A - ADDED STEP VF AFFINITY TIME FIELD - SCTTVFAT
   A - DEFINE SCTRSTST BIT IN SCTBCT TO INDICATE TO ALLOC
       WHICH IS THE RESTARTED STEP - SUPPORT FOR OY23932
   D - MOVED SCTSTIME TO IEFSCTX
   C - NAMED OLD SCTSTIME FIELD TO SCTRSVD1
   A - DEFINED BIT SCTSTNRN IN BYTE SCTSTEND TO INDICATE THAT
       THIS STEP WAS NOT RUN DUE TO CONDITION CODE PROCESSING
   A - ADD DEPENDENCY NOTE FOR IPCS CONTROL BLOCK MODEL
   A - Defined the Step SYStem Code, SCTSSYSC, which will be set
       to the defined SCTUSYSC value during Step Unallocation
```

Table 12. Structure (continued)

```
  Offset    Offset
    Dec       Hex  Type                 Len  Name(Dim)                 Description
-------------------------------------------------------------------------------
       processing, IEFBB410, whenever an error is encountered.
       SMF processing will check this field and set an indicator
       in the SMF TYPE30 accounting record if it is on.
   C - Changed comments for fields SCTFSIOT and SCTLSIOT
   C - Defined SCTNDSI, replacing LCTNDSI
   C - Remove obsolete fields - SCTTIOT and SCTDDNT
   C - Define SCTPRSCT to point to the prior Step Control Table
   C - Define SCTTEXEC to indicate that this step was terminated
       due to exec() processing
   C - Define SCTSSNUM to define the Sub-Step number
   C - Converted to SHOWHDR format
   C - Restore non-obsolete field - SCTDDNT
   A - Added SWAREQ reference in prologue
   C - Corrected prologue and comment fields for data areas
       publication
   A - Added SCTMEMPR for OMVS propogation of MEMLIMIT from
       parent to child.
   C - Added to comments for SCTMEMPR field in assembler code
   C - Defined new field SCTCLDST in a previously unused three (3)
       bytes, as well as, new flag SCTDNTEM. These will be used
       by both IEFDB413 and IEFDB414 during their respective
       manipulation of the DSNT.
   C - Changed the assembler definition of SCTXBTTR from a
       fullword to 3 characters so it would match the (correct)
       PLX version.
   A - Added SCTNHUSI to incicate when NOHONORIEFUSIREGION was
       specified in the Program Properties Table (PPT).
   C - Changed length of SCTANSCT from 4 bytes to 3 bytes in
       the Assembler version definition
   C - Defined reserved bit 3 of the SCTSTAT2 as SCTPRMDD.
 %GOTO SCTBSL; @G743P2E
-------------------------------------------------------------------------------
       0       (0)  DBL WORD             8    (0)
       0       (0)  X'0'                 0    INSMSCT              "*" STEP CONTROL TABLE
       0       (0)  CHARACTER            3    SCTDISKA             DISK ADDRESS OF SCT
       3       (3)  CHARACTER            1    SCTTBLID             TABLE ID OF SCT=2
       3       (3)  X'2'                 0    SCTID                "2"
       4       (4)  CHARACTER            1    SCTSSTAT             INTERNAL STEP STATUS
       4       (4)  X'80'                0    EAADDRBT             "128" BIT 0 - ON FOR
                                                                   ADDRSPC=REAL Y01029
       4       (4)  X'40'                0    EACAUSER             "64" BIT 1 - CAN CAUSE ROLLOUT
                                                                   AACA
       4       (4)  X'20'                0    SCTNORST             "32" BIT 2 - NO RESTART TO BE
                                                                   DONE AACA
       4       (4)  X'10'                0    SCTNOCKP             "16" BIT 3 - NO CHECKPOINT TO BE
                                                                   TAKEN AACA
       4       (4)  X'8'                 0    SCTDORST             "8" BIT 4 - DO RESTART IF
                                                                   NECESSARY AACA
       4       (4)  X'4'                 0    SCTKEY0              "4" BIT 5 - FOR GRAPHICS - ALTER
                                                                   PROTECT KEY AACA
       4       (4)  X'2'                 0    SCTGRPH              "2" BIT 6 - FOR GRAPHICS - ABEND
                                                                   EXIT AACA
       4       (4)  X'1'                 0    INCMSSTS             "1" BIT-7 - STEP FAILED
       5       (5)  CHARACTER            1    SCTMEMPR             This byte is set when OMVS
                                                                   creates a child in order to
                                                                   propagate the parent's MEMLIMIT
                                                                   to the child.
       6       (6)  CHARACTER            2    SCTRSVD1             RESERVED
```

Table 12. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	CHARACTER	2	SCTSEXEC	STEP STATUS CODE PASSED TO THE INITIATOR AT TERMINATE OR THE LENGTH OF THE PARM FIELD IN THE SCTX. Y02641
10	(A)	CHARACTER	2	SCTLALOC	LENGTH OF ALLOCATION WORK AREA OR NUMBER OF GOOD DD CARDS
12	(C)	CHARACTER	4	SCTFSIOT	SVA of first SIOT. SVA is contained in the first three bytes of this field.
16	(10)	BITSTRING	4	SCTTR010	Reserved, was SCTTVFUT
20	(14)	CHARACTER	3	SCTANSCT	DISK ADDRESS OF NEXT SCT
23	(17)	CHARACTER	1		RESERVED
24	(18)	CHARACTER	4	SCTLSIOT	SVA of last SIOT for step. SVA is contained in the first three bytes of this field.
28	(1C)	CHARACTER	4	SCTDDNT	SWA ADDRESS OF DDNT
32	(20)	CHARACTER	4	SCTAFACT	SVA ADDRESS OF FIRST ACT FOR THIS STEP
36	(24)	CHARACTER	4	SCTSWB	SCHEDULER WORK BLOCK (SWB) STRUCTURE POINTER
40	(28)	CHARACTER	4	SCTADSTB	SVA ADDRESS OF DSNAME TABLE FOR THIS STEP
44	(2C)	CHARACTER	8	SCTSCLPC	NAME OF STEP THAT CALLED PROCEDURE
52	(34)	CHARACTER	8	SCTSNAME	STEPNAME
60	(3C)	CHARACTER	2	SCTRPACT	RELATIVE POINTER TO STEP ENTRY IN ACT
62	(3E)	CHARACTER	2	SCTSSYSC	Step SYStem Code. This code indicates failure before program ATTACH or after program completion. Currently, only Allocation's IEFBB410 module sets this field and SMF modules IEFTB721 and IEFTB726 use it.
62	(3E)	BITSTRING	0	SCTUSYSC	"X'8000'" Unallocation step SYStem Code.
64	(40)	CHARACTER	1	SCTSNUMB	FAILING STEP NUMBER FOR Y02641 AUTO RESTART
65	(41)	CHARACTER	1	SCTNSMSG	NUMBER OF SET UP MESSAGES
66	(42)	CHARACTER	1		RESERVED
67	(43)	CHARACTER	1	SCTSTYPE	STEP TYPE
67	(43)	X'80'	0	SCTGOSTP	"128" BIT 0- =1 IF PGM=*.(GO)STEP(FETCH DCB) 19874
67	(43)	X'40'	0	SCTINPUT	"64" BIT 1- =1 IF SYSIN IS SPECIFIED (DD *)
67	(43)	X'20'	0	SCTOUTMC	"32" BIT 2- =1 IF THE PARAMETER ASSOCIATED WITH A SYSOUT KEYWORD SPECIFIES THE MESSAGE CLASS 19874
67	(43)	X'10'	0	SCTSJFHK	"16" BIT 3 - JFCB H/K COMPLETE
67	(43)	X'E'	0	SCTINITB	"14"

Table 12. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		BITS 4, 5, AND 6 ARE USED BY THE INITIATOR, AS FOLLOWS-- 000 - USE ACTION CODE 001 - GO TO AVR MODULE 010 - GO TO SPACE REQUEST 011 - GO TO EXTERNAL ACTION SETUP 100 - GO TO EXTERNAL ACTION VERIFY 101 - NULL 110 - NULL 111 - NULL			
67	(43)	X'1'	0	SCTJSCAT	"1" BIT 7- =1 PRVT CAT IS JOBCAT, =0 FOR STEPCAT Y01113
68	(44)	CHARACTER	3	SCTXBTTR	SVA OF SCT EXTENSION BLOCK CONTAINING PARAMETER
71	(47)	CHARACTER	1		RESERVED
72	(48)	SIGNED	4	SCTMSADR	ADDRESS OF REGION IN MAIN STORAGE - X'00 IN 1ST BYAACA
76	(4C)	CHARACTER	4	SCTSRBT	ACCUMULATED SRB TIME FOR STEP Y02652
		THE FOLLOWING FOUR BYTES ARE I254 USED BY IEFSD41Q(MVT AND MFT-2), I254 IEFSD42Q(MVT AND MFT-2), I254 IEFW41SD(PCP), I254 IEFW42SD(PCP), I254 IEFYNIMP(ALL SYSTEMS) I254			
80	(50)	CHARACTER	4	SCTLDSTB	LENGTH OF DSNAME TABLE Y02670
84	(54)	CHARACTER	4	SCTPCAT	PRIVATE CATALOG SIOT DISK ADDRESS Y01113
88	(58)	SIGNED	2	SCTMSSZE	SIZE OF REGION IN MAIN STORAGE AACA
90	(5A)	SIGNED	2	SCTSSNUM	Sub-step number, used for exec()
92	(5C)	CHARACTER	2	SCTNIUSL	COUNT OF TOTAL NUMBER OF DD'S FOR A STEP Y02668
94	(5E)	CHARACTER	2	SCTSDP	STEP DISPATCHING PRIORITY- SET IN IEFVEA, I241 USED BY THE INITIATOR I241
94	(5E)	X'80'	0	SCTEPRFM	"128" BIT 0 = 1 PERFORM SPECIFIED ON EXEC STMT
94	(5E)	X'40'	0	SCTPRFM2	"64" BIT 1 = 1 IF TWO BYTE PERFORM FIELD USED
94	(5E)	X'20'	0	SCTFSTEP	"32" BIT 2-FIST STEP TO BE EXECUTED I241
96	(60)	SIGNED	4	SCTSMF	STEP SYSIN COUNT FOR SMF SMF
100	(64)	CHARACTER	4	SCTGOTTR	SVA OF PGM=*. SIOT AACA
104	(68)	CHARACTER	1	SCTSTAT2	EXTENSION OF STEP STATUS INDICATORS
104	(68)	X'68'	0	SCTBCT	"SCTSTAT2" STEP STATUS INDICATORS BIT 0 - RESERVED 19874
		THE FOLLOWING BIT INDICATES THAT DIRECT SYSOUT FACILITIES ARE O99 REQUIRED FOR JOB SEPARATOR/SYSTEM MESSAGES O99			
104	(68)	X'20'	0	SCTMCVOL	"32" ALLOCATION FOR CVOL AACA

Table 12. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
104	(68)	X'10'	0	SCTPRMDD	"16" BIT 3 - If set, the SCTXPARM field contains the DDname of the input parameter data set and the SCTSEXEC field will indicate that the SCTXPARM field contains a zero length parameter string.
104	(68)	X'8'	0	SCTSTPLB	"8" BIT 4 - STEPLIB PRESENT AACA
104	(68)	X'4'	0	SCTSPSYS	"4" BIT 5 - =1 IF SPOOLED SYSIN FOR STEP (EXPRESS O102 CANCEL)SET BYIEFVDA,TESTED BY IEESD575 O102 MVT AND MFT ONLY) O102
104	(68)	X'2'	0	SCTJBEND	"2" JOB ENDED BIT AACA
104	(68)	X'1'	0	SCTRSTST	"1" BIT 7 - RESTARTED STEP (SET BY IEFSD161)
105	(69)	CHARACTER	3	SCTCLDST	Copy of SCTLDSTB. Set/used by IEFDB414 and used by IEFDB413.
108	(6C)	CHARACTER	8	SCTPGMNM	PROGRAM NAME
116	(74)	CHARACTER	2	SCTPRFMF	PERFORMANCE GROUP NUMBER
118	(76)	CHARACTER	2	SCTSDPCD	FIRST STEP DEPENDENCY CODE
120	(78)	CHARACTER	1	SCTSDPOP	FIRST STEP DEPENDENCY OPERATOR
121	(79)	CHARACTER	3	SCTSDPSA	DISK ADDRESS OF DEPENDENCY SCT
124	(7C)	CHARACTER	36		SPACE FOR 6 MORE STEP DEPENDENCIES HW16
160	(A0)	CHARACTER	1	SCTABCND	8TH CONDITION CODE SLOT - IF EVEN OR HW16
ONLY WERE SPECIFIED, INFORMATION HERE. OTHERWISE, 8TH COND HW16 CODE OR ZERO HW16					
160	(A0)	X'10'	0	SCTABCAN	"16" STEP CANCEL-PRIOR ABEND NO EVEN/ONLY HW16
160	(A0)	X'8'	0	SCTONLYC	"8" STEP CANCEL-ONLY WITH NO PRIOR ABEND(S) HW16
160	(A0)	X'4'	0	SCTABEND	"4" THIS STEP ABENDED HW16
160	(A0)	X'2'	0	SCTEVEN	"2" COND=EVEN WAS SPECIFIED HW16
160	(A0)	X'1'	0	SCTONLY	"1" COND=ONLY WAS SPECIFIED HW16
161	(A1)	CHARACTER	5		TO COMPLETE CONDITION CODE SPACE HW16
166	(A6)	CHARACTER	2	SCTCATCT	COUNT OF PRIVATE CATALOG SIOTS Y01113

Table 12. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					AACA
NOTE!!! THE FOLLOWING INDENTED COMMENTS HAVE BEEN LEFT FOR REFERENCE ONLY. THE FIELDS HAVE BEEN INCORPORATED. IN ORDER TO IMPLEMENT MVT IT HAS BEEN NECESSARY TO ADD AACA THE FOLLOWING FIELDS TO THE SCT. TO AVOID CAUSING AACA ERRORS IN THE CASE OF THE REASSEMBLING OF ALREADY AACA EXISTING MODULES WHICH REFERENCE THESE FIELDS,THEY AACA ARE GENERATED HERE ONLY AS COMMENTS. NOTE THAT IN AACA ACTUALITY THESE FIELDS OCCUPY THE 1ST 5 BYTES OF Y02668 THE AREA THAT IMMEDIATELY FOLLOWS THESE COMMENTS. Y01113 UNTIL THESE FIELDS ARE ACTUALLY INCORPORATED INTO THIS AACA MACRO,THEY MUST BE REFERENCED BY DISPLACEMENT (GIVEN AACA BELOW), PREFERABLY THROUGH THE USE OF EQUATES WITH AACA THE SYMBOLS DESIGNATED BELOW. AACA					
					AACA
					AACA
168	(A8)	BITSTRING	4	SCTTR0A8	RESERVED, WAS SCTTVFAT
THE FOLLOWING BYTE WAS ASSUMED FOR THE SCTSTEND FIELD, BUT WAS NOT ACTUALLY DEFINED. IT IS DEFINED SO THAT THE 3 BYTES THAT WERE RESERVED MAY BE USED FOR THE SCTRGSZ FIELD. SEE THE PREVIOUS BLOCK COMMENT FOR MORE INFORMATION.					
172	(AC)	CHARACTER	1	SCTSTEND	
172	(AC)	X'80'	0	SCTSTSRT	"128" BIT 0= STEP STARTED
172	(AC)	X'40'	0	SCTSTPND	"64" BIT 1= STEP ENDED
172	(AC)	X'20'	0	SCTSYSCK	"32" BIT 2= RESTART REQUEST SYSTEM Y02641 INITIATED, C/P DATA SET Y02641 ALREADY BEEN VALIDATED. Y02641 DISPLACEMENT 172 (DECIMAL) AACA
172	(AC)	X'10'	0	SCTSTNRN	"16" BIT 3= THIS STEP WAS NOT RUN BECAUSE OF CONDITION CODE PROCESSING
172	(AC)	X'8'	0	SCTNDSI	"8" BIT 4= The PPT specified 'No Data Set Integrity'
172	(AC)	X'4'	0	SCTTEXEC	"4" BIT 5= This step was terminated by exec() processing
172	(AC)	X'2'	0	SCTDNTEM	"2" Dataset Name Table Length Copied (from SCTLSDTB into SCTCLDST). Set/ checked by IEFDB414 after the first Dynamic Allocation of a Step causes an entry to be made in the DSNT.
172	(AC)	X'1'	0	SCTNHUSI	"1" When on, indicates that the NOHONORIEFUSIREGION (no honor IEFUSI region settings) was set in the Program Properties Table (PPT). Region sizes and limits, and associated MEMLIMIT values set or affected by the IEFUSI exit will not be honored when this bit is on. This is a propagation of PPTNHUSI. When set, SMF30NHU should also be set.
173	(AD)	CHARACTER	3	SCTRGSZ	REGION SIZE IN K BYTES

Table 12. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
173	(AD)	X'B0'	0	SCTLNGTH	"*-INSMSCT" LENGTH OF SCT AACA
176	(B0)	SIGNED	4	INDMDSNT(45)	

Table 13. Cross Reference for SCT

Name	Offset	Hex Tag
EAADDRBT	4	80
EACAUSER	4	40
INCMSSTS	4	1
INDMDSNT	B0	
INSMSCT	0	0
SCTABCAN	A0	10
SCTABCND	A0	
SCTABEND	A0	4
SCTADSTB	28	
SCTAFACT	20	
SCTANSCT	14	
SCTBCT	68	68
SCTCATCT	A6	
SCTCLDST	69	
SCTDDNT	1C	
SCTDISKA	0	
SCTDNTEM	AC	2
SCTDORST	4	8
SCTEPRFM	5E	80
SCTEVEN	A0	2
SCTFSIOT	C	
SCTFSTEP	5E	20
SCTGOSTP	43	80
SCTGOTTR	64	
SCTGRPH	4	2
SCTID	3	2
SCTINITB	43	E
SCTINPUT	43	40
SCTJBEND	68	2
SCTJSCAT	43	1
SCTKEY0	4	4
SCTLALOC	A	
SCTLDSTB	50	
SCTLNGTH	AD	B0
SCTLSIOT	18	
SCTMCVOL	68	20
SCTMEMPR	5	
SCTMSADR	48	
SCTMSSZE	58	
SCTNDSI	AC	8
SCTNHUSI	AC	1
SCTNIUSL	5C	

Table 13. Cross Reference for SCT (continued)

Name	Offset	Hex Tag
SCTNOCKP	4	10
SCTNORST	4	20
SCTNSMSG	41	
SCTONLY	A0	1
SCTONLYC	A0	8
SCTOUTMC	43	20
SCTPCAT	54	
SCTPGMNM	6C	
SCTPRFMF	74	
SCTPRFM2	5E	40
SCTPRMDD	68	10
SCTRGSZ	AD	
SCTRPACT	3C	
SCTRSTST	68	1
SCTRSVD1	6	
SCTSCLPC	2C	
SCTSDP	5E	
SCTSDPCD	76	
SCTSDPOP	78	
SCTSDPSA	79	
SCTSEXEC	8	
SCTSJFHK	43	10
SCTSMF	60	
SCTSNAME	34	
SCTSNUMB	40	
SCTSPSYS	68	4
SCTSRBT	4C	
SCTSSNUM	5A	
SCTSSTAT	4	
SCTSSYSC	3E	
SCTSTAT2	68	
SCTSTEND	AC	
SCTSTNRN	AC	10
SCTSTPLB	68	8
SCTSTPND	AC	40
SCTSTSRT	AC	80
SCTSTYPE	43	
SCTSWB	24	
SCTSYSCK	AC	20
SCTTBLID	3	
SCTTEXEC	AC	4
SCTTR0A8	A8	
SCTTR010	10	
SCTUSYSC	3E	8000
SCTXBTTR	44	

SCT mapping

Chapter 6. SCTX Information

SCTX Heading Information

Common Name: STEP CONTROL TABLE EXTENSION
Macro ID: IEFSCTX
DSECT Name: SCTXIN
Owning Component: Interpreter (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Subpool: 236 or 237 (SWA), 241 (MSTR)
Key: 1
Residency: Below
Size: 176 Below
FREQUENCY = One per step in a job
Created by: The Interpreter (IEFVEA)
Pointed to by: SCTXBTTR field of the Step Control Table (IEFASCTB)
Serialization: None
Function: THIS MACRO MAPS THE STEP CONTROL TABLE EXTENSION

SCTX mapping

Table 14. Structure SCTXIN

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	176	SCTXIN	STEP CONTROL TABLE EXTENSION (SCTX)
0	(0)	ADDRESS	3	SCTXSVA	SVA OF SCTX
3	(3)	CHARACTER	1	SCTXID	BLOCK ID OF SCTX = 0C
4	(4)	CHARACTER	104	SCTXRSWA	CHECKPOINT RESTART WORK AREA
4	(4)	CHARACTER	100	SCTXPARM	If SCTPARMDD is off, this field contains the value passed by the PARM parameter. If SCTPARMDD is on, this field contains the 8 byte DDname passed by the PARMDD parameter
104	(68)	CHARACTER	4	SCTXRSV1	RESERVED FOR CHECKPOINT RESTART
108	(6C)	UNSIGNED	4	SCTXSTL	MAXIMUM STEP RUNNING TIME
112	(70)	UNSIGNED	4	SCTXABCC	ABEND COMPLETION CODE FOR THIS STEP
116	(74)	CHARACTER	47	SCTXIFST	IFBS FOR THIS STEP TO EXECUTE
116	(74)	CHARACTER	2	SCTXIFEL	IF OR ELSE CLAUSE INDICATORS 0 - IF CLAUSE 1 - ELSE CLAUSE
118	(76)	UNSIGNED	3	SCTXIFSV(15)	ARRAY OF IFB SVAS
163	(A3)	BITSTRING	1	SCTXMEMS	SOURCE OF MEMLIMIT VALUE
164	(A4)	CHARACTER	8	SCTXMLSZ	MEMLIMIT SIZE (IN MB)
172	(AC)	UNSIGNED	4	SCTXSTMT	STATEMENT NUMBER

Table 15. Cross Reference for SCTX

Name	Offset	Hex Tag
SCTXABCC	70	

Table 15. Cross Reference for SCTX (continued)

Name	Offset	Hex Tag
SCTXID	3	
SCTXIFEL	74	
SCTXIFST	74	
SCTXIFSV	76	
SCTXIN	0	
SCTXMEMS	A3	
SCTXMLSZ	A4	
SCTXPARM	4	
SCTXRSV1	68	
SCTXRSWA	4	
SCTXSTL	6C	
SCTXSTMT	AC	
SCTXSVA	0	

Chapter 7. SCVA Information

SCVA Heading Information

Common Name:	Slip Control Element Variable Area
Macro ID:	IHASCVA
DSECT Name:	SCVA, SCVACOM, SCVAPLIM, SCVAMLIM, SCVACOMP, SCVAREAS, SCVAJOBN, SCVAADDR, SCVAMOD, SCVAERRT, SCVAMODE, SCVAAS, SCVASA, SCVAS, SCVASDAT, SCVALIST, SCVADATA, SCVADAEX, SCVADA, SCVATRD, SCVADMP, SCVAJL, SCVASTRLIST, SCVAREMSTRLIST, SCVAREMOTE, SCVAREMOTEENTRY SCVASYSLIST, SCVAREMIDGROUP, SCVAREMSDUMPTOKEN, SCVAWORK, ScvaRange ScvaAction, ScvaDsplist, ScvaListd, ScvaPasc, ScvaDssa, ScvaSt, ScvaDnl, ScvaDsplistAnEntry, ScvaDnt1, ScvaLe, ScvaListAds, ScvaInd
Owning Component:	SLIP (SCSLP)
Eye-Catcher ID:	SCVA Offset: 0 Length: 4
Storage Attributes:	Subpool: 239 Key: 0 Residency: ANY
Size:	Variable
Created by:	IEECB909 when creating a SLIP trap.
Pointed to by:	SCESCVA filed of the SCE data area
Serialization:	Compare & Swap / Compare Double & SWAP on the following fields: SHDRSEQ, SHDRCTR, SCECTR
Function:	The SCVA is an extention of the Slip Control Element (IHASCE) and, along with the SCE, internally represents a SLIP operator command. The SCVA is a variable area and its size depends on the keywords and parameters specified on the SLIP trap.

SCVA mapping

Table 16. Structure SCVA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVA	
0	(0)	CHARACTER	8	SCVAHDR	NON VARIABLE PORTION
0	(0)	CHARACTER	4	SCVACBID	CONTROL BLOCK ID = SCVA
4	(4)	SIGNED	2	SCVALN	LENGTH OF SCVA
6	(6)	CHARACTER	2	*	RESERVED
8	(8)	CHARACTER	*	SCVAVA	VARIABLE AREA

Table 17. Structure SCVACOM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	3	SCVACOM	COMMON, FOR USE WHEN SCANNING ENTRIES
0	(0)	SIGNED	2	SCVACOLN	ENTRY LENGTH

Table 17. Structure SCVACOM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	UNSIGNED	1	SCVACOID	ENTRY ID

Table 18. Structure SCVAPLIM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	SCVAPLIM	PRCNTLIM
0	(0)	SIGNED	2	SCVAPLLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAPLID	ENTRY ID
3	(3)	UNSIGNED	1	SCVAPLSP	PRCNTLIM SPECIFIED
4	(4)	SIGNED	4	SCVAPLSC	SPACE SWITCH INTERRUPT COUNTER
8	(8)	CHARACTER	8	SCVAPLST	START TIME
8	(8)	BITSTRING	4	SCVAPLTL	LEFT HALF
12	(C)	BITSTRING	4	SCVAPLTR	RIGHT HALF
16	(10)	CHARACTER	8	SCVAPLAC	ACCUMULATED TIME
16	(10)	BITSTRING	4	SCVAPLAL	LEFT HALF
20	(14)	BITSTRING	4	SCVAPLAR	RIGHT HALF

Table 19. Structure SCVAMLIM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	12	SCVAMLIM	MATCHLIM
0	(0)	SIGNED	2	SCVAMLLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAMLID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	ADDRESS	4	SCVAMLNO	NUMBER OF TIMES TRAP HAS MATCHED
8	(8)	UNSIGNED	2	SCVAMLSP	MATCHLIM SPEC
10	(A)	CHARACTER	2	*	RESERVED

Table 20. Structure SCVACOMP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	12	SCVACOMP	COMP ENTRY
0	(0)	SIGNED	2	SCVACCLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVACCID	ENTRY ID
3	(3)	BITSTRING	1	SCVACCB	FLAGS
	1...			SCVACCU	ON=USER CODE, OFF=SYSTEM
	.111 1111			*	RESERVED
4	(4)	CHARACTER	3	SCVACCM	MASK FOR SIGNIFICANT DIGITS
7	(7)	CHARACTER	3	SCVACCD	COMPLETION CODE
10	(A)	CHARACTER	2	*	RESERVED

Table 21. Structure SCVAREAS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	12	SCVAREAS	REASON CODE
0	(0)	SIGNED	2	SCVARCLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVARCID	ENTRY ID
3	(3)	BITSTRING	1	SCVARCB	FLAGS -- RESERVED

Table 21. Structure SCVAREAS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	CHARACTER	4	SCVARCM	MASK FOR SIGNIFICANT DIGITS
8	(8)	UNSIGNED	4	SCVARCSP	REASON CODE

Table 22. Structure SCVAJOBN

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	12	SCVAJOBN	JOBNAME-JSPGM ENTRY
0	(0)	SIGNED	2	SCVAJNLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAJNID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	CHARACTER	8	SCVAJND	JOBNAME OR JSPGM

Table 23. Structure SCVAADDR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SCVAADDR	ADDRESS ENTRY
0	(0)	SIGNED	2	SCVAADLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAADID	ENTRY ID
3	(3)	BITSTRING	1	SCVAAFLG	Mapped for RANGE, LPAMOD, PVTMOD, NUCMOD. ScvaMdPending must be in same bit position
		11..		*	This must be the same number of bits preceding ScvaMdPending in ScvaMOD
		..1.		SCVAMDPENDING	For LPAMOD/EP, indicates that we have not yet found the range
4	(4)	CHARACTER	16	SCVAADD	ADDRESS RANGE
4	(4)	CHARACTER	8	SCVAADD1	1st address
4	(4)	CHARACTER	4	SCVAADD1HIGH	
8	(8)	ADDRESS	4	SCVAADD1LOW	
12	(C)	CHARACTER	8	SCVAADD2	2nd address
12	(C)	CHARACTER	4	SCVAADD2HIGH	
16	(10)	ADDRESS	4	SCVAADD2LOW	

Table 24. Structure SCVARANGE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVARANGE	Range Entry
0	(0)	CHARACTER	24	SCVARANGEHEADER	Fixed portion
0	(0)	SIGNED	2	SCVARANGELN	Entry Length
2	(2)	UNSIGNED	1	SCVARANGEID	Entry ID
3	(3)	BITSTRING	1	SCVARANGEFL	FLAGS
		1...		SCVARANGESY	SYMBOLIC ASID QUALIFIERS SPECIFIED
		.1..		SCVARANGESAUSED	Sa qualifier used
		..11 1111		*	RESERVED
4	(4)	SIGNED	2	SCVARANGENO	Number of addresses in range
6	(6)	CHARACTER	2	*	Reserved
8	(8)	CHARACTER	16	SCVARANGEEVALUATED	Evaluated range
8	(8)	CHARACTER	8	SCVARANGE1	Evaluated first address

Table 24. Structure SCVARANGE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	ADDRESS	4	SCVARANGE1HIGH	
12	(C)	ADDRESS	4	SCVARANGE1LOW	
16	(10)	CHARACTER	8	SCVARANGE2	Evaluated second address
16	(10)	ADDRESS	4	SCVARANGE2HIGH	
20	(14)	ADDRESS	4	SCVARANGE2LOW	
24	(18)	CHARACTER	*	SCVARANGEAD	DATA -SEE SCVADAEX, SCVAIND, AND SVCADA

Table 25. Structure SCVASTDATA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVASTDATA	STDATA Entry
0	(0)	CHARACTER	8	SCVASTDATAHEADER	Fixed portion
0	(0)	SIGNED	2	SCVASTDATALN	Entry Length
2	(2)	UNSIGNED	1	SCVASTDATAID	Entry ID
3	(3)	BITSTRING	1	SCVASTDATAFL	Flags
		1...		SCVASTDATASY	Symbolic ASID qualifiers specified
		.1..		SCVASTDATASAUSED	SA Qualifier used
		..11 1111		*	Reserved
4	(4)	SIGNED	2	SCVASTDATANO	Number of addresses
6	(6)	CHARACTER	2	*	Reserved
8	(8)	CHARACTER	*	SCVASTDATAAD	Data

Table 26. Structure SCVAMOD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVAMOD	PVTMOD-LPAMOD-NUCMOD ENTRY
0	(0)	CHARACTER	36	SCVAMDFIXED	Fixed portion
0	(0)	SIGNED	2	SCVAMDLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAMDID	ENTRY ID
3	(3)	BITSTRING	1	SCVAMDFL	FLAGS
		1...		SCVAMDEP	LPAEP/PVTEP/NUCEP
		.1..		SCVAMDPOSIXPATHNAMEUSED	Indicates the module name is really the last 8 chars of an POSIX pathname
		..1.		SCVAMDPENDING	For LPAMOD/EP, indicates that we have not yet found the range
		Even though PVT, LPA, and NUC do not support addresses above 2G, they share the WAADDR mapping which also covers the ADDRESS keyword (which does support addresses above 2G). Thus, for convenience, we have 8-byte address fields here even though the processing will ignore the high 4 bytes			
4	(4)	CHARACTER	8	SCVAMDA1_8	
4	(4)	CHARACTER	4	SCVAMDA1_8_HIGH	
8	(8)	ADDRESS	4	SCVAMDA1	FIRST ADDRESS
12	(C)	CHARACTER	8	SCVAMDA2_8	
12	(C)	CHARACTER	4	SCVAMDA2_8_HIGH	
16	(10)	ADDRESS	4	SCVAMDA2	SECOND ADDRESS
20	(14)	ADDRESS	4	SCVAMDO1	FIRST OFFSET

Table 26. Structure SCVAMOD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
24	(18)	ADDRESS	4	SCVAMDO2	SECOND OFFSET
28	(1C)	CHARACTER	8	*	
28	(1C)	CHARACTER	4	SCVAMD_POSIX	
28	(1C)	UNSIGNED	1	SCVAMDPOSIXPATHNAMELENGTH	Length of path specified
29	(1D)	CHARACTER	3	*	Unused
28	(1C)	CHARACTER	8	SCVAMD_DYNLPA	
28	(1C)	ADDRESS	4	SCVAMDA1A	For dynamic LPA (or PVT) the "secondary" load point
32	(20)	ADDRESS	4	SCVAMDA2A	For dynamic LPA (or PVT) the end of the secondary load point
36	(24)	CHARACTER	*	SCVAMDVARIABLE	
36	(24)	CHARACTER	8	SCVAMDNM	MODULE NAME
36	(24)	CHARACTER	*	SCVAMDPOSIXPATHNAME	Posix pathname

Table 27. Structure SCVAERRT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	SCVAERRT	ERRTYP
0	(0)	SIGNED	2	SCVAERLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAERID	ENTRY ID
3	(3)	BITSTRING	1	SCVAERFL	ERRTYP FLAGS
		1...		SCVAEMCH	MACHINE CHECK
		.1..		SCVAEPRG	PROGRAM CHECK
		..1.		SCVAERST	RESTART INTERRUPT
		...1		SCVAEABN	ABEND
		.... 1...		SCVAEMEM	MEMORY TERMINATION
		.... .1..		SCVAESVC	SVC ERROR
		.... ..1.		SCVAEDAT	DAT ERROR
		1		SCVAEPIO	PAGING I/O ERROR
4	(4)	BITSTRING	1	SCVAERFL1	More ERRTYP flags
		1...		SCVAETXPROG	
5	(5)	CHARACTER	3	*	To match WAERRT. Not positive this is necessary, but does no harm other than use 3 extra bytes

Table 28. Structure SCVAMODE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	SCVAMODE	MODE ENTRY
0	(0)	SIGNED	2	SCVAMOLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAMOID	ENTRY ID
3	(3)	BITSTRING	1	SCVAMOC	MODE COMPARISON
		1...		SCVAMOE	ON=EVERY, OFF=ANY
		.111 1111		*	RESERVED
4	(4)	BITSTRING	2	SCVAMOFL	MODE FLAGS
4	(4)	BITSTRING	1	SCVAMO1	FIRST EIGHT
		1...		SCVAMSUP	SUPERVISOR CONTROL MODE
		.1..		SCVAMDIS	DISABLED

Table 28. Structure SCVAMODE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		SCVAMGSP	GLOBAL SPIN LOCK
		...1		SCVAMGSD	GLOBAL SUSPEND LOCK
		.... 1...		SCVAMLL	LOCAL LOCK
		.... .1..		SCVAMT1S	TYPE 1 SVC
		.... ..1.		SCVAMSRB	SRB
		1		SCVAMTCB	TCB
5	(5)	BITSTRING	1	SCVAMO2	SECOND EIGHT
		1...		SCVAMREC	RECOVERY IN CONTROL
		.1..		SCVAMPP	PROBLEM PROGRAM STATE
		..1.		SCVAMSS	SUPERVISOR STATE
		...1		SCVAMSK	SYSTEM KEY
		.... 1...		SCVAMPK	PROBLEM PROGRAM KEY
		.... .1..		SCVAMGL	ANY GLOBAL LOCK
		.... ..1.		SCVAMLOK	ANY LOCK
		1		SCVAMHME	HOME
6	(6)	CHARACTER	2	*	RESERVED

Table 29. Structure SCVAPASC

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	SCVAPASC	PASC ENTRY
0	(0)	SIGNED	2	SCVAPALN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAPAID	ENTRY ID
3	(3)	BITSTRING	1	SCVAPAFL	PASC FLAGS
		1...		SCVAPAP	ASC-PRIMARY
		.1..		SCVAPAAR	ASC-AR
		..1.		SCVAPAS	ASC-SECONDARY
		...1		SCVAPAH	ASC-HOME

Table 30. Structure SCVAAS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVAAS	ASID
0	(0)	CHARACTER	4	SCVAASHD	NON VARIABLE PART
0	(0)	SIGNED	2	SCVAASLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAASID	ENTRY ID
3	(3)	UNSIGNED	1	SCVAASNO	NUMBER OF ASID'S
4	(4)	CHARACTER	2	SCVAASD(*)	ASIDS

Table 31. Structure SCVASA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVASA	ASIDSA
0	(0)	CHARACTER	8	SCVASAHD	NON VARIABLE PART
0	(0)	SIGNED	2	SCVASALN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVASAID	ENTRY ID
3	(3)	UNSIGNED	1	SCVASANO	NUMBER OF ASID'S
4	(4)	BITSTRING	1	SCVASAFL	FLAGS
		1...		SCVASASY	SYMBOLIC SPECIFIED

Table 31. Structure SCVASA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
5	(5)	CHARACTER	3	*	RESERVED
8	(8)	CHARACTER	9	SCVASAD(*)	ASID'S
8	(8)	UNSIGNED	1	SCVASSA	SYMBOLIC SETTING CURRENT=00 PASID=01 SASID=02 HOME=03 OTHER=04
9	(9)	CHARACTER	8	SCVASAJOBNAME	Jobname
9	(9)	CHARACTER	2	SCVASNA	ASID

Table 32. Structure SCVADSSA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVADSSA	DSSA
0	(0)	CHARACTER	8	SCVADSHD	NON VARIABLE PART
0	(0)	SIGNED	2	SCVADSLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVADSID	ENTRY ID
3	(3)	UNSIGNED	1	SCVADSNO	NUMBER OF DATASPACES
4	(4)	BITSTRING	1	SCVADSFL	FLAGS
		1...		SCVADSSY	SYMBOLIC SPECIFIED
5	(5)	CHARACTER	3	*	RESERVED
8	(8)	CHARACTER	17	SCVADSD(*)	ASID'S
8	(8)	UNSIGNED	1	SCVADSS	SYMBOLIC SETTING CURRENT=00 PASID=01 SASID=02 HOME=03 OTHER=04
9	(9)	CHARACTER	16	SCVADSAN	DATA SPACE ASID/NAME
9	(9)	CHARACTER	8	SCVADSJOBNAME	Jobname
9	(9)	CHARACTER	2	SCVADSA	ASID
17	(11)	CHARACTER	8	SCVADSN	NAME PORTION

Table 33. Structure SCVAS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVAS	ASIDLST
0	(0)	CHARACTER	14	SCVASHD	NON VARIABLE PART
0	(0)	CHARACTER	4	SCVASCS	
0	(0)	SIGNED	2	SCVASLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVASID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	ADDRESS	4	SCVAP1	POINTER TO AREA WITH SYMBOLIC ASIDS
8	(8)	ADDRESS	4	SCVAP2	POINTER TO AREA FOR BUILDING LISTD
12	(C)	UNSIGNED	1	SCVASNO	NUMBER OF ASID'S
13	(D)	CHARACTER	1	SCVASFL	FLAGS
		1...		SCVASYM	SYMBOLIC ASIDS SPECIFIED
		.111 1111		*	RESERVED
14	(E)	CHARACTER	*	SCVASD	LIST AREA

SCVA mapping

Table 34. Structure SCVAST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	3	SCVAST(*)	AREA WHICH HOLDS SYMBOLIC INDICATORS AND ASID
0	(0)	UNSIGNED	1	SCVASSYMB	SYMBOLIC CURRENT=00 PASID=01 SASID=02 HOME=03 OTHER-04 LLOC=05
1	(1)	CHARACTER	2	SCVASASID	ASID

Table 35. Structure SCVADNL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVADNL	DSPNAME
0	(0)	CHARACTER	12	SCVADNHD	NON VARIABLE PART
0	(0)	CHARACTER	4	SCVADNCS	
0	(0)	SIGNED	2	SCVADNLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVADNID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	ADDRESS	4	SCVADNP1	POINTER TO AREA FOR building the Dsplist structure
8	(8)	UNSIGNED	1	SCVADNNO	NUMBER OF DATASPACES
9	(9)	BITSTRING	3	SCVADNFL	FLAGS
		1...		SCVADNSY	SYMBOLIC ASIDS SPECIFIED
		.111 1111		*	RESERVED
12	(C)	CHARACTER	*	SCVADNA	DATASPACE NAMES

Table 36. Structure SCVALD64

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	28	SCVALD64	LIST64 entry
0	(0)	CHARACTER	12	SCVALD64ENTRYHEADER	
0	(0)	CHARACTER	8	SCVALDSTKN	STOKEN
8	(8)	SIGNED	4	SCVALDCNT	COUNT
12	(C)	CHARACTER	16	SCVALD64ADDRESSPAIRS	Start of address pair section
12	(C)	CHARACTER	8	SCVALDSTRT64	
12	(C)	CHARACTER	4	SCVALDSTRTHIGH	
16	(10)	ADDRESS	4	SCVALDSTRTLOW	START ADDRESS
20	(14)	CHARACTER	8	SCVALDEND64	
20	(14)	CHARACTER	4	SCVALDENDHIGH	
24	(18)	ADDRESS	4	SCVALDENDLOW	END ADDRESS
28	(1C)	CHARACTER	0	SCVALISTDEND	END OF ENTRY

Table 37. Structure SCVASL64

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	32	SCVASL64	Sumlist64 entry
0	(0)	CHARACTER	16	SCVASL64ENTRYHEADER	
0	(0)	CHARACTER	8	*	Stoken or alet
0	(0)	CHARACTER	8	SCVASLSTKN	STOKEN
0	(0)	CHARACTER	8	*	
0	(0)	CHARACTER	4	*	Reserved

Table 37. Structure SCVASL64 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	CHARACTER	4	SCVASLALET	Alet
8	(8)	SIGNED	4	SCVASLCNT	COUNT
12	(C)	CHARACTER	4	SCVASLQUAL	Flag byte
		1...		SCVASLQUALIFIERISASTOKEN	ScvaSlStkn is really a stoken
		.1..		SCVASLQUALIFIERISANALET	ScvaSlAlet contains an alet
16	(10)	CHARACTER	16	SCVASL64ADDRESSPAIRS	Beginning of address pair section
16	(10)	CHARACTER	8	SCVASLSTRT64	
16	(10)	CHARACTER	4	SCVASLSTRTHIGH	
20	(14)	ADDRESS	4	SCVASLSTRTLOW	START ADDRESS
24	(18)	CHARACTER	8	SCVASLEND64	
24	(18)	CHARACTER	4	SCVASLENDHIGH	
28	(1C)	ADDRESS	4	SCVASLENDLOW	END ADDRESS
32	(20)	CHARACTER	0	SCVASLEND	END OF ENTRY

Table 38. Structure SCVASL64HEADER

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	SCVASL64HEADER	
0	(0)	SIGNED	4	SCVASL64HEADERTOTALLENGTH	
4	(4)	SIGNED	4	*	
8	(8)	CHARACTER	0	SCVASL64HEADERRESTOFDATA	

Table 39. Structure SCVALD64HEADER

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	SCVALD64HEADER	
0	(0)	SIGNED	4	SCVALD64HEADERTOTALLENGTH	

Table 40. Structure SCVADSPLIST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVADSPLIST	
0	(0)	SIGNED	4	SCVADSPLISTHEADER	Length of Dsplist
4	(4)	SIGNED	4	SCVADSPLISTENTRY(*)	Entries in dsplist

Table 41. Structure SCVADSPLISTANENTRY

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	SCVADSPLISTANENTRY	Dsplist entry
0	(0)	CHARACTER	8	SCVADSPLISTJOBNAME	Jobname
0	(0)	CHARACTER	6	*	Reserved - must be zeros when ASID is specified
6	(6)	CHARACTER	2	SCVADSPLISTASID	Asid
8	(8)	CHARACTER	8	SCVADSPLISTNAME	Name of data space

SCVA mapping

Table 42. Structure SCVADNT1

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	17	SCVADNT1(*)	
0	(0)	UNSIGNED	1	SCVADNSA	SYMBOLIC CURRENT=00 PASID=01 SASID=02 HOME=03 OTHER-04 LLOC=05
1	(1)	CHARACTER	8	SCVADNJOBNAME	Jobname qualifier
1	(1)	SIGNED	2	SCVADNAS	ASID
9	(9)	CHARACTER	8	SCVADNNM	NAME PORTION

Table 43. Structure SCVASDAT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	SCVASDAT	SDATA
0	(0)	SIGNED	2	SCVASDLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVASDID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	CHARACTER	4	SCVASDFL	SDATA FLAGS
4	(4)	CHARACTER	1	SCVASD1	SDATA BYTE 1
		1...		SCVASAPS	DUMP ALL PSA'S
		.1..		SCVASPSA	DUMP CURRENT PSA
		..1.		SCVASNUC	DUMP THE NUCLEUS
		...1		SCVASSQA	DUMP SQA
		.... 1...		SCVASLSQ	DUMP LSQA
		.... .1..		SCVASRGN	DUMP RGN (PRIVATE AREA)
		.... ..1.		SCVASLPA	DUMP LPA MOD. FOR RGN
		1		SCVASTRT	DUMP TRACE TABLE/GTF BUF
5	(5)	CHARACTER	1	SCVASD2	SDATA BYTE 2
		1...		SCVASCSA	DUMP CSA
		.1..		SCVASSWA	DUMP SWA
		..1.		SCVASSDP	DUMP SUMMARY DUMP
		...1		SCVASNSD	DO NOT DUMP SUMMARY DUMP
		.... 1...		SCVASNAP	DO NOT DUMP ALL PSA
		.... .1..		SCVASNSQ	DO NOT DUMP SQA
		.... ..1.		SCVASANU	DUMP DAT OFF NUC
		1		*	RESERVED
6	(6)	CHARACTER	1	SCVASDE1	EXTENDED SDATA OPT BYTE 1
		1...		SCVASGRS	DUMP GRSQ
		.1..		*	1=MASTER TRACE EXIT
		..1.		*	1=SMSX LOCAL EXIT
		...1		SCVASCPL	DUMP COUPLING DATA
		.... 1...		SCVASXES	Dump XESDATA data
		.... .1..		*	Reserved
		.... ..1.		SCVASWLM	1=WLM
		1		*	RESERVED
7	(7)	CHARACTER	1	SCVASD3	SDATA BYTE 3
		1...		*	Reserved
		.1..		*	Reserved
		..1.		SCVAHCAS	Dump HCSA by ASID
		...1		SCVAHCNO	Dump No Owner HCSA
		.... 1...		SCVAHCSY	Dump System owned HCSA
		.... .111		*	Available

Table 44. Structure SCVALIST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVALIST	LIST-SUMLIST ENTRY
0	(0)	CHARACTER	44	SCVALSHD	ENTRY HEADER
0	(0)	CHARACTER	4	SCVALSCS	WORD TO CS LOCK
0	(0)	SIGNED	2	SCVALSLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVALSID	ENTRY ID
3	(3)	CHARACTER	1	*	RESERVED
4	(4)	SIGNED	2	SCVALSNO	NUM OF ADDRS
6	(6)	CHARACTER	1	SCVALSFL	FLAGS
		1...		SCVALSYM	SYMBOLIC ASID QUALIFIER SPECIFIED
		.1..		SCVALSESAMEREQUIRED	Address string can only be evaluated on an ESAME system
		..11 1111		*	RESERVED
7	(7)	CHARACTER	6	SCVALSM4	CONTAINS SCVAXXM4
13	(D)	CHARACTER	7	SCVALSAE	CONTAINS SCVAXXAE
20	(14)	CHARACTER	7	SCVALSM1	CONTAINS SCVAXXM1
27	(1B)	CHARACTER	9	SCVALSM2	CONTAINS SCVAXXM2
36	(24)	ADDRESS	4	SCVALSSYMA	ADDRESS OF SYMBOLIC AREA FOR CONVERSION
40	(28)	ADDRESS	4	SCVALSDWAP	ADDRESS OF LIST64 or Sumlist64 AREA FOR SDUMP
44	(2C)	CHARACTER	*	SCVALT	
44	(2C)	ADDRESS	4	SCVALTHD	HEADER WITH LENGTH Note that for sumlist64 a reserved field of 4 bytes follows SCVALTHD
48	(30)	CHARACTER	*	SCVALSD	DATA -SEE SCVAIND, ALSO SPACE WILL BE PROVIDED AT THE END OF SCVALSD TO BUILD THE LIST OF RESOLVED ADDRESSES THAT WILL BE SENT TO SDUMP. THE WORK AREA IS POINTED TO BY SCVALSWAP. FOR SUMLIST, THE SUMLSTL AREA IS ALSO HERE, POINTED TO BY SCVALSDWAP

Table 45. Structure SCVALISTADS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	SCVALISTADS	ADDRESSES OF ENTRY
0	(0)	CHARACTER	8	SCVALISTAD164	Start address
0	(0)	CHARACTER	4	SCVALISTAD1HIGH	High portion of address
4	(4)	ADDRESS	4	SCVALISTAD1LOW	Low portion of address
8	(8)	CHARACTER	8	SCVALISTAD264	End address
8	(8)	CHARACTER	4	SCVALISTAD2HIGH	High portion of address
12	(C)	ADDRESS	4	SCVALISTAD2LOW	Low portion of address

Table 46. Structure SCVAIND

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVAIND	INDIRECT ADDRESS

Table 46. Structure SCVAIND (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	UNSIGNED	1	SCVAINDL	LENGTH OF THE ADDRESS IN ITS ORIGINAL EBCDIC FORM FOR USE BY DISPLAY
0	(0)	UNSIGNED	1	SCVAINID	ID OF ELEMENT WITHIN ADDRESS
1	(1)	CHARACTER	*	SCVAINAD	ADDRESS, BROKEN INTO ELEMENTS EACH OF WHICH CONSISTS OF AN ID (WHICH IMPLIES A LENGTH) AND A HEX NUMBER IF THE ID IS 2, 3, 5 0R 6.

Table 47. Structure SCVADATA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVADATA	DATA ENTRY
0	(0)	CHARACTER	12	SCVADAHD	ENTRY HEADER
0	(0)	SIGNED	2	SCVADALN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVADAID	ENTRY ID
3	(3)	CHARACTER	1	SCVADAFL	FLAGS
		1...		SCVADASY	SYMBOLIC ASID QUALIFIERS SPECIFIED
		.111 1111		*	RESERVED
4	(4)	CHARACTER	4	SCVADACS	LABEL TO CS UNAVAIL COUNT
4	(4)	ADDRESS	2	SCVADANO	NUMBER OF ELEMENTS
6	(6)	ADDRESS	2	SCVADAUN	DATA UNAVAIL COUNT
8	(8)	CHARACTER	4	SCVADACS1	
8	(8)	UNSIGNED	2	SCVADAERRORBADTRIPLETNUMBER	For data refresh indicates the number of the triplet causing the error
10	(A)	CHARACTER	1	SCVADAERROR	Indicates what is wrong with triplet
		1...		SCVADAERRORFIRSTOPERAND	Error occured on first operand
		.1..		SCVADAERRORASIDINACTIVE	Asid qualifier was inactive
		..1.		SCVADAERRORDATAINACCESSIBLE	Data was paged out or space was swapped out
		...1		SCVADAERRORDATAWRITEPROTECTED	Storage to refresh was write protected
11	(B)	UNSIGNED	1	SCVADATX	Code in IEAVTSL3 depends on this being the low byte of the CS word. Do not move unless you change IEAVTSL3 too
12	(C)	CHARACTER	*	SCVADAD	DATA -SEE SCVADAEX, SCVAIND, AND SVCADA

Table 48. Structure SCVADAEX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	2	SCVADAEX	DATA EXPRESSION ID

Table 48. Structure SCVADAEX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	CHARACTER	1	SCVADAEI	ID DEFINING PARTS IN DATA (LEFT PAREN, RIGHT PAREN, OR, AND, TRIPLETS)
1	(1)	BITSTRING	1	SCVADAF2	FLAGS
		1...		SCVADAIM	IMPLICIT CHARACTER
		.1..		SCVADASM	SYMBOLIC AND/OR
		..11 1111		*	RESERVED

Table 49. Structure SCVADA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	18	SCVADA	OPERATOR AND VALUE PART OF SCVADATA The boundary specification causes the compiler to think that the value and valuemask fields are word-aligned (they might or might not actually be) and that results in better code being generated.
0	(0)	CHARACTER	1	SCVADAOP	OPERATOR SPEC
		1...		SCVADAN	NOT IND
		.1..		SCVADAEQ	EQUAL IND
		..1.		SCVADAGT	GREATER THAN IND
		...1		SCVADALT	LESS THAN IND
		.... 1...		SCVADAB	BINARY COMPARE
		.... .1..		SCVADACC	CONTENTS COMPARE
		.... ..1.		SCVADAAD	ADDRESS COMPARE
		1		SCVADAG64	64-bit GPR
1	(1)	UNSIGNED	1	SCVADAVL	LENGTH IN NUMBER OF BYTES TO BE COMPARED
2	(2)	CHARACTER	8	SCVADAVM8	VALUE MASK
2	(2)	CHARACTER	4	SCVADAVMZEROES	Zeroes when 4-byte
6	(6)	CHARACTER	4	SCVADAVM	VALUE MASK
10	(A)	CHARACTER	8	SCVADAV8	VALUE SPEC
10	(A)	CHARACTER	4	SCVADAVZEROES	Zeroes when 4-byte
14	(E)	CHARACTER	4	SCVADAV	VALUE SPEC

Table 50. Structure SCVATRD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVATRD	TRDATA ENTRY
0	(0)	CHARACTER	8	SCVATDHD	ENTRY HEADER
0	(0)	SIGNED	2	SCVATDLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVATDID	ENTRY ID
3	(3)	BITSTRING	1	SCVATDB	TRDATA FLAGS
		1...		SCVATDST	STD SPEC
		.1..		SCVATDRG	REGS SPEC
		..1.		SCVATDAD	ADDRESS LIST SPEC
		...1		SCVATDSY	SYMBOLIC ASID QUALIFIERS SPECIFIED

Table 50. Structure SCVATRD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
	 1111			*	RESERVED
4	(4)	SIGNED	2	SCVATDNO	NUMBER OF ELEMENTS
6	(6)	CHARACTER	2	*	RESERVED
8	(8)	CHARACTER	*	SCVATDD	DATA -SEE SCVAIND

Table 51. Structure SCVADMP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	708	SCVADMP	DUMP ID ENTRY
0	(0)	CHARACTER	4	SCVADPHR	ENTRY HEADER
0	(0)	SIGNED	2	SCVADPLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVADPID	ENTRY ID
3	(3)	CHARACTER	1	SCVADPLK	DUMP LIST LOCK
4	(4)	ADDRESS	4	SCVADPTEXTPTR	Pointer to the Slip text buffer
8	(8)	CHARACTER	88	SCVADMTL	DUMP TITLE & ID
8	(8)	UNSIGNED	1	SCVADPTH	LENGTH OF DUMP TITLE PLUS TRAP ID + Trap description
9	(9)	CHARACTER	13	SCVADPVA	DUMP TITLE
22	(16)	CHARACTER	4	SCVADPD	TRAP ID
26	(1A)	CHARACTER	2	SCVADPTDC	a connector before the desc - comma + blank
28	(1C)	CHARACTER	65	SCVADPTD	Trap desc
93	(5D)	CHARACTER	3	*	ensure alignment
96	(60)	CHARACTER	400	SCVADPLS	DUMP LIST, USED TO PASS TIME OF ERROR/INTERRUPT INFO TO SDUMP, SERIALIZED BY SCVADPLK. See also SCVADPG6. Also mapped by PRDSLIP. Also mapped by RTSDSLRP.
96	(60)	CHARACTER	8	SCVADPSW	PSW
96	(60)	CHARACTER	4	SCVADPSL	LEFT HALF OF PSW
100	(64)	CHARACTER	4	SCVADPSR	RIGHT HALF OF PSW
104	(68)	CHARACTER	8	SCVADPBEA	Breaking Event Addr (BEAR)
112	(70)	CHARACTER	64	SCVADPGR	REGISTERS 0-15
176	(B0)	CHARACTER	64	SCVADPAR	ARS 0-15
240	(F0)	CHARACTER	16	SCVADPXM	XM INFO (CRs 3/4)
256	(100)	CHARACTER	16	SCVADPSW16	16-byte PSW
272	(110)	CHARACTER	32	*	Reserved
304	(130)	CHARACTER	192	SCVADPESAME	ESAME stuff
304	(130)	CHARACTER	64	SCVADPG6	High halves of GPRs
368	(170)	CHARACTER	128	SCVADPC64S	ESAME CRs
Currently 184 byte out of the 200 are used					
496	(1F0)	CHARACTER	200	SCVADPSDPL	LENGTH OF SDUMP PLIST
696	(2B8)	ADDRESS	4	SCVADITOKENPTR	Address of the incident token area
700	(2BC)	ADDRESS	4	SCVADJOBLISTPTR	Pointer to the joblist
704	(2C0)	CHARACTER	4	SCVADPLISTDA	AREA FOR LISTD ENTRY
704	(2C0)	CHARACTER	4	SCVADPLISTDHDR	HEADER FOR LISTD

Table 52. Structure SCVAMSGID

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	SCVAMSGID	MSGID entry
0	(0)	CHARACTER	4	SCVAMSGIDHD	
0	(0)	SIGNED	2	SCVAMSGIDLN	Entry length
2	(2)	UNSIGNED	1	SCVAMSGIDID	Entry id
3	(3)	CHARACTER	1	SCVAMSGIDFLGS	Flags
		1...		SCVAMSGIDQUOTED	Quotes were used
4	(4)	UNSIGNED	2	SCVAMSGIDTEXTLENGTH	Length of the msgid
6	(6)	CHARACTER	10	SCVAMSGIDTEXT	Msg id to match on

Table 53. Structure SCVAAEXIT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE IsA(TSCVAEXIT)	16	SCVAAEXIT	
0	(0)	CHARACTER	3	SCVAEXITHD	
0	(0)	SIGNED	2	SCVAEXITLN	
2	(2)	UNSIGNED	1	SCVAEXITID	
3	(3)	CHARACTER	1	*	
4	(4)	CHARACTER	8	SCVAEXITNAME	
12	(C)	ADDRESS	4	SCVAEXITADDR	User Exit Type

Table 54. Structure SCVATEXIT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE IsA(TSCVAEXIT)	16	SCVATEXIT	
0	(0)	CHARACTER	3	SCVAEXITHD	
0	(0)	SIGNED	2	SCVAEXITLN	
2	(2)	UNSIGNED	1	SCVAEXITID	
3	(3)	CHARACTER	1	*	
4	(4)	CHARACTER	8	SCVAEXITNAME	
12	(C)	ADDRESS	4	SCVAEXITADDR	User Exit Type

Table 55. Structure SCVASTRLIST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVASTRLIST	Strlist entry
0	(0)	CHARACTER	8	SCVASTRLISTHD	Entry header
0	(0)	SIGNED	2	SCVASTRLISTLN	Entry length
2	(2)	UNSIGNED	1	SCVASTRLISTID	Entry id
3	(3)	CHARACTER	1	*	Unused
4	(4)	SIGNED	4	SCVASPRSSTRLLEN	SprsStrl length
8	(8)	CHARACTER	*	SCVASPRSSTRL	Buffer for the formatted Strlist (SprsStrl)

SCVA mapping

Table 56. Structure SCVAJL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVAJL	Joblist entry
0	(0)	CHARACTER	4	SCVAJLHD	Entry header
0	(0)	SIGNED	2	SCVAJLLN	Entry length
2	(2)	UNSIGNED	1	SCVAJLID	Entry id
3	(3)	CHARACTER	1	*	unused (bdy align)
4	(4)	CHARACTER	*	SCVAJLPLIST	joblist
4	(4)	SIGNED	4	SCVAJLPLLEN	plist length
8	(8)	CHARACTER	8	SCVAJLENTRY(*)	job/stid entries
8	(8)	CHARACTER	8	SCVAJLJOB	jobname

Table 57. Structure SCVAREMSTRLIST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVAREMSTRLIST	Remote Strlist entry
0	(0)	CHARACTER	8	SCVAREMSTRLISTHD	Entry header
0	(0)	SIGNED	2	SCVAREMSTRLLN	Entry length
2	(2)	UNSIGNED	1	SCVAREMSTRLID	Entry id
3	(3)	CHARACTER	1	*	Unused
4	(4)	SIGNED	4	SCVAREMSPRSSTRLLEN	SprsStrl length
8	(8)	CHARACTER	*	SCVAREMSPRSSTRL	Buffer for the formatted Strlist (SprsStrl)

Table 58. Structure SCVAREMOTE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVAREMOTE	Remote Entry
0	(0)	CHARACTER	8	SCVAREMOTEHD	Entry Header
0	(0)	SIGNED	2	SCVAREMOTELN	Entry length
2	(2)	UNSIGNED	1	SCVAREMOTEID	Entry ID
3	(3)	CHARACTER	1	*	Reserved
4	(4)	SIGNED	2	SCVAREMOTE#	Number of elements
6	(6)	BITSTRING	1	*	Flags
		1...		SCVAREMOTECOND	Conditional Remote
7	(7)	CHARACTER	1	*	Reserved
8	(8)	CHARACTER	*	SCVAREMOTEINFO	Data -- See ScvaRemoteEntry

Table 59. Structure SCVAREMOTEENTRY

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	SCVAREMOTEENTRY	Expression ID
0	(0)	UNSIGNED	1	SCVAREMOTEENTRYID	ID defining part of data
1	(1)	UNSIGNED	1	SCVAREMOTEENTRYKEYVAL	When not 0, indicates a key that matches the base.
2	(2)	CHARACTER	2	*	Reserved for alignment
4	(4)	CHARACTER	0	*	

Table 60. Structure SCVASYSLIST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVASYSLIST	
0	(0)	CHARACTER	4	SCVASYSLHD	HEADER
0	(0)	SIGNED	2	SCVASYSLLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVASYSLID	ENTRY ID
3	(3)	UNSIGNED	1	SCVASYSL#	Number of Systems
4	(4)	CHARACTER	768	SCVASYSLSYSTEMS	System Name
4	(4)	CHARACTER	24	SCVASYSLSYS(32)	System Name
4	(4)	CHARACTER	8	SCVASYSLSYSNAME	System name
4	(4)	CHARACTER	8	SCVASYSLGRPNAME	Group name
12	(C)	CHARACTER	16	SCVASYSLMEMNAME	Member name or "*"
12	(C)	CHARACTER	4	SCVASYSLISADDR	Flag to indicate that this entry has an address string, not a system, group, or member name
16	(10)	CHARACTER	4	SCVASYSLADDRSTR	Address of the system name address string
20	(14)	CHARACTER	8	*	
772	(304)	CHARACTER	*	SCVASYSLADDRS	Start of the system name address strings - see ScvasysListAddress

Table 61. Structure SCVASYSLISTADDRESS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVASYSLISTADDRESS	Maps one system name address string (this mapping must remain compatible with the output of AdrPairs()
0	(0)	CHARACTER	4	SCVASYSLADDRHD	
0	(0)	CHARACTER	4	*	Used by AdrPairs, can be reused when trap matches
4	(4)	SIGNED	2	SCVASYSLADDRLEN	Length of the address tokens
6	(6)	CHARACTER	*	SCVASYSLADDRDATA	The address tokens
6	(6)	CHARACTER	1	*	Reserved, see above
7	(7)	CHARACTER	*	SCVASYSLADDR	Tokens start here

Table 62. Structure SCVAREMIDGROUP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SCVAREMIDGROUP	Remote deactivation via id group
0	(0)	CHARACTER	20	SCVAREMIDGROUPHD	Entry header
0	(0)	SIGNED	2	SCVAREMIDGROUPLEN	Entry length
2	(2)	UNSIGNED	1	SCVAREMIDGROUPID	Entry id
3	(3)	CHARACTER	1	*	Unused
4	(4)	CHARACTER	16	SCVAREMIDGROUPVAL	Value

Table 63. Structure SCVAREMSDUMPTOKEN

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	36	SCVAREMSDUMPTOKEN	Sdump token
0	(0)	CHARACTER	36	SCVAREMSDUMPTOKENHD	Entry header
0	(0)	SIGNED	2	SCVAREMSDUMPTOKENLEN	Entry length

Table 63. Structure SCVAREMSDUMPTOKEN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	UNSIGNED	1	SCVAREMSDUMPTOKENID	Entry id
3	(3)	CHARACTER	1	*	Unused
4	(4)	CHARACTER	32	SCVAREMSDUMPTOKENVAL	Token value

Table 64. Structure SCVAWORK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	128	SCVAWORK	
0	(0)	CHARACTER	4	SCVAWORKHD	HEADER
0	(0)	SIGNED	2	SCVAWORKLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAWORKID	ENTRY ID
3	(3)	UNSIGNED	1	SCVAWORK#	Number of Jobs
4	(4)	CHARACTER	124	SCVAWORKENTRIES	Job name (max=15)
4	(4)	CHARACTER	4	SCVAWORKJFIXED	Non-variable part
4	(4)	SIGNED	2	SCVAWORKJKEY	Indicates job
6	(6)	SIGNED	2	SCVAWORKJLN	Indicates job
8	(8)	CHARACTER	8	SCVAWORKJ(15)	Job name (max=15)
8	(8)	CHARACTER	8	SCVAWORKJOB	Job name
		Note - if further qualifiers are added to ScvaWorkEntries, they should be in the format: halfword key, halfword length, array(15). (Start a new level 4, not in level 5 of the preceding structure).			
128	(80)	CHARACTER	0	*	

Table 65. Structure SCVAACTION

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	SCVAACTION	
0	(0)	CHARACTER	4	SCVAACTHD	HEADER
0	(0)	SIGNED	2	SCVAACTLN	ENTRY LENGTH
2	(2)	UNSIGNED	1	SCVAACTID	ENTRY ID
3	(3)	CHARACTER	1	*	Reserved
4	(4)	CHARACTER	2	SCVAACTIONS	Actions
4	(4)	BITSTRING	1	SCVAACTION1	Actions
		1...		SCVAACTSVCD	Action=Svcd
		.1..		SCVAACTWAIT	Action=Wait
5	(5)	BITSTRING	1	SCVAACTION2	Actions
5	(5)	BITSTRING	1	*	Reserved
6	(6)	CHARACTER	2	*	Reserved

Table 66. Structure SCVAGTFID

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVAGTFID	
0	(0)	CHARACTER	4	SCVAGTFIDHD	Header
0	(0)	SIGNED	2	SCVAGTFIDLN	Entry length
2	(2)	UNSIGNED	1	SCVAGTFIDID	Entry id
3	(3)	CHARACTER	1	*	Reserved

Table 66. Structure SCVAGTFID (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	CHARACTER	*	SCVAGTFIDDATA	Data - this part is passed to GTF
4	(4)	SIGNED	4	SCVAGTFIDNO	Number of Ids
8	(8)	CHARACTER	8	SCVAGTFIDENTRY(*)	The actual IDs

Table 67. Structure SCVAAPARM1

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVAAPARM1	
0	(0)	CHARACTER	8	SCVAAPARM1HDR	Header
0	(0)	SIGNED	2	SCVAAPARM1LN	Entry length
2	(2)	UNSIGNED	1	SCVAAPARM1ID	Entry id
3	(3)	BITSTRING	1	SCVAAPARM1FLGS	flags
		1...		SCVAAPARM1SY	Symbolic asid qualifier
4	(4)	SIGNED	2	SCVAAPARM1NO	number of addresses in entry one for APARM1
6	(6)	CHARACTER	2	*	Reserved
8	(8)	CHARACTER	*	SCVAAPARM1AD	Address mapping

Table 68. Structure SCVADESC

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVADESC	
0	(0)	CHARACTER	4	SCVADESCHD	Header
0	(0)	SIGNED	2	SCVADESCLN	Entry length
2	(2)	UNSIGNED	1	SCVADESCID	Entry id
3	(3)	UNSIGNED	1	SCVADESCUSEDLN	Used length
4	(4)	CHARACTER	*	SCVADESCTEXT	DESC

Table 69. Structure SCVACMD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SCVACMD	
0	(0)	CHARACTER	4	SCVACMDHDR	Header
0	(0)	SIGNED	2	SCVACMDLN	Entry length
2	(2)	UNSIGNED	1	SCVACMDID	Entry id
3	(3)	UNSIGNED	1	SCVACMDNUM	Number of Commands
4	(4)	CHARACTER	108	SCVACMDINFO	Saved info for a=CMD
4	(4)	UNSIGNED	4	SCVACMDCONSIDISSUER	console id of Invoker
8	(8)	UNSIGNED	4	SCVACMDCONSIDTARGET	Target console ID
12	(C)	CHARACTER	80	SCVACMDUTOKEN	User Token of Issuer
92	(5C)	CHARACTER	8	SCVACMDCART	cmd and response token
100	(64)	CHARACTER	8	SCVACMDSYS	Invoking system
108	(6C)	CHARACTER	2	SCVACMDAUTH	Cmd Auth settings
110	(6E)	CHARACTER	1	SCVACMDDISP	Cmd Disp settings
111	(6F)	CHARACTER	1	*	Boundary align
112	(70)	CHARACTER	128	SCVACMDE(*)	Command entry
112	(70)	UNSIGNED	2	SCVACMDELN	Command length
114	(72)	CHARACTER	126	SCVACMDETXT	Command text

SCVA mapping

Table 70. Constants for SCVA

Len	Type	Value	Name	Description
4	DECIMAL	0	SCVASACU	SYMBOLIC ASID -- CURRENT
4	DECIMAL	1	SCVASAP	SYMBOLIC ASID -- PRIMARY
4	DECIMAL	2	SCVASAS	SYMBOLIC ASID -- SECONDARY
4	DECIMAL	3	SCVASAH	SYMBOLIC ASID -- HOME
4	DECIMAL	4	SCVASAXP	SYMBOLIC ASID -- EXPLICIT
4	DECIMAL	5	SCVASALL	SYMBOLIC ASID -- LOC LOCK
4	DECIMAL	6	SCVASAI	SYMBOLIC ASID -- I(NSTR)
4	DECIMAL	7	SCVASASA	SYMBOLIC ASID -- SA
4	DECIMAL	8	SCVAJOBNAMESPECIFIED	Jobname specified
4	DECIMAL	8	SCVASAMX	MAXIMUM SYMBOLIC VALUE
0	BIT	00	SCVAASCP	ASC-PRIMARY MODE
0	BIT	01	SCVAASCA	ASC-AR MODE
0	BIT	10	SCVAASCS	ASC-SECONDARY MODE
0	BIT	11	SCVAASCH	ASC-HOME MODE
1	DECIMAL	1	SCVAINE	END INDICATOR, CONSISTS ONLY OF ID
1	DECIMAL	2	SCVAINSL	STORAGE LOCATION, ID IS FOLLOWED BY A 4 BYTE HEX ADDRESS
1	DECIMAL	3	SCVAINDS	DISPLACEMENT (+ OR -), ID IS FOLLOWED BY A 2 BYTE HEX DISPLACEMENT (TWOS COMPLEMENT IF NEGATIVE)
1	DECIMAL	4	SCVAININ	24 BIT ADDRESSING MODE INDIRECTION (%), CONSISTS ONLY OF ID
1	DECIMAL	4	SCVAIN24	
1	DECIMAL	5	SCVAINRG	REGISTER, ID IS FOLLOWED BY A 1 BYTE HEX REGISTER NUMBER
1	DECIMAL	6	SCVAINQL	ADDRESS QUALIFIER, ID IS FOLLOWED BY A 1 BYTE ID(0-4) AND A 2 BYTE ASID. THE CODE FOR THE QUALIFIER IS CURRENT=00 PASID=01 SASID=02 HOME=03 OTHER=04 LLOC=05. IF the id equals ScvaJobnameSpecified then a jobname follows
1	DECIMAL	7	SCVAIN31	31 BIT ADDRESSING MODE INDIRECTION (?), CONSISTS ONLY OF ID
1	DECIMAL	8	SCVAING64	64-bit GPR. ID is followed by a one-byte hex register numer
1	DECIMAL	9	SCVAIN64	64 BIT ADDRESSING MODE INDIRECTION (!), CONSISTS ONLY OF ID
1	DECIMAL	10	SCVAINSL64	64 bit address element
1	DECIMAL	11	SCVAINBEA	Breaking Event Address
1	DECIMAL	12	SCVAINBPER	Beginning PER range
1	DECIMAL	12	SCVAINMAX	Maximum value, for arrays in IEAVTADR
4	DECIMAL	1	SCVADALP	LEFT PAREN IN DATA, THIS SCVADAEX IS FOLLOWED BY ANOTHER SCVADAEX
4	DECIMAL	2	SCVADARP	RIGHT PAREN IN DATA, THIS SCVADAEX IS FOLLOWED BY ANOTHER SCVADAEX

Table 70. Constants for SCVA (continued)

Len	Type	Value	Name	Description
4	DECIMAL	3	SCVADAOR	OR IN DATA, THIS SCVADAEX IS FOLLOWED BY ANOTHER SCVADAEX
4	DECIMAL	4	SCVADAND	AND IN DATA, THIS SCVADAEX IS FOLLOWED BY ANOTHER SCVADAEX
4	DECIMAL	5	SCVADAIT	TRIPLET IN DATA, THIS SCVADAEX IS FOLLOWED BY SCVAIND AND SCVADA WHICH DEFINE THE TRIPLET
4	HEX	00020002	REMOTECOMPONENTTOKEN	Token used to identify SLIP to XCF
4	DECIMAL	0	SCVAREMOTEENTRYEND	End of list
4	DECIMAL	1	SCVAREMOTEENTRYLP	Left Paren
4	DECIMAL	2	SCVAREMOTEENTRYRP	Right Paren
4	DECIMAL	3	SCVAREMOTEENTRYKEY	Some other keyword
4	DECIMAL	1	SCVAREMOTEKEYACTION	
4	DECIMAL	2	SCVAREMOTEKEYASIDLST	
4	DECIMAL	3	SCVAREMOTEKEYDSPNAME	
4	DECIMAL	4	SCVAREMOTEKEYJOBLIST	
4	DECIMAL	1	SCVAREMOTEKEYWORKJOB	
4	DECIMAL	5	SCVAREMOTEKEYLIST	Note that this must not have a value of 16, as that would match SumList
4	DECIMAL	6	SCVAREMOTEKEYSDATA	
4	DECIMAL	7	SCVAREMOTEKEYSYSLIST	
4	DECIMAL	8	SCVAREMOTEKEYASIDLSTCOPY	
4	DECIMAL	9	SCVAREMOTEKEYDSPNAMECOPY	
4	DECIMAL	10	SCVAREMOTEKEYLISTCOPY	
4	DECIMAL	11	SCVAREMOTEKEYSDATACOPY	
4	DECIMAL	12	SCVAREMOTEKEYSTRLIST	Strlist=
4	DECIMAL	13	SCVAREMOTEKEYSTRLISTCOPY	Strlist
4	DECIMAL	14	SCVAREMOTEKEYJOBLISTCOPY	Copy the local Joblist parm
4	DECIMAL	15	SCVAREMOTEKEYIDGROUP	Group id key
4	DECIMAL	16	SCVAREMOTEKEYLISTJOBNAME	Same as ScvaRemoteKeyList except that the addresses are jobnames qualified - this is required because downlevel systems cannot handle jobname qualification
4	DECIMAL	17	SCVAREMOTEKEYINCIDENTTOKEN	Dump incident token key
4	DECIMAL	18	SCVAREMOTEKEYDSPNAMEJOBNAME	Same as ScvaRemoteKeyDspname except that the addresses are jobname qualified - this is required because downlevel systems cannot handle jobname qualification
4	DECIMAL	18	SCVAMAXREMOTEKEY	
4	DECIMAL	254	SCVAREMOTEKEYCOND	
4	DECIMAL	255	SCVAREMOTEKEYUNCOND	
4	DECIMAL	1	SCVASYSLSYSTEMISADDR	When ScvaSyslIsAddr equals this value, then the system name is stored at a location whose address is to be resolved at match time
4	DECIMAL	32	SCVAMAXSYS	Maximum number of systems in a sysplex
4	DECIMAL	16	SCVAMAXDSSA	Maximum number of entries in a DSSA list

Table 70. Constants for SCVA (continued)

Len	Type	Value	Name	Description
1	DECIMAL	1	SCVAIDL	LAST ENTRY ID
1	DECIMAL	2	SCVAIDCC	COMP ENTRY ID
1	DECIMAL	3	SCVAIDAS	ASID ENTRY ID
1	DECIMAL	4	SCVAIDJN	JOBNAME ID
1	DECIMAL	5	SCVAIDJS	JSPGM ID
1	DECIMAL	6	SCVAIDPV	PVTMOD ID
1	DECIMAL	7	SCVAIDLP	LPAMOD ID
1	DECIMAL	8	SCVAIDAD	ADDRESS ID
1	DECIMAL	9	SCVAIDMD	MODE ID
1	DECIMAL	10	SCVAIDER	ERRTYP ID
1	DECIMAL	11	SCVAIDML	MATCHLIM ID
1	DECIMAL	12	SCVAIDPL	PRCNTLIM ID
1	DECIMAL	13	SCVAIDRA	RANGE ID
1	DECIMAL	14	SCVAIDDA	DATA ID
1	DECIMAL	15	SCVAIDSD	SDATA ID
1	DECIMAL	16	SCVAIDSL	SUMLIST ID
1	DECIMAL	17	SCVAIDLS	LIST ID
1	DECIMAL	18	SCVAIDAL	ASIDLST ID
1	DECIMAL	19	SCVAIDTD	TRDATA ID
1	DECIMAL	20	SCVAIDSA	ASIDSA ID
1	DECIMAL	21	SCVAIDDP	DUMPID ID
1	DECIMAL	22	SCVAIDRC	REASON CODE ID
1	DECIMAL	23	SCVAIDNU	NUCMOD ID
1	DECIMAL	24	SCVAIDPA	PSWASC ID
1	DECIMAL	25	SCVAIDDN	DSPNAME ID
1	DECIMAL	26	SCVAIDDS	DSSA ID
1	DECIMAL	27	SCVAIDREMOTE	Remote ID
1	DECIMAL	28	SCVAIDST	Strlist ID
1	DECIMAL	29	SCVAIDJL	Joblist ID
1	DECIMAL	30	SCVAIDREFBEFOR	Refresh before id
1	DECIMAL	31	SCVAIDREFAFTER	Refresh after id
1	DECIMAL	32	SCVAIDMSG	MSGID ID
1	DECIMAL	33	SCVAIDGTFID	GTFID ID
1	DECIMAL	34	SCVAIDSTD	STDATA ID
1	DECIMAL	35	SCVAIDAEXIT	Aexit index
1	DECIMAL	36	SCVAIDTEXIT	Texit index
1	DECIMAL	37	SCVAIDAPARM1	AParm1 index
1	DECIMAL	38	SCVAIDDESC	Dump Description
1	DECIMAL	39	SCVAIDCMD	CMD id
1	DECIMAL	39	SCVAIDMX	MAXIMUM ID
6	CHARACTER	*RC=4*	SCVAXXM4	ADDRESS NOT RESOLVED
7	CHARACTER	*A1>A2*	SCVAXXAE	FIRST ADDRESS IS GREATER THAN THE SECOND ADDRESS OF A PAIR
7	CHARACTER	*RB UN*	SCVAXXM1	RB LEVEL SPECIFIED IS UNAVAILABLE
9	CHARACTER	*ASID UN*	SCVAXXM2	ASID IS UNAVAILABLE
4	DECIMAL	10	SCVAMSGIDMAXLENGTH	Maximum allowable msgid length
4	DECIMAL	8	SCVAUSEREXITMAXLENGTH	Maximum length allowed for exit name
4	DECIMAL	0	STRLISTSUBPOOL	Subpool used to create the SprsStrl

Table 70. Constants for SCVA (continued)

Len	Type	Value	Name	Description
4	DECIMAL	1024	STRLISTBUFADJ	Amount of storage to increase the new input buffer (SprsBufr) by
13	CHARACTER	SLIP DUMP ID=	DUMPIDMG	default Title beginning
2	CHARACTER	,	DESCCONC	connector before desc
4	DECIMAL	65	DESCTEXTMAXLEN	Max Description length
4	DECIMAL	2	DESCTEXTCONLEN	Connector length
4	DECIMAL	68	DESCTEXTMAXLENW	
4	DECIMAL	8	CMDMAXNUM	Max of 8 commands

Table 71. Cross Reference for SCVA

Name	Offset	Hex Tag
SCVA	0	
SCVAACTHD	0	
SCVAACTID	2	
SCVAACTION	0	
SCVAACTIONS	4	
SCVAACTION1	4	
SCVAACTION2	5	
SCVAACTLN	0	
SCVAACTSVCD	4	80
SCVAACTWAIT	4	40
SCVAADD	4	
SCVAADDR	0	
SCVAADD1	4	
SCVAADD1HIGH	4	
SCVAADD1LOW	8	
SCVAADD2	C	
SCVAADD2HIGH	C	
SCVAADD2LOW	10	
SCVAADID	2	
SCVAADLN	0	
SCVAAEXIT	0	
SCVAAFLG	3	
SCVAAPARM1	0	
SCVAAPARM1AD	8	
SCVAAPARM1FLGS	3	
SCVAAPARM1HDR	0	
SCVAAPARM1ID	2	
SCVAAPARM1LN	0	
SCVAAPARM1NO	4	
SCVAAPARM1SY	3	80
SCVAAS	0	
SCVAASD	4	
SCVAASHD	0	
SCVAASID	2	
SCVAASLN	0	
SCVAASNO	3	
SCVACBID	0	

Table 71. Cross Reference for SCVA (continued)

Name	Offset	Hex Tag
SCVACCB	3	
SCVACCD	7	
SCVACCID	2	
SCVACCLN	0	
SCVACCM	4	
SCVACCU	3	80
SCVACMD	0	
SCVACMDAUTH	6C	
SCVACMDCART	5C	
SCVACMDCONSIDISSUER	4	
SCVACMDCONSIDTARGET	8	
SCVACMDDISP	6E	
SCVACMDE	70	
SCVACMDELN	70	
SCVACMDETXT	72	
SCVACMDHDR	0	
SCVACMDID	2	
SCVACMDINFO	4	
SCVACMDLN	0	
SCVACMDNUM	3	
SCVACMDSYS	64	
SCVACMDUTOKEN	C	
SCVACOID	2	
SCVACOLN	0	
SCVACOM	0	
SCVACOMP	0	
SCVADA	0	
SCVADAAD	0	02
SCVADAB	0	08
SCVADACC	0	04
SCVADACS	4	
SCVADACS1	8	
SCVADAD	C	
SCVADAEI	0	
SCVADAEQ	0	40
SCVADAERROR	A	
SCVADAERRORASIDINACTIVE	A	40
SCVADAERRORBADTRIPLETNUMBER	8	
SCVADAERRORDATAINACCESSIBLE	A	20
SCVADAERRORDATAWRITEPROTECTED	A	10
SCVADAERRORFIRSTOPERAND	A	80
SCVADAEX	0	
SCVADAFL	3	
SCVADAF2	1	
SCVADAGT	0	20
SCVADAG64	0	01
SCVADAHD	0	
SCVADAID	2	
SCVADAIM	1	80

Table 71. Cross Reference for SCVA (continued)

Name	Offset	Hex Tag
SCVADALN	0	
SCVADALT	0	10
SCVADAN	0	80
SCVADANO	4	
SCVADAOP	0	
SCVADASM	1	40
SCVADASY	3	80
SCVADATA	0	
SCVADATX	B	
SCVADAUN	6	
SCVADAV	E	
SCVADAVL	1	
SCVADAVM	6	
SCVADAVMZEROES	2	
SCVADAVM8	2	
SCVADAVZEROES	A	
SCVADAV8	A	
SCVADESC	0	
SCVADESCHD	0	
SCVADESCID	2	
SCVADESCLN	0	
SCVADESCTEXT	4	
SCVADESCUSEDLN	3	
SCVADITOKENPTR	2B8	
SCVADJOBLISTPTR	2BC	
SCVADMP	0	
SCVADMTL	8	
SCVADNA	C	
SCVADNAS	1	
SCVADNCS	0	
SCVADNFL	9	
SCVADNHD	0	
SCVADNID	2	
SCVADNJOBNAME	1	
SCVADNL	0	
SCVADNLN	0	
SCVADNNM	9	
SCVADNNO	8	
SCVADNP1	4	
SCVADNSA	0	
SCVADNSY	9	80
SCVADNT1	0	
SCVADPAR	B0	
SCVADPBEA	68	
SCVADPC64S	170	
SCVADPD	16	
SCVADPESAME	130	
SCVADPGR	70	
SCVADPG6	130	

Table 71. Cross Reference for SCVA (continued)

Name	Offset	Hex Tag
SCVADPHR	0	
SCVADPID	2	
SCVADPLISTDA	2C0	
SCVADPLISTDHDR	2C0	
SCVADPLK	3	
SCVADPLN	0	
SCVADPLS	60	
SCVADPSDPL	1F0	
SCVADPSL	60	
SCVADPSR	64	
SCVADPSW	60	
SCVADPSW16	100	
SCVADPTD	1C	
SCVADPTDC	1A	
SCVADPTEXTPTR	4	
SCVADPTH	8	
SCVADPVA	9	
SCVADPXM	F0	
SCVADSA	9	
SCVADSAN	9	
SCVADSD	8	
SCVADSFL	4	
SCVADSHD	0	
SCVADSID	2	
SCVADSJOBNAME	9	
SCVADSLN	0	
SCVADSN	11	
SCVADSNO	3	
SCVADSPLIST	0	
SCVADSPLISTANENTRY	0	
SCVADSPLISTASID	6	
SCVADSPLISTENTRY	4	
SCVADSPLISTHEADER	0	
SCVADSPLISTJOBNAME	0	
SCVADSPLISTNAME	8	
SCVADSS	8	
SCVADSSA	0	
SCVADSSY	4	80
SCVAEABN	3	10
SCVAEDAT	3	02
SCVAEMCH	3	80
SCVAEMEM	3	08
SCVAEPIO	3	01
SCVAEPRG	3	40
SCVAERFL	3	
SCVAERFL1	4	
SCVAERID	2	
SCVAERLN	0	
SCVAERRT	0	

Table 71. Cross Reference for SCVA (continued)

Name	Offset	Hex Tag
SCVAERST	3	20
SCVAESVC	3	04
SCVAETXPROG	4	80
SCVAEXITADDR	C	
SCVAEXITADDR	C	
SCVAEXITHD	0	
SCVAEXITHD	0	
SCVAEXITID	2	
SCVAEXITID	2	
SCVAEXITLN	0	
SCVAEXITLN	0	
SCVAEXITNAME	4	
SCVAEXITNAME	4	
SCVAGTFID	0	
SCVAGTFIDDATA	4	
SCVAGTFIDENTRY	8	
SCVAGTFIDHD	0	
SCVAGTFIDID	2	
SCVAGTFIDLN	0	
SCVAGTFIDNO	4	
SCVAHCAS	7	20
SCVAHCNO	7	10
SCVAHCSY	7	08
SCVAHDR	0	
SCVAINAD	1	
SCVAIND	0	
SCVAINDL	0	
SCVAINID	0	
SCVAJL	0	
SCVAJLENTRY	8	
SCVAJLHD	0	
SCVAJLID	2	
SCVAJLJOB	8	
SCVAJLLN	0	
SCVAJLPLIST	4	
SCVAJLPLLEN	4	
SCVAJND	4	
SCVAJNID	2	
SCVAJNLN	0	
SCVAJOBN	0	
SCVALDCNT	8	
SCVALDENDHIGH	14	
SCVALDENDLOW	18	
SCVALDEND64	14	
SCVALDSTKN	0	
SCVALDSTRTHIGH	C	
SCVALDSTRTLOW	10	
SCVALDSTRT64	C	
SCVALD64	0	

Table 71. Cross Reference for SCVA (continued)

Name	Offset	Hex Tag
SCVALD64ADDRESSPAIRS	C	
SCVALD64ENTRYHEADER	0	
SCVALD64HEADER	0	
SCVALD64HEADERTOTALLENGTH	0	
SCVALIST	0	
SCVALISTADS	0	
SCVALISTAD1HIGH	0	
SCVALISTAD1LOW	4	
SCVALISTAD164	0	
SCVALISTAD2HIGH	8	
SCVALISTAD2LOW	C	
SCVALISTAD264	8	
SCVALISTDEND	1C	
SCVALN	4	
SCVALSAE	D	
SCVALSCS	0	
SCVALSD	30	
SCVALSDWAP	28	
SCVALSESAMEREQUIRED	6	40
SCVALSFL	6	
SCVALSHD	0	
SCVALSID	2	
SCVALSLN	0	
SCVALSM1	14	
SCVALSM2	1B	
SCVALSM4	7	
SCVALSNO	4	
SCVALSSYMA	24	
SCVALSYM	6	80
SCVALT	2C	
SCVALTHD	2C	
SCVAMD_DYNLPA	1C	
SCVAMD_POSIX	1C	
SCVAMDA1	8	
SCVAMDA1_8	4	
SCVAMDA1_8_HIGH	4	
SCVAMDA1A	1C	
SCVAMDA2	10	
SCVAMDA2_8	C	
SCVAMDA2_8_HIGH	C	
SCVAMDA2A	20	
SCVAMDEP	3	80
SCVAMDFIXED	0	
SCVAMDFL	3	
SCVAMDID	2	
SCVAMDIS	4	40
SCVAMDLN	0	
SCVAMDNM	24	
SCVAMDO1	14	

Table 71. Cross Reference for SCVA (continued)

Name	Offset	Hex Tag
SCVAMDO2	18	
SCVAMDPENDING	3	20
SCVAMDPENDING	3	20
SCVAMDPOSIXPATHNAME	24	
SCVAMDPOSIXPATHNAMELENGTH	1C	
SCVAMDPOSIXPATHNAMEUSED	3	40
SCVAMDVARIABLE	24	
SCVAMGL	5	04
SCVAMGSD	4	10
SCVAMGSP	4	20
SCVAMHME	5	01
SCVAMLID	2	
SCVAMLIM	0	
SCVAMLL	4	08
SCVAMLLN	0	
SCVAMLNO	4	
SCVAMLOK	5	02
SCVAMLSP	8	
SCVAMOC	3	
SCVAMOD	0	
SCVAMODE	0	
SCVAMOE	3	80
SCVAMOFL	4	
SCVAMOID	2	
SCVAMOLN	0	
SCVAMO1	4	
SCVAMO2	5	
SCVAMPK	5	08
SCVAMPP	5	40
SCVAMREC	5	80
SCVAMSGID	0	
SCVAMSGIDFLGS	3	
SCVAMSGIDHD	0	
SCVAMSGIDID	2	
SCVAMSGIDLN	0	
SCVAMSGIDQUOTED	3	80
SCVAMSGIDTEXT	6	
SCVAMSGIDTEXTLENGTH	4	
SCVAMSK	5	10
SCVAMSRB	4	02
SCVAMSS	5	20
SCVAMSUP	4	80
SCVAMTCB	4	01
SCVAMT1S	4	04
SCVAPAAR	3	40
SCVAPAFL	3	
SCVAPAH	3	10
SCVAPAID	2	
SCVAPALN	0	

Table 71. Cross Reference for SCVA (continued)

Name	Offset	Hex Tag
SCVAPAP	3	80
SCVAPAS	3	20
SCVAPASC	0	
SCVAPLAC	10	
SCVAPLAL	10	
SCVAPLAR	14	
SCVAPLID	2	
SCVAPLIM	0	
SCVAPLLN	0	
SCVAPLSC	4	
SCVAPLSP	3	
SCVAPLST	8	
SCVAPLTL	8	
SCVAPLTR	C	
SCVAP1	4	
SCVAP2	8	
SCVARANGE	0	
SCVARANGEAD	18	
SCVARANGEEVALUATED	8	
SCVARANGEFL	3	
SCVARANGEHEADER	0	
SCVARANGEID	2	
SCVARANGELN	0	
SCVARANGENO	4	
SCVARANGESAUSED	3	40
SCVARANGESY	3	80
SCVARANGE1	8	
SCVARANGE1HIGH	8	
SCVARANGE1LOW	C	
SCVARANGE2	10	
SCVARANGE2HIGH	10	
SCVARANGE2LOW	14	
SCVARCB	3	
SCVARCID	2	
SCVARCLN	0	
SCVARCM	4	
SCVARCSP	8	
SCVAREAS	0	
SCVAREMIDGROUP	0	
SCVAREMIDGROUPHD	0	
SCVAREMIDGROUPID	2	
SCVAREMIDGROUPLEN	0	
SCVAREMIDGROUPVAL	4	
SCVAREMOTE	0	
SCVAREMOTE#	4	
SCVAREMOTECOND	6	80
SCVAREMOTEENTRY	0	
SCVAREMOTEENTRYID	0	
SCVAREMOTEENTRYKEYVAL	1	

Table 71. Cross Reference for SCVA (continued)

Name	Offset	Hex Tag
SCVAREMOTEHD	0	
SCVAREMOTEID	2	
SCVAREMOTEINFO	8	
SCVAREMOTELN	0	
SCVAREMSDUMPTOKEN	0	
SCVAREMSDUMPTOKENHD	0	
SCVAREMSDUMPTOKENID	2	
SCVAREMSDUMPTOKENLEN	0	
SCVAREMSDUMPTOKENVAL	4	
SCVAREMSPRSSTRL	8	
SCVAREMSPRSSTRLLEN	4	
SCVAREMSTRLID	2	
SCVAREMSTRLIST	0	
SCVAREMSTRLISTHD	0	
SCVAREMSTRLLN	0	
SCVAS	0	
SCVASA	0	
SCVASAD	8	
SCVASAFL	4	
SCVASAHD	0	
SCVASAID	2	
SCVASAJOBNAME	9	
SCVASALN	0	
SCVASANO	3	
SCVASANU	5	02
SCVASAPS	4	80
SCVASASID	1	
SCVASASY	4	80
SCVASCPL	6	10
SCVASCS	0	
SCVASCSA	5	80
SCVASD	E	
SCVASDAT	0	
SCVASDE1	6	
SCVASDFL	4	
SCVASDID	2	
SCVASDLN	0	
SCVASD1	4	
SCVASD2	5	
SCVASD3	7	
SCVASFL	D	
SCVASGRS	6	80
SCVASHD	0	
SCVASID	2	
SCVASLALET	4	
SCVASLCNT	8	
SCVASLEND	20	
SCVASLENDHIGH	18	
SCVASLENDLOW	1C	

Table 71. Cross Reference for SCVA (continued)

Name	Offset	Hex Tag
SCVASLEND64	18	
SCVASLN	0	
SCVASLPA	4	02
SCVASLQUAL	C	
SCVASLQUALIFIERISANALET	C	40
SCVASLQUALIFIERISASTOKEN	C	80
SCVASLSQ	4	08
SCVASLSTKN	0	
SCVASLSTRTHIGH	10	
SCVASLSTRTLOW	14	
SCVASLSTRT64	10	
SCVASL64	0	
SCVASL64ADDRESSPAIRS	10	
SCVASL64ENTRYHEADER	0	
SCVASL64HEADER	0	
SCVASL64HEADERRESTOFDATA	8	
SCVASL64HEADERTOTALLENGTH	0	
SCVASNA	9	
SCVASNAP	5	08
SCVASNO	C	
SCVASNSD	5	10
SCVASNSQ	5	04
SCVASNUC	4	20
SCVASPRSSTRL	8	
SCVASPRSSTRLLEN	4	
SCVASPSA	4	40
SCVASRGN	4	04
SCVASSA	8	
SCVASSDP	5	20
SCVASSQA	4	10
SCVASSWA	5	40
SCVASSYMB	0	
SCVAST	0	
SCVASTDATA	0	
SCVASTDATAAD	8	
SCVASTDATAFL	3	
SCVASTDATAHEADER	0	
SCVASTDATAID	2	
SCVASTDATALN	0	
SCVASTDATANO	4	
SCVASTDATASAUSED	3	40
SCVASTDATASY	3	80
SCVASTRLIST	0	
SCVASTRLISTHD	0	
SCVASTRLISTID	2	
SCVASTRLISTLN	0	
SCVASTRT	4	01
SCVASWLM	6	02
SCVASXES	6	08

Table 71. Cross Reference for SCVA (continued)

Name	Offset	Hex Tag
SCVASYM	D	80
SCVASYSL#	3	
SCVASYSLADDR	7	
SCVASYSLADDRDATA	6	
SCVASYSLADDRHD	0	
SCVASYSLADDRLEN	4	
SCVASYSLADDRS	304	
SCVASYSLADDRSTR	10	
SCVASYSLGRPNAME	4	
SCVASYSLHD	0	
SCVASYSLID	2	
SCVASYSLISADDR	C	
SCVASYSLIST	0	
SCVASYSLISTADDRESS	0	
SCVASYSLLN	0	
SCVASYSLMEMNAME	C	
SCVASYSLSYS	4	
SCVASYSLSYSNAME	4	
SCVASYSLSYSTEMS	4	
SCVATDAD	3	20
SCVATDB	3	
SCVATDD	8	
SCVATDHD	0	
SCVATDID	2	
SCVATDLN	0	
SCVATDNO	4	
SCVATDRG	3	40
SCVATDST	3	80
SCVATDSY	3	10
SCVATEXIT	0	
SCVATRD	0	
SCVAVA	8	
SCVAWORK	0	
SCVAWORK#	3	
SCVAWORKENTRIES	4	
SCVAWORKHD	0	
SCVAWORKID	2	
SCVAWORKJ	8	
SCVAWORKJFIXED	4	
SCVAWORKJKEY	4	
SCVAWORKJLN	6	
SCVAWORKJOB	8	
SCVAWORKLN	0	

SCVA mapping

Chapter 8. SCVT Information

SCVT Programming Interface Information

ONLY the following fields are part of the programming interface information:

- SCVTCCVT
- SCVTMCA

SCVT Heading Information

Common Name:	Secondary Communication Vector Table
Macro ID:	IHASCVT
DSECT Name:	SCVTSECT
Owning Component:	Common Macros (SC101)
Eye-Catcher ID:	None
Storage Attributes:	Key: key 0 Residency: Nucleus
Size:	224 bytes
Created by:	IEASCVT
Pointed to by:	CVTABEND field of the CVT data area
Serialization:	None required
Function:	Used by non-nucleus-resident routines to refer to routines used by the Supervisor, by ABEND, and other program components.

SCVT mapping

Table 72. Structure SCVTSECT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SCVTSECT	
0	(0)	ADDRESS	4	SCVTPGTM	"V(IEAQPGTM)" - ADDR OF EOT TIMER PURGE ROUTINE.
4	(4)	ADDRESS	4	SCVTPGWR	- ADDRESS OF WTO/WTOR RESOURCE MANAGER. INITIALLY CONTAINS ADDRESS OF BR 14. CHANGED TO IEECVPRG (MODULE IEAVMED2) BY COMMUNICATIONS TASK INITIALIZATION (IEAVVINT). MDC013
8	(8)	ADDRESS	4	SCVTDSPA	- ANCHOR FOR SYSTEM/370 SNA/DS DISTRIBUTION SERVICES PRODUCT.
12	(C)	SIGNED	2	SCVTBR14	- A BR 14 INSTRUCTION. RETURN TO CALLER
14	(E)	SIGNED	2	SCVTVLFC	- COUNT OF THE NUMBER OF TIMES VLF IS STARTED OWNERSHIP: VLF. SERIALIZATION: NONE
16	(10)	ADDRESS	4		- ** SCVTTERAS FIELD UNUSED IN OS/VS2 RELEASE 2 ** @(DCR560)
20	(14)	ADDRESS	4	SCVTBWTO	"V(IEABRWTO)" - ADDRESS OF BRANCH-ENTRY WTO AND WTOR. MUST BE ADDRESSABLE IN 24-BIT MODE.

Table 72. Structure SCVTSECT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
24	(18)	ADDRESS	4	SCVTBDOM	"V(IEABRDOM)" - ADDRESS OF BRANCH-ENTRY DOM. MUST BE ADDRESSABLE IN 24-BIT MODE.
28	(1C)	ADDRESS	4	SCVTRMBR	"V(RMBRANCH)" - ADDR OF REGMAIN BRANCH ENTRY
32	(20)	ADDRESS	4	SCVTCHSI	- POINTER TO THE IOS CHANNEL SUBSYSTEM INFORMATION BLOCK
36	(24)	ADDRESS	4	SCVTRACE	- ADDR OF POINTER TO TRACE ROUTINE
40	(28)	ADDRESS	4	SCVTHSCS	- ADDRESS OF SLIH FOR HPPI EXTERNAL INTERRUPTS. OWNERSHIP: HPPI SOFTWARE.
44	(2C)	ADDRESS	4	SCVTSORM	- ADDRESS OF SDOM RESOURCE MANAGER (COFMSORM). OWNERSHIP: VLF. SERIALIZATION: NONE.
48	(30)	ADDRESS	4	SCVTLFRM	"V(FMBRANCH)" - LIST FORMAT FREEMAIN BRANCH ENT PT
52	(34)	ADDRESS	4	SCVTSDOB	- ADDRESS OF SHARED DATA OBJECT MANAGER BLOCK. OWNERSHIP: VLF. SERIALIZATION: CS.
56	(38)	ADDRESS	4	SCVTMCA	- ANCHOR FOR GLOBAL MVS MESSAGE SERVICE DATA AREA. OWNERSHIP: MVS MESSAGE SERVICE. SERIALIZATION: LOCAL AND CMS LOCKS.
60	(3C)	ADDRESS	4	SCVTNETV	- NETVIEW CONTROL STRUCTURE ANCHOR. OWNERSHIP: NETVIEW. SERIALIZATION: NONE.
64	(40)	ADDRESS	4	SCVTRPTR	- ADDR OF TRACE TABLE POINTERS YM2703
68	(44)	ADDRESS	4	SCVTGMBR	"V(GMBRANCH)" - LIST FORMAT GETMAIN BRANCH ENTRY POINT ICB445
72	(48)	ADDRESS	4	SCVTRG2	- ENTRY POINT ADDRESS OF IEAVTRG2, RTM2 24 BIT ADDRESSING MODE INTERFACE ROUTINE. @(DCR854)
76	(4C)	ADDRESS	4	SCVTRG2B	- ADDRESS OF SECOND ENTRY POINT IN IEAVTRG2, RTM2 24 BIT ADDRESSING MODE INTERFACE ROUTINE. @(DCR854)
80	(50)	ADDRESS	4	SCVTRTXT	"V(IEECB867)" ADDRESS OF MODULE IEECB867. MODULE PROVIDES CALLER WITH THE MESSAGE TEXT ASSOCIATED WITH THE RETURN CODE PROVIDED BY SVC DUMP WHEN IT FAILED TO TAKE A DUMP. OWNERSHIP: SVC DUMP.
84	(54)	SIGNED	4	SCVTAMSP	- ADDRESS OF SYSTEM AVAILABILITY MANAGER(SAM) WHEN SAM IS ACTIVE OWNERSHIP: SAM SERIALIZATION: NONE
88	(58)	ADDRESS	4	SCVTASRS	"V(ASRGLTAB)" POINTER TO SYMPTOM RECORDS GLOBAL TABLE
92	(5C)	ADDRESS	4	SCVTSYMR	"V(ASRSERVM)" ADDRESS OF THE SYMREC RESOURCE MANAGER

Table 72. Structure SCVTSECT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
96	(60)	ADDRESS	4	SCVTDOPX	"V(IEAVTRDX)" ADDRESS OF IEAVTRDX ROUTINE INVOKED BY SETRP WHEN DUMPOPX IS SPECIFIED OWNERSHIP: RTM
100	(64)	ADDRESS	4	SCVTCPLS	"V(IGVCPLST)" ADDRESS OF VSM CELL POOL LIST SERVICE. OWNERSHIP: VSM
104	(68)	ADDRESS	4	SCVTDIV	"V(ITVDIB)" POINTER TO THE DIV INFORMATION BLOCK
108	(6C)	ADDRESS	4	SCVTDIVM	"V(ITVGTERM)" POINTER TO THE DIV RESOURCE MANAGER
112	(70)	ADDRESS	4	SCVTCTR1	- RESERVED
116	(74)	ADDRESS	4	SCVTCTAB	- COMPONENT TRACE ANCHOR BLOCK. OWNERSHIP: COMPONENT TRACE. SERIALIZATION: ENQ/DEQ.
120	(78)	ADDRESS	4	SCVTRXLQ	- ADDR OF RECOVERY EXTENT LIST
124	(7C)	ADDRESS	4	SCVTCGT	- POINTER TO IHACGT SERIALIZATION: CS.
128	(80)	ADDRESS	4	SCVTJOPN	"V(IDAVJOPN)" ADDR OF THE IDAVJOPN RTN SERIALIZATION: N/A
132	(84)	ADDRESS	4	SCVTSVCT	"V(SVCTABLE)" - ORIGIN OF SVC TABLE MDC005
136	(88)	ADDRESS	4	SCVTSVCR	"V(IEAVSVCR)" - ADDRESS OF SVC UPDATE RECORDING TABLE
140	(8C)	ADDRESS	4	SCVTTQE	"V(IEATSELM)" - ADDR OF TSO SUBSYSTEM'S TQE
144	(90)	ADDRESS	4	SCVTTTRM	- TSO TASK TERMINATION RESOUCE MANAGER
148	(94)	ADDRESS	4	SCVTSTAT	"V(IGC07902)" - ADDR OF SVC STATUS ROUTINE ICB339
152	(98)	ADDRESS	4	SCVTQCBR	"V(QCBRANCH)" - BRANCH ENTRY POINT TO GETMAIN/ FREEMAIN QUICKCELL ROUTINE ICB339
156	(9C)	ADDRESS	4	SCVTVLFB	- VLF COMMON DATA BLOCK ADDRESS. OWNERSHIP: VLF. SERIALIZATION: CS.
160	(A0)	ADDRESS	4	SCVTHSCT	- ADDRESS OF HPPI SOFTWARE DATA AREA. OWNERSHIP: HPPI SOFTWARE.
164	(A4)	ADDRESS	4	SCVTPTRM	"V(IARGTERM)" - ADDRESS OF PAGING SUPERVISOR ROUTINE (IARGTERM) TO QUIESCE ASYNCHRONOUS OR SYNCHRONOUS PAGING-IN, FIX, OR MIGRATION REQUESTS.
168	(A8)	ADDRESS	4	SCVTDFCS	- ANCHOR FOR SMSX GLOBAL CONTROL STRUCTURE. OWNERSHIP: DFP SERIALIZATION: NONE
172	(AC)	ADDRESS	4	SCVTPIQE	"V(IEADQIQE)" - ADDR OF RESIDENT SUBROUTINE IN EOT TO REMOVE IQE'S FROM ASYNCHRONOUS EXIT QUEUE ICB378
176	(B0)	ADDRESS	4	SCVTGAMP	- POINTER TO GAM CONTROL BLOCKS. OWNERSHIP: GRAPHICS ACCESS METHOD (GAM). SERIALIZATION: COMPARE AND SWAP.

Table 72. Structure SCVTSECT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
180	(B4)	ADDRESS	4	SCVTGAMS	- POINTER TO GAM SQA AREA. OWNERSHIP: GRAPHICS ACCESS METHOD (GAM). SERIALIZATION: COMPARE AND SWAP.
184	(B8)	ADDRESS	4	SCVTCCVT	- POINTER TO THE CRYPTOGRAPHY CVT. OWNERSHIP: INTEGRATED CRYPTOGRAPHIC SERVICE FACILITY/MVS (ICSF/MVS) SERIALIZATION: NONE.
188	(BC)	ADDRESS	4	SCVTDIS	"V(IEAVTDIS)" ENTRY POINT OF MEMTERM DISABLE/ENABLE SERVICE. OWNERSHIP: RTM. SERIALIZATION: N/A
192	(C0)	BITSTRING	8	SCVTR0C0	RESERVED.
200	(C8)	ADDRESS	4	SCVTQOPN	"V(IGGQJOPN)" ADDR OF THE IGGQJOPN RTN SERIALIZATION: N/A
204	(CC)	ADDRESS	4	SCVTDLFB	- ANCHOR TO THE DLF CONTROL BLOCK OWNERSHIP: DLF. SERIALIZATION: CS.
208	(D0)	BITSTRING	16	SCVTR0D0	RESERVED.

Table 73. Cross Reference for SCVT

Name	Offset	Hex Tag
SCVTAMSP	54	0
SCVTASRS	58	
SCVTBDOM	18	
SCVTBR14	C	
SCVTBWTO	14	
SCVTCCVT	B8	
SCVTCGT	7C	
SCVTCHSI	20	
SCVTCPLS	64	
SCVTCTAB	74	
SCVTCTR1	70	
SCVTDFCS	A8	
SCVTDIS	BC	
SCVTDIV	68	
SCVTDIVM	6C	
SCVTDLFB	CC	
SCVTDOPX	60	
SCVTDSPA	8	
SCVTGAMP	B0	
SCVTGAMS	B4	
SCVTGMBR	44	
SCVTHSCS	28	
SCVTHSCT	A0	
SCVTJOPN	80	
SCVTLFRM	30	
SCVTMCA	38	
SCVTNETV	3C	

Table 73. Cross Reference for SCVT (continued)

Name	Offset	Hex Tag
SCVTPGTM	0	
SCVTPGWR	4	
SCVTPIQE	AC	
SCVTPTRM	A4	
SCVTQCBR	98	
SCVTQOPN	C8	
SCVTRACE	24	
SCVTRG2	48	
SCVTRG2B	4C	
SCVTRMBR	1C	
SCVTRPTR	40	
SCVTRTXT	50	
SCVTRXLQ	78	
SCVTR0C0	C0	0
SCVTR0D0	D0	0
SCVTSDOB	34	
SCVTSECT	0	
SCVTSORM	2C	
SCVTSTAT	94	
SCVTSVCR	88	
SCVTSVCT	84	
SCVTSYMR	5C	
SCVTTQE	8C	
SCVTTTRM	90	
SCVTVLFB	9C	
SCVTVLFC	E	0

Chapter 9. SCWA Information

SCWA Heading Information

Common Name:	Supervisor Control Work Area
Macro ID:	IHASCWA
DSECT Name:	SCWA, SCWA1, SCWA2, SCWA3
Owning Component:	Supervisor Control (SC1C5)
Eye-Catcher ID:	SCWA Offset: 0 Length: 4
Storage Attributes:	Subpool: 239 Key: 0 Residency: Above 16M
Size:	12288 bytes
Created by:	IEAVNIP0, IEEVCPRA
Pointed to by:	PSASCWA field of the PSA data area WSACSCWA field of the WSAVT data area
Serialization:	Disablement
Function:	Generates mapping macro for the Supervisor Control Work Save Area. There is one SCWA per Processor. The programs which have save areas must serialize the usage of their respective areas. The save areas reside in fetch protected 31-bit storage.

SCWA mapping

Table 74. Structure SCWA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4064	SCWA	SUPERVISOR CONTROL WORK AREA
0	(0)	CHARACTER	4	SCWASCWA	SCWA ACRONYM
4	(4)	BITSTRING	4	SCWFLAG	
4	(4)	BITSTRING	1	SCWFLAG1	FLAGS. SERIALIZED BY DISABLEMENT.
		1...		SCWSARP	IF THIS FLAG IS ON AT ENTRY TO IEAVESAR, IEAVESAR HAS BEEN RECURSIVELY ENTERED.
		.1..		SCWELKRF	IF THIS FLAG IS ON, THEN IEAVELKR WAS PROCESSING DUE TO BEING CALLED DIRECTLY BY RTM. IEAVESAR USES THIS FLAG TO PREVENT RECURSIVE ENTRY INTO IEAVELKR.
		..1.		SCWLCRVT	IF THIS FLAG IS ON, THEN IEAVELCR WAS UNABLE TO REFRESH THE PSAATCVT POINTER TO VTAM'S CVT. IEAVELCR USES THIS FLAG TO PREVENT FILLING LOGREC WITH REDUNDANT SOFTWARE ERROR RECORDS.

Table 74. Structure SCWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		SCWEGR	IF THIS FLAG IS ON, THEN IEAVEGR PROCESSING IS ACTIVE. IEAVESAR USES THIS FLAG TO PREVENT RECURSIVE ENTRY INTO IEAVEGR.
		 1111		*	RESERVED.
5	(5)	BITSTRING	3	*	RESERVED.
8	(8)	CHARACTER	72	SCWEPC1	PROGRAM FLIH SAVE AREA
80	(50)	CHARACTER	72	SCWELK1	SPIN LOCK MGR SAVE AREA
152	(98)	CHARACTER	72	SCWELK2	SPIN LOCK MGR SAVE AREA
224	(E0)	CHARACTER	64	SCWELK3	SPIN LOCK MGR SAVE AREA
288	(120)	CHARACTER	72	SCWEPC3	PROGRAM FLIH SAVE AREA
360	(168)	CHARACTER	8	*	Reserved
368	(170)	CHARACTER	64	SCWFRLK1	FREE LOCK REGISTERS
432	(1B0)	CHARACTER	72	SCWESAR	SUPERVISOR ANALYSIS ROUTER SAVE AREA.
504	(1F8)	CHARACTER	72	SCWESAR2	SECOND LEVEL SAVE AREA TO BE PASSED FROM THE ROUTINES CALLED BY IEAVESAR TO THE ROUTINES THEY CALL.
576	(240)	CHARACTER	16	SCWUSRR	WORK AREA FOR USERRDY.
592	(250)	CHARACTER	40	SCWVQVPL	QVPL USED BY IEAVEVRR.
632	(278)	CHARACTER	72	SCWEPC2	PROGRAM FLIH SAVE AREA
704	(2C0)	CHARACTER	128	SCWSIGP	IPC/IEAVESGP SAVE AREA
832	(340)	CHARACTER	96	SCWEDR	IPC/IEAVEDR SAVE AREA
928	(3A0)	CHARACTER	64	SCWELK4	WORK AREA FOR LOCK MANAGER (IEAVELK) - INCLUDES AREA FOR EXCESSIVE SPIN ROUTINE PARAMETER LIST
992	(3E0)	CHARACTER	56	SCWEINT	WORK AREA FOR INTERSECT SPIN ROUTINE (IEAVEINT) - INCLUDES AREA FOR EXCESSIVE SPIN ROUTINE PARAMETER LIST
1048	(418)	CHARACTER	160	*	Reserved
1208	(4B8)	CHARACTER	104	SCWERP	IPC/IEAVERP1 SAVE AREA
1312	(520)	CHARACTER	112	SCWEXS	IPC/IEAVEXS SAVE AREA
1424	(590)	CHARACTER	64	SCWSARWA	TEMPORARY WORKAREA FOR IEAVESAR AND THE ROUTINES WHICH RUN UNDER ITS CONTROL.
1488	(5D0)	CHARACTER	8	SCWR5D8	Reserved
1496	(5D8)	ADDRESS	4	SCWA1PTR	POINTER TO SCWA1
1500	(5DC)	ADDRESS	4	SCWA2PTR	POINTER TO SCWA2
1504	(5E0)	ADDRESS	4	SCWA3PTR	Address of SCWA3
1508	(5E4)	CHARACTER	4	SCWR5E4	Reserved
1512	(5E8)	CHARACTER	8	SCWESRT0	Stop/Reset small area
1520	(5F0)	CHARACTER	40	SCWESVR	WORKAREA FOR SVC FLIH RECOVERY (IEAVESVR)
1560	(618)	CHARACTER	72	SCWESVR1	SAVEAREA FOR SVC FLIH RECOVERY (IEAVESVR)
1632	(660)	CHARACTER	72	SCWEGRSV	SAVEAREA FOR GLOBAL RECOVERY (IEAVEGR)
1704	(6A8)	CHARACTER	72	SCWVJST	SAVEAREA PASSED TO VECTOR JOB STEP TIMING (IEAVVJST) BY JOB STEP TIMING (IEAVEJST)

Table 74. Structure SCWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1776	(6F0)	CHARACTER	496	SCWVSLIH	SAVEAREA FOR VECTOR SLIH (IEAVEVS)
2272	(8E0)	CHARACTER	216	SCWESRT	STOP/RESET SAVE AREA
2488	(9B8)	CHARACTER	88	SCWEBBR	WORK AREA FOR BIND BREAK (IEAVEBBR) INCLUDES AREA FOR EXCESSIVE SPIN ROUTINE PARAMETER LIST
2576	(A10)	CHARACTER	200	SCWEES	IPC/IEAVEES SAVE AREA
2776	(AD8)	CHARACTER	72	SCWELSM	GPR SAVE AREA USED WHEN CALLING LINKAGE STACK SERVICES
2848	(B20)	CHARACTER	72	SCWELSL	GPR SAVE AREA USED WHEN CALLING IEAVLSLC.
2920	(B68)	CHARACTER	72	SCWXAPM	GPR SAVE AREA USED BY IEAVEDS0 AND IEAVETCL WHEN CALLING IEAVXAPM.
2992	(BB0)	CHARACTER	120	SCWESTA	IEAVESTA WORK AREA
3112	(C28)	CHARACTER	344	SCWESLK1	SUSPEND LOCK MANAGER WORK AREA
3456	(D80)	CHARACTER	512	SCWELSIH	WORK AREA FOR IEAVLSIH
3968	(F80)	CHARACTER	8	SCWSGNL	WORK AREA FOR STATUS SIGNAL ROUTINE
3976	(F88)	CHARACTER	80	SCWESPN	SAVE AREA FOR IEAVESPN. Also contains room for saving registers by invoker of SPINLOOP.
4056	(FD8)	CHARACTER	8	SCWRFD8	RESERVED
Moved not deleted					
4064	(FE0)	CHARACTER	0	SCWEND	END OF SCWA

Table 75. Structure SCWA1

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4368	SCWA1	SCWA EXTENSION
0	(0)	CHARACTER	400	SCW1LSWA	WORK AREA FOR IEAVLSLO, IEAVLSLR, IEAVLSGO, IEAVLSGR, IEAVLSIO, IEAVLSIR.
400	(190)	CHARACTER	256	SCW1LSLC	WORK AREA FOR IEAVLSLC 1@LMD
656	(290)	CHARACTER	16	SCW1ARPA	SUPERVISOR ANALYSIS ROUTER PARAMETER AREA.
672	(2A0)	CHARACTER	200	SCW1TTKN	WORK AREA FOR IEAVTTKN 1@LMD
872	(368)	CHARACTER	64	SCW1ELK5	IEAVELK RECURSIVE SAVE AREA.
936	(3A8)	CHARACTER	160	SCW1ELKB	WORKAREA FOR IEAVELKB
1096	(448)	CHARACTER	144	SCW1ESPM	SAVEAREA FOR SRB POOL MANAGER (IEAVESPM)
1240	(4D8)	CHARACTER	384	SCW1SSWA	WORK AREA FOR IEAVSRBR AND IEAVSRBP.
1624	(658)	CHARACTER	256	SCW1ENTE	Work Area for IEAVENTE
1880	(758)	CHARACTER	512	SCW1AFS	WORK AREA FOR IEAVEAFS AND IEAVASRB.
2392	(958)	CHARACTER	40	SCW1CPUF	WORK AREA FOR IEAVCPUF.
2432	(980)	CHARACTER	72	SCW1EPC4	PROGRAM FLIH SAVE AREA
2504	(9C8)	CHARACTER	192	SCW1R9C8	Reserved 1@LMD
2696	(A88)	CHARACTER	640	SCW1SETS	WORK AREA FOR IEAVSETS

Table 75. Structure SCWA1 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
3336	(D08)	CHARACTER	72	SCW1SYSE	SAVE AREA FOR USERRDY SYSEVENT
3408	(D50)	CHARACTER	64	SCW1EPDR	SAVE AREA FOR USE BY IEAVEPDR WHEN CALLING IEAVEDSR (was SCW2EPDR)
3472	(D90)	CHARACTER	128	SCW1LSCL	WORK AREA FOR IEAVLSCL
3600	(E10)	CHARACTER	512	SCW1ELCR	WORK AREA FOR IEAVELCR
4112	(1010)	CHARACTER	256	SCW1ESAR	WORK AREA FOR IEAVESAR.
4368	(1110)	CHARACTER	0	SCW1END	END OF SCWA1

Table 76. Structure SCWA2

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	7184	SCWA2	SCWA EXTENSION.
0	(0)	CHARACTER	72	SCW2WBCH	SAVE AREA FOR IEAVWBCH
72	(48)	CHARACTER	72	SCW2SRBX	SAVE AREA FOR IEAMSRBX
144	(90)	CHARACTER	72	SCW2ESC0	SAVE AREA FOR IEAVESC0
216	(D8)	CHARACTER	256	SCW2ESPN	WORK AREA FOR IEAVESPN. Must be same size as SCW3ESPN
472	(1D8)	CHARACTER	72	SCW2ESLK	SAVE AREA FOR IEAVESLK
544	(220)	CHARACTER	256	SCW2WPM	SAVE AREA FOR IEAVWPM
800	(320)	CHARACTER	72	SCW2ESC5	SAVE AREA FOR IEAVESC5
872	(368)	CHARACTER	896	SCW2SCHW	WORK AREA FOR IEAVSCHA
1768	(6E8)	CHARACTER	784	SCW2SRBM	WORK AREA FOR IEAVSRBF AND IEAVSRBO.
	Moved and renamed, not deleted 1@LMD				
2552	(9F8)	CHARACTER	1096	SCW2EDSR	WORK AREA FOR IEAVEDSR
3648	(E40)	CHARACTER	464	SCW2CHAP	WORK AREA FOR IEAVEAC0
4112	(1010)	CHARACTER	3072	SCW2FPS	WORK AREA FOR IEAVEFPS
7184	(1C10)	CHARACTER	0	SCW2END	END OF SCWA2

Table 77. Structure SCWA3

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	1352	SCWA3	SCWA EXTENSION.
0	(0)	CHARACTER	72	SCW3ESRT	Work area for IEAVESRT
72	(48)	CHARACTER	256	SCW3ESPN	IEAVESPN re-entry. Must be same size as SCW2ESPN
328	(148)	CHARACTER	256	SCW3ERI	IEAVERI work area
584	(248)	CHARACTER	768	SCW3ECPX	IEAVECPX work area
1352	(548)	CHARACTER	0	SCW3END	END OF SCWA3

Table 78. Cross Reference for SCWA

Name	Offset	Hex Tag
SCWA	0	
SCWASCWA	0	
SCWA1	0	
SCWA1PTR	5D8	
SCWA2	0	

Table 78. Cross Reference for SCWA (continued)

Name	Offset	Hex Tag
SCWA2PTR	5DC	
SCWA3	0	
SCWA3PTR	5E0	
SCWEBBR	9B8	
SCWEDR	340	
SCWEES	A10	
SCWEGR	4	10
SCWEGRSV	660	
SCWEINT	3E0	
SCWELKRF	4	40
SCWELK1	50	
SCWELK2	98	
SCWELK3	E0	
SCWELK4	3A0	
SCWELSIH	D80	
SCWELSL	B20	
SCWELSM	AD8	
SCWEND	FE0	
SCWEPC1	8	
SCWEPC2	278	
SCWEPC3	120	
SCWERP	4B8	
SCWESAR	1B0	
SCWESAR2	1F8	
SCWESLK1	C28	
SCWESPN	F88	
SCWESRT	8E0	
SCWESRT0	5E8	
SCWESTA	BB0	
SCWESVR	5F0	
SCWESVR1	618	
SCWEXS	520	
SCWFLAG	4	
SCWFLAG1	4	
SCWFRLK1	170	
SCWLCRVT	4	20
SCWRFD8	FD8	
SCWR5D8	5D0	
SCWR5E4	5E4	
SCWSARP	4	80
SCWSARWA	590	
SCWSGNL	F80	
SCWSIGP	2C0	
SCWUSRR	240	
SCWVJST	6A8	
SCWVQVPL	250	
SCWVSLIH	6F0	
SCWXAPM	B68	
SCW1AFS	758	

Table 78. Cross Reference for SCWA (continued)

Name	Offset	Hex Tag
SCW1ARPA	290	
SCW1CPUF	958	
SCW1ELCR	E10	
SCW1ELKB	3A8	
SCW1ELK5	368	
SCW1END	1110	
SCW1ENTE	658	
SCW1EPC4	980	
SCW1EPDR	D50	
SCW1ESAR	1010	
SCW1ESPM	448	
SCW1LSCL	D90	
SCW1LSLC	190	
SCW1LSWA	0	
SCW1R9C8	9C8	
SCW1SETS	A88	
SCW1SSWA	4D8	
SCW1SYSE	D08	
SCW1TTKN	2A0	
SCW2CHAP	E40	
SCW2EDSR	9F8	
SCW2END	1C10	
SCW2ESC0	90	
SCW2ESC5	320	
SCW2ESLK	1D8	
SCW2ESPN	D8	
SCW2FPS	1010	
SCW2SCHW	368	
SCW2SRBM	6E8	
SCW2SRBX	48	
SCW2WBCH	0	
SCW2WPM	220	
SCW3ECPX	248	
SCW3END	548	
SCW3ERI	148	
SCW3ESPN	48	
SCW3ESRT	0	

Chapter 10. SDDSQ Information

SDDSQ Heading Information

Common Name:	SDUMP DUMP DATA SET QUEUE
Macro ID:	IHASDDSQ
DSECT Name:	SDDSQ
Owning Component:	SVC Dump (SCDMP)
Eye-Catcher ID:	SDDS Offset: 0 Length: 4
Storage Attributes:	Main Storage: One per dump dataset Subpool: 245 Key: 0 Residency: Above 16M
Size:	DECIMAL 96, X'60' BYTES
Created by:	IEECB926
Pointed to by:	RTCTSDDS SDDSQFWD SDDSQBWD
Serialization:	THE SDDSQ IS USED BY SDUMP, THE DUMPDS OPERATOR COMMAND AND THE DISPLAY DUMP OPERATOR COMMAND. THE ENTIRE SDDSQ IS SERIALIZED BETWEEN DUMPDS AND DISPLAY DUMP BY WAY OF ENQ ON (SYSIEA01 DMPDSENQ). SERIALIZATION BETWEEN SDUMP AND DUMPDS IS DONE ON A QUEUE ELEMENT BASIS BY WAY OF COMPARE AND SWAP ON THE SDDSQCS BIT.
Function:	MAPS EACH ENTRY IN THE DUMP DATA SET QUEUE.

SDDSQ mapping

Table 79. Structure SDDSQ

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	96	SDDSQ	SDUMP DUMP DATA SET QUEUE
0	(0)	CHARACTER	4	SDDSQID	IDENTIFER=SDDS
4	(4)	ADDRESS	4	SDDSQFWD	POINTER TO NEXT ELEMENT - ZERO IF THIS IS THE LAST ENTRY
8	(8)	ADDRESS	4	SDDSQBWD	POINTER TO LAST ELEMENT - ZERO IF THIS IS THE FIRST ENTRY.
12	(C)	CHARACTER	4	SDDSQLWD	WORD USED IN COMPARE AND SWAP LOGIC TO SERIALIZE SDDSQ ENTRIES.
12	(C)	CHARACTER	3	SDDSQDSN	DUMP DATA SET NAME. A 2 EBCDIC DIGIT DASD DUMP DATA SET NUMBER.
12	(C)	CHARACTER	2	SDDSQDAN	DASD DUMP DATA SET NUMBER
14	(E)	CHARACTER	1	SDDSQBLN	BLANK TO FOLLOW DASD NAME
15	(F)	BITSTRING	1	SDDSQCTL	LOCK BITS
		1...		SDDSQCS	COMPARE AND SWAP BIT TURNED ON BY SDUMP OR DUMPDS WHEN THE SERIAL USE OF THE DUMP DATA SET IS REQUIRED.

Table 79. Structure SDDSQ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		SDDSQBAD	1 - SDDSQ ENTRY IS BAD AND SHOULD NOT BE USED. SET BY IEAVTSDR TO TELL IEECB926 TO DELETE THIS SDDSQ ENTRY.
16	(10)	BITSTRING	1	SDDSQFLG	FLAGS
		1...		SDDSQDDS	DUMP DATA SET STATUS. 1 - FULL 0 - EMPTY
		.1..		SDDSQDYN	Automatic Allocation Dataset. 1 - Automatically allocated, 0 - Pre-allocated
		..1.		SDDSQRSC	Automatic Allocation Resource
		...1 1111		*	UNUSED
17	(11)	UNSIGNED	1	SDDSQTRKCALCBKS	As determined by TRKCALC
18	(12)	UNSIGNED	1	SDDSQNMB	DASD DATA SET NUMBER IN HEX
19	(13)	UNSIGNED	1	SDDSQBKS	Number of records in one block
20	(14)	UNSIGNED	1	SDDSQNCPLEVEL	NCP level for BSAM
21	(15)	CHARACTER	3	*	UNUSED
24	(18)	CHARACTER	4	*	UNUSED
28	(1C)	CHARACTER	8	SDDSQDDN	DDNAME GENERATED BY THE DYNAMIC ALLOCATION OF THE DUMP DATA SET IN DUMPDS PROCESSING. THE ALLOCATION IS ALWAYS TO THE IEECB926 TASK IN THE DUMPSRV ADDRESS SPACE
36	(24)	SIGNED	4	SDDSQDOM	MESSAGE ID FOR DOM OF IEA911E
40	(28)	CHARACTER	2	*	Unused
42	(2A)	UNSIGNED	1	SDDSQRESOURCETYPE	Type of automatic allocation resource - valid if SDDSQRSC=1
43	(2B)	UNSIGNED	1	SDDSQDSNAMELENGTH	Dataset name length
44	(2C)	CHARACTER	44	SDDSQDSNAME	Full dataset name
44	(2C)	CHARACTER	9	*(3)	Array of class types
44	(2C)	UNSIGNED	1	SDDSQRESOURCENAMELENGTH	Length of automatic allocation resource name - valid if SDDSQRSC=1
45	(2D)	CHARACTER	8	SDDSQRESOURCENAME	Name of automatic allocation resource - valid if SDDSQRSC=1
88	(58)	CHARACTER	8	*	UNUSED.

Table 80. Constants for SDDSQ

Len	Type	Value	Name	Description
4	DECIMAL	100	SDDSQMAX	MAXIMUM NUMBER OF DUMP DATA SETS ALLOWED ON THE SDDSQ
4	DECIMAL	1	SDDSQSMS	Automatic allocation resource is an SMS storage class
4	DECIMAL	2	SDDSQVOL	Automatic allocation resource is a DASD volume serial number
4	DECIMAL	0	SDDSQNOCLASS	Index not identified
4	DECIMAL	1	SDDSQDATACLASS	Index of data class
4	DECIMAL	2	SDDSQMGMTCLASS	Index of management class
4	DECIMAL	3	SDDSQSTORCLASS	Index of storage class
4	DECIMAL	3	SDDSQVOLCLASS	Index of volume 'class'
4	DECIMAL	3	SDDSQMAXCLASS	Maximum class index

Table 81. Cross Reference for SDDSQ

Name	Offset	Hex Tag
SDDSQ	0	
SDDSQBAD	F	40
SDDSQBKS	13	
SDDSQBLN	E	
SDDSQBWD	8	
SDDSQCS	F	80
SDDSQCTL	F	
SDDSQDAN	C	
SDDSQDDN	1C	
SDDSQDDS	10	80
SDDSQDOM	24	
SDDSQDSN	C	
SDDSQDSNAME	2C	
SDDSQDSNAMELENGTH	2B	
SDDSQDYN	10	40
SDDSQFLG	10	
SDDSQFWD	4	
SDDSQID	0	
SDDSQLWD	C	
SDDSQNCPLEVEL	14	
SDDSQNMB	12	
SDDSQRESOURCENAME	2D	
SDDSQRESOURCENAMELENGTH	2C	
SDDSQRESOURCETYPE	2A	
SDDSQRSC	10	20
SDDSQTRKCALCBKS	11	

Chapter 11. SDEPL Information

SDEPL Programming Interface Information

The following field is **NOT** programming interface information:

- SDEPLDSP

SDEPL Heading Information

Common Name:	SDUMP POST EXIT PARAMETER LIST
Macro ID:	IHASDEPL
DSECT Name:	SDEPL
Owning Component:	SVC DUMP (SCDMP)
Eye-Catcher ID:	SDEP Offset: X'0' Length: 4
Storage Attributes:	Subpool: 252 Key: 0 Residency: BELOW THE 16M LINE
Size:	64 bytes
Created by:	IEAVTSEP
Pointed to by:	REGISTER 1 CONTAINS POINTER TO ADDRESS OF SDEPL ON ENTRY TO POST DUMP EXITS CONTAINS ADDRESS
Serialization:	NONE
Function:	THIS MACRO IS THE MAPPING FOR THE SDUMP POST EXIT PARAMETER LIST BUILT BY IEAVTSEP AND PASSED TO USER WRITTEN AND IBM SUPPLIED POST DUMP EXITS.

SDEPL mapping

Table 82. Structure SDEPL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDEPL	
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	CHARACTER	4	SDEPLCHA	EBCDIC IDENTIFIER
4	(4)	BITSTRING	1	SDEPLFLG	EXIT STATUS FLAGS
		1...		SDEPLEXE	"BIT0" BIT ON - ERROR OCCURRED IN PRECEDING EXIT
		.1..		SDEPLERR	"BIT1" BIT ON - ERROR OCCURRED IN ANY PREVIOUS EXIT
		..1.		SDEPLNOD	"BIT2" BIT ON - NO DUMP WAS TAKEN
5	(5)	CHARACTER	3	SDEPLRES	RESERVED

Table 82. Structure SDEPL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	SIGNED	4	SDEPLHD	ADDRESS OF THE DUMP HEADER RECORD MAPPED BY THE AMDDATA MAPPING MACRO
12	(C)	SIGNED	4	SDEPLWA	ADDRESS OF EXIT WORK AREA (200 DECIMAL BYTES IN LENGTH)
16	(10)	SIGNED	4	SDEPLEXT	ADDRESS OF EXIT INTERFACE AREA
20	(14)	SIGNED	4	SDEPLEXL	LENGTH OF EXIT INTERFACE AREA
24	(18)	SIGNED	4	SDEPLDSP	POINTER TO THE DSPD
28	(1C)	CHARACTER	8	SDEPLJOB	Jobname requesting dump
36	(24)	CHARACTER	28		Reserved

Table 83. Cross Reference for SDEPL

Name	Offset	Hex Tag
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
SDEPL	0	
SDEPLCHA	0	
SDEPLDSP	18	
SDEPLERR	4	40
SDEPLEXE	4	80
SDEPLEXL	14	
SDEPLEXT	10	
SDEPLFLG	4	
SDEPLHD	8	
SDEPLJOB	1C	
SDEPLNOD	4	20
SDEPLRES	5	
SDEPLWA	C	

Chapter 12. SDIR Information

SDIR Heading Information

Common Name: VSM SQAT Directory
Macro ID: IGVSDIR
DSECT Name: SDIR
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: none
Storage Attributes: Subpool: nucleus
Key: 0
Residency: Above 16M line
Size: 88 bytes
Created by: n/a
Pointed to by: vcon (IGVTSDIR)
Serialization: None
Function: Directory for SQA SQATs and LSQA SQAT templates

SDIR mapping

Table 84. Structure SDIR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	88	SDIR	SQAT TABLE DIRECTORY
0	(0)	ADDRESS	4	SDIR226	ADDRESS OF 226 SQAT
4	(4)	ADDRESS	4	SDIRE226	ADDRESS OF EXTENDED 226 SQAT
8	(8)	ADDRESS	4	SDIR239	ADDRESS OF 239 SQAT
12	(C)	ADDRESS	4	SDIRE239	ADDRESS OF EXTENDED 239 SQAT
16	(10)	ADDRESS	4	SDIR245	ADDRESS OF 245 SQAT
20	(14)	ADDRESS	4	SDIRE245	ADDRESS OF EXTENDED 245 SQAT
24	(18)	ADDRESS	4	SDIR247	ADDRESS OF 247 SQAT
28	(1C)	ADDRESS	4	SDIRE247	ADDRESS OF E247 SQAT
32	(20)	ADDRESS	4	SDIR248	ADDRESS OF 248 SQAT
36	(24)	ADDRESS	4	SDIRE248	ADDRESS OF E248 SQAT
40	(28)	ADDRESS	4	SDIR255	ADDRESS OF 255 SQAT
44	(2C)	ADDRESS	4	SDIRE255	ADDRESS OF EXTENDED 255 SQAT
48	(30)	SIGNED	4	SDIRGLBL	MINIMUM NUMBER OF DUMMY DFES FOR SQA
52	(34)	SIGNED	4	SDIRLOCL	MINIMUM NUMBER OF DUMMY DFES FOR LSQA
56	(38)	ADDRESS	4	SDIR239R64	ADDRESS OF 239 SQAT R64
60	(3C)	ADDRESS	4	SDIRE239R64	ADDRESS OF EXTENDED 239 SQAT R64
64	(40)	ADDRESS	4	SDIR245R64	ADDRESS OF 245 SQAT R64
68	(44)	ADDRESS	4	SDIRE245R64	ADDRESS OF EXTENDED 245 SQAT R64
72	(48)	ADDRESS	4	SDIR247R64	ADDRESS OF 247 SQAT R64
76	(4C)	ADDRESS	4	SDIRE247R64	ADDRESS OF E247 SQAT R64
80	(50)	ADDRESS	4	SDIR248R64	ADDRESS OF 248 SQAT R64
84	(54)	ADDRESS	4	SDIRE248R64	ADDRESS OF E248 SQAT R64
88	(58)	CHARACTER	0	SDIREND	END OF SDIR MAP

SDIR mapping

Table 85. Cross Reference for SDIR

Name	Offset	Hex Tag
SDIR	0	
SDIREND	58	
SDIRE226	4	
SDIRE239	C	
SDIRE239R64	3C	
SDIRE245	14	
SDIRE245R64	44	
SDIRE247	1C	
SDIRE247R64	4C	
SDIRE248	24	
SDIRE248R64	54	
SDIRE255	2C	
SDIRGLBL	30	
SDIRLOCL	34	
SDIR226	0	
SDIR239	8	
SDIR239R64	38	
SDIR245	10	
SDIR245R64	40	
SDIR247	18	
SDIR247R64	48	
SDIR248	20	
SDIR248R64	50	
SDIR255	28	

Chapter 13. SDMPX Information

SDMPX Heading Information

Common Name:	SDUMP PARAMETER LIST
Macro ID:	IHASDMPX
DSECT Name:	SDUMP
Owning Component:	SVC Dump (SCDMP)
Eye-Catcher ID:	None
Storage Attributes:	Main Storage: One per dump request Subpool: Any Key: Any Residency: Any
Size:	DECIMAL 112, X'70' IF PLVER=1 OR NOT SPECIFIED DECIMAL 128, X'80' IF PLVER=2 DECIMAL 184, X'B8' IF PLVER=3
Created by:	IEECB866 and other dump requestors
Pointed to by:	R1 on entry to IEAVAD00 and IEAVTSDX RTCTSDPL for dump in progress
Serialization:	CS on RTCTSDPL
Function:	THIS IS THE MAPPING FOR THE PARAMETER LIST PRODUCED BY ALL FORMS OF THE SDUMPX MACRO.

SDMPX mapping

Table 86. Structure SDUMP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	184	SDUMP	
0	(0)	CHARACTER	1	SDUFLAG0	FIRST BYTE OF FLAGS
		1...		SDUDCB	1=USER SUPPLIED DCB 0=USE A SYS1.DUMP DATA SET
		.1..		SDUBUF	1=DUMP 4K SQA BUFFER 0=BYPASS 4K SQA BUFFER
		..1.		SDUSTOR	1=STORAGE LIST SPECIFIED 0=NO STORAGE LIST
		...1		SDUHDR	1=USER DATA SPECIFIED 0=NO USER DATA
		.... 1...		SDUECB	1=ECB SPECIFIED 0=ECB NOT SPECIFIED
		.... .1..		SDUASID	1=SCHEDULE DUMP REQUEST ASID SPECIFIED 0= ASID NOT SPECIFIED
		.... ..1.		SDUQUIET	1=SET SYSTEM NON-DISPATCHABLE WHILE DUMPING GLOBAL STORAGE 0=MAINTAIN CURRENT SYSTEM STATUS
		1		SDUBRANH	1=BRANCH ENTRY 0=SVC 51 ENTRY
1	(1)	CHARACTER	1	SDUFLAG1	SECOND BYTE OF FLAGS
		1...		SDUDTYPE	1=SVC DUMP REQUEST
		1...		DUMPTYPE	1=SVC DUMP REQUEST
		.1..		SDUABEND	1=SYSMDUMP REQUEST
		..1.		SDUNEW	1=ENHANCED SVC DUMP REQ
		...1		SDUASLST	1=ASIDLST SPECIFIED

Table 86. Structure SDUMP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		SDUSULST	1=SUMLIST SPECIFIED
		.... .1..		SDUIGNCD	1=IGNORE CHNGDUMP PARAMETERS
		.... ..1.		SDUTSOXT	1=TSO USER EXTENSION IS PRESENT
		1		SDUSE3P	1=JBB1226 PARMLIST
2	(2)	CHARACTER	2	SDUSDATA	SDATA OPTION FLAGS
2	(2)	CHARACTER	1	SDUSDAT1	1ST BYTE OF OPTIONS
		1...		SDUALPSA	DUMP ALL PSA'S
		.1..		SDUPSA	DUMP CURRENT PSA
		..1.		SDUNUC	DUMP THE NUCLEUS
		...1		SDUSQA	DUMP SQA
		.... 1...		SDULSQA	DUMP LSQA
		.... .1..		SDURGN	DUMP RGN-PRIVATE AREA
		.... ..1.		SDULPA	DUMP LPA MOD. FOR RGN
		1		SDUTRT	DUMP TRACE DATA
3	(3)	CHARACTER	1	SDUSDAT2	SECOND BYTE SDATA FLGS
		1...		SDUCSA	DUMP CSA
		.1..		SDUSWA	DUMP SWA
		..1.		SDUSMDMP	DUMP SUMMARY DUMP DATA
		...1		SDUNSMDP	DON'T DUMP SUMMARY DUMP
		.... 1...		SDUNAPSA	DO NOT DUMP ALL PSA
		.... .1..		SDUNASQA	DO NOT DUMP SQA
		.... ..1.		SDUALNUC	DUMP ALL NUCLEUS
		1		SDUDEFS	DEFAULTS
4	(4)	ADDRESS	4	SDUDCBAD	ADDRESS USER SUPPLIED DCB
8	(8)	ADDRESS	4	SDUSTORA	ADDRESS OF STORAGE LIST
12	(C)	ADDRESS	4	SDUHDRAD	ADDRESS OF USER DATA
16	(10)	ADDRESS	4	SDUECBAD	ADDRESS USER SUPPLIED ECB
16	(10)	ADDRESS	4	SDUSRBAD	SRB
20	(14)	CHARACTER	4	SDUMASID	
20	(14)	UNSIGNED	2	SDUCASID	CALLER'S ASID
22	(16)	UNSIGNED	2	SDUTASID	TARGET ASID OF SCHEDULE DUMP
24	(18)	ADDRESS	4	SDUASIDP	ADDRESS CALLERS ASIDLIST
28	(1C)	ADDRESS	4	SDUSUMLP	ADDRESS CALLERS SUMLIST
32	(20)	CHARACTER	8	SDUTUSID	TSO USER ID ASSOCIATED WITH THIS DUMP
32	(20)	ADDRESS	4	SDUSDDAT	ADDRESS OF SVC DUMP DATA AREAS MAPPED BY IHASDDAT - SET ON SYSMDUMP PATH ONLY
36	(24)	ADDRESS	4	SDUTDDAT	Transaction dump data area addr. Mapped by IHATDDAT. Set for transaction dumps only
40	(28)	CHARACTER	1	SDUFLAG2	BYTE OF SDUMP CONTROL FLAGS
		1...		SDULISTA	1=LISTA PARAMETER SPECIFIED
		.1..		SDUSLSTA	1=SUMLSTA KEYWORD SPECIFIED
		..1.		SDUSPEND	1= SUSPEND=YES SPECIFIED
		...1		SDUSUBPL	1=SUBPLST KEYWORD SPECIFIED
		.... 1...		SDUKEYS	1=KEYLIST KEYWORD SPECIFIED
		.... .1..		SDUAUTH	1=TRT REQUESTED FOR AN AUTHORIZED SYSMDUMP USER.
		.... ..1.		SDULSTD	LISTD
		1		SDUSLL	SUMLISTL
41	(29)	CHARACTER	1	SDUCNTL1	CONTROL FLAGS FOR IDENTIFYING NEW RELEASES OF SDUMP MACRO

Table 86. Structure SDUMP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		SDUSP21	1=RELEASE HBB2102 PARMLIST
		.1..		SDUVRSNB	1=VERSION NUMBER PRESENT
		..1.		SDUPSWR	1=PSWREGS AREA SPECIFIED
		...1		SDUSYMR	1=SYMREC SPECIFIED
		.... 1...		SDUID	1=ID IS SPECIFIED
		.... .1..		SDUWRITE	1=ECB IS TO BE POSTED OR SRB SCHEDULED AFTER THE WRITE PHASE HAS COMPLETED 0=(DEFAULT) ECB IS TO BE POSTED OR SRB SCHEDULED AFTER THE CAPTURE PHASE HAS COMPLETED
		.... ..1.		SDUSTREQ	1=STRLIST SPECIFIED
		1		SDUSRB	
42	(2A)	CHARACTER	1	SDUTYPE	SPECIFIED TYPE PARAMETERS
42	(2A)	CHARACTER	1	SDUTYP1	FIRST BYTE OF TYPE OPTIONS
		1...		SDUTYPXM	1=TYPE XMEM SPECIFIED
		.1..		SDUTPXME	1=TYPE XMEME SPECIFIED
		..1.		SDUTPNOL	1=TYPE NOLOCAL SPECIFIED
		...1		SDUTPFRC	1=TYPE FAILRC SPECIFIED
		.... 111.		*	RESERVED
		1		SDUREMOT	Remote SDUMP
43	(2B)	BITSTRING	1	SDUVERSN	VERSION ID, 1=SP3.1.0 2=MDUMP, 3=SP5.1.0
44	(2C)	CHARACTER	4	SDUSDTA2	EXTENDED SDATA OPTIONS
44	(2C)	CHARACTER	2	SDUEXIT	SDATA OPTIONS EXIT ROUTINES
44	(2C)	CHARACTER	1	SDUEDAT1	SDATA OPTIONS FOR SUPPORTED COMPONENT EXIT ROUTINES
		1...		SDUGRSQ	GRSQ COMPONENT EXIT SPECIFIED
		.1..		SDUMSTRC	1=MASTER TRACE AND GTF GLOBAL EXITS TO GET CONTROL
		..1.		SDUSMSX	SMSX LOCAL EXIT
		...1		SDUCOUPL	SDATA COUPLE OPTIONS SPECIFIED
		.... 1...		SDUXES	SDATA XESDATA OPTION SPECIFIED
		.... .1..		SDUIOEX	1=IOS EXIT TO GET CONTROL
		.... ..1.		SDUWLM	1=WLM EXIT TO GET CONTROL
		1		SDURSM	1=RSM EXIT TO GET CONTROL
45	(2D)	CHARACTER	1	SDUEDAT2	2ND BYTE OF DUMP EXITS
		1...		SDUSLIP	1=SLIP EXIT TO GET CONTROL
		.1..		SDUOPENE	1=OE EXIT TO GET CONTROL
		..1.		SDUTSVCD	1=Tailored SVC Dump was specified
		...1		SDURTM	1=RTM exit to get control
ADDITIONAL SDUMP EXITS SHOULD BE ADDED BEFORE THIS COMMENT AND THE FOLLOWING RESERVED BIT COUNT DECREMENTED.					
		 1111		*	RESERVED
46	(2E)	BITSTRING	1	SDUSDAT3	RESERVED FOR SDATA OPTIONS
		1...		SDUNODEF	1=NODEFAULTS SDATA OPTION SPECIFIED
		.1..		SDUIO	1=IODATA INCLUDED IN DUMP
		..1.		SDUHCAS	1=DUMP HCSA BY ASID
		...1		SDUHCNO	1=DUMP NO OWNER HCSA
		.... 1...		SDUHCSY	1=DUMP SYSTEM OWNED HCSA

Table 86. Structure SDUMP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .111		*	Available
47	(2F)	BITSTRING	1	SDUSDAT4	RESERVED FOR SDATA OPTIONS
48	(30)	ADDRESS	4	SDUSPLST	SUBPOOL LIST ADDRESS
52	(34)	ADDRESS	4	SDUKYLST	KEY LIST ADDRESS
56	(38)	ADDRESS	4	SDURGPSA	POINTER TO SLIP REGS AND PSW TO BE PLACED IN THE DUMP HEADER RECORD.
60	(3C)	SIGNED	4	SDUDCBA	ALET FOR DCB PARAMETER
64	(40)	SIGNED	4	SDUSTRAL	ALET FOR STORAGE PARAMETER
68	(44)	SIGNED	4	SDUHDRA	ALET FOR HDR PARAMETER
72	(48)	SIGNED	4	SDUASDLA	ALET FOR ASIDLIST PARAMETER
76	(4C)	SIGNED	4	SDUSMLA	ALET FOR SUMLIST PARAMETER
80	(50)	SIGNED	4	SDUSBPLA	ALET FOR SUBPLIST PARAMETER
84	(54)	SIGNED	4	SDUKEYLA	ALET FOR KEYLIST PARAMETER
88	(58)	ADDRESS	4	SDULSTDP	LISTD or LIST64 Address
92	(5C)	SIGNED	4	SDULSTDA	ALET FOR LISTD or LIST64 Parm
96	(60)	ADDRESS	4	SDUSMLLP	SUMLISTL or SUMLST64 Address
100	(64)	SIGNED	4	SDUSMLLA	ALET FOR SUMLISTL or SUMLST64
104	(68)	ADDRESS	4	SDUPSWRP	PSWREGS AREA ADDRESS
108	(6C)	SIGNED	4	SDUPSWRA	PSWREGS AREA ALET
112	(70)	ADDRESS	4	SDUSYMAD	SYMREC ADDRESS
116	(74)	SIGNED	4	SDUSYMA	SYMREC ALET
120	(78)	ADDRESS	4	SDUIDAD	ID ADDRESS
124	(7C)	SIGNED	4	SDUIDA	ID ALET
128	(80)	ADDRESS	4	SDUSLADR	ADDRESS OF USER SUPPLIED STRLIST
132	(84)	SIGNED	4	SDUSLALT	ALET OF USER SUPPLIED STRLIST
136	(88)	ADDRESS	4	SDUITADR	Address of user-supplied Incident Token
140	(8C)	SIGNED	4	SDUITALT	ALET of user-supplied Incident Token
144	(90)	ADDRESS	4	SDURMADR	Address of user-supplied REMOTE information
148	(94)	SIGNED	4	SDURMALT	ALET of user-supplied REMOTE Information
152	(98)	ADDRESS	4	SDUPDADR	Address of user-supplied problem description information
156	(9C)	SIGNED	4	SDUPDALT	ALET of user-supplied problem description information
160	(A0)	ADDRESS	4	SDUJLADR	Address of user-supplied JOBLIST information
164	(A4)	SIGNED	4	SDUJLALT	ALET of user-supplied JOBLIST information
168	(A8)	ADDRESS	4	SDUDLADR	Address of user-supplied DSPLIST information
172	(AC)	SIGNED	4	SDUDLALT	ALET of user-supplied DSPLIST information
176	(B0)	CHARACTER	1	SDUFLAG3	BYTE FOR SDUMP CONTROL FLAGS
		1...		SDULST64	1=LIST64 in SDULSTDP and SDULSTDA
		.1..		SDUSL64	1=SUMLST64 in SDUSMLLP and SDUSMLLA
		..1.		SDUCMD	SDUMPX was invoked by DUMP command

Table 86. Structure SDUMP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		SDUDFSPF	If 1, the DEFERTND keyword was specified via DUMP command
		.... 1...		SDUDEFER	If 1, the DEFERTND=YES was requested via DUMP command
177	(B1)	CHARACTER	3	*	Available
180	(B4)	ADDRESS	4	SDUUTKNA	Address of UTOKEN list

Table 87. Cross Reference for SDMPX

Name	Offset	Hex Tag
DUMPTYPE	1	80
SDUABEND	1	40
SDUALNUC	3	02
SDUALPSA	2	80
SDUASDLA	48	
SDUASID	0	04
SDUASIDP	18	
SDUASLST	1	10
SDUAUTH	28	04
SDUBRANH	0	01
SDUBUF	0	40
SDUCASID	14	
SDUCMD	B0	20
SDUCNTL1	29	
SDUCOUPL	2C	10
SDUCSA	3	80
SDUDCB	0	80
SDUDCBA	3C	
SDUDCBAD	4	
SDUDEFER	B0	08
SDUDEFS	3	01
SDUDFSPF	B0	10
SDUDLADR	A8	
SDUDLALT	AC	
SDUDTYPE	1	80
SDUECB	0	08
SDUECBAD	10	
SDUEDAT1	2C	
SDUEDAT2	2D	
SDUEXIT	2C	
SDUFLAG0	0	
SDUFLAG1	1	
SDUFLAG2	28	
SDUFLAG3	B0	
SDUGRSQ	2C	80
SDUHCAS	2E	20
SDUHCNO	2E	10
SDUHCSY	2E	08
SDUHDR	0	10

Table 87. Cross Reference for SDMPX (continued)

Name	Offset	Hex Tag
SDUHDRA	44	
SDUHDRAD	C	
SDUID	29	08
SDUIDA	7C	
SDUIDAD	78	
SDUIGNCD	1	04
SDUIO	2E	40
SDUIOEX	2C	04
SDUITADR	88	
SDUITALT	8C	
SDUJLADR	A0	
SDUJLALT	A4	
SDUKEYLA	54	
SDUKEYS	28	08
SDUKYLST	34	
SDULISTA	28	80
SDULPA	2	02
SDULSQA	2	08
SDULSTD	28	02
SDULSTDA	5C	
SDULSTDP	58	
SDULST64	B0	80
SDUMASID	14	
SDUMP	0	
SDUMSTRC	2C	40
SDUNAPSA	3	08
SDUNASQA	3	04
SDUNEW	1	20
SDUNODEF	2E	80
SDUNSMDP	3	10
SDUNUC	2	20
SDUOPENE	2D	40
SDUPDADR	98	
SDUPDALT	9C	
SDUPSA	2	40
SDUPSWR	29	20
SDUPSWRA	6C	
SDUPSWRP	68	
SDUQUIET	0	02
SDUREMOT	2A	01
SDURGN	2	04
SDURGPSA	38	
SDURMADR	90	
SDURMALT	94	
SDURSM	2C	01
SDURTM	2D	10
SDUSBPLA	50	
SDUSDATA	2	
SDUSDAT1	2	

Table 87. Cross Reference for SDMPX (continued)

Name	Offset	Hex Tag
SDUSDAT2	3	
SDUSDAT3	2E	
SDUSDAT4	2F	
SDUSDDAT	20	
SDUSDTA2	2C	
SDUSE3P	1	01
SDUSLADR	80	
SDUSLALT	84	
SDUSLIP	2D	80
SDUSLL	28	01
SDUSLSTA	28	40
SDUSL64	B0	40
SDUSMDMP	3	20
SDUSMLA	4C	
SDUSMLLA	64	
SDUSMLLP	60	
SDUSMSX	2C	20
SDUSPEND	28	20
SDUSPLST	30	
SDUSP21	29	80
SDUSQA	2	10
SDUSRB	29	01
SDUSRBAD	10	
SDUSTOR	0	20
SDUSTORA	8	
SDUSTRAL	40	
SDUSTREQ	29	02
SDUSUBPL	28	10
SDUSULST	1	08
SDUSUMLP	1C	
SDUSWA	3	40
SDUSYMA	74	
SDUSYMAD	70	
SDUSYMR	29	10
SDUTASID	16	
SDUTDDAT	24	
SDUTPFRC	2A	10
SDUTPNOL	2A	20
SDUTPXME	2A	40
SDUTRT	2	01
SDUTSOXT	1	02
SDUTSVCD	2D	20
SDUTUSID	20	
SDUTYPE	2A	
SDUTYPXM	2A	80
SDUTYP1	2A	
SDUUTKNA	B4	
SDUVERSN	2B	
SDUVRSNB	29	40

Table 87. Cross Reference for SDMPX (continued)

Name	Offset	Hex Tag
SDUWLM	2C	02
SDUWRITE	29	04
SDUXES	2C	08

Chapter 14. SDRSN Information

SDRSN Programming Interface Information

SDRSN is a programming interface.

SDRSN Heading Information

Common Name: SDUMP PARTIAL DUMP REASON CODE CONTROL BLOCK
Macro ID: IHASDRSN
DSECT Name: SDRSN
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: None
Storage Attributes:
```
Main Storage:  One per dump
Subpool:   Any
Key:       Any
Residency: Any
```
Size: DECIMAL 16, X'10'
Created by:
```
IEAVTSDI (SDWSDRSN)
IEAVTSDS (DPLSDRSN)
Dump requestor (SDSTPDRC)
```
Pointed to by: Overlay of SDWSDRSN, DPLSDRSN and SDSTPDRC fields
Serialization: NONE
Function:
```
IHASDRSN is a mapping macro which maps the bits which
SDUMP processing uses to indicate what occurred when it is
determined that portions of the dump data may be inaccurate.
The first word of SDRSN represents conditions which may
occur while processing a Branch-Entry or Scheduled SVC dump.
The modules most likely to have encountered the problem are
IEAVTSDX, IEAVTSSD, IEAVTSSV, IEAVTSSM AND IEAVTSDB.  (
In storage, these flags are originally kept in RTSDSRSN
field of IHARTSD.  They are subsequently moved into the
SDWSDRSN field of IHASDWRK.
An application may access this information by using the SRB
parameter of the SDUMP(X) macro invocation.  When the SRB
routine receives control the status area mapped by IHASDST
contains the SDSTPDRC field, which may then be mapped by
this macro.
```

SDRSN mapping

Table 88. Structure SDRSN

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDRSN	PARTIAL DUMP REASON CONTROL BLOCK
Partial Dump Message SRDSN Word 0 field - vvvvvvvv					
0	(0)	BITSTRING	4	SDRSCDMP(0)	REASON CODES FROM SCHEDULE DUMP PROCESSING
0	(0)	BITSTRING	1	SDRSCDM0(0)	

Table 88. Structure SDRSN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		SDRBASID	"X'80'" AN SRB COULD NOT BE SCHEDULED TO A REQUESTED ASID BECAUSE THE ASID DID NOT EXIST OR WAS IN THE PROCESS OF MEMORY TERMINATION.
		.1..		SDRNRSM4	"X'40'" NO SUMMARY DUMP COULD BE TAKEN BECAUSE SDUMP WAS UNABLE TO OBTAIN RSM SERIALIZATION. (HIERARCHY PROBLEM)
		..1.		SDRNRSM8	"X'20'" NO SUMMARY DUMP COULD BE TAKEN BECAUSE SDUMP WAS UNABLE TO OBTAIN RSM SERIALIZATION. (RSM CONTROL PROBLEM)
		...1		SDRNORSB	"X'10'" NO SUMMARY DUMP WAS TAKEN BECAUSE SDUMP WAS UNABLE TO OBTAIN A REAL STORAGE BUFFER FROM RSM. SET BY SSD.
		.... 1...		SDRSCHFR	"X'08'" RECOVERY ROUTINE SCHFRR IN IEAVTSDX RECEIVED CONTROL.
		.... .1..		SDRSUMFR	"X'04'" RECOVERY ROUTINE SUMFRR IN IEAVTSSD RECEIVED CONTROL.
		.... ..1.		SDRSSVFR	"X'02'" RECOVERY ROUTINE SSVFRR IN IEAVTSSV RECEIVED CONTROL.
1	(1)	BITSTRING	1	SDRSCDM1(0)	
		.1..		SDRSBERR	"X'40'" AN ERROR OCCURRED IN THE STEAL BACK ROUTINE IEAVTSDS IN IEAVTSSD WHICH CAUSED THE SUMMARY DUMP TO BE LOST
		..1.		SDRVBFUL	"X'20'" SOME DATA NOT MOVED IS SET BY IEAVTSSM WHEN THE VIRTUAL STORAGE BUFFER FILLS UP DURING A SUSPEND SUMMARY DUMP.
		...1		SDRRBFUL	"X'10'" THE REAL STORAGE BUFFER FILLED UP AND NO MORE SUMMARY DUMP DATA COULD BE DUMPED. (SET BY IEAVTSSM)
		.... 1...		SDRBRTRC	"X'08'" THE TRACE TABLES COULD NOT BE CAPTURED IN SDX OR SD2 BECAUSE OF SOME FAILURE IN THE SNAPTRC SERVICE.
2	(2)	BITSTRING	1	SDRSCDM2(0)	
		1...		SDRSSTUN	"X'80'" storage unavailable for >2G range collection
		.1..		SDRSUSTK	"X'40'" USERTOKEN access failed
		..1.		SDRSPSNC	"X'20'" some >2G private storage was not collected
		...1		SDRSERFP	"X'10'" extended range table filled while collecting >2G private
		.... 1...		SDRSERFC	"X'08'" extended range table filled while collecting >2G common (future)
		.... .111		SDRSM2RS	"X'07'" RESERVED
3	(3)	BITSTRING	1	SDRSCDM3	
		Partial Dump Message SRDSN Word 1 field - wwwwwwww			

Table 88. Structure SDRSN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	BITSTRING	4	SDRSVCD1(0)	FIRST WORD OF REASON CODES FOR THE SVC SDUMP PATH AND ALL MODULES CALLED FROM IEAVTSDT AND AFTER
4	(4)	BITSTRING	1	SDRSVCDB(0)	
		1...		SDRSDFRR	"X'80'" RECOVERY ROUTINE SDFRRRTN IN IEAVTSRR RECEIVED CONTROL.
		.1..		SDRESTAX	"X'40'" RECOVERY ROUTINE SDESTAEX IN IEAVTSRR RECEIVED CONTROL.
		..1.		SDRESTA1	"X'20'" RECOVERY ROUTINE DTESTAE1 IN IEAVTSDT RECEIVED CONTROL.
		...1		SDRDTFAL	"X'10'" DUMP TASK (IEAVTSDT) FAILED RECEIVED CONTROL.
		.... 1...		SDRSNPTR	"X'08'" SNAPTRC FAILED TO GET A SNAP SHOT OF THE TRACE TABLE.
		.... .1..		SDRSDBFR	"X'04'" RECOVERY ROUTINE SDBFRR IN IEAVTSDB RECEIVED CONTROL.
		.... ..1.		SDRESTA2	"X'02'" RECOVERY ROUTINE SDS_ESTAE IN IEAVTSDS RECEIVED CONTROL.
		1		SDRDSFAL	"X'01'" DUMP TASK (IEAVTSDS) FAILED AFTER IT RECEIVED CONTROL.
5	(5)	BITSTRING	1	SDRSVCDA(0)	
		1...		SDRTTSDR	"X'80'" A PARTIAL DUMP OCCURRED BECAUSE THE RESOURCE MANAGER CLEANED UP THE DUMP BECAUSE A TASK INVOLVED IN THE DUMP ABNORMALLY TERMINATED.
		.1..		SDRDESTA	"X'40'" RECOVERY ROUTINE DWTESTAE IN IEAVTDWT RECEIVED CONTROL.
		..1.		SDRMTSDR	"X'20'" A PARTIAL DUMP OCCURRED BECAUSE THE RESOURCE MANAGER CLEANED UP THE DUMP BECAUSE AN ADDRESS SPACE INVOLVED IN THE DUMP ABNORMALLY TERMINATED.
		...1		SDRDSSDR	"X'10'" A PARTIAL DUMP OCCURRED BECAUSE THE RESOURCE MANAGER CLEANED UP THE DUMP BECAUSE DUMPSRV ABNORMALLY TERMINATED.
		.... 1...		SDRHDROV	"X'08'" A PARTIAL DUMP OCCURRED BECAUSE IEAVTSDH DID NOT HAVE ENOUGH SPACE TO PLACE DATA IN THE DUMP HEADER
		.... .1..		SDRNOLCL	"X'04'" PARTIAL DUMP DUE TO PURGEDQ ISSUED AGAINST SRB WHICH WOULD TRIGGER TSDT TO COLLECT LOCAL STORAGE IN ONE OF THE ADDR SPACES IN THE DUMP

Table 88. Structure SDRSN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		SDRPLCL	"X'02'" Partial dump due to emergency dump attempt of possibly hung address space. Only LSQA is gathered.
		1		SDRIASID	"X'01'" Partial dump of possibly hung address space found invalidated ASID during processing. Data may not be consistent
6	(6)	BITSTRING	1	SDRSVCDC(0)	
		1...		SDRDSPNA	"X'80'" Partial dump due to requested data space inaccessible since ALESERV ADD failed.
		.1..		SDRNOMORELOCAL	"X'40'" If = '1'B Indicates that SDUMP truncated because no more data spaces could be allocated for local address space data capture
		..1.		SDRGDFUL	"X'20'" The Global data space was full
		.... 1...		SDRUTK1F	"X'08'" IEAVTVSM filled the address range while processing Usertoken(s) associat- ed with high virtual common storage. some data will not be available in the dump
		.... .1..		SDRUTK2F	"X'04'" IEAVTVSM filled the address range while processing Usertoken(s) associat- ed with high virtual private storage. some data will not be available in the dump
7	(7)	BITSTRING	1	SDRSVCDD	
		Partial Dump Message SRDSN Word 2 field - xxxxxxxx			
8	(8)	BITSTRING	4	SDRSVCD2(0)	SECOND WORD OF REASON CODES FOR THE SVC SDUMP PATH AND ALL MODULES CALLED FROM IEAVTSDT AND AFTER
8	(8)	BITSTRING	1	SDRSVCDE(0)	
		1...		SDRSDGFL	"X'80'" IEAVTSDG FILLED THE ADDRESS RANGE TABLE SOME DATA WAS NOT ADDED TO THE RANGE TABLE
		.1..		SDRSDLFL	"X'40'" IEAVTSDL FILLED THE ADDRESS RANGE TABLE SOME DATA WAS NOT ADDED TO THE RANGE TABLE
		..1.		SDRSDHFL	"X'20'" IEAVTSDH FILLED THE ADDRESS RANGE TABLE SOME DATA WAS NOT ADDED TO THE RANGE TABLE
		...1		SDRSDIOE	"X'10'" IEAVTSDO HAD AN I/O ERROR WRITING TO THE DUMP DATASET.
		.... 1...		SDRSDFUL	"X'08'" IEAVTSDO - THE DUMP DATASET IS FULL

Table 88. Structure SDRSN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		SDRSDWER	"X'04'" IEAVTSDW - ERROR WRITING SUMMARY DUMP
		.... ..1.		SDRSNTRC	"X'02'" IEAVTSDM - ERROR OBTAINING TRACE DATA
		1		SDRSRBER	"X'01'" ERROR OCCURRED IN IEAVTSRB
9	(9)	BITSTRING	1	SDRSVCDF(0)	
		1...		SDREXITE	"X'80'" ERROR OCCURRED IN A EXIT SOME DATA NOT INCLUDE IN DUMP
		.1..		SDRSDEOD	"X'40'" ERROR OCCURRED WHILE WRITING END OF DATA (EOD) RECORD ON DUMP DATASET
		..1.		SDRSDT2F	"X'20'" IEAVTSD2 OR IEAVTSD3 FILLED RANGE TABLE TWO, SOME RANGES WERE NOT ADDED
		...1		SDRSD3ER	"X'10'" ERROR OCCURRED IN IEAVTSD3
		.... 1...		SDRSD4ER	"X'08'" ERROR OCCURRED IN IEAVTSD4
		.... .1..		SDRLSTDF	"X'04'" ERROR OCCURRED WHILE PROCESSING LISTD SPECIFIED DATA SPACES
		.... ..1.		SDRSDT1F	"X'02'" IEAVTSD2 OR IEAVTSD3 FILLED RANGE TABLE ONE, SOME RANGES WERE NOT ADDED
		1		SDRSPMX	"X'01'" IF = '1'B INDICATES THAT SDUMP TRUNCATED BECAUSE MAXSPACE LIMIT HAS BEEN REACHED
10	(A)	BITSTRING	1	SDRSVCDG(0)	
		1...		SDRSQAFL	"X'80'" IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING SQA PARAMETER - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		.1..		SDRCSAFL	"X'40'" IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING CSA PARAMETER - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		..1.		SDRGSPFL	"X'20'" IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING GLOBAL SUBPOOLS - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		...1		SDRLSQAF	"X'10'" IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING LSQA PARAMETER - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		.... 1...		SDRRGNFL	"X'08'" IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING RGN PARAMETER - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP

Table 88. Structure SDRSN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		SDRLSPFL	"X'04'" IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING PRIVATE SUBPOOLS - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		.... ..1.		SDRSWAFL	"X'02'" IEAVTVSM FILLED THE SDUMP ADDRESS RANGE TABLE WHILE PROCESSING SWA PARAMETER - SOME DATA WILL NOT BE AVAILABLE IN THE DUMP
		1		SDRSD3GL	"X'01'" SD3 COULD NOT DUMP SOME RANGES OF COMMON STORAGE
11	(B)	BITSTRING	1	SDRDATSP(0)	Byte containing indicators of data space problems
		1...		SDREDATS	"X'80'" Bit used to indicate that either the Exit data space could not be created or the Exit data space was created, but could not obtain an alet to access the data space. Either one of the previous two events could cause the following data to be missing from an SVC dump: Early Global Exit data, Late Global Exit data and the System trace table. If processing a synchronous SVC dump the following data may be missing from the dump in addition to the data mention above: Local Exit data, One-Time-Only Exit data, and Console Loop Trace data
		.1..		SDRSDATS	"X'40'" Bit used to indicate that either the Summary dump data space could not be created or the Summary dump data space was created, but alet was not obtained to access the data space. Either one of the previous two events will cause Summary dump to be absent from the SVC dump.
		..1.		SDRLDATS	"X'20'" Bit used to indicate that either the Local data space could not be created or the Local data space was created, but an alet was not obtained to access the data space. Either one of the previous two events will cause private storage to be absent from the SVC dump.

Table 88. Structure SDRSN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		SDRGDATS	"X'10'" Bit used to indicate that either the Global data space could not be created or the Global data space was created, but an alet was not obtained to access the data space. Either one of the previous two events will cause Global storage to be absent from the SVC dump.
		.... 1...		SDRXDATS	"X'08'" SVC Dump could not create or could not use data spaces which are required to process the STRLIST request. Some data will not be included in the dump.
		.... ..1.		SDREXDSF	"X'02'" Bit used to indicate that exit dataspace is full
		1		SDRAUXSH	"X'01'" SVC Dump was truncated because SRM detected that there was a critical auxiliary storage shortage condition at the time of the dump
Partial Dump Message SRDSN Word 3 field - zzzzzzzz					
12	(C)	BITSTRING	4	SDRSVCD3(0)	THIRD WORD OF REASON CODES FOR THE SVC SDUMP PATH AND ALL MODULES CALLED FROM IEAVTSDT AND AFTER
12	(C)	BITSTRING	1	SDRSDBND(0)	BYTE CONTAINING PARTIAL DUMP FLAGS SET BY IEAVTSDB AS THE NON-DISPATCHABILITY TIMER DIE PROCESSOR. IF ANY OF THESE FLAGS ARE ON WHEN IEAVTSDC GETS CONTROL, THEN MESSAGE IEA911E WILL BE ISSUED WITH SPECIAL MESSAGE TEXT
		1...		SDRSDISP	"X'80'" IEAVTSDB HAS RESET THE SYSTEM DISPATCHABLE WHEN SDUMP HAS EITHER HUNG OR TERMINATED WITHOUT RESETTING THE SYSTEM
		.1..		SDRTDISP	"X'40'" IEAVTSDB HAS RESET THE TASKS OF AN ADDRESS SPACE INVOLVED IN THE DUMP WHEN SDUMP HAS EITHER HUNG OR TERMINATED WITHOUT RESETTING THE TASKS
		..1.		SDRRESET	"X'20'" IEAVTSDB HAS RESET THE UNIT OF WORK STOPPED BY IEAVTSSD (AS PART OF SUSPEND SUMMARY DUMP PROCESSING) WHEN SDUMP HAS EITHER HUNG OR TERMINATED WITHOUT DOING THE RESET

Table 88. Structure SDRSN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		SDRSRSET	"X'10'" Because SDUMP appears to be hung, IEAVTSDB has released serialization for all serialized structures specified in the STRLIST
		.... 1...		SDRRLRSB	"X'08'" Because SDUMP appears to be hung, IEAVTSDB has released real storage buffers containing summary dump records
		.... .1..		SDRSNDSP	"X'04'" The system has been reset to be dispatchable because the duration of the system being set non-dispatchable exceeded the maximum time interval.
13	(D)	BITSTRING	1	SDRSTRL(0)	Partial dump bits relating to STRLIST processing
		1...		SDRSTRFF	"X'80'" Facility not available. Some structures will not be dumped.
		.1..		SDRSTRSF	"X'40'" The structure is not available 1) Structure failure detected and the structure cannot be accessed OR 2) Structure is not allocated
		..1.		SDRSTRNS	"X'20'" No facility dump space allocated or no facility dump space is available because it is being used to hold structure dump tables for other structure dumps
		...1		SDRSTRLU	"X'10'" Possible error in STRLIST parameter list: 1) Structure does not exist in policy 2) Structure type is not compatible with range options 3) Lock structure was requested - SDUMP does not support lock structures
		.... 1...		SDRSTRLE	"X'08'" Some or all of the STRLIST could not be processed
		.... .1..		SDRSTRRS	"X'04'" Structure dump serialization was released before all the data was captured. Note that if serialization was released during capture of the entry data, this bit will be set only when some entry data was requested serialized but was captured after serialization was released.
		.... ..1.		SDRSTRRC	"X'02'" Recovery received control while processing STRLIST

Table 88. Structure SDRSN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SDRSTRPS	"X'01'" SVC Dump was unable to continue processing a structure requested in the STRLIST parameter list. This may be because the structure dump was deleted by the operator via the SETXCF FORCE command.
14	(E)	BITSTRING	1	SDRSVCDK(0)	More flags
		1...		SDRREMOT	"X'80'" Recovery received control while building the remote SDUMP signal(s)
15	(F)	BITSTRING	1	SDRSVCDL	More flags
15	(F)	X'10'	0	SDRSN_LEN	"*-SDRSN"

Table 89. Cross Reference for SDRSN

Name	Offset	Hex Tag
SDRAUXSH	B	1
SDRBASID	0	80
SDRBRTRC	1	8
SDRCSAFL	A	40
SDRDATSP	B	
SDRDESTA	5	40
SDRDSFAL	4	1
SDRDSPNA	6	80
SDRDSSDR	5	10
SDRDTFAL	4	10
SDREDATS	B	80
SDRESTAX	4	40
SDRESTA1	4	20
SDRESTA2	4	2
SDREXDSF	B	2
SDREXITE	9	80
SDRGDATS	B	10
SDRGDFUL	6	20
SDRGSPFL	A	20
SDRHDROV	5	8
SDRIASID	5	1
SDRLDATS	B	20
SDRLSPFL	A	4
SDRLSQAF	A	10
SDRLSTDF	9	4
SDRMTSDR	5	20
SDRNOLCL	5	4
SDRNOMORELOCAL	6	40
SDRNORSB	0	10
SDRNRSM4	0	40
SDRNRSM8	0	20
SDRPLCL	5	2
SDRRBFUL	1	10

Table 89. Cross Reference for SDRSN (continued)

Name	Offset	Hex Tag
SDRREMOT	E	80
SDRRESET	C	20
SDRRGNFL	A	8
SDRRLRSB	C	8
SDRSBERR	1	40
SDRSCDMP	0	
SDRSCDM0	0	
SDRSCDM1	1	
SDRSCDM2	2	
SDRSCDM3	3	
SDRSCHFR	0	8
SDRSDATS	B	40
SDRSDBFR	4	4
SDRSDBND	C	
SDRSDEOD	9	40
SDRSDFRR	4	80
SDRSDFUL	8	8
SDRSDGFL	8	80
SDRSDHFL	8	20
SDRSDIOE	8	10
SDRSDISP	C	80
SDRSDLFL	8	40
SDRSDT1F	9	2
SDRSDT2F	9	20
SDRSDWER	8	4
SDRSD3ER	9	10
SDRSD3GL	A	1
SDRSD4ER	9	8
SDRSERFC	2	8
SDRSERFP	2	10
SDRSM2RS	2	7
SDRSN	0	
SDRSN_LEN	F	10
SDRSNDSP	C	4
SDRSNPTR	4	8
SDRSNTRC	8	2
SDRSPMX	9	1
SDRSPSNC	2	20
SDRSQAFL	A	80
SDRSRBER	8	1
SDRSRSET	C	10
SDRSSTUN	2	80
SDRSSVFR	0	2
SDRSTRFF	D	80
SDRSTRL	D	
SDRSTRLE	D	8
SDRSTRLU	D	10
SDRSTRNS	D	20
SDRSTRPS	D	1

Table 89. Cross Reference for SDRSN (continued)

Name	Offset	Hex Tag
SDRSTRRC	D	2
SDRSTRRS	D	4
SDRSTRSF	D	40
SDRSUMFR	0	4
SDRSUSTK	2	40
SDRSVCDA	5	
SDRSVCDB	4	
SDRSVCDC	6	
SDRSVCDD	7	
SDRSVCDE	8	
SDRSVCDF	9	
SDRSVCDG	A	
SDRSVCDK	E	
SDRSVCDL	F	
SDRSVCD1	4	
SDRSVCD2	8	
SDRSVCD3	C	
SDRSWAFL	A	2
SDRTDISP	C	40
SDRTTSDR	5	80
SDRUTK1F	6	8
SDRUTK2F	6	4
SDRVBFUL	1	20
SDRXDATS	B	8

Chapter 15. SDST Information

SDST Programming Interface Information

SDST is a programming interface.

SDST Heading Information

Common Name: SVC DUMP Status Area
Macro ID: IHASDST
DSECT Name: SDSTATUS
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: None
Storage Attributes:
```
Subpool:   Caller Specified
Key:       Caller Determined
Data Space: None
Residency: any,any
```
Size: 24 bytes or 72 bytes
Created by: Caller
Pointed to by: Caller
Serialization: None. The storage is owned by the caller.
Function: The SVC DUMP Status Area is used by SVC DUMP to communicate with the caller of SDUMP(X) who specified SRB= on the invocation of the SDUMP(X) macro. The Return Code, the the NO-DUMP Reason Code, and the Partial DUMP Reason Codes are mapped in this macro.

SDST mapping

Table 90. Structure SDSTATUS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDSTATUS	
0	(0)	ADDRESS	4	SDST(0)	Force fullword alignment
0	(0)	SIGNED	2	SDSTLEN	Length of SDSTATUS as filled in by the caller
2	(2)	SIGNED	1	SDSTRETC	SDUMP return code: 0 - Complete DUMP, 4 - Partial DUMP, 8 - No DUMP,
3	(3)	SIGNED	1	SDSTNDRC	NO-DUMP Reason Code
4	(4)	CHARACTER	16	SDSTPDRC	Reason Code for a Partial DUMP. This is a string of flags that is mapped by IHASDRSN.
20	(14)	CHARACTER	16		Reserved
36	(24)	CHARACTER	44	SDSTDSN	Dump dataset name
80	(50)	CHARACTER	4		Reserved
84	(54)	SIGNED	4	SDSTEND(0)	End of SDSTATUS
84	(54)	X'54'	0	SDSTDSNL	"SDSTEND-SDST" Length of the SDSTATUS with DSN
84	(54)	X'18'	0	SDSTLENC	"24" Length of SDSTATUS area w/o DSN

SDST mapping

Table 91. Cross Reference for SDST

Name	Offset	Hex Tag
SDST	0	
SDSTATUS	0	
SDSTDSN	24	
SDSTDSNL	54	54
SDSTEND	54	
SDSTLEN	0	
SDSTLENC	54	18
SDSTNDRC	3	
SDSTPDRC	4	
SDSTRETC	2	

Chapter 16. SDUMP Information

SDUMP Heading Information

Common Name:	SDUMP PARAMETER LIST
Macro ID:	IHASDUMP
DSECT Name:	SDUMP
Owning Component:	SVC Dump (SCDMP)
Eye-Catcher ID:	None
Storage Attributes:	Main Storage: One per dump request Subpool: Any Key: Any Residency: Any
Size:	DECIMAL 68, X'44' IF PLISTVER=1 OR NOT SPECIFIED DECIMAL 128, X'80' IF PLISTVER=2 DECIMAL 184, X'B8' IF PLISTVER=3
Created by:	IEECB866 and other dump requestors
Pointed to by:	R1 on entry to IEAVAD00 and IEAVTSDX RTCTSDPL for dump in progress
Serialization:	CS on RTCTSDPL
Function:	THIS IS THE MAPPING FOR THE PARAMETER LIST PRODUCED BY ALL FORMS OF THE SDUMP MACRO.

SDUMP mapping

Table 92. Structure SDUMP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDUMP	, SDUMPPTR SDUMP PARAMETER LIST
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	BITSTRING	1	SDUFLAG0	FIRST BYTE OF FLAGS
		1...		SDUDCB	"BIT0" 1=USER SUPPLIED DCB 0=USE OF SYS1.DUMP DATA SET
		.1..		SDUBUF	"BIT1" 1=DUMP 4K SQA BUFFER 0=BYPASS 4K SQA BUFFER
		..1.		SDUSTOR	"BIT2" 1=STORAGE LIST SPECIFIED 0=NO STORAGE LIST
		...1		SDUHDR	"BIT3" 1=USER DATA SPECIFIED 0=NO USER DATA
		.... 1...		SDUECB	"BIT4" 1=ECB SPECIFIED 0=ECB NOT SPECIFIED
		.... .1..		SDUASID	"BIT5" 1=SCHEDULE DUMP REQUEST ASID SPECIFIED 0=ASID NOT SPECIFIED

Table 92. Structure SDUMP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		SDUQUIET	"BIT6" 1=SET SYSTEM NON-DISPATCHABLE WHILE DUMPING GLOBAL STORAGE 0=MAINTAIN CURRENT SYSTEM STATUS
		1		SDUBRANH	"BIT7" 1=BRANCH ENTRY 0=SVC 51 ENTRY
1	(1)	BITSTRING	1	SDUFLAG1	SECOND BYTE OF FLAGS
		1...		SDUDTYPE	"BIT0" 1=SVC DUMP REQUEST @L1A
		1...		DUMPTYPE	"BIT0" 1=SVC DUMP REQUEST
		.1..		SDUABEND	"BIT1" 1=SYSMDUMP REQUEST
		..1.		SDUNEW	"BIT2" 1=ENHANCED SVC DUMP REQUEST
		...1		SDUASLST	"BIT3" 1=ASIDLST SPECIFIED
		.... 1...		SDUSULST	"BIT4" 1=SUMLIST SPECIFIED
		.... .1..		SDUIGNCD	"BIT5" 1=IGNORE CHNGDUMP OPTIONS
		.... ..1.		SDUTSOXT	"BIT6" 1=TSO USER EXTENSION PRESENT
		1		SDUSE3P	"BIT7" 1=JBB1226 PARMLIST
2	(2)	BITSTRING	2	SDUSDATA(0)	SDATA OPTION FLAGS
2	(2)	BITSTRING	1	SDUSDAT1	FIRST BYTE OF SDATA FLAGS
		1...		SDUALPSA	"BIT0" DUMP ALL PSA'S IN SYSTEM
		.1..		SDUPSA	"BIT1" DUMP THE CURRENT PSA
		..1.		SDUNUC	"BIT2" DUMP THE NUCLEUS
		...1		SDUSQA	"BIT3" DUMP SQA
		.... 1...		SDULSQA	"BIT4" DUMP LSQA
		.... .1..		SDURGN	"BIT5" DUMP REGION (PRIVATE AREA)
		.... ..1.		SDULPA	"BIT6" DUMP ACTIVE LPA MOD. FOR RGN
		1		SDUTRT	"BIT7" DUMP TRACE TABLE / GTF BUFFERS
3	(3)	BITSTRING	1	SDUSDAT2	SECOND BYTE OF SDATA FLAGS
		1...		SDUCSA	"BIT0" DUMP CSA
		.1..		SDUSWA	"BIT1" DUMP SWA FOR REGION
		..1.		SDUSMDMP	"BIT2" SUMMARY DUMP REQUESTED
		...1		SDUNSMDP	"BIT3" DO NOT DUMP SUMMARY DUMP
		.... 1...		SDUNAPSA	"BIT4" DO NOT DUMP ALL PSA
		.... .1..		SDUNASQA	"BIT5" DO NOT DUMP SQA
		.... ..1.		SDUALNUC	"BIT6" DUMP ALL NUCLEUS AREAS
		1		SDUDEFS	"BIT7" USE DEFAULTS
4	(4)	ADDRESS	4	SDUDCBAD	ADDRESS USER SUPPLIED DCB
8	(8)	ADDRESS	4	SDUSTORA	ADDRESS OF LISTA OR STORAGE RANGES
12	(C)	ADDRESS	4	SDUHDRAD	ADDRESS OF USER DATA
16	(10)	ADDRESS	4	SDUSRBAD(0)	ADDRESS OF USER SUPPLIED SRB
16	(10)	ADDRESS	4	SDUECBAD	ADDRESS USER SUPPLIED ECB
20	(14)	ADDRESS	4	SDUMASID(0)	SCHEDULE DUMP ASIDS
20	(14)	ADDRESS	2	SDUCASID	CALLERS ASID
22	(16)	ADDRESS	2	SDUTASID	TARGET ASID OF SCHEDULE DUMP
24	(18)	ADDRESS	4	SDUASIDP	ADDRESS CALLERS ASID LIST
28	(1C)	ADDRESS	4	SDUSUMLP	ADDRESS CALLERS SUMMARY LIST
32	(20)	CHARACTER	8	SDUTUSID(0)	TSO USER ID THIS DUMP

Table 92. Structure SDUMP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
32	(20)	ADDRESS	4	SDUSDDAT	ADDRESS OF SVC DUMP DATA AREAS MAPPED BY IHASDDAT - SET ON SYSMDUMP PATH ONLY
36	(24)	ADDRESS	4	SDUTDDAT	Transaction dump data area addr. Mapped by IHATDDAT. Set for transaction dumps only
40	(28)	BITSTRING	1	SDUFLAG2	BYTE OF SDUMP CONTROL FLAGS
		1...		SDULISTA	"BIT0" 1=LISTA PARAMETER SPECIFIED 0=LISTA PARAMETER NOT SPECIFIED
		.1..		SDUSLSTA	"BIT1" 1=SUMLSTA PARAMETER SPECIFIED 0=SUMLSTA PARAMETER NOT SPECIFIED
		..1.		SDUSPEND	"BIT2" 1=SUSPEND=YES PARAMETER SPECIFIED 0=SUSPEND=NO OF PARAMETER LEFT OFF
		...1		SDUSUBPL	"BIT3" SPECIFIES PARAMETER SUBPLST POINTER IS IN FIELD SDUSPLST
		.... 1...		SDUKEYS	"BIT4" SPECIFIES PARAMETER KEYLIST POINTER IS IN FIELD SDUKYLST
		.... .1..		SDUAUTH	"BIT5" TRT REQUESTED FOR AN AUTHORIZED SYSMDUMP USER. SET BY ABDUMP
		BIT6 RESERVED FOR MVS/ESA BIT7 RESERVED FOR MVS/ESA			
41	(29)	BITSTRING	1	SDUCNTL1	CONTROL BYTE USED TO SPECIFY NEW RELEASES TO DETERMINE PARAMETER LIST LENGTH
		1...		SDUSP21	"BIT0" RELEASE HBB2102 PARAMETER LIST
		.1..		SDUVRSNB	"BIT1" 1=VERSION BIT PRESENT
		..1.		SDUPSWR	"BIT2" 1=PSWREGS SPECIFIED
		...1		SDUSYMR	"BIT3" 1=SYMREC SPECIFIED
		.... 1...		SDUID	"BIT4" 1=ID/IDAD SPECIFIED
		EQU BIT5 RESERVED FOR MVS/ESA			
		.... ..1.		SDUSTREQ	"BIT6" 1=STRLIST SPECIFIED
		1		SDUSRB	"BIT7" ON, SRB KEYWORD WAS SPECIFIED
42	(2A)	BITSTRING	1	SDUTYPE(0)	BYTE DESCRIBING TYPE PARAMETER
42	(2A)	BITSTRING	1	SDUTYP1	FIRST BYTE OF TYPE PARAMETERS
		1...		SDUTYPXM	"BIT0" 1=TYPE XMEM SPECIFIED 0=TYPE XMEM NOT SPECIFIED
		.1..		SDUTPXME	"BIT1" 1=TYPE XMEME SPECIFIED 0=TYPE XMEME NOT SPECIFIED
		..1.		SDUTPNOL	"BIT2" 1=TYPE NOLOCAL SPECIFIED 0=TYPE NOLOCAL NOT SPECIFIED
		...1		SDUTPFRC	"BIT3" 1=TYPE FAILRC SPECIFIED 0=TYPE FAILRC NOT SPECIFIED
43	(2B)	BITSTRING	1	SDUVERSN	VERSION NUMBER
44	(2C)	BITSTRING	4	SDUSDTA2(0)	EXTENDED SDATA OPTIONS
44	(2C)	BITSTRING	2	SDUEXIT(0)	EXIT ROUTINE OPTIONS

Table 92. Structure SDUMP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
44	(2C)	BITSTRING	1	SDUEDAT1	SDATA OPTIONS FOR EXIT ROUTINES
		1...		SDUGRSQ	"BIT0" 1=GRSQ SDATA OPTION WAS SPECIFIED
		.1..		SDUMSTRC	"BIT1" 1=MASTER TRACE OPTION AND GTF EXIT OPTION SPECIFIED
		..1.		SDUSMSX	"BIT2" 1=SMSX LOCAL EXIT
		...1		SDUCOUPL	"BIT3" 1=COUPLE - FOR SDUMPX ONLY
		.... 1...		SDUXES	"BIT4" 1=XESDATA - FOR SDUMPX ONLY
		.... .1..		SDUIOEX	"BIT5" 1=IOS GLOBAL EXIT WILL BE INVOKED
		.... ..1.		SDUWLM	"BIT6" 1=WLM SDATA OPTION WAS SPECIFIED
		1		SDURSM	"BIT7" 1=RSM SDATA OPTION WAS SPECIFIED
45	(2D)	BITSTRING	1	SDUEDAT2	2ND SDATA EXIT BYTE
		1...		SDUSLIP	"BIT0" 1=SLIP SDATA OPTION WAS SPECIFIED
		.1..		SDUOPENE	"BIT1" 1=OE SDATA OPTION WAS SPECIFIED
		..1.		SDUTSVCD	"BIT2" 1=TAILORED SVC DUMP WAS SPECIFIED
46	(2E)	BITSTRING	1	SDUSDAT3	MORE SDATA OPTIONS
		1...		SDUNODEF	"BIT0" 1=NODEFAULTS
		.1..		SDUIO	"BIT1" 1=I/O AREAS
47	(2F)	BITSTRING	1	SDUSDAT4	MORE SDATA OPTIONS
48	(30)	ADDRESS	4	SDUSPLST	ADDRESS OF SUBPOOL LIST
52	(34)	ADDRESS	4	SDUKYLST	ADDRESS OF KEYLIST
56	(38)	ADDRESS	4	SDURGPSA	ADDRESS OF SLIP REGS/PSW FOR THE DUMP HEADER RECORD
60	(3C)	ADDRESS	4	(2)	RESERVED

Table 93. Cross Reference for SDUMP

Name	Offset	Hex Tag
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
DUMPTYPE	1	80
SDUABEND	1	40
SDUALNUC	3	2
SDUALPSA	2	80
SDUASID	0	4
SDUASIDP	18	
SDUASLST	1	10
SDUAUTH	28	4

Table 93. Cross Reference for SDUMP (continued)

Name	Offset	Hex Tag
SDUBRANH	0	1
SDUBUF	0	40
SDUCASID	14	
SDUCNTL1	29	
SDUCOUPL	2C	10
SDUCSA	3	80
SDUDCB	0	80
SDUDCBAD	4	
SDUDEFS	3	1
SDUDTYPE	1	80
SDUECB	0	8
SDUECBAD	10	
SDUEDAT1	2C	
SDUEDAT2	2D	
SDUEXIT	2C	
SDUFLAG0	0	
SDUFLAG1	1	
SDUFLAG2	28	
SDUGRSQ	2C	80
SDUHDR	0	10
SDUHDRAD	C	
SDUID	29	8
SDUIGNCD	1	4
SDUIO	2E	40
SDUIOEX	2C	4
SDUKEYS	28	8
SDUKYLST	34	
SDULISTA	28	80
SDULPA	2	2
SDULSQA	2	8
SDUMASID	14	
SDUMP	0	
SDUMSTRC	2C	40
SDUNAPSA	3	8
SDUNASQA	3	4
SDUNEW	1	20
SDUNODEF	2E	80
SDUNSMDP	3	10
SDUNUC	2	20
SDUOPENE	2D	40
SDUPSA	2	40
SDUPSWR	29	20
SDUQUIET	0	2
SDURGN	2	4
SDURGPSA	38	
SDURSM	2C	1
SDUSDATA	2	
SDUSDAT1	2	
SDUSDAT2	3	

Table 93. Cross Reference for SDUMP (continued)

Name	Offset	Hex Tag
SDUSDAT3	2E	
SDUSDAT4	2F	
SDUSDDAT	20	
SDUSDTA2	2C	
SDUSE3P	1	1
SDUSLIP	2D	80
SDUSLSTA	28	40
SDUSMDMP	3	20
SDUSMSX	2C	20
SDUSPEND	28	20
SDUSPLST	30	
SDUSP21	29	80
SDUSQA	2	10
SDUSRB	29	1
SDUSRBAD	10	
SDUSTOR	0	20
SDUSTORA	8	
SDUSTREQ	29	2
SDUSUBPL	28	10
SDUSULST	1	8
SDUSUMLP	1C	
SDUSWA	3	40
SDUSYMR	29	10
SDUTASID	16	
SDUTDDAT	24	
SDUTPFRC	2A	10
SDUTPNOL	2A	20
SDUTPXME	2A	40
SDUTRT	2	1
SDUTSOXT	1	2
SDUTSVCD	2D	20
SDUTUSID	20	
SDUTYPE	2A	
SDUTYPXM	2A	80
SDUTYP1	2A	
SDUVERSN	2B	
SDUVRSNB	29	40
SDUWLM	2C	2
SDUXES	2C	8

Chapter 17. SDWA Information

SDWA Programming Interface Information

ONLY the following fields are part of the programming interface information:

- SDWAABCC
- SDWAABTM
- SDWAAEC1
- SDWAAEC2
- SDWAARER
- SDWAARGU
- SDWAARSV
- SDWAASCB
- SDWACID
- SDWACIDB
- SDWACLUP
- SDWACOMP
- SDWACOMU
- SDWACRC
- SDWACRGS
- SDWACTS
- SDWAEC1
- SDWAEC2
- SDWAEPA
- SDWAERRB
- SDWAERRC
- SDWAFIOB
- SDWAFMID
- SDWAFPRX
- SDWAGRSV
- SDWAG64
- SDWAIDNT
- SDWAIOFS
- SDWALSLV
- SDWAMABD
- SDWAMCHK
- SDWAMCIV
- SDWAMLVL
- SDWANAME
- SDWANRBE
- SDWAOCRC
- SDWAPARM
- SDWAPCHK

- SDWAPGIO
- SDWAPSWU
- SDWAPSW16
- SDWARA
- SDWAREGU
- SDWARELEASECODE
- SDWARFXM
- SDWARKEY
- SDWARPIV
- SDWARRL
- SDWARTAM
- SDWASABC
- SDWASC
- SDWASDRC
- SDWASFLG
- SDWASRSV
- SDWASRVP
- SDWASTAE
- SDWASVCD
- SDWASVCE
- SDWATEAR
- SDWATEXC
- SDWATX_PITDB_EC1
- SDWATX_PITDB_GRSV
- SDWATX_PITDB_G64
- SDWATX_PITDB_PSW16
- SDWATYPE
- SDWAVRIV
- SDWAXFLG
- SDWAXPAD

SDWA Heading Information

Common Name:	SYSTEM DIAGNOSTIC WORK AREA
Macro ID:	IHASDWA
DSECT Name:	SDWA, SDWARC1, SDWARC2, SDWARC3, SDWARC4, SDWARC5, SDWAPTS, SDWANRC1, SDWANRC2, SDWANRC3
Owning Component:	RECOVERY TERMINATION MANAGER (SCRTM)
Eye-Catcher ID:	SDWA Offset: X'293' Length: 5
Storage Attributes:	Subpool: 0 OR 230 OR 239 Key: TCB KEY FOR SUBPOOL 0, OTHERWISE KEY 0 Residency: Above or below the 16M line, depending on the recovery routine that the SDWA is provided for
Size:	Variable, depending on which which extensions are provided with the SDWA.

Created by: GLOBAL SDWAS ARE PREALLOCATED, GETMAINED SDWAS ARE OBTAINED BY IEAVTR1S, TASK MODE SDWAS ARE OBTAINED BY IEAVTRT2 AND IEAVTAS1

Pointed to by: REGISTER 1 UPON ENTRY TO AN FRR, REGISTER 1 UPON ENTRY TO AN ESTAE-TYPE RECOVERY ROUTINE IF REGISTER 0 DOES NOT CONTAIN 12 (X'0C').
ADJACENT TO EACH SUPER FRR STACK (GLOBAL SDWA)
RT1WRTCA FIELD OF THE RT1W DATA AREA
RT1WSD24 FIELD OF THE RT1W DATA AREA
RT1WSD31 FIELD OF THE RT1W DATA AREA
RTM2RTCA AND RTM2SDW2 FIELD OF THE RTM2WA DATA AREA FOR TASK MODE SDWAS

Serialization: GLOBAL SDWA - PHYSICALLY DISABLED OR GLOBALLY LOCKED
GETMAINED SDWA - SRB MODE, LOCALLY LOCKED, OR NONE

Function: THE SDWA PROVIDES FOR COMMUNICATION BETWEEN THE RTM AND FRRS OR ESTAE-TYPE RECOVERY ROUTINES. IT CONTAINS DATA ABOUT THE ORIGINAL ERROR AND ALSO CONCERNING ACTIONS OF PREVIOUSLY ENTERED RECOVERY ROUTINES. THE SDWA IS ALSO KNOWN AS THE RTCA.
THE SDWA IS USED FOR RECORDING ERRORS IN LOGREC AS SOFTWARE RECORDS.

SDWA mapping

Table 94. Structure SDWA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWA	, SDWAPTR
0	(0)	ADDRESS	4	SDWAPARM	- PARAMETER LIST ADDRESS IF (E)STAE MACRO SPECIFIED PARAM OPTION OR 0. FOR FRRS THIS IS THE ADDRESS OF THE 6 WORD PARM AREA RETURNED BY THE SETFRR MACRO WHEN THE PARMAD KEYWORD IS SPECIFIED ON THE SETFRR FOR AN ARR, THIS IS THE ADDRESS OF THE 8-BYTES OF THE MSTA AREA. FOR ESTAEX, THIS IS THE ADDRESS OF 8-BYTES CONTAINING THE ADDRESS AND ALET OF THE PARAMETER LIST. For a recovery routine that gets control in AMODE 64, it is the address of 8-bytes that contains the 64-bit address of the parameter list.
4	(4)	ADDRESS	4	SDWAFIOB(0)	- ADDRESS OF PURGE I/O REQUEST LIST (PIRL) OR 0 IF HALT I/O IS REQUESTED ON ENTRY TO RETRY ROUTINE FOR (E)STAE.
4	(4)	BITSTRING	4	SDWAABCC(0)	- ABEND COMPLETION CODE ON ENTRY TO EXIT ROUTINE.
4	(4)	BITSTRING	1	SDWACMPF	- FLAG BITS IN COMPLETION CODE.
		1...		SDWAREQ	"X'80'" - ON, SYSABEND/SYSMDUMP/SYSUDUMP DUMP TO BE GIVEN. SET IF DUMP=YES REQUESTED ON ABEND, CALLRTM OR SETRP MACRO.

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		SDWASTEP	"X'40'" - ON, JOBSTEP TO BE TERMINATED. SET IF STEP OPTION SPECIFIED ON ABEND MACRO.
		...1		SDWASTCC	"X'10'" - ON, DON'T STORE COMPLETION CODE. NOT USED IN OS/VS2 R2.
		.... .1..		SDWARCF	"X'04'" - ON, REASON CODE IN SDWACRC IS VALID
5	(5)	BITSTRING	3	SDWACMPC	- SYSTEM COMPLETION CODE (FIRST 12 BITS) AND USER COMPLETION CODE (SECOND 12 BITS).
8	(8)	CHARACTER	8	SDWACTL1(0)	- BC MODE PSW AT TIME OF ERROR NOT INITIALIZED FOR FRRS.
8	(8)	BITSTRING	1	SDWACMKA	- CHANNEL INTERRUPT MASKS.
		1111 111.		SDWAIOA	"X'FE'" - I/O INTERRUPTS (ALL ZEROS OR ALL ONES).
		1		SDWAEXTA	"X'01'" - EXTERNAL INTERRUPT.
9	(9)	BITSTRING	1	SDWAMWPA	- PSW KEY AND 'M-W-P'.
		1111		SDWAKEYA	"X'F0'" - PSW KEY.
		.... .1..		SDWAMCKA	"X'04'" - MACHINE CHECK INTERRUPT.
		.... ..1.		SDWAWATA	"X'02'" - WAIT STATE.
		1		SDWASPVA	"X'01'" - SUPERVISOR/PROBLEM-PROGRAM MODE.
10	(A)	CHARACTER	2	SDWAINTA	- INTERRUPT CODE (LAST 2 BYTES OF INTERRUPT CODE IF I/O INTERRUPT).
12	(C)	BITSTRING	1	SDWAPMKA	- INSTRUCTION LENGTH CODE, CONDITION CODE, AND PROGRAM MASKS.
		11..		SDWAILA	"X'C0'" - INSTRUCTION LENGTH CODE.
		..11		SDWACCA	"X'30'" - LAST CONDITION CODE.
		.... 1...		SDWAFPA	"X'08'" - FIXED-POINT OVERFLOW.
		.... .1..		SDWADOA	"X'04'" - DECIMAL OVERFLOW.
		.... ..1.		SDWAEUA	"X'02'" - EXPONENT UNDERFLOW.
		1		SDWASGA	"X'01'" - SIGNIFICANCE.
13	(D)	ADDRESS	3	SDWANXTA	- ADDRESS OF NEXT INSTRUCTION TO BE EXECUTED.
16	(10)	CHARACTER	8	SDWACTL2(0)	- BC MODE PSW FROM LAST PRB ON RB CHAIN. ZERO FOR FRRS.
16	(10)	BITSTRING	1	SDWACMKP	- CHANNEL INTERRUPT MASKS.
		1111 111.		SDWAIOP	"X'FE'" - I/O INTERRUPTS (ALL ZEROS OR ALL ONES).
		1		SDWAEXTP	"X'01'" - EXTERNAL INTERRUPT.
17	(11)	BITSTRING	1	SDWAMWPP	- PSW KEY AND 'M-W-P'.
		1111		SDWAKEYP	"X'F0'" - PSW KEY.
		.... .1..		SDWAMCKP	"X'04'" - MACHINE CHECK INTERRUPT.
		.... ..1.		SDWAWATP	"X'02'" - WAIT STATE.
		1		SDWASPVP	"X'01'" - SUPERVISOR/PROBLEM-PROGRAM MODE.

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
18	(12)	CHARACTER	2	SDWAINTP	- INTERRUPT CODE (LAST 2 BYTES OF INTERRUPT CODE IF I/O INTERRUPT).
20	(14)	BITSTRING	1	SDWAPMKP	- INSTRUCTION LENGTH CODE, CONDITION CODE, AND PROGRAM MASKS.
		11..		SDWAILP	"X'C0'" - INSTRUCTION LENGTH CODE.
		..11		SDWACCP	"X'30'" - LAST CONDITION CODE.
		.... 1...		SDWAFPP	"X'08'" - FIXED-POINT OVERFLOW.
		.... .1..		SDWADOP	"X'04'" - DECIMAL OVERFLOW.
		.... ..1.		SDWAEUP	"X'02'" - EXPONENT UNDERFLOW.
		1		SDWASGP	"X'01'" - SIGNIFICANCE.
21	(15)	ADDRESS	3	SDWANXTP	- ADDRESS OF NEXT INSTRUCTION TO BE EXECUTED.
24	(18)	CHARACTER	64	SDWAGRSV(0)	- General purpose registers at time of error. When the error was a program interrupt within transactional execution, these are the regs at the time of the program interrupt within the transaction.
24	(18)	CHARACTER	64	SDWATX_PITDB_GRSV(0)	- Same as SDWAGRSV
24	(18)	SIGNED	4	SDWAGR00	- GPR 0.
28	(1C)	SIGNED	4	SDWAGR01	- GPR 1.
32	(20)	SIGNED	4	SDWAGR02	- GPR 2.
36	(24)	SIGNED	4	SDWAGR03	- GPR 3.
40	(28)	SIGNED	4	SDWAGR04	- GPR 4.
44	(2C)	SIGNED	4	SDWAGR05	- GPR 5.
48	(30)	SIGNED	4	SDWAGR06	- GPR 6.
52	(34)	SIGNED	4	SDWAGR07	- GPR 7.
56	(38)	SIGNED	4	SDWAGR08	- GPR 8.
60	(3C)	SIGNED	4	SDWAGR09	- GPR 9.
64	(40)	SIGNED	4	SDWAGR10	- GPR 10.
68	(44)	SIGNED	4	SDWAGR11	- GPR 11.
72	(48)	SIGNED	4	SDWAGR12	- GPR 12.
76	(4C)	SIGNED	4	SDWAGR13	- GPR 13.
80	(50)	SIGNED	4	SDWAGR14	- GPR 14.
84	(54)	SIGNED	4	SDWAGR15	- GPR 15.
88	(58)	CHARACTER	8	SDWANAME(0)	- IF PROBLEM PROGRAM MODE NAME OF ABENDING PROGRAM, OR ZERO IF NO NAME IS AVAILABLE. ZERO IF NOT RUNNING UNDER AN RB
88	(58)	ADDRESS	4	SDWARBAD	- RB ADDRESS OF ABENDING PROGRAM (IF SUPERVISOR MODE PROGRAM RUNNING UNDER AN RB)
92	(5C)	BITSTRING	4		- CONTAINS ZEROS IF SUPERVISOR MODE PROGRAM RUNNING UNDER AN RB OR IF PROGRAM NOT RUNNING UNDER AN RB
96	(60)	ADDRESS	4	SDWAEPA	- ENTRY POINT ADDRESS OF ABENDING PROGRAM. ZERO IF NOT RUNNING UNDER AN RB

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
100	(64)	ADDRESS	4	SDWAIOBR	- POINTER TO SDWAFIOB FIELD, OR 0 IF NO RETRY, OR 0 IF HALT I/O IS REQUESTED FOR (E)STA EXITS. ZERO FOR FRRS ICB377
104	(68)	CHARACTER	8	SDWAEC1(0)	Extended control PSW at time of error(abend). When the error was a program interrupt within transactional execution, this is the PSW at the time of the program interrupt within the transaction.
104	(68)	CHARACTER	8	SDWATX_PITDB_EC1(0)	Same as SDWAEC1
104	(68)	BITSTRING	1	SDWAEMK1	INTERRUPT INFORMATION MASKS
		.1..		SDWAPER1	"X'40'" ON,PROGRAM EVENT RECORDING INTERRUPTS CAN OCCUR OFF, PROGRAM EVENT RECORDING INTERRUPTS CANNOT OCCUR
		.... .1..		SDWATRM1	"X'04'" ON,ADDRESS TRANSLATION ACTIVE
		.... ..1.		SDWAIO1	"X'02'" OFF,I/0 INTERRUPTION CAN NOT OCCUR ON,I/0 INTERRUPTIONS CAN OCCUR SUBJECT TO TO CHANNEL MASK BITS IN CONTROL REGS 2 AND 3
		1		SDWAEXT1	"X'01'" OFF,EXTERNAL INTERRUPTION CANNOT OCCUR ON,EXTERNAL INTERRUPTIONS CAN OCCUR SUBJECT TO EXTERNAL SUBCLASS MASK BITS OF CONTROL REG 0
105	(69)	BITSTRING	1	SDWAMWP1	PSW KEY AND 'M-W-P'
		1111		SDWAKEY1	"X'F0'" PSW KEY
		.... 1...		SDWAECT1	"X'08'" EXTENDED CONTROL MODE BIT
		.... .1..		SDWAMCK1	"X'04'" OFF,MACHINE CHECK CANNOT OCCUR ON,MACHINE CHECK DUE TO SYSTEM DAMAGE AND INSTRUCTION-PROCESSING DAMAGE CAN OCCUR OTHER MACHINE CHECKS SUBJECT TO MASK BITS IN CONTROL REGISTER 14
		.... ..1.		SDWAWAT1	"X'02'" ON,CPU IN WAIT STATE
		1		SDWAPGM1	"X'01'" ON,PROBLEM STATE OFF, SUPERVISOR STATE
106	(6A)	BITSTRING	1	SDWAINT1	CONDITION CODE AND PROGRAM MASK
		11..		SDWAASCM	"X'C0'" ADDRESS SPACE CONTROL MODE BITS 00 - PRIMARY MODE 01 - ACCESS REGISTER MODE 10 - SECONDARY MODE 11 - HOME SPACE MODE
		1...		SDWAS1	"X'80'" ADDRESS SPACE SELECTION BIT
		..11		SDWACC1	"X'30'" CONDITION CODE
		.... 1...		SDWAFPO1	"X'08'" FIXED POINT OVERFLOW
		.... .1..		SDWADEC1	"X'04'" DECIMAL OVERFLOW

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		SDWAEXP1	"X'02'" EXPONENT UNDERFLOW
		1		SDWASGN1	"X'01'" SIGNIFICANCE
107	(6B)	BITSTRING	1		RESERVED
108	(6C)	SIGNED	4	SDWANXT1(0)	ADDRESS OF NEXT INSTRUCTION TO BE EXECUTED. Bit 31 could be on due to - bad address - address in SDWAPSW16 above 2G (note that an address above 2G will not always result in Bit 31 being turned on)
108	(6C)	BITSTRING	1	SDWAAMF1	ADDRESSING MODE FLAG
		1...		SDWAMOD1	"X'80'" ADDRESSING MODE OF THE NEXT INSTRUCTION TO BE EXECUTED.
109	(6D)	CHARACTER	3	SDWAADD1	INSTRUCTION ADDRESS
112	(70)	CHARACTER	8	SDWAAEC1(0)	ADDITIONAL EC MODE INFORMATION
112	(70)	CHARACTER	1		RESERVED
113	(71)	BITSTRING	1	SDWAILC1	INSTRUCTION LENGTH CODE FOR PSW DEFINED BY SDWAEC1/SDWAPSW16
		.... .11.		SDWAIL1	"X'06'" ILC
114	(72)	CHARACTER	2	SDWAINC1(0)	INTERRUPT CODE. IF PROGRAM CHECK OCCURRED THE SUBFIELDS ARE FURTHER DIVIDED
114	(72)	BITSTRING	1	SDWAIC1H	High byte of PI code
		.... ..1.		SDWAPTX1	"X'02'" Program interrupt during transactional execution
115	(73)	BITSTRING	1	SDWAICD1	8 BIT INTERRUPT CODE IF PROGRAM CHECK
		1...		SDWAIPR1	"X'80'" PER INTERRUPT OCCURRED
		.1..		SDWAIMC1	"X'40'" MONITOR CALL INTERRUPT OCCURRED
		..11 1111		SDWAIPC1	"X'3F'" AN UNSOLICITED PROGRAM CHECK HAS OCCURRED
116	(74)	ADDRESS	4	SDWATRAN	VIRTUAL ADDRESS CAUSING TRANSLATION EXCEPTION
119	(77)	BITSTRING	1	SDWADXC(0)	Data exception code when program interrupt code 7
119	(77)	BITSTRING	1	SDWAVXC	Vector exception code when program interrupt code 1B
120	(78)	CHARACTER	8	SDWAEC2(0)	EXTENDED CONTROL PSW FROM THE RB LEVEL OR LINKAGE STACK LEVEL WHICH CREATED THE ESTAE EXIT AT THE TIME IT LAST INCURRED AN INTERRUPT OR 0 FOR ESTAI. OR PSW USED TO GIVE FRR CONTROL
120	(78)	BITSTRING	1	SDWAEMK2	INTERRUPT INFORMATION MASKS
		.1..		SDWAPER2	"X'40'" ON,PROGRAM EVENT RECORDING INTERRUPTS CAN OCCUR OFF,PROGRAM EVENT RECORDING INTERRUPTS CANNOT OCCUR
		.... .1..		SDWATRM2	"X'04'" ON,ADDRESS TRANSLATION ACTIVE

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		SDWAIO2	"X'02'" OFF,I/0 INTERRUPTION CANNOT OCCUR ON,I/0 INTERRUPTIONS CAN OCCUR SUBJECT TO TO CHANNEL MASK BITS IN CONTROL REGS 2 AND 3
		1		SDWAEXT2	"X'01'" OFF,EXTERNAL INTERRUPTION CANNOT OCCUR ON,EXTERNAL INTERRUPTIONS CAN OCCUR SUBJECT TO EXTERNAL SUBCLASS MASK BITS OF CONTROL REG 0
121	(79)	BITSTRING	1	SDWAMWP2	PSW KEY AND 'M-W-P'
		1111		SDWAKEY2	"X'F0'" PSW KEY
		.... 1...		SDWAECT2	"X'08'" EXTENDED CONTROL MODE BIT
		.... .1..		SDWAMCK2	"X'04'" OFF,MACHINE CHECK CANNOT OCCUR ON,MACHINE CHECK DUE TO SYSTEM DAMAGE AND INSTRUCTION-PROCESSING DAMAGE CAN OCCUR OTHER MACHINE CHECKS SUBJECT TO MASK BITS IN CONTROL REGISTER 14
		.... ..1.		SDWAWAT2	"X'02'" ON,CPU IN WAIT STATE
		1		SDWAPGM2	"X'01'" ON,PROBLEM STATE OFF, SUPERVISOR STATE
122	(7A)	BITSTRING	1	SDWAINT2	CONDITION CODE AND PROGRAM MASK
		1...		SDWAS2	"X'80'" ADDRESS SPACE SELECTION BIT
		..11		SDWACC2	"X'30'" CONDITION CODE
		.... 1...		SDWAFPO2	"X'08'" FIXED POINT OVERFLOW
		.... .1..		SDWADEC2	"X'04'" DECIMAL OVERFLOW
		.... ..1.		SDWAEXP2	"X'02'" EXPONENT UNDERFLOW
		1		SDWASGN2	"X'01'" SIGNIFICANCE
123	(7B)	BITSTRING	1		RESERVED
124	(7C)	SIGNED	4	SDWANXT2(0)	ADDRESS OF NEXT INSTRUCTION TO BE EXECUTED Bit 31 could be on due to - bad address - address in SDWAPSW16 above 2G (note that an address above 2G will not always result in Bit 31 being turned on)
124	(7C)	BITSTRING	1	SDWAAMF2	ADDRESSING MODE FLAG
		1...		SDWAMOD2	"X'80'" ADDRESSING MODE OF THE NEXT INSTRUCTION TO BE EXECUTED.
125	(7D)	CHARACTER	3	SDWAADD2	INSTRUCTION ADDRESS
128	(80)	CHARACTER	8	SDWAAEC2(0)	ADDITIONAL EC MODE INFORMATION
128	(80)	CHARACTER	1		RESERVED
129	(81)	BITSTRING	1	SDWAILC2	INSTRUCTION LENGTH CODE FOR PSW DEFINED BY SDWAEC2
		.... .11.		SDWAIL2	"X'06'" ILC
130	(82)	CHARACTER	2	SDWAINC2(0)	INTERRUPT CODE. IF PROGRAM CHECK OCCURRED THE SUBFIELDS ARE FURTHER DIVIDED
130	(82)	BITSTRING	1	SDWAIC2H	High byte of PI code

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		SDWAPTX2	"X'02'" Program interrupt during transactional execution
131	(83)	BITSTRING	1	SDWAICD2	8 BIT INTERRUPT CODE IF PROGRAM CHECK
		1...		SDWAIPR2	"X'80'" PER INTERRUPT OCCURRED
		.1..		SDWAIMC2	"X'40'" MONITOR CALL INTERRRUPT OCCURRED
		..11 1111		SDWAIPC2	"X'3F'" AN UNSOLICITED PROGRAM CHECK HAS OCCURRED
132	(84)	ADDRESS	4	SDWATRN2	VIRTUAL ADDRESS CAUSING TRANSLATION EXCEPTION
136	(88)	CHARACTER	64	SDWASRSV(0)	GENERAL PURPOSE REGISTERS OF THE RB LEVEL OR LINKAGE STACK LEVEL WHICH CREATED THE ESTAE EXIT AT THE TIME IT LAST INCURRED AN INTERRUPT OR 0 FOR ESTAI FOR FRRS INITIALIZED TO REGISTERS AT TIME OF ERROR. THIS REGISTER AREA IS USED TO UPDATE REGISTER CONTENTS FOR RETRY IF REQUESTED
136	(88)	SIGNED	4	SDWASR00	GPR 0.
140	(8C)	SIGNED	4	SDWASR01	GPR 1.
144	(90)	SIGNED	4	SDWASR02	GPR 2.
148	(94)	SIGNED	4	SDWASR03	GPR 3.
152	(98)	SIGNED	4	SDWASR04	GPR 4.
156	(9C)	SIGNED	4	SDWASR05	GPR 5.
160	(A0)	SIGNED	4	SDWASR06	GPR 6.
164	(A4)	SIGNED	4	SDWASR07	GPR 7.
168	(A8)	SIGNED	4	SDWASR08	GPR 8.
172	(AC)	SIGNED	4	SDWASR09	GPR 9.
176	(B0)	SIGNED	4	SDWASR10	GPR 10.
180	(B4)	SIGNED	4	SDWASR11	GPR 11.
184	(B8)	SIGNED	4	SDWASR12	GPR 12.
188	(BC)	SIGNED	4	SDWASR13	GPR 13.
192	(C0)	SIGNED	4	SDWASR14	GPR 14.
196	(C4)	SIGNED	4	SDWASR15	GPR 15.
200	(C8)	CHARACTER	4	SDWAIDNT(0)	SDWA IDENTIFICATION ATTRIBUTES
200	(C8)	CHARACTER	1	SDWASPID	SUBPOOL ID OF STORAGE CONTAINING THIS SDWA
201	(C9)	CHARACTER	3	SDWALNTH	LENGTH OF THIS SDWA IN BYTES
204	(CC)	CHARACTER	28	SDWAMCH(0)	CONTAINS MACHINE CHECK DATA IF SDWAMCHK IS ON
204	(CC)	CHARACTER	8	SDWASTCK(0)	BEGINNING AND ENDING STORAGE CHECK ADDRESSES. FILLED IN DUE TO STORAGE ERROR (SDWASCK) OR A KEY FAILURE (SDWASKYF). THESE ADDRESSES ARE VALID ONLY IF INDICATED BY THE SDWASRVL FLAG.
204	(CC)	ADDRESS	4	SDWASCKB	BEGINNING VIRTUAL ADDRESS OF STORAGE CHECK
208	(D0)	ADDRESS	4	SDWASCKE	ENDING VIRTUAL ADDRESS OF STORAGE CHECK
212	(D4)	BITSTRING	2	SDWAMCHI(0)	ADDITIONAL MCH INFORMATION FLAGS
212	(D4)	BITSTRING	1	SDWAMCHS	MCH FLAG BYTE

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		SDWASRVL	"X'80'" ON,STORAGE ADDRESSES SUPPLIED (SDWASTCK, SDWARFSA) ARE VALID. On z/Architecture system, SDWARFSA contains only the low word of the FSA. SDWARFSE contains the 8-byte FSA.
		.1..		SDWARCDF	"X'40'" ON,MACHINE CHECK RECORD NOT RECORDED
		..1.		SDWATSVL	"X'20'" ON,TIME STAMP IS VALID
		...1		SDWAINVP	"X'10'" ON,STORAGE IS RECONFIGURED, PAGE IS INVALIDATED
		.... 1...		SDWARSRC	"X'08'" ON,STORAGE RECONFIGURATION (SDWARSR1,SDWARSR2) STATUS AVAILABLE.
		.... .1..		SDWARSRF	"X'04'" ON,STORAGE RECONFIGURATION NOT ATTEMPTED. (SDWARSR1 AND SDWARSR2 ARE INVALID)
		.... ..1.		SDWAVRIV	"X'02'" ON, INDICATES VECTOR REGISTERS ARE UNPREDICTABLE
		1		SDWAARGU	"X'01'" ON, INDICATES ACCESS REGISTERS ARE UNPREDICTABLE
213	(D5)	BITSTRING	1	SDWAMCHD	INPUT INFORMATION TO RECOVERY ROUTINE CONCERNING A MACHINE CHECK ERROR
		1...		SDWASKYF	"X'80'" ON,STORAGE KEY FAILURE
		.1..		SDWAREGU	"X'40'" ON,GENERAL PURPOSE REGISTER CONTENTS AT TIME OF MACHINE CHECK UNPREDICTABLE
		..1.		SDWAPSWU	"X'20'" ON,PSW AND/OR CONTROL REGISTERS AT TIME OF MACHINE CHECK UNPREDICTABLE
		...1		SDWASCK	"X'10'" ON,INDICATES STORAGE DATA CHECK
		.... 1...		SDWAACR	"X'08'" ON,INDICATES ACR REQUEST
		.... .1..		SDWAINSF	"X'04'" ON,INSTRUCTION FAILURE
		.... ..1.		SDWAFPRX	"X'02'" ON,CONTENTS OF FLOATING POINT REGISTERS AT TIME MACHINE CHECK ARE UNPREDICTABLE
		1		SDWATERR	"X'01'" ON,TIMER ERROR - CAUSES ENTRY TO RECOVERY ROUTINES ONLY IF LOGOUT FAILED.
214	(D6)	CHARACTER	2	SDWACPID	ID OF OF FAILING CPU CAUSING ACR
216	(D8)	BITSTRING	1	SDWARSR1	ADDITIONAL STORAGE FRAME ERROR INDICATORS AS RETURNED FROM REAL STORAGE RECONFIGURATION.
		..1.		SDWAPREF	"X'20'" PREFERRED FRAME
		...1		SDWAVRCN	"X'10'" V = R CANDIDATE - CAN GO OFFLINE
		.... 1...		SDWANSWP	"X'08'" LONG-TERM NON-SWAPPABLE ADDRESS SPACE

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		SDWANSWA	"X'04'" NON-SWAPPABLE ADDRESS SPACE
		.... ..1.		SDWAMSER	"X'02'" STORAGE ERROR ALREADY SET IN FRAME.
		1		SDWACHNG	"X'01'" CHANGE INDICATOR WAS ON IN FRAME.
217	(D9)	BITSTRING	1	SDWARSR2	ADDITIONAL STORAGE ERROR INDICATORS.
		1...		SDWAOFLN	"X'80'" FRAME OFFLINE OR SCHEDULED TO GO OFFLINE IF SDWAINTC IS ON
		.1..		SDWAINTC	"X'40'" INTERCEPT THE FRAME IS SCHEDULED TO GO OFFLINE, OR THE FRAME HAS INCURRED A STORAGE ERROR, OR IS V=R INTERCEPTED
		..1.		SDWASPER	"X'20'" STORAGE ERROR PERMANENT ON FRAME.
		...1		SDWANUCL	"X'10'" FRAME CONTAINS PERMANENT RESIDENT STORAGE, I.E. NUCLEUS.
		.... 1...		SDWAFSQA	"X'08'" FRAME IN SQA
		.... .1..		SDWAFLSQ	"X'04'" FRAME IN LSQA
		.... ..1.		SDWAPGFX	"X'02'" FRAME IS PAGE FIXED
		1		SDWAVEQR	"X'01'" FRAME IS VIRTUAL = REAL
218	(DA)	BITSTRING	1	SDWAMCHO	OTHER MACHINE CHECK FLAGS
		1...		SDWASKPR	"X'80'" SKIP RECORDING REQUESTED BY MACHINE CHECK
219	(DB)	CHARACTER	1		RESERVED
220	(DC)	ADDRESS	4	SDWARFSA	REAL STORAGE FAILING ADDRESS (VALID ONLY IF INDICATED BY SDWASRVL)
224	(E0)	CHARACTER	8	SDWATIME	TIME STAMP OF ASSOCIATED MACHINE CHECK RECORD
232	(E8)	BITSTRING	4	SDWAFLGS(0)	INPUT FLAGS DESCRIBING REASONS AND CONDITIONS FOR ENTERING A RECOVERY EXIT ROUTINE.
232	(E8)	BITSTRING	1	SDWAERRA	ERROR TYPE CAUSING ENTRY TO RECOVERY EXIT
		1...		SDWAMCHK	"X'80'" ON INDICATES MACHINE CHECK
		.1..		SDWAPCHK	"X'40'" ON INDICATES PROGRAM CHECK
		..1.		SDWARKEY	"X'20'" ON INDICATES CONSOLE RESTART KEY WAS DEPRESSED
		...1		SDWASVCD	"X'10'" ON INDICATES TASK ISSUED SVC 13
		.... 1...		SDWAABTM	"X'08'" ON INDICATES SYSTEM FORCED SVC 13(I.E.ABTERM)
		.... .1..		SDWASVCE	"X'04'" ON,INDICATES AN SVC WAS ISSUED BY A LOCKED OR SRB ROUTINE
		.... ..1.		SDWATEXC	"X'02'" ON,INDICATES AN UNRECOVERABLE TRANSLATION FAILURE

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SDWAPGIO	"X'01'" ON,INDICATES A PAGE I/O ERROR
		1		SDWASTRM	"X'01'" ON,INDICATES AN RTM1 SERVICE ROUTINE (SUCH AS IEAVTSR1 PROCESSING ITERM OR IEAVTRTM PROCESSING STERM) SCHEDULED RTM1 TO CONTINUE PROCESSING AS AN SVC ERROR (BY PUTTING SVC 13 IN THE PSW TO BE DISPATCHED).
233	(E9)	BITSTRING	1	SDWAERRB	ADDITIONAL ERROR ENTRY INFORMATION
		1...		SDWAPDIP	"X'80'" ON INDICATES THAT THIS TASK WAS PARALLEL DETACHED - RECOVERY ROUTINES FOR OTHER TASKS IN THIS ADDRESS SPACE MAY BE EXECUTING AT THE SAME TIME AS THIS RECOVERY ROUTINE
		.1..		SDWANMFS	"X'40'" Not My Fault Summary -- indicates that this abend was received asynchronously (from an external source). SDWANMFS may be examined as an alternative to checking individual abend codes when deciding whether to capture failure documentation or retry since when it is on the abend generally will not have been the fault of the program that received it. SDWANMFS is available to Estae-type recovery and EUT FRRs running under TCBs. It is set when any of the following abend indicators have been set: SDWAABTM - ABTERM indicator (note that Cancel and Detach are always ABTERMs) SDWAMABD - This TCB has been detached by RTM after its mother task abended SDWASRBM - An SRB has abended and percolated to this TCB SDWAIRB - An IRB has interrupted this TCB and abended SDWAMCHK - A Machine Check has occurred SDWARKEY - A Restart was received SDWACTS - An abend was Converted To Step
		..1.		SDWASRBT	"X'20'" On, indicates that this abend was issued via CALLRTM TYPE=SRBTERM
		...1		SDWASRBS	"X'10'" On - this SDWA was allocated for an SRB Off - this SDWA was allocated for a TCB SDWASRBS is only valid when SDWASVAL is on

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		SDWATYP1	"X'08'" ON TYPE 1 SVC IN CONTROL AT TIME OF ERROR
		.... .1..		SDWAENRB	"X'04'" ON ENABLED RB IN CONTROL AT TIME OF ERROR
		.... ..1.		SDWALDIS	"X'02'" ON A LOGICALLY OR PHYSICALLY DISABLED ROUTINE WAS IN CONTROL AT THE TIME OF ERROR.
		1		SDWASRBM	"X'01'" ON SYSTEM IN SRB MODE AT TIME OF ERROR
234	(EA)	BITSTRING	1	SDWAERRC	ADDITIONAL ERROR ENTRY INFORMATION
		1...		SDWASTAF	"X'80'" ON INDICATES A PREVIOUS (E)STA OR FRR EXIT FAILED.
		.1..		SDWASTAI	"X'40'" ON A (E)STAI EXIT PREVIOUSLY RECEIVED CONTROL
		..1.		SDWAIRB	"X'20'" ON AN IRB PRECEDED THE RB THAT IS ASSOCIATED WITH THIS EXIT
		...1		SDWAPERC	"X'10'" ON THIS RECOVERY ROUTINE IS BEING PERCOLATED TO
		.... 1...		SDWAEAS	"X'08'" ON INDICATES A LOWER LEVEL EXIT HAS RECOGNIZED AN ERROR AND PROVIDED SERVICEABILITY INFORMATION
		.... .1..		SDWASKIP	"X'04'" ON INDICATES FRRS WERE SKIPPED
		.... ..1.		SDWALCL	"X'02'" ON IND ENTRY AS A LOCAL RESOURCE MGR
		1		SDWAGLBL	"X'01'" ON IND ENTRY AS A GLOBAL RESOURCE MGR
235	(EB)	BITSTRING	1	SDWAERRD	ADDITIONAL ERROR ENTRY INFORMATION
		1...		SDWACLUP	"X'80'" ON INDICATES RECOVERY EXIT ONLY TO CLEANUP AND NOT RETRY (IF ESTA EXIT AND 33E COMPLETION CODE THE DUMP IS TAKEN AFTER ENTRY TO THE RECOVERY ROUTINE,IF THE COMPLETION CODE IS OTHER THAN 33E AND IT IS AN ESTA EXIT THE DUMP IS TAKEN BEFORE ENTRY TO THE RECOVERY ROUTINE)
		.1..		SDWANRBE	"X'40'" ON RB ASSOCIATED WITH THIS ESTA EXIT WAS NOT IN CONTROL AT TIME OF ERROR NEVER ON FOR FRRS
		..1.		SDWASTAE	"X'20'" ON THIS ESTA EXIT HAS BEEN ENTERED FOR A PREVIOUS ABEND NEVER ON FOR FRRS
		...1		SDWACTS	"X'10'" ON,THIS TASK WAS NOT IN CONTROL AT TIME OF ERROR BUT A TASK WITHIN THE SAME JOBSTEP TREE REQUESTED A 'STEP' ABEND. ONLY 'ON' IF SDWACLUP IS 'ON'

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		SDWAMABD	"X'08'" ON,THIS TASK WAS NOT IN CONTROL AT TIME OF ERROR BUT AN ANCESTOR OF THIS TASK HAS ABEND'ED ONLY 'ON' IF SDWACLUP IS 'ON'.
		.... .1..		SDWARPIV	"X'04'" ON, THE REGISTERS, PSW AND CONTROL REGISTERS AT TIME OF ERROR ARE UNAVAILABLE
		.... ..1.		SDWAMCIV	"X'02'" ON,MACHINE CHECK ERROR INFORMATION IS UNAVAILABLE.
		1		SDWAERFL	"X'01'" ON,ERRORID INFORMATION AVAILABLE
236	(EC)	CHARACTER	2	SDWAFMID	ASID OF MEMORY IN WHICH ERROR OCCURRED. =0, IF THE MEMORY IS CURRENT NOT=0, IF OTHER MEMORY IS CURRENT FOR FRRS- IF THE VALUE IS NON ZERO THE FRR IS RECEIVING CONTROL IN THE MASTER SCHEDULER ADDRESS SPACE AND CANNOT ADDRESS THE PRIVATE AREA OF THE FAILING ADDRESS SPACE. FOR ESTA- IF THE VALUE IS NON ZERO ENTRY IS DUE TO CROSS MEMORY ABTERM.
238	(EE)	BITSTRING	1	SDWAIOFS	THIS IS THE CURRENT I/O STATUS (THE I/O PROCESSING REQUESTED BY THE FIRST (E)STA EXIT IS THE ONLY REQUEST HONORED)
		1...		SDWAIOQR	"X'80'" ON,I/O FOR FAILING PROGRAM HAS BEEN QUIESCED AND IS RESTOREABLE
		.1..		SDWAIOHT	"X'40'" ON,I/O FOR FAILING PROGRAM HAS BEEN HALTED AND IS NOT RESTOREABLE
		..1.		SDWANOIO	"X'20'" ON,FAILING PROGRAM HAS NO I/O OUTSTANDING
		...1		SDWANIOP	"X'10'" ON,USER REQUESTED NO I/O PROCESSING
239	(EF)	CHARACTER	1	SDWACPUI	Low order byte of the error logical CPU id. IBM recommends using the 2-byte logical CPU id in SDWA2CID.
240	(F0)	ADDRESS	4	SDWARTYA(0)	ADDRESS OF RETRY ROUTINE
240	(F0)	BITSTRING	1	SDWARTYF	ADDRESSING MODE INDICATOR BYTE
		1...		SDWAAMOD	"X'80'" This bit is never looked at. The AMODE of the retry is determined by other information
241	(F1)	ADDRESS	3		LOW THREE ORDER BYTES OF RETRY ADDRESS
244	(F4)	ADDRESS	4	SDWARECA	ADDRESS OF VARIABLE RECORDING AREA WITHIN SDWA

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
248	(F8)	CHARACTER	4	SDWACPUA(0)	ADDRESS OF CPU HOLDING RESOURCE WHICH CAUSES VALID SPIN ON CURRENT CPU - USED WITH RESTART KEY ERROR TYPE.IF THIS FIELD IS VALIDLY FILLED IN BY AN FRR THE FRRS MAINLINE PROGRAM WILL BE RESUMED AT THE NEXT SEQUENTIAL INSTRUCTION. NOT VALID FOR ESTAE EXITS.
248	(F8)	CHARACTER	2		RESERVED
250	(FA)	SIGNED	2	SDWALCPU	LOGICAL ADDRESS OF CPU HOLDING RESOURCE
252	(FC)	BITSTRING	4	SDWAPARQ(0)	FLAGS SET BY RECOVERY ROUTINE TO REQUEST FURTHER PROCESSING ACTION
252	(FC)	BITSTRING	1	SDWARCDE	RETURN CODE FROM RECOVERY ROUTINE TO INDICATE RETRY OR TERMINATION
252	(FC)	X'0'	0	SDWACWT	"0" 0 ,CONTINUE WITH TERMINATION. THIS INDICATION IMPLIES PERCOLATION
252	(FC)	X'4'	0	SDWARETY	"4" 4 ,RETRY USING RETRY ADDRESS IN SDWARTYA FIELD
252	(FC)	X'10'	0	SDWAPSTI	"16" 16,PREVENT FURTHER (E)STAI PROCESSING
253	(FD)	BITSTRING	1	SDWAACF2	FLAGS TO INDICATE ADDITIONAL PROCESSING REQUESTS
		1...		SDWARCRD	"X'80'" ON,RECORDING REQUESTED
		.1..		SDWARFXM	"X'40'" ON,RETRY TO FULLXM AT TIME OF FRR SET. CAN BE USED BY BY MODE=PRIMARY FRRS
		..1.		SDWASPIN	"X'20'" ON,PROGRAM INTERRUPTED VIA THE RESTART KEY WAS IN A VALID SPIN(SET BY THE SETRP MACRO WHEN CPU ADRESS IS SPECIFIED ALONG WITH THE CPU ADDRESS IN SDWACPUA FIELD TO ALLOW RESTART OF THE ALTERNATE CPU)
		...1		SDWARERR	"X'10'" ON,RETRY USING THE CROSS MEMORY ADDRESSING ENVIRONMENT AT THE TIME OF THE ERROR. OFF,RETRY USING THE CROSS MEMORY ADDR ENV ON ENTRY TO THE FRR.
		.... 1...		SDWAUPRG	"X'08'" ON,UPDATED REGISTERS STARTING WITH SDWASR00 ARE TO BE USED FOR RETRY
		.... .1..		SDWAFREE	"X'04'" ON, SDWA (RTCA) TO BE FREED PRIOR TO RETRY. ONLY VALID FOR ESTA TYPE EXITS.
		.... ..1.		SDWASERP	"X'02'" ON,SERIALIZE PERCOLATION (USED WHEN AN SRB MODE FRR PERCOLATES SERIALLY TO A RELATED TASK)

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SDWACML	"X'01'" ON,FREE THE CROSS MEMORY LOCAL LOCK
254	(FE)	BITSTRING	1	SDWAACF3	FLAGS INDICATING SOME GLOBAL LOCKS TO BE FREED. ONLY VALID FOR FRRS. OTHER LOCKS ARE INDICATED AT SDWAFLK1 AND SDWAFLK2.
		1...		SDWAFRSX	"X'80'" ON, THE RSM CROSS MEMORY CLASS LOCK
		.1..		SDWAFRSA	"X'40'" ON, THE RSM ADDRESS SPACE CLASS LOCK
		..1.		SDWAFVSP	"X'20'" ON, THE VSM PAGE LOCK
		...1		SDWADISP	"X'10'" ON,THE DISPATCHER LOCK
		.... 1...		SDWAASMP	"X'08'" ON,THE ASM CLASS LOCK Z40WPXH
		.... .1..		SDWASALL	"X'04'" ON, THE SALLOC LOCK
		.... ..1.		SDWAIPRG	"X'02'" ON, THE IOSYNCH LOCK
		1		SDWAFRSD	"X'01'" ON, THE RSM DATA SPACE LOCK
255	(FF)	BITSTRING	1	SDWAACF4	ADDITIONAL LOCKS TO BE FREED, OR ADDITIONAL PROCESSING FOR FRRS
		1...		SDWAIUCB	"X'80'" ON, FREE IOSUCB LOCK
		.1..		SDWARSMQ	"X'40'" ON, FREE RSMQ LOCK
		.... 1...		SDWATADB	"X'08'" RESERVED LOCK Z40WPXH
		.... .1..		SDWAOPTM	"X'04'" ON, FREE SYSTEM RESOURCES MGR(SRM) LOCK
		.... ..1.		SDWACMS	"X'02'" ON, FREE CMS LOCK
		1		SDWAFLLK	"X'01'" ON, FREE LOCAL LOCK
256	(100)	CHARACTER	32	SDWALKWA(0)	LOCK AREA
256	(100)	CHARACTER	32	SDWALKWS(0)	LOCKWORDS REQUIRED TO FREE GLOBAL LOCKS ONLY USED FOR FRRS
256	(100)	ADDRESS	4	SDWALRSD	LOCKWORD FOR THE RSM DATA SPACE LOCK
260	(104)	ADDRESS	4	SDWAIULW	LOCKWORD FOR THE IOSUCB LOCK
264	(108)	ADDRESS	4		LOCKWORD - RESERVED
268	(10C)	ADDRESS	4	SDWAIPLW	LOCKWORD FOR THE IOSYNCH LOCK
272	(110)	ADDRESS	4	SDWAAPLW	LOCKWORD FOR THE ASM CLASS LOCK Z40WPXH
276	(114)	ADDRESS	4		RESERVED
280	(118)	ADDRESS	4		RESERVED
284	(11C)	ADDRESS	4	SDWATALW	LOCKWORD - RESERVED Z40WPXH
288	(120)	CHARACTER	2	SDWAASID	ASID FOR LOGREC DEBUGGING (HOME ASID)
290	(122)	CHARACTER	2	SDWASEQ#	ERRORID SEQUENCE NUMBER
292	(124)	CHARACTER	24	SDWARECP(0)	RECORDING PARAMETERS (MODULE,CSECT AND RECOVERY ROUTINE NAMES-RESPECTIVELY)
292	(124)	CHARACTER	8	SDWAMODN	THE LOAD MODULE NAME INVOLVED IN THE ERROR (SUPPLIED BY THE RECOVERY ROUTINE)
300	(12C)	CHARACTER	8	SDWACSCT	THE CSECT (MICROFICHE) NAME INVOLVED IN THE ERROR (SUPPLIED BY THE RECOVERY ROUTINE)

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
308	(134)	CHARACTER	8	SDWAREXN	THE RECOVERY ROUTINE (MICROFICHE) NAME HANDLING THE ERROR (SUPPLIED BY THE RECOVERY ROUTINE)
316	(13C)	ADDRESS	4	SDWADPLA	POINTER TO DUMP PARAMETER LIST RESIDING IN SDWA
320	(140)	CHARACTER	8	SDWASNPA(0)	SNAP PARAMETER LIST FLAGS
320	(140)	CHARACTER	4	SDWADUMP(0)	DUMP CHARACTERISTICS
320	(140)	CHARACTER	1	SDWADPID	ID OF DUMP REQUESTED
321	(141)	BITSTRING	1	SDWADPFS	DUMP FLAGS
		1...		SDWADPT	"X'80'" ALWAYS OFF, INDICATES SNAP DUMP REQUEST
		.1..		SDWADLST	"X'40'" ALWAYS ON, INDICATES OS/VS2 REL. 2 DUMP PARAMETER LIST SUPPLIED USED BY RTM TO INDICATE DUMP OPTIONS ARE AVAILABLE IN THE SDWA
		..1.		SDWAENSN	"X'20'" ON,ENHANCED DUMP OPTIONS
		.... ..1.		SDWASLST	"X'02'" ON,STORAGE LISTS SUPPLIED FOR DUMP
322	(142)	BITSTRING	1	SDWADPF2	DUMP FLAGS 2
		1...		SDWADVS3	"X'80'" ON, STORAGE RANGES IN SDWADSR, OFF, STORAGE RANGES IN SDWADPSL
		.... 1...		SDWAXLST	"X'08'" ON,DATA SPACE STORAGE LISTS SUPPLIED FOR DUMP
		.... .1..		SDWALVL2	"X'04'" ON, MVS/SP2.1 VERSION OF SNAP PARMLIST
		.... ..1.		SDWASUBL	"X'02'" ON, SUBPOOL LIST SUPPLIED
323	(143)	CHARACTER	1		RESERVED
324	(144)	CHARACTER	4	SDWADDAT(0)	SDATA AND PDATA OPTIONS
324	(144)	CHARACTER	2	SDWASDAT(0)	SDATA OPTIONS
324	(144)	BITSTRING	1	SDWASDA0	SDATA OPTIONS FLAG ONE
		1...		SDWANUC	"X'80'" DISPLAY NUCLEUS
		.1..		SDWASQA	"X'40'" DISPLAY SQA
		..1.		SDWALSQA	"X'20'" DISPLAY LSQA
		...1		SDWASWA	"X'10'" DISPLAY SWA
		.... 1...		SDWAGTF	"X'08'" DISPLAY GTF INCORE TRACE TABLE
		.... .1..		SDWACBS	"X'04'" FORMAT AND DISPLAY CONTROL BLOCKS
		.... ..1.		SDWAQQS	"X'02'" FORMAT AND DISPLAY QCBS/QELS
		1		SDWADM	"X'01'" FORMAT DATA MGT CONTROL BLOCKS
325	(145)	BITSTRING	1	SDWASDA1	SDATA OPTIONS
		1...		SDWAIO	"X'80'" FORMAT I/O SUPERVISOR CONTROL BLOCKS
		.1..		SDWAERR	"X'40'" FORMAT ERROR CONTROL BLOCKS
		...1		SDWASUM	"X'10'" PROVIDE SUMMARY DUMP
		.... 1...		SDWAALLN	"X'08'" DISPLAY ENTIRE VIRTUAL NUCLEUS

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
326	(146)	BITSTRING	1	SDWAPDAT	PDATA OPTIONS
		1...		SDWADSAS	"X'80'" DISPLAY SAVE AREAS
		.1..		SDWADSAH	"X'40'" DISPLAY SAVE AREA HEADER
		..1.		SDWADREG	"X'20'" DISPLAY REGISTERS
		...1		SDWATLPA	"X'10'" DISPLAY LPA MODULES OF TASK
		.... 1...		SDWATJPA	"X'08'" DISPLAY JPA MODULES OF TASK
		.... .1..		SDWADPSW	"X'04'" DISPLAY PSW
		.... ..1.		SDWAUSPL	"X'02'" DISPLAY USER SUBPOOLS
327	(147)	BITSTRING	1		RESERVED
328	(148)	CHARACTER	36	SDWADPSA(0)	DUMP RANGES AREA. Note the last 4 bytes of this area is a substructure of the dump ranges area, but it should not be part of the dump ranges area. However, for compatibility reasons, no changes were made to size of the SDWADPSA area.
328	(148)	CHARACTER	32	SDWADPSL(0)	DUMP STORAGE LISTS (MAX 4 RANGES AVAILABLE)
328	(148)	ADDRESS	4	SDWAFRM1	BEGINNING ADDRESS FOR STORAGE RANGE 1
332	(14C)	ADDRESS	4	SDWATO1	ENDING ADDRESS FOR STORAGE RANGE 1
336	(150)	ADDRESS	4	SDWAFRM2	BEGINNING ADDRESS FOR STORAGE RANGE2
340	(154)	ADDRESS	4	SDWATO2	ENDING ADDRESS FOR STORAGE RANGE 2
344	(158)	ADDRESS	4	SDWAFRM3	BEGINNING ADDRESS FOR STORAGE RANGE 3
348	(15C)	ADDRESS	4	SDWATO3	ENDING ADDRESS FOR STORAGE RANGE 3
352	(160)	ADDRESS	4	SDWAFRM4	BEGINNING ADDRESS FOR STORAGE RANGE 4
356	(164)	ADDRESS	4	SDWATO4	ENDING ADDRESS FOR STORAGE RANGE 4
360	(168)	SIGNED	2	SDWA2CID	2-byte ERRORID logical CPU id. See SDWADPSA comment.
362	(16A)	SIGNED	2		Reserved. See SDWADPSA comment. SDWAVERI IS TO INDICATE THE VERSION OF THE SDWA VIA A NUMBER IN THE SDWAVID
364	(16C)	CHARACTER	4	SDWAVERI(0)	SDWA VERSION INDICATOR
364	(16C)	CHARACTER	2	SDWAVERF	FFFF INDICATES VID FIELD IS VALID

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
366	(16E)	CHARACTER	2	SDWAVID	VERSION INDICATOR, EXPLAINED AS FOLLOWS: 1, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT RELEASE 2 LEVEL 2, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT VERSION 2 RELEASE 1 LEVEL 3, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT JBB2110 LEVEL. 4, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB3310 LEVEL. 5, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB4410 LEVEL. 6, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB5510 LEVEL. 7, indicates the SDWA is at an OS/390 R10 HBB7703 level *and* that it contains the SDWARC4 extension 8, indicates the SDWA is at a z/OS R7 HBB7720 level *and* that it contains the SDWARC4 extension 9, indicates the SDWA is at a z/OS V2R1 HBB7790 level *and* that it contains the SDWARC5 extension
366	(16E)	X'1'	0	SDWAVS3	"1" 1, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT RELEASE 2 LEVEL
366	(16E)	X'2'	0	SDWAVS4	"2" 2, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT VERSION 2 RELEASE 1 LEVEL
366	(16E)	X'3'	0	SDWAVS5	"3" 3, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT JBB2110 LEVEL.
366	(16E)	X'4'	0	SDWAVS6	"4" 4, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB3310 LEVEL.
366	(16E)	X'5'	0	SDWAVS7	"5" 5, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB4410 LEVEL.
366	(16E)	X'6'	0	SDWAVS8	"6" 6, INDICATES THE SDWA IS AT AN MVS/SYSTEM PRODUCT HBB5510 LEVEL.
366	(16E)	X'7'	0	SDWAVS9	"7" 7, indicates the SDWA is at an OS/390 R10 HBB7703 level *and* that it contains the SDWARC4 extension
366	(16E)	X'8'	0	SDWAVS10	"8" 8, indicates the SDWA is at a z/OS R7 HBB7720 level *and* that it contains the SDWARC4 extension
366	(16E)	X'9'	0	SDWAVS11	"9" 9, indicates the SDWA is at a z/OS V2R1 HBB7790 level *and* that it contains the SDWARC5 extension

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
366	(16E)	X'9'	0	SDWAVSN	"9" 9, indicates the SDWA is at a z/OS V2R1 HBB7790 level *and* that it contains the SDWARC5 extension IF THE VALUE OF THIS EQUATE IS CHANGED, ADD A NEW SDWAVSX WHERE X IS THE NUMBER THAT FOLLOWS THE LAST SDWAVSX FIELD, AND MAKE THE EQUATE EQUAL TO SDWAVSN. ALSO DOCUMENT THE VALUE IN SDWAVID AS ABOVE. REFER TO MODULE IEAVTFRO FOR INSTRUCTIONS ON WHICH MODULES NEED TO CHANGE AND RECOMPILE
368	(170)	ADDRESS	4	SDWAXPAD	ADDR OF THE EXTENSION POINTERS (SDWAPTRS)
372	(174)	CHARACTER	12	SDWAXM(0)	CROSS MEMORY INFORMATION
372	(174)	CHARACTER	8	SDWACRGS(0)	CONTROL REGISTERS 3 AND 4
372	(174)	CHARACTER	4	SDWACR3(0)	CONTROL REGISTER 3
372	(174)	CHARACTER	2	SDWAKM	KEY MASK
374	(176)	CHARACTER	2	SDWASCND	ASID OF THE SECONDARY ADDR SPACE -SASID
376	(178)	CHARACTER	4	SDWACR4(0)	CONTROL REGISTER 4
376	(178)	CHARACTER	2	SDWAAX	AUTHORIZATION INDEX
378	(17A)	CHARACTER	2	SDWAPRIM	ASID OF THE PRIMARY ADDR SPACE -PASID
380	(17C)	ADDRESS	4	SDWACMLA	ADDRESS OF ASCB OF CML TO BE FREED
384	(180)	CHARACTER	8	SDWACOMU	FRR TO ESTAE COMMUNICATION BUFFER
392	(188)	ADDRESS	4	SDWACOMP	THIS WORD IS PROVIDED FOR COMMUNICATION OF ADDITIONAL RECOVERY DATA ON A PER COMPONENT BASIS (FOR OS/VS2 RELEASE 2 THIS FIELD IS ONLY USED BY DATA MANAGER)
396	(18C)	CHARACTER	4	SDWAERTM	ERRORID TIME STAMP
400	(190)	CHARACTER	264	SDWARA(0)	VARIABLE RECORDING AREA PREFIXED BY A TWO BYTE LENGTH FIELD OF AREA, A ONE BYTE FLAG FIELD, AND A ONE BYTE FIELD WITH LENGTH OF USER SUPPLIED RECORDING INFORMATION
400	(190)	CHARACTER	2	SDWAVRAL	LENGTH OF VARIABLE RECORDING AREA
402	(192)	BITSTRING	1	SDWADPVA	BITS THAT DEFINE DATA IN VARIABLE AREA
		1...		SDWAHEX	"X'80'" SDWAVRA DATA TO BE PRINTED BY EREP IN HEX
		.1..		SDWAEBC	"X'40'" SDWAVRA DATA TO BE PRINTED BY EREP IN EBCDIC
		..1.		SDWAVRAM	"X'20'" SDWAVRA DATA IS IN THE FORMAT MAPPED BY THE VRAMAP DSECT (IHAVRA MACRO)

Table 94. Structure SDWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
403	(193)	BITSTRING	1	SDWAURAL	LENGTH OF USER SUPPLIED INFORMATION IN THE VARIABLE RECORDING AREA (ZEROED BEFORE EACH RECOVERY ROUTINE IS INVOKED)
404	(194)	CHARACTER	255	SDWAVRA	VARIABLE RECORDING AREA
659	(293)	CHARACTER	5	SDWAID	CONTAINS 'SDWA ' AS ID
664	(298)	DBL WORD	8	SDWAEND(0)	END OF NON-EXTENDED SDWA

Table 95. Structure SDWARC1

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWARC1	, RECORDABLE EXTENSION, BASED ON SDWASRVP
0	(0)	CHARACTER	456	SDWASERV(0)	ADDITIONAL COMPONENT SERVICE DATA
0	(0)	CHARACTER	118	SDWARC1Z(0)	CAN BE ZEROED ON PERCOLATION.
0	(0)	CHARACTER	5	SDWACID	COMPONENT ID OF THE COMPONENT INVOLVED IN THE ERROR (FOR EXAMPLE, SC1CR)
5	(5)	CHARACTER	23	SDWASC	NAME OF THE SUBCOMPONENT AND THE MODULE SUBFUNCTION INVOLVED IN THE ERROR
28	(1C)	CHARACTER	16	SDWAMLVL(0)	LEVEL OF THE MODULE INVOLVED IN THE ERROR
28	(1C)	CHARACTER	8	SDWAMDAT	ASSEMBLY DATE OF THE MODULE INVOLVED IN THE ERROR
36	(24)	CHARACTER	8	SDWAMVRS	VERSION OF THE MODULE - PTF OR PRODUCT NUMBER
44	(2C)	CHARACTER	4	SDWACRC(0)	This field contains the abend reason code that was set via an ABEND, CALLRTM, or SETRP macro. It is valid only if SDWARCF is set on. For SRBTERM abends (see SDWASRBT), the high order bit of the reason code, when on, indicates that the issuer felt that an SVCDUMP was not necessary for this abend. Note that this field should not be confused with the return code that some programs place into register 15 before issuing an abend.
44	(2C)	SIGNED	4	SDWAHRC	HEXADECIMAL DECLARE FOR SDWACRC
48	(30)	CHARACTER	8	SDWARRL	ENTRY POINT LABEL OF THE RECOVERY ROUTINE THAT FILLED IN THIS SDWA
56	(38)	CHARACTER	4	SDWACIDB	THE COMPONENT ID BASE (PREFIX) NUMBER, SUCH AS 5741.
60	(3C)	SIGNED	1	SDWASDRC	SVCDUMP STATUS INDICATOR (FOR USE BY SDUMP)
61	(3D)	CHARACTER	1	SDWACCRC	FLAGS FOR COMPCODE AND REASON CODE

Table 95. Structure SDWARC1 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		SDWACCF	"X'80'" =1, IF RECOVERY EXIT ALTERED COMPCODE
		.1..		SDWAREAF	"X'40'" =1, IF RECOVERY EXIT ALTERED REASON CODE
62	(3E)	BITSTRING	1	SDWARETF	SDWA RETRY FLAGS
		1...		SDWART15	"X'80'" ON, SET REGISTER 15 ON RETRY TO THE VALUE IN SDWASR15. OFF, SET REGISTER 15 ON RETRY TO THE RETRY ADDRESS, REGARDLESS OF THE VALUE IN SDWASR15. ONLY VALID FOR FRRS
		.1..		SDWAREMR	"X'40'" ON, REMOVE RECOVERY ROUTINE ON RETRY OFF, DONT REMOVE RECOVERY ROUTINE ON RETRY
		..1.		SDWAFRLK	"X'20'" ON, FREE LOCKS ON A RETRY WHOSE BIT SETTINGS IN THE SDWA HAVE BEEN TURNED ON OFF, DO NOT FREE ANY LOCKS ON A RETRY
		...1		SDWAUP64	"X'10'" If on, use the 64-bit GPRs for setting the retry regs. Only valid when SDWARC4 extension exists.
		.... 1...		SDWAKEAX	"X'08'" ON, when retrying keep the current EAX rather than resetting EAX to time-of-FRR-set
		.... .1..		SDWAG64R	"X'04'" If on in a logrec record or SDWA in a dump, indicates that RTM has set up SDWAG64 with the retry registers requested by a recovery routine so that it is clear for debugging which SDWA field contains the retry regs. The time of error registers are in SDWAGRSV and SDWAG64H
63	(3F)	BITSTRING	1	SDWATYPE	TYPE OF RECOVERY ROUTINE THAT RTM GAVE CONTROL TO: 0 - NO RECOVERY WAS SET UP 1 - FRR 2 - NON FRR (ESTAE, ESTAI, ETC.) 3 - ARR (ASSOCIATED RECOVERY ROUTINE)
63	(3F)	X'0'	0	SDWANREC	"0" NO RECOVERY WAS SET UP
63	(3F)	X'1'	0	SDWATFRR	"1" FRR WAS GIVEN CONTROL
63	(3F)	X'2'	0	SDWATEST	"2" ESTAE/I/X WAS GIVEN CONTROL
63	(3F)	X'3'	0	SDWATARR	"3" ARR WAS GIVEN CONTROL
64	(40)	CHARACTER	4	SDWAHLHI	Copy of PSAHLHI (Highest Lock Held Indicator) at the time of error, minus any locks that have been released by FRR recovery routines that ran before the current recovery routine. This field was always '0' on entry to Estae-type recovery routines prior to HBB7770

Table 95. Structure SDWARC1 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
68	(44)	CHARACTER	4	SDWASUPR	Copy of PSASUPER (Supervisor Control Word) at the time of error, minus any bits that have been turned off by FRR recovery routines that ran before the current recovery routine. This field was always '0' on entry to Estae-type recovery routines prior to HBB7770
72	(48)	CHARACTER	4	SDWASPN	Copy of LCCASPIN (Processor Spinning Indicators) at the time of error, minus any spins that have been resolved by FRR recovery routines that ran before the current recovery routine. This field was always '0' on entry to Estae-type recovery routines prior to HBB7770
76	(4C)	CHARACTER	4	SDWAEADR	FRR OR ESTAE RECOVERY ROUTINE ADDRESS. =0 IF NO FRR EXISTED WHEN RTM1 RECIEVED CONTROL TO PROCESS A SYSTEM MODE ERROR.
80	(50)	CHARACTER	24	SDWAFRRE	IF FRR EXISTS: COPY OF FRR PARAMETER AREA FROM THE CURRENT FRR STACK ENTRY ON ENTRY TO AN ESTAE: 0
104	(68)	CHARACTER	4	SDWASDRN	SDUMP REASON FLAGS FOR TAKING PARTIAL DUMP. SEE RTSDSRSN FIELD IN RTSD. ADDITIONS TO SDWARC1 - 40 BYTES
108	(6C)	CHARACTER	10	SDWADAEW(0)	STRUCTURE FOR DAE INFO
108	(6C)	CHARACTER	8	SDWADAET	DAE STATUS FLAGS MAPPED BY ADYDSTAT
116	(74)	CHARACTER	2	SDWAOCUR	NUMBER OF OCCURRENCES OF THIS PROBLEM. IF 0 THEN DAE DID NOT CHECK FOR DUPLICATE OCCURRENCES. IF 1 THEN THIS IS THE FIRST OCCURRENCE OF THIS PROBLEM. IF GREATER THAN 1 THEN THIS IS THE COUNT OF HOW MANY TIMES THIS DUMP REQUEST HAS OCCURRED WHILE DAE WAS ACTIVE.
118	(76)	CHARACTER	34	SDWARC1P(0)	THIS PART IS TO BE PRESERVED ON PERCOLATION AND NOT ZEROED
118	(76)	CHARACTER	6	SDWAPGTA(0)	CONTAINING STRUCTURE AS IN LCCAPGTA
118	(76)	CHARACTER	2	SDWAASI1	ADDRESS SPACE ID OF TASK FOR PURGEDQ
120	(78)	SIGNED	4	SDWATCB	ADDRESS OF TCB FOR PURGEDQ
124	(7C)	CHARACTER	28	SDWART12(0)	USED FOR FILLING IN EED'S
124	(7C)	CHARACTER	12	SDWAFAIN	12 BYTES OF INSTRUCTION STREAM AS DETERMINED BY THE ADDRESS IN THE PSW AT THE TIME OF FAILURE. 6 BYTES BEFORE AND AFTER.

Table 95. Structure SDWARC1 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
136	(88)	SIGNED	4	SDWAASCB	ADDRESS OF ASCB FOR FAILING ADDRESS SPACE.
140	(8C)	SIGNED	4	SDWAASST	ADDRESS OF ADDRESS SPACE SEGMENT TABLE.
144	(90)	SIGNED	4	SDWASABC(0)	ORIGINAL COMPLETION CODE.
144	(90)	CHARACTER	1	SDWAOABF	FLAGS IN COMPLETION CODE REGISTER.
		1...		SDWAOREQ	"X'80'" ORIGINAL VALUE OF SDWAREQ
		.1..		SDWAOSTP	"X'40'" ORIGINAL VALUE OF SDWASTEP
		EQU X'20' USED FOR MEMTERM REQUESTS			
		...1		SDWAOSTC	"X'10'" ORIGINAL VALUE OF SDWASTCC
		EQU X'08' USED BY RTM2 FOR NORMAL END-OF-TASK			
		.... .1..		SDWAORCF	"X'04'" VALID REASON CODE IN SDWAOCRC.
		EQU X'02' RESERVED EQU X'01' RESERVED			
145	(91)	CHARACTER	3	SDWAOCMP	COMPLETION CODE.
148	(94)	SIGNED	4	SDWAOCRC	ORIGINAL REASON CODE FROM SDWACRC AT ENTRY TO RECOVERY PROCESSING. ONLY VALID IF SDWAORCF IS SET ON.
		SDWARC1 FIELDS FROM THIS POINT ON ARE PRESERVED ON RTM1 FRR PERCOLATION AND ARE ZEROED ON RTM2 ESTAE PERCOLATION.			
152	(98)	CHARACTER	64	SDWACRER(0)	CONTROL REGISTERS AT TIME OF ERROR. THESE VALUES ARE NOT RESTORED ON RETRY.
152	(98)	SIGNED	4	SDWACRE0	CONTROL REGISTER 0
156	(9C)	SIGNED	4	SDWACRE1	CONTROL REGISTER 1
160	(A0)	SIGNED	4	SDWACRE2	CONTROL REGISTER 2
164	(A4)	SIGNED	4	SDWACRE3	CONTROL REGISTER 3
168	(A8)	SIGNED	4	SDWACRE4	CONTROL REGISTER 4
172	(AC)	SIGNED	4	SDWACRE5	CONTROL REGISTER 5
176	(B0)	SIGNED	4	SDWACRE6	CONTROL REGISTER 6
180	(B4)	SIGNED	4	SDWACRE7	CONTROL REGISTER 7
184	(B8)	SIGNED	4	SDWACRE8	CONTROL REGISTER 8
188	(BC)	SIGNED	4	SDWACRE9	CONTROL REGISTER 9
192	(C0)	SIGNED	4	SDWACREA	CONTROL REGISTER 10
196	(C4)	SIGNED	4	SDWACREB	CONTROL REGISTER 11
200	(C8)	SIGNED	4	SDWACREC	CONTROL REGISTER 12
204	(CC)	SIGNED	4	SDWACRED	CONTROL REGISTER 13
208	(D0)	SIGNED	4	SDWACREE	CONTROL REGISTER 14
212	(D4)	SIGNED	4	SDWACREF	CONTROL REGISTER 15
216	(D8)	CHARACTER	64	SDWAARER(0)	ACCESS REGISTERS AT TIME OF ERROR
216	(D8)	SIGNED	4	SDWAARE0	ACCESS REGISTER 0
220	(DC)	SIGNED	4	SDWAARE1	ACCESS REGISTER 1
224	(E0)	SIGNED	4	SDWAARE2	ACCESS REGISTER 2

Table 95. Structure SDWARC1 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
228	(E4)	SIGNED	4	SDWAARE3	ACCESS REGISTER 3
232	(E8)	SIGNED	4	SDWAARE4	ACCESS REGISTER 4
236	(EC)	SIGNED	4	SDWAARE5	ACCESS REGISTER 5
240	(F0)	SIGNED	4	SDWAARE6	ACCESS REGISTER 6
244	(F4)	SIGNED	4	SDWAARE7	ACCESS REGISTER 7
248	(F8)	SIGNED	4	SDWAARE8	ACCESS REGISTER 8
252	(FC)	SIGNED	4	SDWAARE9	ACCESS REGISTER 9
256	(100)	SIGNED	4	SDWAAREA	ACCESS REGISTER 10
260	(104)	SIGNED	4	SDWAAREB	ACCESS REGISTER 11
264	(108)	SIGNED	4	SDWAAREC	ACCESS REGISTER 12
268	(10C)	SIGNED	4	SDWAARED	ACCESS REGISTER 13
272	(110)	SIGNED	4	SDWAAREE	ACCESS REGISTER 14
276	(114)	SIGNED	4	SDWAAREF	ACCESS REGISTER 15
280	(118)	CHARACTER	64	SDWAARSV(0)	ACCESS REGISTERS OF THE RB LEVEL AND LINKAGE STACK LEVEL WHICH CREATED THE ESTAE EXIT AT THE TIME IT LAST INCURRED AN INTERRUPT OR 0 FOR ESTAI. FOR FRRS INITIALIZED TO REGISTERS AT TIME OF ERROR. THIS REGISTER AREA IS USED TO UPDATE REGISTER CONTENTS FOR RETRY IF REQUESTED.
280	(118)	SIGNED	4	SDWAARS0	ACCESS REGISTER 0
284	(11C)	SIGNED	4	SDWAARS1	ACCESS REGISTER 1
288	(120)	SIGNED	4	SDWAARS2	ACCESS REGISTER 2
292	(124)	SIGNED	4	SDWAARS3	ACCESS REGISTER 3
296	(128)	SIGNED	4	SDWAARS4	ACCESS REGISTER 4
300	(12C)	SIGNED	4	SDWAARS5	ACCESS REGISTER 5
304	(130)	SIGNED	4	SDWAARS6	ACCESS REGISTER 6
308	(134)	SIGNED	4	SDWAARS7	ACCESS REGISTER 7
312	(138)	SIGNED	4	SDWAARS8	ACCESS REGISTER 8
316	(13C)	SIGNED	4	SDWAARS9	ACCESS REGISTER 9
320	(140)	SIGNED	4	SDWAARSA	ACCESS REGISTER 10
324	(144)	SIGNED	4	SDWAARSB	ACCESS REGISTER 11
328	(148)	SIGNED	4	SDWAARSC	ACCESS REGISTER 12
332	(14C)	SIGNED	4	SDWAARSD	ACCESS REGISTER 13
336	(150)	SIGNED	4	SDWAARSE	ACCESS REGISTER 14
340	(154)	SIGNED	4	SDWAARSF	ACCESS REGISTER 15
344	(158)	CHARACTER	64	SDWADUCT	DISPATCHABLE UNIT CONTROL TABLE
408	(198)	BITSTRING	1	SDWATEAR	TRANSLATION EXCEPTION ACCESS REGISTER NUMBER in bits 4-7. The first 4 bits might not be 0.
		 1111		SDWATEAN	"X'0F'" Actual bits for AR number
409	(199)	BITSTRING	1	SDWAXFLG	EXTENDED FLAG AREA
		1...		SDWAINTF	"X'80'" ON, SDWAEC2, SDWASRSV, AND SDWAARSV ARE FROM A LINKAGE STACK ENTRY
		.1..		SDWATEAV	"X'40'" ON, SDWATRAN CONTAINS A VALID ADDRESS
		..1.		SDWATEIV	"X'20'" ON, SDWATRAN CONTAINS A VALID ASID

Table 95. Structure SDWARC1 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		SDWAESTX	"X'10'" ON, IF SDWATYPE = SDWATEST, THE RECOVERY ROUTINE WAS ESTABLISHED VIA ESTAEX
		.... 1...		SDWATEPC	"X'08'" ON, SDWATRAN CONTAINS A VALID PC number
		.... .1..		SDWATIRR	"X'04'" On, if SDWATYPE = SDWATARR, the recovery routine was established via IEAARR
		.... ..1.		SDWASVAL	"X'02'" On, the state of SDWASRBS is valid
		1		SDWARELEASECODEVALID	"X'01'" On, indicates that the abended RB level was interrupted for RTM processing after it had been Released but before it could regain control, and that SdwaReleaseCode contains its Release code. This bit (and SdwaReleaseCode) is propagated upon percolation to another recovery routine
410	(19A)	BITSTRING	1	SDWASFLG	SUBSPACE FLAG AREA
		1...		SDWASVLD	"X'80'" ON IF SUBSPACE INFORMATION AT TIME OF ERROR (SDWASTKN AND SDWASNM) IS AVAILABLE AND VALID
		.1..		SDWASSA	"X'40'" ON IF A SUBSPACE WAS ACTIVE AT TIME OF ERROR
		.... ..1.		SDWABSA	"X'02'" Indicates that Reduced Authority (set via the BSA instruction) is in effect.
		1		SDWASSRS	"X'01'" TURNED ON BY AN ESTAE-TYPE RECOVERY ROUTINE TO INDICATE THAT RTM SHOULD RESTORE ITS ORIGINAL SUBSPACE ENVIRONMENT IF IT RECURSES
411	(19B)	BITSTRING	1	SDWAARCH	Copy of FLCARCH
		1		SDWAZARC	"X'01'" Copy of PSAZARCH
		1		SDWAESAM	"X'01'" Copy of PSAZARCH
412	(19C)	CHARACTER	8	SDWAPRM2(0)	ARR MSTA AREA COPY
412	(19C)	CHARACTER	4	SDWAMST1(0)	1ST WORD OF MSTA AREA
412	(19C)	CHARACTER	4	SDWAPCEP	PC ESTAE PARAM VALUE
416	(1A0)	CHARACTER	4	SDWAMST2(0)	2ND WORD OF MSTA AREA
416	(1A0)	CHARACTER	4	SDWAPCEA	PC ESTAE PARAM ALET VALUE
420	(1A4)	SIGNED	4	SDWALSED	PTR TO LINKAGE STK ENTRY (CR15)
424	(1A8)	CHARACTER	4	SDWACLSE	Copy of PSACLHSE (Locks Held String Extension) at the time of error, minus any locks that have been released by FRR recovery routines that ran before the current recovery routine. This field was always '0' on entry to Estae-type recovery routines prior to HBB7770

Table 95. Structure SDWARC1 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
428	(1AC)	BITSTRING	2	SDWALSLV	FOR RETRY: NUMBER OF BAKR ENTRIES PAST TIME-OF-SET TO SET LINKAGE STACK ON RETRY. IGNORED FOR FRR IF RETRY=ERROR
430	(1AE)	BITSTRING	1	SDWARTAM	Retry Amode: 0 = "normal", 1 = AMODE 24, 2 = AMODE 31, 3 = AMODE 64
430	(1AE)	X'0'	0	SDWARASR	"0" Retry using default AMODE system rules
430	(1AE)	X'1'	0	SDWARA24	"1" Retry to AMODE 24 specifically
430	(1AE)	X'2'	0	SDWARA31	"2" Retry to AMODE 31 specifically
430	(1AE)	X'3'	0	SDWARA64	"3" Retry to AMODE 64 specifically
431	(1AF)	CHARACTER	1		RESERVED
432	(1B0)	CHARACTER	8	SDWASTKN	STOKEN OF THE SUBSPACE AT TIME OF ERROR - VALID ONLY IF SDWASVLD IS ON, NOT AVAILABLE FOR FRRS
440	(1B8)	CHARACTER	8	SDWASNM	NAME OF THE SUBSPACE AT TIME OF ERROR - VALID ONLY IF SDWASVLD IS ON, NOT AVAILABLE FOR FRRS
448	(1C0)	CHARACTER	8	SDWASNAM	Name of the SYSTEM that this record was created on. This is the same system name that is used in a SYSPLEX.
THE LENGTH MUST BE UPDATED IF ADDITIONS ARE MADE HERE					
456	(1C8)	DBL WORD	8	SDWASEND(0)	END OF SERV EXTENSION OF SDWA

Table 96. Structure SDWARC2

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWARC2	, POINTED TO BY SDWAXIOM
0	(0)	CHARACTER	16	SDWAIOMA(0)	ADDITIONAL IO MACHINE CHECK DATA
0	(0)	CHARACTER	8	SDWARFSE(0)	FSA
0	(0)	CHARACTER	4	SDWARFSH	High half of FSA (zero pre-z/Architecture)
4	(4)	CHARACTER	4	SDWARFSL	Low half of FSA
8	(8)	CHARACTER	8	SDWAMCIC	MACHINE CHECK INTERRUPT CODE
16	(10)	DBL WORD	8	SDWAIEND(0)	END OF SDWAIOMA EXTENSION OF SDWA

Table 97. Structure SDWARC3

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWARC3	, POINTED TO BY SDWAXLCK
0	(0)	CHARACTER	32	SDWAFLCK(0)	ADDITIONAL FRELOCK DATA
0	(0)	BITSTRING	1	SDWAFLK1	FLAGS INDICATING WHAT LOCKS ARE TO BE FREED
		1...		SDWAFCPU	"X'80'" ON, FREE THE CPU LOCK

Table 97. Structure SDWARC3 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		SDWAFRSM	"X'08'" ON, FREE THE RSM LOCK
		.... .1..		SDWAFTRC	"X'04'" ON, FREE THE TRACE LOCK
		.... ..1.		SDWAIOCB	"X'02'" ON, THE IOS LOCK
1	(1)	BITSTRING	1	SDWAFLK2	FLAGS INDICATING WHAT LOCKS ARE TO BE FREED
		...1		SDWAFRSC	"X'10'" ON, FREE THE RSM COMMON CLASS LOCK
		.... 1...		SDWAFRSG	"X'08'" ON, FREE THE RSM GLOBAL CLASS LOCK
		.... .1..		SDWAFVSF	"X'04'" ON, FREE THE VSM FIX LOCK
		.... ..1.		SDWAFASG	"X'02'" ON, FREE THE ASM GLOBAL CLASS LOCK
		1		SDWAFRSS	"X'01'" ON, FREE THE RSM STEAL CLASS LOCK
2	(2)	CHARACTER	4	SDWAFLKE(0)	FLAGS INDICATING LOCKS TO BE FREED
2	(2)	CHARACTER	1	SDWAFLE1	FLAGS FOR LOCKS TO BE FREED IN FIRST BYTE OF EXTENSION
		1...		SDWABLSD	"X'80'" ON, FREE THE BMFLSD LOCK
		.1..		SDWAXDS	"X'40'" ON, FREE THE XCFDS LOCK
		..1.		SDWAXRES	"X'20'" ON, FREE THE XCFRES LOCK
		...1		SDWAXQ	"X'10'" ON, FREE THE XCFQ LOCK
		.... 1...		SDWAESET	"X'08'" ON, FREE THE ETRSET LOCK
		.... .1..		SDWAIXSC	"X'04'" ON, FREE THE IXLSCH LOCK
		.... ..1.		SDWAIXSR	"X'02'" ON, FREE THE IXLSHR LOCK
		1		SDWAIXDS	"X'01'" ON, FREE THE IXLDS LOCK
3	(3)	CHARACTER	1	SDWAFLE2	FLAGS FOR LOCKS TO BE FREED IN SECOND BYTE OF EXTENSION
		1...		SDWAIXSH	"X'80'" ON, FREE THE IXLSHELL LOCK
		.1..		SDWAULUT	"X'40'" ON, FREE THE IOSULUT LOCK
		..1.		SDWAIXRE	"X'20'" ON, FREE THE IXLREQST LOCK
		...1		SDWAWLMR	"X'10'" On, free the WLMRES lock
		.... 1...		SDWAWLMQ	"X'08'" On, free the WLMQ lock
		.... .1..		SDWACNTX	"X'04'" On, free the CONTEXT lock
		.... ..1.		SDWARGSV	"X'02'" On, free the REGSRV lock
		1		SDWASSD	"X'01'" On, free the SSD lock
4	(4)	CHARACTER	1	SDWAFLE3	FLAGS FOR LOCKS TO BE FREED IN THIRD BYTE OF EXTENSION
		1...		SDWAGRSI	"X'80'" On, free the GRSINT lock
		.1..		SDWAMISL	"X'40'" On, free the MISC lock
		.1..		SDWASLK1	"X'40'" N/A
		..1.		SDWADNU2	"X'20'" N/A
		..1.		SDWANLK1	"X'20'" N/A
		...1		SDWADNU3	"X'10'" N/A
		...1		SDWAOLK1	"X'10'" N/A
		.... 1...		SDWADNU4	"X'08'" N/A
		.... 1...		SDWAXLK1	"X'08'" N/A
		.... .1..		SDWADNU5	"X'04'" N/A

Table 97. Structure SDWARC3 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		SDWARLK3	"X'04'" N/A
		.... ..1.		SDWARLK2	"X'02'" On, free the HCWDRLK2 lock
		1		SDWARLK1	"X'01'" On, free the HCWDRLK1 lock
5	(5)	CHARACTER	1	SDWAFLE4	FLAGS FOR LOCKS TO BE FREED IN FOURTH BYTE OF EXTENSION
		1...		SDWASRME	"X'80'" On, free the SRMENQ lock
		.1..		SDWASSDG	"X'40'" On, free the SSDGROUP lock
6	(6)	CHARACTER	2		RESERVED
8	(8)	SIGNED	4	SDWALRSG	LOCKWORD ADDR FOR THE RSMGL LOCK
12	(C)	SIGNED	4	SDWALASG	LOCKWORD ADDR FOR THE ASMGL LOCK
16	(10)	SIGNED	4	SDWALRSS	LOCKWORD ADDR FOR THE RSMST LOCK
20	(14)	SIGNED	4	SDWALRSX	LOCKWORD ADDR FOR THE RSMXM LOCK
24	(18)	SIGNED	4	SDWALRSA	LOCKWORD ADDR FOR THE RSMAD LOCK
28	(1C)	SIGNED	4	SDWALRSC	LOCKWORD ADDR FOR THE RSMCM LOCK
32	(20)	DBL WORD	8	SDWALEND(0)	END OF SDWAFLCK EXTENSION OF SDWA

Table 98. Structure SDWARC4

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWARC4	, Pointed to by SDWAXEME
0	(0)	CHARACTER	128	SDWAG64(0)	64-bit GPRs - initially contains registers at the time of error. When SDWAUP64 or SDWAG64R are on, these have been set to contain the requested retry registers and SDWAGRSV and SDWAG64H should be used for the time of error register contents. When the error was a program interrupt within transactional execution, these are the regs at the time of the program interrupt within the transaction.
0	(0)	CHARACTER	128	SDWATX_PITDB_G64(0)	Same as SDWAG64
0	(0)	DBL WORD	8	SDWAG6400	Register 0
8	(8)	DBL WORD	8	SDWAG6401	Register 1
16	(10)	DBL WORD	8	SDWAG6402	Register 2
24	(18)	DBL WORD	8	SDWAG6403	Register 3
32	(20)	DBL WORD	8	SDWAG6404	Register 4
40	(28)	DBL WORD	8	SDWAG6405	Register 5
48	(30)	DBL WORD	8	SDWAG6406	Register 6
56	(38)	DBL WORD	8	SDWAG6407	Register 7
64	(40)	DBL WORD	8	SDWAG6408	Register 8
72	(48)	DBL WORD	8	SDWAG6409	Register 9
80	(50)	DBL WORD	8	SDWAG6410	Register 10
88	(58)	DBL WORD	8	SDWAG6411	Register 11
96	(60)	DBL WORD	8	SDWAG6412	Register 12
104	(68)	DBL WORD	8	SDWAG6413	Register 13

Table 98. Structure SDWARC4 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
112	(70)	DBL WORD	8	SDWAG6414	Register 14
120	(78)	DBL WORD	8	SDWAG6415	Register 15
128	(80)	CHARACTER	1		Reserved
129	(81)	CHARACTER	3	SDWARELEASECODE	Release code when the abended RB level was interrupted for RTM processing after it had been Released but before it could regain control. This field is valid only when SdwaReleaseCodeValid is on. For a Pause multiple, contains the highest Release code at the time of the abend
132	(84)	CHARACTER	4		Reserved
136	(88)	CHARACTER	64	SDWAG64H(0)	High order halves of the time of error 64-bit registers. The low order halves are in SDWAGRSV. Also see SDWAG64. When the error was a program interrupt within transactional execution, these are the regs at the time of the program interrupt within the transaction.
136	(88)	CHARACTER	64	SDWATX_PITDB_G64H	Same as SDWAG64H
200	(C8)	CHARACTER	128	SDWAC64S(0)	z/Architecture CRs at time of error
200	(C8)	CHARACTER	8	SDWAC640	z/Architecture CR0 at time of error
208	(D0)	CHARACTER	8	SDWAC641	z/Architecture CR1 at time of error
216	(D8)	CHARACTER	8	SDWAC642	z/Architecture CR2 at time of error
224	(E0)	CHARACTER	16	SDWAC64_XM(0)	z/Architecture CR3/CR4 at time of error
224	(E0)	CHARACTER	8	SDWAC643(0)	z/Architecture CR3 at time of error
224	(E0)	CHARACTER	4		
228	(E4)	CHARACTER	2	SDWAC643_KM	Key Mask
230	(E6)	CHARACTER	2	SDWAC643_SASID	Secondary ASID
232	(E8)	CHARACTER	8	SDWAC644(0)	z/Architecture CR4 at time of error
232	(E8)	CHARACTER	4		
236	(EC)	CHARACTER	2	SDWAC644_AX	Authorization index
238	(EE)	CHARACTER	2	SDWAC644_PASID	Primary ASID
240	(F0)	CHARACTER	8	SDWAC645	z/Architecture CR5 at time of error
248	(F8)	CHARACTER	8	SDWAC646	z/Architecture CR6 at time of error
256	(100)	CHARACTER	8	SDWAC647	z/Architecture CR7 at time of error
264	(108)	CHARACTER	8	SDWAC648	z/Architecture CR8 at time of error
272	(110)	CHARACTER	8	SDWAC649	z/Architecture CR9 at time of error

Table 98. Structure SDWARC4 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
280	(118)	CHARACTER	8	SDWAC64A	z/Architecture CRA at time of error
288	(120)	CHARACTER	8	SDWAC64B	z/Architecture CRB at time of error
296	(128)	CHARACTER	8	SDWAC64C	z/Architecture CRC at time of error
304	(130)	CHARACTER	8	SDWAC64D	z/Architecture CRD at time of error
312	(138)	CHARACTER	8	SDWAC64E	z/Architecture CRE at time of error
320	(140)	CHARACTER	8	SDWAC64F	z/Architecture CRF at time of error
328	(148)	CHARACTER	8	SDWATRNE	8-byte TEA
336	(150)	CHARACTER	8	SDWABEA	Breaking Event Address
344	(158)	CHARACTER	16	SDWAPSW16(0)	16-byte PSW analog of SDWAEC1. When the error was a program interrupt within transactional execution, this is the PSW at the time of the program interrupt within the transaction.
344	(158)	CHARACTER	16	SDWATX_PITDB_PSW16	Same as SDWAPSW16
360	(168)	DBL WORD	8	SDWAEEND(0)	End of 64-bit extension of the SDWA

Table 99. Structure SDWARC5

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWARC5	, Pointed to by SDWAXRC5
0	(0)	CHARACTER	128	SDWATX_ABORT_G64(0)	Transaction abort G64. 64-bit GPRs 0-15 in order. This data is valid only when bits SDWAPCHK and SDWAPTX1 are on, indicating that the program interrupt occurred while within transactional execution
0	(0)	CHARACTER	128	SDWATXG64	Same as SDWATX_ABORT_G64
128	(80)	CHARACTER	16	SDWATX_ABORT_PSW16(0)	Transaction abort PSW. This data is valid only when bits SDWAPCHK and SDWAPTX1 are on, indicating that the program interrupt occurred while within transactional execution
128	(80)	CHARACTER	16	SDWATXPSW16	Same as SDWATX_ABORT_PSW16
144	(90)	DBL WORD	8	SDWA5END(0)	End of SDWARC5

Table 100. Structure SDWAPTRS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWAPTRS	, POINTED TO BY SDWAXPAD
0	(0)	ADDRESS	4	SDWADSRP	ADDR DUMP STORAGE RANGES PTR. - SDWANRC1

Table 100. Structure SDWAPTRS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	ADDRESS	4	SDWASRVP	ADDR ADDITIONAL COMP SERV DATA - SDWARC1
8	(8)	ADDRESS	4	SDWAXIOM	ADDR OF I/O MACHINE CHECK AREA - SDWARC2
12	(C)	ADDRESS	4	SDWAXSPL	ADDR OF STORAGE SUBPOOLS AREA - SDWANRC2
16	(10)	ADDRESS	4	SDWAXLCK	ADDR ADDITIONAL FRELOCK DATA - SDWARC3
20	(14)	ADDRESS	4	SDWADSPP	DATA SPACE STORAGE RANGES POINTER - SDWANRC3
24	(18)	ADDRESS	4	SDWAXEME	Addr 64-bit information - SDWARC4
28	(1C)	ADDRESS	4	SDWAXRC5	Addr SDWARC5
32	(20)	DBL WORD	8	SDWAPEND(0)	END OF PTRS EXTENSION OF SDWA

Table 101. Structure SDWANRC1

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWANRC1	, NONRECORDABLE EXTENSION, BASED SDWADSRP
0	(0)	CHARACTER	240	SDWADSR	DUMP STORAGE RANGES
240	(F0)	DBL WORD	8	SDWAREND(0)	END OF DSR EXTENSION OF SDWA

Table 102. Structure SDWANRC2

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWANRC2	, POINTED TO BY SDWAXSPL
0	(0)	X'7'	0	SDWASPMX	"7" MAX NUMBER OF SUBPOOLS ON DUMPOPT
0	(0)	CHARACTER	16	SDWASPLE(0)	UP TO 7 SUBPOOLS OF STORAGE TO BE DUMPED BY ABDUMP
0	(0)	SIGNED	2	SDWASPLN	NUMBER OF SUBPOOLS TO BE DUMPED
2	(2)	SIGNED	2	SDWASPLS(7)	IDS OF SUBPOOLS TO BE DUMPED
16	(10)	DBL WORD	8	SDWASEN(0)	END OF SDWASPLS EXTENSION OF SDWA

Table 103. Structure SDWANRC3

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWANRC3	, DUMPOPX EXTENSION, POINTED TO BY SDWADSPP
0	(0)	CHARACTER	240	SDWADXSL(0)	LIST OF DUMPOPX RANGES
0	(0)	CHARACTER	16	SDWADXSR(15)	DUMPOPX RANGE (UP TO 15)
240	(F0)	DBL WORD	8	SDWADEND(0)	
240	(F0)	X'F'	0	SDWADXMX	"15" UP TO 15 DATA SPACE STORAGE RANGES MAY BE SPECIFIED
240	(F0)	X'298'	0	SDWALEN	"SDWAEND-SDWA" LENGTH OF SDWA
240	(F0)	X'20'	0	SDWAPLEN	"SDWAPEND-SDWAPTRS" LENGTH OF PTRS EXTENSION

Table 103. Structure SDWANRC3 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
240	(F0)	X'F0'	0	SDWARLEN	"SDWAREND-SDWANRC1" LENGTH OF DSR EXTENSION
240	(F0)	X'1C8'	0	SDWACLEN	"SDWASEND-SDWARC1" LENGTH OF SERV EXTENSION
240	(F0)	X'10'	0	SDWAILEN	"SDWAIEND-SDWARC2" LENGTH OF IOMA EXTENSION
240	(F0)	X'20'	0	SDWALLEN	"SDWALEND-SDWARC3" LENGTH OF FRELOCK EXTENSION
240	(F0)	X'10'	0	SDWASPL	"SDWASEN-SDWANRC2" LENGTH OF SUBPOOL EXTENSION
240	(F0)	X'F0'	0	SDWADLEN	"SDWADEND-SDWANRC3" LENGTH OF EXTENSION FOR DATA SPACE RANGES
240	(F0)	X'1F0'	0	SDWANLNS	"SDWARLEN+SDWASPL+SDWADLEN" Non-recordable extensions
240	(F0)	X'168'	0	SDWAELEN	"SDWAEEND-SDWARC4" Length of z/Architecture extension
240	(F0)	X'90'	0	SDWARC5L	"SDWA5END-SDWARC5" Length of SDWARC5
240	(F0)	X'3F0'	0	SDWARLNS	"SDWACLEN+SDWAILEN+SDWALLEN+SDWAELEN+SDWARC5L"
240	(F0)	X'688'	0	SDWAMLNP	"SDWALEN+SDWACLEN+SDWAILEN+SDWALLEN+SDWAELEN+SDWARC5L"
240	(F0)	X'6A8'	0	SDWAMLEN	"SDWAMLNP+SDWAPLEN"
	Total length of SDWA with only recordable extensions. This is a super stack SDWA.				
240	(F0)	X'898'	0	SDWATLEN	"SDWAMLEN+SDWANLNS"
	Total length of SDWA with all extensions This is a normal stack SDWA				
240	(F0)	X'6A0'	0	SDWAOLEN	"SDWATLEN-SDWAELEN-SDWARC5L"
	Total length of SDWA with all extensions except RC4 and RC5. This is an RTM2 below-16M SDWA				
240	(F0)	X'7B8'	0	SDWASLEN	"SDWAMLEN+272"
	Getmain length for super stack FRR SDWA				
240	(F0)	X'9A8'	0	SDWAFLEN	"SDWASLEN+SDWANLNS"
	Getmain length for normal stack FRR SDWA				
240	(F0)	X'0'	0	SDWANOPR	"0" THIS FIELD IS ONLY DEFINED IN ASSEMBLER VERSION OF THE SDWA. ITS PURPOSE IS TO FLAG INCOMPATIBLE USE OF SETRP AND SDWA.

Table 104. Structure SDWA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SDWA	

SDWA mapping

Table 105. Cross Reference for SDWA

Name	Offset	Hex Tag
SDWA	0	
SDWA	0	
SDWAABCC	4	
SDWAABTM	E8	8
SDWAACF2	FD	
SDWAACF3	FE	
SDWAACF4	FF	
SDWAACR	D5	8
SDWAADD1	6D	
SDWAADD2	7D	
SDWAAEC1	70	
SDWAAEC2	80	
SDWAALLN	145	8
SDWAAMF1	6C	
SDWAAMF2	7C	
SDWAAMOD	F0	80
SDWAAPLW	110	
SDWAARCH	19B	
SDWAAREA	100	
SDWAAREB	104	
SDWAAREC	108	
SDWAARED	10C	
SDWAAREE	110	
SDWAAREF	114	
SDWAARER	D8	
SDWAARE0	D8	
SDWAARE1	DC	
SDWAARE2	E0	
SDWAARE3	E4	
SDWAARE4	E8	
SDWAARE5	EC	
SDWAARE6	F0	
SDWAARE7	F4	
SDWAARE8	F8	
SDWAARE9	FC	
SDWAARGU	D4	1
SDWAARSA	140	
SDWAARSB	144	
SDWAARSC	148	
SDWAARSD	14C	
SDWAARSE	150	
SDWAARSF	154	
SDWAARSV	118	
SDWAARS0	118	
SDWAARS1	11C	
SDWAARS2	120	
SDWAARS3	124	
SDWAARS4	128	
SDWAARS5	12C	

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWAARS6	130	
SDWAARS7	134	
SDWAARS8	138	
SDWAARS9	13C	
SDWAASCB	88	
SDWAASCM	6A	C0
SDWAASID	120	
SDWAASI1	76	
SDWAASMP	FE	8
SDWAASST	8C	
SDWAAX	178	
SDWABEA	150	
SDWABLSD	2	80
SDWABSA	19A	2
SDWACBS	144	4
SDWACCA	C	30
SDWACCF	3D	80
SDWACCP	14	30
SDWACCRC	3D	
SDWACC1	6A	30
SDWACC2	7A	30
SDWACHNG	D8	1
SDWACID	0	
SDWACIDB	38	
SDWACLEN	F0	1C8
SDWACLSE	1A8	
SDWACLUP	EB	80
SDWACMKA	8	
SDWACMKP	10	
SDWACML	FD	1
SDWACMLA	17C	
SDWACMPC	5	
SDWACMPF	4	
SDWACMS	FF	2
SDWACNTX	3	4
SDWACOMP	188	
SDWACOMU	180	
SDWACPID	D6	
SDWACPUA	F8	
SDWACPUI	EF	
SDWACRC	2C	
SDWACREA	C0	
SDWACREB	C4	
SDWACREC	C8	
SDWACRED	CC	
SDWACREE	D0	
SDWACREF	D4	
SDWACRER	98	
SDWACRE0	98	

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWACRE1	9C	
SDWACRE2	A0	
SDWACRE3	A4	
SDWACRE4	A8	
SDWACRE5	AC	
SDWACRE6	B0	
SDWACRE7	B4	
SDWACRE8	B8	
SDWACRE9	BC	
SDWACRGS	174	
SDWACR3	174	
SDWACR4	178	
SDWACSCT	12C	
SDWACTL1	8	
SDWACTL2	10	
SDWACTS	EB	10
SDWACWT	FC	0
SDWAC64_XM	E0	
SDWAC64A	118	
SDWAC64B	120	
SDWAC64C	128	
SDWAC64D	130	
SDWAC64E	138	
SDWAC64F	140	
SDWAC64S	C8	
SDWAC640	C8	
SDWAC641	D0	
SDWAC642	D8	
SDWAC643	E0	
SDWAC643_KM	E4	
SDWAC643_SASID	E6	
SDWAC644	E8	
SDWAC644_AX	EC	
SDWAC644_PASID	EE	
SDWAC645	F0	
SDWAC646	F8	
SDWAC647	100	
SDWAC648	108	
SDWAC649	110	
SDWADAET	6C	
SDWADAEW	6C	
SDWADDAT	144	
SDWADEC1	6A	4
SDWADEC2	7A	4
SDWADEND	F0	
SDWADISP	FE	10
SDWADLEN	F0	F0
SDWADLST	141	40
SDWADM	144	1

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWADNU2	4	20
SDWADNU3	4	10
SDWADNU4	4	8
SDWADNU5	4	4
SDWADOA	C	4
SDWADOP	14	4
SDWADPFS	141	
SDWADPF2	142	
SDWADPID	140	
SDWADPLA	13C	
SDWADPSA	148	
SDWADPSL	148	
SDWADPSW	146	4
SDWADPT	141	80
SDWADPVA	192	
SDWADREG	146	20
SDWADSAH	146	40
SDWADSAS	146	80
SDWADSPP	14	
SDWADSR	0	
SDWADSRP	0	
SDWADUCT	158	
SDWADUMP	140	
SDWADVS3	142	80
SDWADXC	77	
SDWADXMX	F0	F
SDWADXSL	0	
SDWADXSR	0	
SDWAEADR	4C	
SDWAEAS	EA	8
SDWAEBC	192	40
SDWAECT1	69	8
SDWAECT2	79	8
SDWAEC1	68	
SDWAEC2	78	
SDWAEEND	168	
SDWAELEN	F0	168
SDWAEMK1	68	
SDWAEMK2	78	
SDWAEND	298	
SDWAENRB	E9	4
SDWAENSN	141	20
SDWAEPA	60	
SDWAERFL	EB	1
SDWAERR	145	40
SDWAERRA	E8	
SDWAERRB	E9	
SDWAERRC	EA	
SDWAERRD	EB	

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWAERTM	18C	
SDWAESAM	19B	1
SDWAESET	2	8
SDWAESTX	199	10
SDWAEUA	C	2
SDWAEUP	14	2
SDWAEXP1	6A	2
SDWAEXP2	7A	2
SDWAEXTA	8	1
SDWAEXTP	10	1
SDWAEXT1	68	1
SDWAEXT2	78	1
SDWAFAIN	7C	
SDWAFASG	1	2
SDWAFCPU	0	80
SDWAFIOB	4	
SDWAFLCK	0	
SDWAFLEN	F0	9A8
SDWAFLE1	2	
SDWAFLE2	3	
SDWAFLE3	4	
SDWAFLE4	5	
SDWAFLGS	E8	
SDWAFLKE	2	
SDWAFLK1	0	
SDWAFLK2	1	
SDWAFLLK	FF	1
SDWAFLSQ	D9	4
SDWAFMID	EC	
SDWAFPA	C	8
SDWAFPO1	6A	8
SDWAFPO2	7A	8
SDWAFPP	14	8
SDWAFPRX	D5	2
SDWAFREE	FD	4
SDWAFRLK	3E	20
SDWAFRM1	148	
SDWAFRM2	150	
SDWAFRM3	158	
SDWAFRM4	160	
SDWAFRRE	50	
SDWAFRSA	FE	40
SDWAFRSC	1	10
SDWAFRSD	FE	1
SDWAFRSG	1	8
SDWAFRSM	0	8
SDWAFRSS	1	1
SDWAFRSX	FE	80
SDWAFSQA	D9	8

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWAFTRC	0	4
SDWAFVSF	1	4
SDWAFVSP	FE	20
SDWAGLBL	EA	1
SDWAGRSI	4	80
SDWAGRSV	18	
SDWAGR00	18	
SDWAGR01	1C	
SDWAGR02	20	
SDWAGR03	24	
SDWAGR04	28	
SDWAGR05	2C	
SDWAGR06	30	
SDWAGR07	34	
SDWAGR08	38	
SDWAGR09	3C	
SDWAGR10	40	
SDWAGR11	44	
SDWAGR12	48	
SDWAGR13	4C	
SDWAGR14	50	
SDWAGR15	54	
SDWAGTF	144	8
SDWAG64	0	
SDWAG64H	88	
SDWAG64R	3E	4
SDWAG6400	0	
SDWAG6401	8	
SDWAG6402	10	
SDWAG6403	18	
SDWAG6404	20	
SDWAG6405	28	
SDWAG6406	30	
SDWAG6407	38	
SDWAG6408	40	
SDWAG6409	48	
SDWAG6410	50	
SDWAG6411	58	
SDWAG6412	60	
SDWAG6413	68	
SDWAG6414	70	
SDWAG6415	78	
SDWAHEX	192	80
SDWAHLHI	40	
SDWAHRC	2C	
SDWAICD1	73	
SDWAICD2	83	
SDWAIC1H	72	
SDWAIC2H	82	

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWAID	293	
SDWAIDNT	C8	
SDWAIEND	10	
SDWAILA	C	C0
SDWAILC1	71	
SDWAILC2	81	
SDWAILEN	F0	10
SDWAILP	14	C0
SDWAIL1	71	6
SDWAIL2	81	6
SDWAIMC1	73	40
SDWAIMC2	83	40
SDWAINC1	72	
SDWAINC2	82	
SDWAINSF	D5	4
SDWAINTA	A	
SDWAINTC	D9	40
SDWAINTF	199	80
SDWAINTP	12	
SDWAINT1	6A	
SDWAINT2	7A	
SDWAINVP	D4	10
SDWAIO	145	80
SDWAIOA	8	FE
SDWAIOBR	64	
SDWAIOCB	0	2
SDWAIOFS	EE	
SDWAIOHT	EE	40
SDWAIOMA	0	
SDWAIOP	10	FE
SDWAIOQR	EE	80
SDWAIO1	68	2
SDWAIO2	78	2
SDWAIPC1	73	3F
SDWAIPC2	83	3F
SDWAIPLW	10C	
SDWAIPRG	FE	2
SDWAIPR1	73	80
SDWAIPR2	83	80
SDWAIRB	EA	20
SDWAIUCB	FF	80
SDWAIULW	104	
SDWAIXDS	2	1
SDWAIXRE	3	20
SDWAIXSC	2	4
SDWAIXSH	3	80
SDWAIXSR	2	2
SDWAKEAX	3E	8
SDWAKEYA	9	F0

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWAKEYP	11	F0
SDWAKEY1	69	F0
SDWAKEY2	79	F0
SDWAKM	174	
SDWALASG	C	
SDWALCL	EA	2
SDWALCPU	FA	
SDWALDIS	E9	2
SDWALEN	F0	298
SDWALEND	20	
SDWALKWA	100	
SDWALKWS	100	
SDWALLEN	F0	20
SDWALNTH	C9	
SDWALRSA	18	
SDWALRSC	1C	
SDWALRSD	100	
SDWALRSG	8	
SDWALRSS	10	
SDWALRSX	14	
SDWALSED	1A4	
SDWALSLV	1AC	
SDWALSQA	144	20
SDWALVL2	142	4
SDWAMABD	EB	8
SDWAMCH	CC	
SDWAMCHD	D5	
SDWAMCHI	D4	
SDWAMCHK	E8	80
SDWAMCHO	DA	
SDWAMCHS	D4	
SDWAMCIC	8	
SDWAMCIV	EB	2
SDWAMCKA	9	4
SDWAMCKP	11	4
SDWAMCK1	69	4
SDWAMCK2	79	4
SDWAMDAT	1C	
SDWAMISL	4	40
SDWAMLEN	F0	6A8
SDWAMLNP	F0	688
SDWAMLVL	1C	
SDWAMODN	124	
SDWAMOD1	6C	80
SDWAMOD2	7C	80
SDWAMSER	D8	2
SDWAMST1	19C	
SDWAMST2	1A0	
SDWAMVRS	24	

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWAMWPA	9	
SDWAMWPP	11	
SDWAMWP1	69	
SDWAMWP2	79	
SDWANAME	58	
SDWANIOP	EE	10
SDWANLK1	4	20
SDWANLNS	F0	1F0
SDWANMFS	E9	40
SDWANOIO	EE	20
SDWANOPR	F0	0
SDWANRBE	EB	40
SDWANRC1	0	
SDWANRC2	0	
SDWANRC3	0	
SDWANREC	3F	0
SDWANSWA	D8	4
SDWANSWP	D8	8
SDWANUC	144	80
SDWANUCL	D9	10
SDWANXTA	D	
SDWANXTP	15	
SDWANXT1	6C	
SDWANXT2	7C	
SDWAOABF	90	
SDWAOCMP	91	
SDWAOCRC	94	
SDWAOCUR	74	
SDWAOFLN	D9	80
SDWAOLEN	F0	6A0
SDWAOLK1	4	10
SDWAOPTM	FF	4
SDWAORCF	90	4
SDWAOREQ	90	80
SDWAOSTC	90	10
SDWAOSTP	90	40
SDWAPARM	0	
SDWAPARQ	FC	
SDWAPCEA	1A0	
SDWAPCEP	19C	
SDWAPCHK	E8	40
SDWAPDAT	146	
SDWAPDIP	E9	80
SDWAPEND	20	
SDWAPERC	EA	10
SDWAPER1	68	40
SDWAPER2	78	40
SDWAPGFX	D9	2
SDWAPGIO	E8	1

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWAPGM1	69	1
SDWAPGM2	79	1
SDWAPGTA	76	
SDWAPLEN	F0	20
SDWAPMKA	C	
SDWAPMKP	14	
SDWAPREF	D8	20
SDWAPRIM	17A	
SDWAPRM2	19C	
SDWAPSTI	FC	10
SDWAPSWU	D5	20
SDWAPSW16	158	
SDWAPTRS	0	
SDWAPTX1	72	2
SDWAPTX2	82	2
SDWAQQS	144	2
SDWARA	190	
SDWARASR	1AE	0
SDWARA24	1AE	1
SDWARA31	1AE	2
SDWARA64	1AE	3
SDWARBAD	58	
SDWARCDE	FC	
SDWARCDF	D4	40
SDWARCF	4	4
SDWARCRD	FD	80
SDWARC1	0	
SDWARC1P	76	
SDWARC1Z	0	
SDWARC2	0	
SDWARC3	0	
SDWARC4	0	
SDWARC5	0	
SDWARC5L	F0	90
SDWAREAF	3D	40
SDWARECA	F4	
SDWARECP	124	
SDWAREGU	D5	40
SDWARELEASECODE	81	
SDWARELEASECODEVALID	199	1
SDWAREMR	3E	40
SDWAREND	F0	
SDWAREQ	4	80
SDWARERR	FD	10
SDWARETF	3E	
SDWARETY	FC	4
SDWAREXN	134	
SDWARFSA	DC	
SDWARFSE	0	

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWARFSH	0	
SDWARFSL	4	
SDWARFXM	FD	40
SDWARGSV	3	2
SDWARKEY	E8	20
SDWARLEN	F0	F0
SDWARLK1	4	1
SDWARLK2	4	2
SDWARLK3	4	4
SDWARLNS	F0	3F0
SDWARPIV	EB	4
SDWARRL	30	
SDWARSMQ	FF	40
SDWARSRC	D4	8
SDWARSRF	D4	4
SDWARSR1	D8	
SDWARSR2	D9	
SDWARTAM	1AE	
SDWARTYA	F0	
SDWARTYF	F0	
SDWART12	7C	
SDWART15	3E	80
SDWASABC	90	
SDWASALL	FE	4
SDWASC	5	
SDWASCK	D5	10
SDWASCKB	CC	
SDWASCKE	D0	
SDWASCND	176	
SDWASDAT	144	
SDWASDA0	144	
SDWASDA1	145	
SDWASDRC	3C	
SDWASDRN	68	
SDWASEN	10	
SDWASEND	1C8	
SDWASEQ#	122	
SDWASERP	FD	2
SDWASERV	0	
SDWASFLG	19A	
SDWASGA	C	1
SDWASGN1	6A	1
SDWASGN2	7A	1
SDWASGP	14	1
SDWASKIP	EA	4
SDWASKPR	DA	80
SDWASKYF	D5	80
SDWASLEN	F0	7B8
SDWASLK1	4	40

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWASLST	141	2
SDWASNAM	1C0	
SDWASNM	1B8	
SDWASNPA	140	
SDWASPER	D9	20
SDWASPID	C8	
SDWASPIN	FD	20
SDWASPL	F0	10
SDWASPLE	0	
SDWASPLN	0	
SDWASPLS	2	
SDWASPMX	0	7
SDWASPN	48	
SDWASPVA	9	1
SDWASPVP	11	1
SDWASQA	144	40
SDWASRBM	E9	1
SDWASRBS	E9	10
SDWASRBT	E9	20
SDWASRME	5	80
SDWASRSV	88	
SDWASRVL	D4	80
SDWASRVP	4	
SDWASR00	88	
SDWASR01	8C	
SDWASR02	90	
SDWASR03	94	
SDWASR04	98	
SDWASR05	9C	
SDWASR06	A0	
SDWASR07	A4	
SDWASR08	A8	
SDWASR09	AC	
SDWASR10	B0	
SDWASR11	B4	
SDWASR12	B8	
SDWASR13	BC	
SDWASR14	C0	
SDWASR15	C4	
SDWASSA	19A	40
SDWASSD	3	1
SDWASSDG	5	40
SDWASSRS	19A	1
SDWASTAE	EB	20
SDWASTAF	EA	80
SDWASTAI	EA	40
SDWASTCC	4	10
SDWASTCK	CC	
SDWASTEP	4	40

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWASTKN	1B0	
SDWASTRM	E8	1
SDWASUBL	142	2
SDWASUM	145	10
SDWASUPR	44	
SDWASVAL	199	2
SDWASVCD	E8	10
SDWASVCE	E8	4
SDWASVLD	19A	80
SDWASWA	144	10
SDWAS1	6A	80
SDWAS2	7A	80
SDWATADB	FF	8
SDWATALW	11C	
SDWATARR	3F	3
SDWATCB	78	
SDWATEAN	198	F
SDWATEAR	198	
SDWATEAV	199	40
SDWATEIV	199	20
SDWATEPC	199	8
SDWATERR	D5	1
SDWATEST	3F	2
SDWATEXC	E8	2
SDWATFRR	3F	1
SDWATIME	E0	
SDWATIRR	199	4
SDWATJPA	146	8
SDWATLEN	F0	898
SDWATLPA	146	10
SDWATO1	14C	
SDWATO2	154	
SDWATO3	15C	
SDWATO4	164	
SDWATRAN	74	
SDWATRM1	68	4
SDWATRM2	78	4
SDWATRNE	148	
SDWATRN2	84	
SDWATSVL	D4	20
SDWATX_ABORT_G64	0	
SDWATX_ABORT_PSW16	80	
SDWATX_PITDB_EC1	68	
SDWATX_PITDB_GRSV	18	
SDWATX_PITDB_G64	0	
SDWATX_PITDB_G64H	88	
SDWATX_PITDB_PSW16	158	
SDWATXG64	0	
SDWATXPSW16	80	

Table 105. Cross Reference for SDWA (continued)

Name	Offset	Hex Tag
SDWATYPE	3F	
SDWATYP1	E9	8
SDWAULUT	3	40
SDWAUPRG	FD	8
SDWAUP64	3E	10
SDWAURAL	193	
SDWAUSPL	146	2
SDWAVEQR	D9	1
SDWAVERF	16C	
SDWAVERI	16C	
SDWAVID	16E	
SDWAVRA	194	
SDWAVRAL	190	
SDWAVRAM	192	20
SDWAVRCN	D8	10
SDWAVRIV	D4	2
SDWAVSN	16E	9
SDWAVS10	16E	8
SDWAVS11	16E	9
SDWAVS3	16E	1
SDWAVS4	16E	2
SDWAVS5	16E	3
SDWAVS6	16E	4
SDWAVS7	16E	5
SDWAVS8	16E	6
SDWAVS9	16E	7
SDWAVXC	77	
SDWAWATA	9	2
SDWAWATP	11	2
SDWAWAT1	69	2
SDWAWAT2	79	2
SDWAWLMQ	3	8
SDWAWLMR	3	10
SDWAXDS	2	40
SDWAXEME	18	
SDWAXFLG	199	
SDWAXIOM	8	
SDWAXLCK	10	
SDWAXLK1	4	8
SDWAXLST	142	8
SDWAXM	174	
SDWAXPAD	170	
SDWAXQ	2	10
SDWAXRC5	1C	
SDWAXRES	2	20
SDWAXSPL	C	
SDWAZARC	19B	1
SDWA2CID	168	
SDWA5END	90	

Chapter 18. SDWORK Information

SDWORK Heading Information

Common Name: SVC DUMP WORK AREA
Macro ID: IHASDWRK
DSECT Name: SDWORK
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: SDW1
Offset: 0
Length: 4
Storage Attributes: Main Storage: One per system
Subpool: 227
Key: 0
Residency: Below the 16M line
Size: 376 bytes
Created by: IEAVTSDI
Pointed to by: RTCTSDWK
Serialization: RTCTSDPL FIELD (ONE ACCESS AT A TIME)
Function: THE SVC DUMP WORK AREA IS USED BY SVC DUMP DURING ITS PROCESSING TO CONTAIN POINTERS AND DATA AREAS WHICH ARE USED BY MORE THAN ONE SVC DUMP MODULE.

SDWORK mapping

Table 106. Structure SDWORK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	408	SDWORK	SVC DUMP WORK AREA
0	(0)	CHARACTER	40	SDPASS	AREA WHICH IS USED TO PASS INFORMATION FROM ONE SVC DUMP TO ANOTHER. THIS AREA IS NOT CLEARED AT THE START OF A DUMP.
0	(0)	CHARACTER	4	SDID	SDWORK ACRONYM
4	(4)	CHARACTER	4	*	RESERVED
8	(8)	SIGNED	2	*	RESERVED
10	(A)	SIGNED	2	*	Reserved
12	(C)	CHARACTER	8	SDWNDSPB	TIME JUST BEFORE SYSTEM SET NON-DISPTACHABLE
20	(14)	CHARACTER	8	SDWNDSPE	TIME JUST AFTER SYSTEM SET NON-DISPATCHABLE
28	(1C)	UNSIGNED	4	SDSDSECB	SDS wait for next dump request ECB
32	(20)	UNSIGNED	4	SDWPSAPOOL	PSA copy buffer cpool ID
36	(24)	UNSIGNED	4	SDWWRKPOOL	SRB workarea cpool ID
40	(28)	CHARACTER	368	SDCLEAR	AREA WHICH IS CLEARED AT THE START OF EVERY DUMP
40	(28)	CHARACTER	24	SDWSES	Data related to dumping the STRLIST

Table 106. Structure SDWORK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
40	(28)	UNSIGNED	4	SDWSSRB#	Number of STRLIST capture SRBs scheduled. This count is decremented as each SRB completes
44	(2C)	UNSIGNED	4	SDWSCECB	STRLIST structure capture complete ECB
48	(30)	BITSTRING	4	SDWSESF	Flags
		1...		SDWOSSS	Set by SDS indicating at least one SRB was scheduled to capture structure data
52	(34)	ADDRESS	4	SDWSR14	Save R14 in SDSNOCAP
56	(38)	SIGNED	4	SDWLOOPI	LoopIndex in SDSNOCAP
60	(3C)	ADDRESS	4	SDWSASCB	ASCB address of the address space waiting on SDWSCECB
Deleted unused SdwV64LastEntry field 9@LMD					
64	(40)	CHARACTER	36	*	Reserved
100	(64)	CHARACTER	8	SDWSSTOK	STOKEN of subspace
108	(6C)	SIGNED	4	SDWSALET	Alet of subspace
108	(6C)	ADDRESS	4	SDWDUCTR	DUCT real address
112	(70)	CHARACTER	4	SDFLAGS	FLAG BYTES
112	(70)	BITSTRING	1	SDFLAGS1	FIRST FLAG BYTE
		1...		SDRTM2TR	1=IEAVTSDM IS CALLED TO LOCATE TRACE TABLE OFF RTM2WA AND IF SYSMDUMP AND AN UNAUTHORIZED REQUESTOR COMPRESS TRACE DATA
		.1..		SDLOCPSW	PSW POINTS TO LOCAL AREA
		..1.		SDWCDSD	0=SCOPE(ALL) DATA SPACES HAVE NOT BEEN DUMPED YET 1=SCOPE(ALL) DATA SPACES DUMPED
		...1		SDWCLSDC	SDC CLEANUP INDICATOR
		.... 1...		SDWDWTAT	1=IEAVTDWT has been ATTACHed
		.... .1..		SDWDWTP	1=IEAVTDWT has been POSTed
		.... ..1.		SDWGLCAP	Global capture in progress
		1		*	RESERVED
113	(71)	BITSTRING	1	SDFLAGS2	
		1...		SDWUPROB	SYSM Problem pgm state flag
114	(72)	CHARACTER	1	SDFLAGS3	
		1...		SDWWRTST	Let TSCC write the SDUMP statistics to the exit collection area
		.1..		SDWCCTRC	Request TSCC to capture Sdump Ctrace data
115	(73)	CHARACTER	1	SDFLAGS4	RESERVED
116	(74)	ADDRESS	4	SDWDPL	POINTER TO THE DPL
120	(78)	SIGNED	2	SDWTINDX	Save number of 1/2 second intervals spent waiting for an SRB to be dispatched. ENQ must be held to update this field
122	(7A)	CHARACTER	2	*	RESERVED
124	(7C)	CHARACTER	4	*	RESERVED
128	(80)	CHARACTER	4	*	RESERVED

Table 106. Structure SDWORK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
132	(84)	ADDRESS	4	SDPDEP	POINTER TO COPY OF THE HEADER RECORD GETMAINED FOR POST EXIT PROCESSING
136	(88)	UNSIGNED	4	SDWCURMX	Value of MAXSPACE when MAXSPACE limit is reached
140	(8C)	SIGNED	4	SDWIOCNT	Used to indicate that SDUMP is actively capturing data into the data spaces. This is not an exact count of the number of pages captured.
140	(8C)	ADDRESS	4	SDWMNPTR	Pointer to an SQA-storage I/O counter for ABDUMP
144	(90)	ADDRESS	4	SDWIOAAD	I/O AREA ADDRESS FOR CALLS TO IEAVTSVO
148	(94)	UNSIGNED	4	SDSD2ECB	IEAVTSD2 processing complete ECB
152	(98)	ADDRESS	4	SDSUBGLB	POINTER TO GLOBAL SUBPOOL LIST
156	(9C)	ADDRESS	4	SDSUBLCL	POINTER TO LOCAL SUBPOOL LIST
160	(A0)	ADDRESS	4	SDSDWAPT	POINTER TO SDWA
164	(A4)	ADDRESS	4	SDTTCH2	Pointer to the trace table of the SNAPTRC which was issued when the system was reset to dispatchable prematurely
168	(A8)	ADDRESS	4	SDTRACRC	RETURN CODE PASSED BACK BY TRACE MACROS
172	(AC)	ADDRESS	4	SDTTCH	POINTER TO TRACE TABLE TO DUMP TTCH USED BY IEAVTSDM
176	(B0)	ADDRESS	4	SDTRCLEN	LENGTH OF TRACE TABLE
180	(B4)	SIGNED	4	SDRETCOD	RETURN CODE FROM DUMP ROUTINE
180	(B4)	CHARACTER	2	*	RESERVED
182	(B6)	UNSIGNED	1	SDNODUMP	NO DUMP REASON CODE RETURNED TO CALLER
183	(B7)	UNSIGNED	1	SDRETURN	SVC DUMP RETURN CODE INDICATING COMPLETE, PARTIAL, OR NO DUMP CONDITION
184	(B8)	CHARACTER	16	SDWSDRSN	SDUMP REASON CODES MAPPED BY IHASDRSN
200	(C8)	UNSIGNED	1	SDWSDRC	NO DUMP REASON CODES
201	(C9)	UNSIGNED	1	SDWEXITT	Exit type for SDREXITE
202	(CA)	UNSIGNED	2	SDWBLKCT	NUMBER OF RECORDS TO BE OUTPUTED PER EXCP
204	(CC)	UNSIGNED	2	SDWRINDX	CURRENT RECORD NUMBER USED TO INDEX INTO SDWBUFR, SDWCCW AND SDWIDAW
206	(CE)	UNSIGNED	2	SDWBINDX	CURRENT BUFFER INDEX USED TO INDEX INTO SDWBUFAD, SDWCCWAD AND SDWIDWAD. THE VALUE IS ALWAYS 0 OR 1. (SDWBINDX + 1) IS USED TO INDEX THE CURRENT BUFFER AND (2 - SDWBINDX) IS USED TO INDEX THE OTHER BUFFER
208	(D0)	UNSIGNED	4	SDSRBTHR	SRB threshold
212	(D4)	UNSIGNED	4	SDWDMPID	Unique number for PRDSEQ
212	(D4)	BITSTRING	3	SDWDMPTN	Bits 7-30 from time of dump
215	(D7)	BITSTRING	1	SDWDMPSN	Sequence number from RTSDDNUM

Table 106. Structure SDWORK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
216	(D8)	UNSIGNED	4	SDCSCECB	COMMON-STORAGE-COPIED ECB
220	(DC)	UNSIGNED	4	SDSTRECB	SYSTEM-TRACE-COMPLETE ECB
224	(E0)	UNSIGNED	4	SDSRBCNT	COUNT OF SRB'S IN USE
228	(E4)	UNSIGNED	4	SDD00ECB	ECB FOR SDS TO POST D00 TO FINISH DUMPING PROCESS.
232	(E8)	ADDRESS	4	SDSDSWAS	SAVEAREA FOR SDS WORK AREA
236	(EC)	ADDRESS	4	SDRNGPT2	RANGE POINTER FOR USE BY SRBS
240	(F0)	BITSTRING	2	SDWECFP	IEAVTSCC FOOTPRINTS
		1...		SDWECSYS	SYSTEM DISPATCHABLE FOOTPRINT
		.11.		*	Reserved
		...1		SDWECFTT	FREE TRACE TABLE FOOTPRINT
		.... 1...		SDWECEOD	END OF DATA FOOTPRINT
		.... .1..		*	Reserved
		.... ..1.		SDWECWTO	Issue message IEA794I
		1		SDWECSD1	CALL TO IEAVTSD1 FOOTPRINT
241	(F1)	1...		SDWECECB	ECB POST/SRB SCHEDULE FOOTPRINT
		.1..		SDWECBFT	RESET THRESHOLD FOOTPRINT
		..1.		SDWMAXSP	WHEN ON INDICATES THAT IEAVTSCC has written on the MAXSPACE reached message
		...1 1111		*	Reserved
242	(F2)	BITSTRING	2	SDWEFLGS	STATUS FLAGS USED BY IEAVTSDC TO CLEANUP
		1...		SDWEINIO	SET ON WHEN DOING I/O, WHEN RECOVERY GETS CONTROL ON INDICATES THE LAST WRITE WAS UNSUCCESSFUL
		.1..		SDWE1RCD	AT LEAST ONE RECORD WRITTEN SUCCESSFULLY TO DUMP DATASET
		..1.		SDWESDGF	IEAVTSDG IS PAGEFIXED
		...1		SDWESSEF	IEAVTSSE IS PAGEFIXED
		.... 1...		SDWEVSMF	IEAVTVSM IS PAGEFIXED
		.... .1..		*	RESERVED
244	(F4)	CHARACTER	8	*	Reserved
252	(FC)	CHARACTER	2	SDSDWAAS	ASID OF SDWA
254	(FE)	UNSIGNED	1	SDWPARMC	REASON CODE FOR PARAMETER LIST VALIDATION
255	(FF)	BITSTRING	1	SDWUKEY	SYSMDUMP User Key
		1111		SDWKBITS	SYSMDUMP User Key bits
256	(100)	ADDRESS	8	SDWHVIRTLASTENT	Ptr to used High Virtual Range Table range
256	(100)	UNSIGNED	4	SDWHVIRTLASTENTHI	High fullword
260	(104)	ADDRESS	4	SDWHVIRTLASTENT31	31 bit pointer
264	(108)	SIGNED	4	SDWHVONLY1LOCAL	Set under CS to make sure that global storage is processed by one task at a time. Set and read by IEAVTSDL.
268	(10C)	ADDRESS	4	SDSDWANX	CONTENTS OF SDWANXT1
272	(110)	CHARACTER	8	SDWCSTOK	When ECB specified - STOKEN of callers space. When SRB specified STOKEN of SRBASCB space (may be 0)

Table 106. Structure SDWORK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
280	(118)	CHARACTER	8	SDWDTIME	Time of dump (used by SD2 to generate unique dump id for PRDSEQ)
280	(118)	UNSIGNED	4	SDWDTIMH	First word of time of dump
288	(120)	CHARACTER	28	SDWGDATA	Global storage dataspace data
288	(120)	CHARACTER	4	*	Flags
		1...		SDWGCREA	Dataspace created
		.1..		SDWGPACC	Dataspace added to PASN access list
288	(120)	BITSTRING	3	*	Reserved
292	(124)	ADDRESS	4	SDWGDSOR	Dataspace origin
296	(128)	BITSTRING	8	SDWGSTOK	Dataspace STOKEN
304	(130)	UNSIGNED	4	SDWGSECS	Number of DRPX Data Sections
308	(134)	ADDRESS	4	SDWGDNDS	Address of next available DRPX Data Section
312	(138)	CHARACTER	4	SDWGALET	Datapsace ALET
316	(13C)	CHARACTER	24	SDWDSPPL	Map DSPCALL parm list
316	(13C)	CHARACTER	1	SDWDSLVL	Level indicator-DSPCALL
317	(13D)	UNSIGNED	1	SDWDSRQT	Request type
318	(13E)	BITSTRING	1	SDWDSATR	Dataspace attributes
319	(13F)	BITSTRING	1	SDWDSZR0	Key of data space
		1111		SDWDSPKY	Storage protection key
		.... 1...		SDWDFPRO	Fetch protect bit
		.... .111		*	
320	(140)	BITSTRING	8	SDWDSSTK	STOKEN
328	(148)	ADDRESS	4	SDWDSPTR	Address of ASCB or ASTE
332	(14C)	CHARACTER	8	SDWDSDSN	Data space name
340	(154)	ADDRESS	4	SDWUCBAD	Ucb pointer. Note - It will be extracted from DEB and saved in this field by IEAVTSPR. Later it will be copied to DPL by IEAVTSXS so that it can be used to gain addressability to UCB once DUMPSRV serilization is lost.
344	(158)	CHARACTER	16	SDWCMSV	CMSET Savearea
360	(168)	CHARACTER	16	SDWXMSAV	CMSET Savearea 2
376	(178)	ADDRESS	8	SDTTCHBUF	POINTER TO TRACE TABLE TO DUMP TTCH BUFFERS USED BY IEAVTSDM
384	(180)	UNSIGNED	8	SDTRCBUFOBJS	NUMBER OF TRACE TABLE MEMORY OBJECTS
392	(188)	CHARACTER	16	SDWCTTOKEN	Callers TToken

Table 107. Structure SDOUTBUF

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4168	SDOUTBUF	
0	(0)	CHARACTER	4168	*	SVC DUMP OUTPUT BUFFER

SDWORK mapping

Table 108. Structure SDWDDRNG

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	32	SDWDDRNG	LISTD ENTRY
0	(0)	ADDRESS	4	SDWDLDBA	BEGINNING ADDRESS
4	(4)	ADDRESS	4	SDWDLDEA	ENDING ADDRESS
		1...		LDSRANGE	ON - INDICATES LAST RANGE FOR THIS DATA SPACE
8	(8)	BITSTRING	8	SDWDSTOK	STOKEN
16	(10)	ADDRESS	4	SDWDRAA	POINTER TO REAL ASTE ADDRESS
20	(14)	CHARACTER	8	SDWDDSN	DATA SPACE NAME
28	(1C)	ADDRESS	4	SDWDOWNA	OWNING ASCB WHEN SYSMDUMP OR NEXT STOKEN ENTRY ASSOCIATED WITH A DIFFERENT ASID WHEN SDUMP

Table 109. Structure SDW_LIST64_ENTRY

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	40	SDW_LIST64_ENTRY	LIST64 Entry
0	(0)	CHARACTER	8	SDW_LIST64_START_ADDR	Range start address
0	(0)	UNSIGNED	4	SDW_LIST64_STARTHH_WORD	Uppper 4 bytes
4	(4)	ADDRESS	4	SDW_LIST64_STARTLH_ADDR	Lower 4-bytes of the 64-bit address
		1...		SDW_LIST64_STARTLH_HIBIT	Hi order bit
4	(4)	BITSTRING	3	*	
8	(8)	CHARACTER	8	SDW_LIST64_END_ADDR	Range end address
8	(8)	UNSIGNED	4	SDW_LIST64_ENDHH_WORD	Upper 4 bytes
12	(C)	ADDRESS	4	SDW_LIST64_ENDLH_ADDR	Lower 4-bytes of the 64-bit address
		1...		SDW_LIST64_ENDLH_HIBIT	Hi order bit
12	(C)	BITSTRING	3	*	
16	(10)	BITSTRING	8	SDW_LIST64_STOKEN	Stoken
24	(18)	ADDRESS	4	SDW_LIST64_ASTE_ADDR	Real storage address of the Aste
28	(1C)	CHARACTER	8	SDW_DATASPACE_NAME	DataSpace name
36	(24)	ADDRESS	4	SDW_OWNINGASCB	Owning ASCB when Sysmdump or next stoken entry associated with a different asid when SDUMP

Table 110. Constants for SDWORK

Len	Type	Value	Name	Description
4	CHARACTER	SDW1	SDWRKID	CONTROL BLOCK IDENTIFIER TO BE USED WITH SDID FIELD
4	HEX	FFFFFFFF	SDW_BAD_ALET	Bad ALET constant
8	CHAR HEX	FFFFFFFFFFFFFFFF	SDW_L64_DELIMITER	Value that immediately follows a LIST64-style list of ranges in the LISTD table

Table 111. Cross Reference for SDWORK

Name	Offset	Hex Tag
LDSRANGE	4	80
SDCLEAR	28	
SDCSCECB	D8	
SDD00ECB	E4	

Table 111. Cross Reference for SDWORK (continued)

Name	Offset	Hex Tag
SDFLAGS	70	
SDFLAGS1	70	
SDFLAGS2	71	
SDFLAGS3	72	
SDFLAGS4	73	
SDID	0	
SDLOCPSW	70	40
SDNODUMP	B6	
SDOUTBUF	0	
SDPASS	0	
SDPDEP	84	
SDRETCOD	B4	
SDRETURN	B7	
SDRNGPT2	EC	
SDRTM2TR	70	80
SDSDSECB	1C	
SDSDSWAS	E8	
SDSDWAAS	FC	
SDSDWANX	10C	
SDSDWAPT	A0	
SDSD2ECB	94	
SDSRBCNT	E0	
SDSRBTHR	D0	
SDSTRECB	DC	
SDSUBGLB	98	
SDSUBLCL	9C	
SDTRACRC	A8	
SDTRCBUFOBJS	180	
SDTRCLEN	B0	
SDTTCH	AC	
SDTTCHBUF	178	
SDTTCH2	A4	
SDW_DATASPACE_NAME	1C	
SDW_LIST64_ASTE_ADDR	18	
SDW_LIST64_END_ADDR	8	
SDW_LIST64_ENDHH_WORD	8	
SDW_LIST64_ENDLH_ADDR	C	
SDW_LIST64_ENDLH_HIBIT	C	80
SDW_LIST64_ENTRY	0	
SDW_LIST64_START_ADDR	0	
SDW_LIST64_STARTHH_WORD	0	
SDW_LIST64_STARTLH_ADDR	4	
SDW_LIST64_STARTLH_HIBIT	4	80
SDW_LIST64_STOKEN	10	
SDW_OWNINGASCB	24	
SDWBINDX	CE	
SDWBLKCT	CA	
SDWCCTRC	72	40
SDWCDSD	70	20

Table 111. Cross Reference for SDWORK (continued)

Name	Offset	Hex Tag
SDWCLSDC	70	10
SDWCMSV	158	
SDWCSTOK	110	
SDWCTTOKEN	188	
SDWCURMX	88	
SDWDDRNG	0	
SDWDDSN	14	
SDWDFPRO	13F	08
SDWDLDBA	0	
SDWDLDEA	4	
SDWDMPID	D4	
SDWDMPSN	D7	
SDWDMPTN	D4	
SDWDOWNA	1C	
SDWDPL	74	
SDWDRAA	10	
SDWDSATR	13E	
SDWDSDSN	14C	
SDWDSLVL	13C	
SDWDSPKY	13F	F0
SDWDSPPL	13C	
SDWDSPTR	148	
SDWDSRQT	13D	
SDWDSSTK	140	
SDWDSTOK	8	
SDWDSZR0	13F	
SDWDTIME	118	
SDWDTIMH	118	
SDWDUCTR	6C	
SDWDWTAT	70	08
SDWDWTP	70	04
SDWECBFT	F1	40
SDWECECB	F1	80
SDWECEOD	F0	08
SDWECFP	F0	
SDWECFTT	F0	10
SDWECSD1	F0	01
SDWECSYS	F0	80
SDWECWTO	F0	02
SDWEFLGS	F2	
SDWEINIO	F2	80
SDWESDGF	F2	20
SDWESSEF	F2	10
SDWEVSMF	F2	08
SDWEXITT	C9	
SDWE1RCD	F2	40
SDWGALET	138	
SDWGCREA	120	80
SDWGDATA	120	

Table 111. Cross Reference for SDWORK (continued)

Name	Offset	Hex Tag
SDWGDNDS	134	
SDWGDSOR	124	
SDWGLCAP	70	02
SDWGPACC	120	40
SDWGSECS	130	
SDWGSTOK	128	
SDWHVIRTLASTENT	100	
SDWHVIRTLASTENTHI	100	
SDWHVIRTLASTENT31	104	
SDWHVONLY1LOCAL	108	
SDWIOAAD	90	
SDWIOCNT	8C	
SDWKBITS	FF	F0
SDWLOOPI	38	
SDWMAXSP	F1	20
SDWMNPTR	8C	
SDWNDSPB	C	
SDWNDSPE	14	
SDWORK	0	
SDWOSSS	30	80
SDWPARMC	FE	
SDWPSAPOOL	20	
SDWRINDX	CC	
SDWSALET	6C	
SDWSASCB	3C	
SDWSCECB	2C	
SDWSDRC	C8	
SDWSDRSN	B8	
SDWSES	28	
SDWSESF	30	
SDWSR14	34	
SDWSSRB#	28	
SDWSSTOK	64	
SDWTINDX	78	
SDWUCBAD	154	
SDWUKEY	FF	
SDWUPROB	71	80
SDWWRKPOOL	24	
SDWWRTST	72	80
SDWXMSAV	168	

Chapter 19. SETXPL Information

SETXPL Heading Information

Common Name:	Extended Parameter List for the SET Keyword Processors
Macro ID:	IEEZB831
DSECT Name:	SETPARMS
Owning Component:	Master Scheduler (SC1B8)
Eye-Catcher ID:	None
Storage Attributes:	Residency: IEEMB811 dynamic storage
Size:	Variable, 24 bytes plus a variable number of 2-byte fields.
Created by:	IEEMB811 - SET Keyword Scanner module
Pointed to by:	Normal MVS linkage as seventh parameter
Serialization:	None
Function:	It is passed as the seventh parameter to the SET Keyword Processors and contains the new parameters that must be passed to the Processors.

SETXPL mapping

Table 112. Structure SETPARMS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SETPARMS	Parm list for Keyword Processors
0	(0)	UNSIGNED	1	SETPVRSN	Version Level
1	(1)	BITSTRING	1	SETPFLG1	Flags
		1...		SETPFLST	'L' option is requested to obtain list of parmlib statements as they processed
		.1..		SETPFLNP	Resources obtained
		..1.		SETPFCHK	'C' option is requested to check parmlib statements only
		...1 1111		*	Reserved
2	(2)	BITSTRING	2	SETPRSVD	Reserved
4	(4)	UNSIGNED	4	SETPCNID	4-byte Console ID
8	(8)	CHARACTER	8	SETPCART	Command and Response Token
16	(10)	ADDRESS	4	SETPLSTP	Pointer to the begining of a list of suffix values in NIP time format (xx,...xx)' or (xx)'@L2A
20	(14)	SIGNED	4	SETPSFXN	Number of operand entires in SETPSFXT table
24	(18)	CHARACTER	2	SETPSFXT(*)	Table contains operands (suffix names specified on keyword)

Table 113. Constants for SETXPL

Len	Type	Value	Name	Description
1	DECIMAL	1	SETPSP41	Version Level - HBB4410
1	DECIMAL	2	SETPSP42	Version Level - HBB4420
1	DECIMAL	2	SETPVERS	Version Level - Current

Table 113. Constants for SETXPL (continued)

Len	Type	Value	Name	Description
1	DECIMAL	2	SETPSFXL	Length of each entry. This must be changed if KEYnDLM in IEEMB876 is changed.

Table 114. Cross Reference for SETXPL

Name	Offset	Hex Tag
SETPARMS	0	
SETPCART	8	
SETPCNID	4	
SETPFCHK	1	20
SETPFLG1	1	
SETPFLNP	1	40
SETPFLST	1	80
SETPLSTP	10	
SETPRSVD	2	
SETPSFXN	14	
SETPSFXT	18	
SETPVRSN	0	

Chapter 20. SGTE Information

SGTE Heading Information

Common Name: SEGMENT TABLE ENTRY
Macro ID: IARSGTE
DSECT Name: SGTE
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes:
```
Main Storage:  Yes
Virtual Storage:  Yes
Subpool:   N/A
Key:       0
Data Space: Yes
Residency: Above 16Meg Virtual for address spaces
Anywhere for Data spaces
```
Size: 4 bytes
Created by: RSM
Pointed to by: RABSGT field of the RAB Data Area
Serialization: Varies
Function: Maps a Segment Table Entry

SGTE mapping

Table 115. Structure SGTE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	SGTE	
0	(0)	CHARACTER	4	SGTALL	
0	(0)	CHARACTER	3	SGTPTRSA	REAL ADDRESS OF PGT
0	(0)	SIGNED	2	SGTINDEX	INDEX TO SLT FOR THIS SEGMENT
0	(0)	CHARACTER	1	*	RESERVED
1	(1)	CHARACTER	1	SGTSKEY	STORAGE KEY VALUE FOR PAGES
		1111 1...		SGTSKEY5	STORAGE KEY 5 BITS
		1111		SGTKEY	KEY FOR ALL PAGES IN SEGMENT
		.... 1...		SGTFPROT	FETCH PROTECT ALL PAGES IF ON
		.... .111		*	RESERVED
2	(2)	BITSTRING	1	SGTFLGS1	SGTE FLAGS (IF SEGMENT INVALID)
		11..		SGTTYPNO	INVALID SEGMENT TYPE NUMBER
		..11 11..		*	RESERVED
		.... ..1.		SGTPGTBL	THE PGT FOR THIS SEGMENT HAS BEEN BUILT
		1		SGTANYWH	PAGES MAY BE BACKED ANYWHERE
		NOTE - THE ABOVE THREE BYTES ARE VALID ONLY IF SGTINV=1. THE BYTES ARE USED TO FORM THE PGT'S REAL ADDRESS IF SGTINV=0			
3	(3)	CHARACTER	1	SGTBYTE	FLAGS PLUS PGT LENGTH
		11..		*	RESERVED. THESE TWO BITS ARE USED TO FORM THE PGT'S REAL ADDRESS IF SGTINV=0
		1...		SGTASSOC	VDAC SPACE MAY NEED TO BE ASSOCIATED IN THIS SEGMENT

Table 115. Structure SGTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		SGTMPEA	THERE EXIST MPES ASSOCIATED WITH THIS SEGMENT.
		..1.		SGTINV	SEGMENT IS INVALID
		...1		SGTCOM	SEGMENT IS A COMMON AREA SEG
		 1111		SGTPTL	(PGT SIZE/64)-1

Table 116. Constants for SGTE

Len	Type	Value	Name	Description
	CONSTANTS USED TO DEFINE SGTE TYPE			
0	BIT	00	SGTTYP0	TYPE 0 - ALL PAGES IN THE SEGMENT ARE IN A NON-GETMAINED STATE
0	BIT	01	SGTTYP1	TYPE 1 - ALL PAGES IN SEGMENT ARE GETMAINED WITH THE SAME KEY, FETCH PROTECTION, AND BACK ANYWHERE INDICATION
0	BIT	10	SGTTYP2	TYPE 2 - NOTHING HAS CHANGED IN THE SEGMENT SINCE THE SEGMENT WAS MADE INVALID EXCEPT POSSIBLY THE STORAGE KEY
0	BIT	11	SGTTYP3	TYPE 3 - THE SGTE POINTS TO A SECOND LEVEL TABLE (SLT)

Table 117. Cross Reference for SGTE

Name	Offset	Hex Tag
SGTALL	0	
SGTANYWH	2	01
SGTASSOC	3	80
SGTBYTE	3	
SGTCOM	3	10
SGTE	0	
SGTFLGS1	2	
SGTFPROT	1	08
SGTINDEX	0	
SGTINV	3	20
SGTKEY	1	F0
SGTMPEA	3	40
SGTPGTBL	2	02
SGTPTL	3	0F
SGTPTRSA	0	
SGTSKEY	1	
SGTSKEY5	1	F8
SGTTYPNO	2	C0

Chapter 21. SHDR Information

SHDR Heading Information

Common Name:	SLIP Header
Macro ID:	IHASHDR
DSECT Name:	SHDR, SHDRX
Owning Component:	SLIP (SCSLP)
Eye-Catcher ID:	SHDR - for SHDR, SHDX - for SHDRX Offset: 0 for both SHDR and SHDRX Length: 4 for both SHDR and SHDRX
Storage Attributes:	Subpool: 245 for both SHDR and SHDRX Key: 0 for both SHDR and SHDRX Residency: BELOW for SHDR, ANY for SHDRX
Size:	SHDR - 208 bytes SHDRX - 2624 bytes
Created by:	IEECB905 when the first SLIP trap is set.
Pointed to by:	CVTRTMS field of the CVT data area
Serialization:	Compare & Swap, Compare Double & Swap
Function:	The SHDR is the head of the PER and non-PER SCE chains. It points to the first and last elements in the SCE chains.

SHDR mapping

Table 118. Structure SHDR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	208	SHDR	
0	(0)	CHARACTER	4	SHDRCBID	CONTROL BLOCK ID = SHDR
4	(4)	ADDRESS	4	SHDRPFC	IEAVTSLP USE COUNT
8	(8)	CHARACTER	8	SHDRCTFW	TO DELETE ENTRIES,MUST CDS
8	(8)	ADDRESS	4	SHDRCTR	PROCESSOR SERIALIZATION CTR
12	(C)	ADDRESS	4	SHDRFWD	FORWARD PTR TO SCE CHAIN
16	(10)	ADDRESS	4	SHDRBKWD	BACKWARD PTR TO SCE CHAIN
20	(14)	CHARACTER	4	SHDRFLCS	Label to CS flags
20	(14)	BITSTRING	1	SHDRFLGS	FLAGS
		1...		*	RESERVED
		.1..		SHDRDELP	DELETE IS PENDNG ON PREV SCE
		..1.		SHDRCRTN	COMMUNICATION RTN IS ACTIVE
		...1		SHDRSRBR	RESCHEDULE GLOBAL SRB
		.... 1...		SHDRPERI	ENABLED PER IGNORE TRAPS or subtrap action traps WITH THE SAME PER EVENT (IF, SA,SB) AS DEFINED IN THE ENABLED NON-IGNORE PER TRAP EXIST BETWEEN THE ENABLED NON-IGNORE PER TRAP AND THE END OF THE CHAIN
		.... .1..		SHDRM415	IEA415I MSG FLAG
		.... ..1.		SHDRM422	IEA422I MSG FLAG
		1		SHDRENABLEDMSGIDTRAPSEXIST	

Table 118. Structure SHDR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
21	(15)	BITSTRING	1	SHDRFLG2	FLAGS
		1...		SHDRPSTM	IND TO POST THE MESSAGE RTN, SET AND TESTED BY IEAVTSLP
		.1..		SHDRGCFC	IND GETCELL-FREECELL PROBLEM HAS OCCURRED
		..1.		SHDRPVTP	PER TRAP IS PVTMOD
		...1		SHDRPVTA	PVTMOD PER TRAP IS ACTIVE (ADDRESSES DETERMINED). ONLY VALID WITH SHDRPVTP
		.... 1...		SHDRPVLP	PVTMOD PER TRAP IS WAITING FOR LOAD OR VIRTUAL FETCH
		.... .1..		SHDRSTDP	DISABLED PER TRAP, ACTION = STRACE
		.... ..1.		SHDRCHNE	CHAINING ERROR IN SCE CHAIN
		1		SHDRAEXITDEF	SLIPACTIONEXIT dynamic exit defined
22	(16)	ADDRESS	2	SHDRIDCT	CTR FOR GENERATING SCE ID
24	(18)	ADDRESS	4	SHDRPROC	SLIP PROCESSOR IEAVTSLP
28	(1C)	ADDRESS	4	SHDRPER	ENABLED NON-IGNORE PER TRAP
32	(20)	ADDRESS	4	SHDRSRTN	PER SELECT RTN (IEAVTJBN)
36	(24)	ADDRESS	4	SHDRPERR	PER TRAPS SCVA RANGE ENTRY
40	(28)	ADDRESS	4	SHDRPERA	PER TRAPS SCVA ASID ENTRY
44	(2C)	ADDRESS	4	SHDRPERJ	PER TRAPS SCVA JOBNAME ENTRY
48	(30)	CHARACTER	4	SHDRSEQ	SEQUENCE WORD
48	(30)	CHARACTER	2	*	RESERVED
50	(32)	CHARACTER	2	SHDRSEQA	ASID WHEN LOCAL RTN OWNS SEQ WORD
52	(34)	ADDRESS	4	SHDRSRB	GLOBAL SRB FOR PER
		1...		SHDRSRBA	AVAILABILITY FLAG (ON=AVAIL)
56	(38)	ADDRESS	4	SHDRPOST	SRB FOR VTSLP TO POST THE COMMUNICATION RTN
		1...		SHDRPSTA	AVAILABILITY FLAG (ON=AVAIL)
60	(3C)	CHARACTER	4	SHDRCPID	SRB CELL POOL ID
64	(40)	CHARACTER	4	SHDRECB	MESSAGE ECB
68	(44)	CHARACTER	4	SHDRGECB	ECB FOR IEAVTGLB TO ISSUE PGFIX
72	(48)	CHARACTER	4	SHDRLECB	ECB FOR IEAVTLCL TO ISSUE PGFIX
76	(4C)	CHARACTER	12	SHDRCREG	PARM AREA FOR UPDATING THE PER CONTROL REGS
76	(4C)	CHARACTER	4	SHDRCR9	CONTROL REGISTER 9
76	(4C)	CHARACTER	1	SHDRC9	EVENT MASK BYTE
		1...		SHDRC9SB	SUCCESSFUL BRANCH
		.1..		SHDRC9IF	INSTRUCTION FETCH
		..1.		SHDRC9SA	STORAGE ALTERATION
		...1		*	RESERVED
		.... 1...		SHDRC9SS	SA STURA
		.... .1..		SHDRC9ZAD	Zero Address Detection
		11		*	SPACER
77	(4D)	CHARACTER	1	SHDRC9B1	
		1...		SHDRC9S2	PER 2 SB
		.1..		*	RESERVED
		..1.		SHDRC9SE	SA SELECTION
80	(50)	CHARACTER	8	SHDRCRS	PER RANGE

Table 118. Structure SHDR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
80	(50)	CHARACTER	4	SHDRCR10	PER STARTING ADDRESS TO BE LOADED INTO CONTROL REG 10
84	(54)	CHARACTER	4	SHDRCR11	PER ENDING ADDRESS TO BE LOADED INTO CONTROL REG 11
88	(58)	ADDRESS	4	SHDRCMS1	ADDRESS OF THE CMSET SET ENTRY POINT
92	(5C)	ADDRESS	4	SHDRCMR1	ADDRESS OF THE CMSET RESET WITH AUTH CHECK ENTRY POINT
96	(60)	ADDRESS	4	SHDRCMR2	ADDRESS OF THE CMSET RESET WITHOUT AUTH CHECK ENTRY POINT
100	(64)	ADDRESS	4	SHDRSSHP	ADDRESS OF THE SPACE SWITCH HANDLER (IEAVTSSH)
104	(68)	CHARACTER	8	SHDRSSTM	AMOUNT OF TIME TO EXECUTE THE SPACE SWITCH PROCESSING FOR SLIP
112	(70)	ADDRESS	4	SHDRSS1P	ADDRESS OF THE SPACE SWITCH HANDLER ENTRY POINT FOR CMSET INTERCEPTS (IEAVTSS1)
116	(74)	ADDRESS	4	SHDRPCDE	ADDRESS OF CDE FOR PVTMOD PER TRAP
120	(78)	ADDRESS	4	SHDRPVL1	ADDRESS OF EXIT FROM CONTENTS SUPERVISOR WHEN CDE IS PUT ONTO JOB PACK QUEUE
124	(7C)	ADDRESS	4	SHDRPVD1	ADDRESS OF EXIT FROM CONTENTS SUPERVISOR WHEN CDE IS TAKEN OFF JOB PACK QUEUE
128	(80)	CHARACTER	8	SHDRPVMN	PVTMOD PER MODULE NAME
136	(88)	UNSIGNED	2	SHDRPVAS	PVTMOD PER ASID
138	(8A)	BITSTRING	1	SHDRPVFL	PVTMOD PER FLAGS
		1...		SHDRPVTL	IF ON, PRIVATE MODULE IS LOCAL
		.1..		SHDRPVTG	IF ON, PRIVATE MODULE IS GLOBAL
		..1.		SHDRPOSIXPATHNAMEUSED	Indicate POSIX pathname is specified
		...1 1111		*	RESERVED
139	(8B)	BITSTRING	1	SHDRFLAG	MORE FLAGS
		1...		SHDRSTRC	IF ON, ACTION = STRACE, PER TRAP
		.1..		SHDRSTFP	IF ON, ACTION = STRACE, FAST PATH
		..1.		SHDRSTSB	IF ON, ACTION = STRACE, PER SB
		...1 1111		*	RESERVED
140	(8C)	ADDRESS	4	SHDRPASC	PVTMOD PER ASCB ADDR
144	(90)	ADDRESS	4	SHDRPTCB	PVTMOD PER TCB ADDRESS
148	(94)	ADDRESS	4	SHDRPVR1	ADDRESS OF EXIT FROM VIRTUAL FETCH END OF TASK, END OF MEMORY RESOURCE MANAGERS
152	(98)	CHARACTER	4	SHDRSTID	ACTION=STRACE, ID OF TRAP
156	(9C)	SIGNED	4	SHDRMLC	ACTION=STRACE, CURRENT MATCHLIM
160	(A0)	UNSIGNED	2	SHDRMLT	ACTION=STRACE, TOTAL MATCHLIM DEFAULT
162	(A2)	CHARACTER	2	*	RESERVED
164	(A4)	ADDRESS	4	SHDRPERFIRST	For an active dynamic PER activation chain, this points to the first trap on the chain. For a single active PER trap this is the same as ShdrPer

Table 118. Structure SHDR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
168	(A8)	CHARACTER	8	SHDRCTF2	TO DELETE ENTRIES,MUST CDS. THIS QUEUE IS OF NON-PER SCE'S
168	(A8)	ADDRESS	4	SHDRCTR2	SERIALIZATION COUNTER
172	(AC)	ADDRESS	4	SHDRFWD2	FORWARD PTR TO SCE
176	(B0)	ADDRESS	4	SHDRBWD2	BACKWARD PTR TO SCE
180	(B4)	ADDRESS	4	SHDRIDQ	QUEUE OF IDS WITH ASSOCIATED SCE'S
184	(B8)	ADDRESS	4	SHDRIDQL	END OF ID QUEUE
188	(BC)	ADDRESS	4	SHDRWMSG	ADDRESS OF DISABLED CONSOLE MESSAGE AREA
		1...		SHDRWALK	Lock bit (C/S)
192	(C0)	ADDRESS	4	SHDRXADR	ADDRESS OF SHDR EXTENSION
196	(C4)	ADDRESS	4	SHDRCMS2	ADDRESS OF THE CMSET SET DIE=YES ENTRY POINT
200	(C8)	ADDRESS	4	SHDRCMR3	ADDRESS OF THE CMSET RESET CMSET WITH AUTH CHECK DIE=YES ENTRY POINT
204	(CC)	ADDRESS	4	SHDRCMR4	ADDRESS OF THE CMSET RESET WITHOUT AUTH CHECK DIE=YES ENTRY POINT 1@PAD ROUND UP LENGTH TO 8
208	(D0)	CHARACTER	0	*	End of SHDR

Table 119. Structure SHDRX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	2984	SHDRX	SHDR EXTENSION, ABOVE 16M
0	(0)	CHARACTER	4	SHDRXID	SHDR EXTENSION ID
4	(4)	ADDRESS	4	SHDRSYNV	A=SYNCSVCD VCONS
		1...		SHDRSDIU	1 => SYNCSVCD AREA IN USE
8	(8)	ADDRESS	4	SHDRRCTX	ADDRESS OF IEAVTSLO
12	(C)	ADDRESS	4	SHDRADR	ADDRESS OF IEAVTADR
16	(10)	ADDRESS	4	SHDRGLB	ADDRESS OF IEAVTGLB
20	(14)	ADDRESS	4	SHDRCECB	ECB FOR COMMAND PROCESSOR IEECB941 TO USE FOR PGFIX
24	(18)	CHARACTER	4	SHDRXCSWORD	Work for CS
24	(18)	SIGNED	2	SHDRXLEN	LENGTH OF SHDRX
26	(1A)	CHARACTER	1	SHDRXFLGS1	Flags
		1...		SHDRXPERDEACTIVATIONINPROGRESS	Indicates a PER trap is being deactivated. This bit is turned on by the command processor for disablement or deletion of a PER trap and by the action processor for disablement via matchlim/prcntlim. If it is on control will not enter IEAVTSLD. It remains on until all of the PER workareas are freed by IEAVTGLB
27	(1B)	UNSIGNED	1	SHDRXPOSIXPATHNAMELENGTH	Length of specified pathname
28	(1C)	ADDRESS	4	SHDRXSSB	ADDRESS OF IEAVTSSB
32	(20)	ADDRESS	4	SHDRXIEAVTPVG@	Address of IEAVTPVG
36	(24)	ADDRESS	4	SHDRXPLP@	Address of IEAVTPLP

Table 119. Structure SHDRX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
40	(28)	CHARACTER	3	*	RESERVED
43	(2B)	BITSTRING	1	SHDRXFLAGS2	Flags serialized by SLIP sequence word
		1...		SHDRXLPAMODORLPAEP	
		.1..		SHDRXMSGIDQUOTED	MSGID is quoted
44	(2C)	CHARACTER	8	*	RESERVED
52	(34)	CHARACTER	452	SHDRSYND	A=SYNCSVCD AREA
52	(34)	CHARACTER	40	SHDRSDSP	STOP PARAMETER LIST
92	(5C)	CHARACTER	12	SHDRSDOA	STOP/RESET OUTPUT AREA
104	(68)	CHARACTER	44	SHDRSDS1	SRB 1
148	(94)	CHARACTER	44	*	Reserved
192	(C0)	CHARACTER	48	SHDRSDP1	SRB 1 PARAMETER AREA
192	(C0)	CHARACTER	32	SHDRSDSD	RESERVED FOR SDUMP
224	(E0)	CHARACTER	4	SHDRSDAS	TARGET ASCB
240	(F0)	CHARACTER	72	SHDRSDSA	SAVE AREA
312	(138)	CHARACTER	24	SHDRSDRP	RESET PARAMETER LIST
336	(150)	CHARACTER	72	SHDRSDWA	WORK AREA
408	(198)	CHARACTER	24	*	Reserved
432	(1B0)	CHARACTER	72	*	RESERVED
504	(1F8)	CHARACTER	1160	SHDRXWMAOLD	This area used to be here. For ease of expansion, it is now just pointed to. This means that these 1160 bytes can be remapped.
1664	(680)	CHARACTER	44	SHDRXSRB	SRB POINTED TO BY SHDRPOST
1708	(6AC)	SIGNED	4	SHDRXAS#	NUMBER ASIDSA ASIDS
1712	(6B0)	CHARACTER	9	SHDRXASA(16)	ASIDSA ASIDS/Jobnames
1712	(6B0)	BITSTRING	1	SHDRXAFLGS	
		1...		SHDRXAJOBNAMESPECIFIED	Jobname specified
1713	(6B1)	CHARACTER	8	SHDRXAJOBNAME	Jobname
1713	(6B1)	CHARACTER	2	SHDRXAASID	ASID
1856	(740)	SIGNED	4	SHDRXDS#	NUMBER DSSA SPACES
1860	(744)	CHARACTER	17	SHDRXDSA(16)	DSSA SPACES
1860	(744)	BITSTRING	1	SHDRXDFLGS	
		1...		SHDRXDJOBNAMESPECIFIED	Jobname was specified
1861	(745)	CHARACTER	8	SHDRXDJOBNAME	Jobname
1861	(745)	CHARACTER	2	SHDRXDASID	ASID
1869	(74D)	CHARACTER	8	SHDRXDNM	NAME
2132	(854)	CHARACTER	236	SHDRXWST	A=WAIT Status area. This area is serialized by the high order bit of SHDRWMSG
2132	(854)	CHARACTER	28	SHDRXWRK	X'40C' area
2132	(854)	UNSIGNED	1	SHDRXWTY	Trap type
2133	(855)	CHARACTER	2	SHDRXWCP	Logical Cpu
2135	(857)	CHARACTER	1	*	Reserved
2136	(858)	ADDRESS	4	SHDRXWG@	Address of GRs
2140	(85C)	ADDRESS	4	SHDRXWP@	Address of ARs
2144	(860)	ADDRESS	4	SHDRXWV@	Address of Variable
2148	(864)	ADDRESS	4	SHDRXWC@	Address of CRs
2152	(868)	ADDRESS	4	SHDRXWA@	Address of ARs
2156	(86C)	ADDRESS	4	SHDRXWG64H@	Address of G64H
2160	(870)	CHARACTER	4	SHDRXWID	Trap ID
2164	(874)	CHARACTER	64	SHDRXWGR	GPRs 0-15

Table 119. Structure SHDRX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2228	(8B4)	CHARACTER	8	SHDRXWPS	PSW
2236	(8BC)	CHARACTER	52	*	
2288	(8F0)	CHARACTER	8	SHDRXWCR	Control regs 3,4
2296	(8F8)	CHARACTER	64	SHDRXWAR	ARs 0-15
2360	(938)	CHARACTER	8	SHDRXWPE	PER code when needed
2368	(940)	CHARACTER	240	SHDRWAL4	Area for SL4
2368	(940)	CHARACTER	44	SHDRWAS1	SRB to IEAVTSL4
2412	(96C)	CHARACTER	4	*	RESERVED
2416	(970)	CHARACTER	40	SHDRWASP	STOP PARAMETER LIST
2456	(998)	CHARACTER	12	SHDRWAOA	STOP/RESET OUTPUT AREA
2468	(9A4)	CHARACTER	72	SHDRWASA	SAVE AREA
2540	(9EC)	CHARACTER	24	SHDRWARP	RESET PARAMETER LIST
2564	(A04)	CHARACTER	4	*	Reserved
2568	(A08)	CHARACTER	40	SHDRWAP1	SL4 parmarea
2568	(A08)	ADDRESS	4	SHDRWASC	SCE address
2572	(A0C)	BITSTRING	1	*	
		1...		SHDRWAPE	1 => PER
		.1..		SHDRWARS	1 => Reset needed
		..1.		SHDRWARESCHEDULE	1 => Reschedule of IEAVTSL4
2573	(A0D)	CHARACTER	3	*	Reserved
2576	(A10)	CHARACTER	32	SHDRSDUMPTOKEN	Token to be passed to SDUMP
2576	(A10)	CHARACTER	8	SHDRIXCSSMOTIME	Time when the IXCSSMO was invoked
2608	(A30)	SIGNED	4	SHDRXSLDCOUNT	Counter to serialize the setting of the control regs in IEAVTGLB/IEAVTPVT with IEAVTSLD. When IEAVTSLD is in control, the value is '80000000'X which locks out IEAVTGLB/IEAVTPVT. The dispatcher lock serializes IEAVTGLB with IEAVTPVT
2612	(A34)	ADDRESS	4	SHDRXLASTPERFIRST	Last value that ShdrPerFirst was set to
2616	(A38)	ADDRESS	4	SHDRXLCL	Address of IEAVTLCL
2620	(A3C)	ADDRESS	4	SHDRXLCL1	Address of LPERRMTR in IEAVTLCL
2624	(A40)	CHARACTER	64	SHDRXWST2	More A=WAIT Status area. This area is serialized by the high order bit of SHDRWMSG
2624	(A40)	CHARACTER	64	SHDRXWG64H	G64H
2688	(A80)	CHARACTER	16	SHDRXCGS	ESAME PER range
2688	(A80)	CHARACTER	8	SHDRXCG10	PER STARTING ADDRESS TO BE LOADED INTO CONTROL REG 10
2688	(A80)	ADDRESS	4	SHDRXCG10HIGH	
2692	(A84)	ADDRESS	4	SHDRXCG10LOW	
2696	(A88)	CHARACTER	8	SHDRXCG11	PER ENDING ADDRESS TO BE LOADED INTO CONTROL REG 11
2696	(A88)	ADDRESS	4	SHDRXCG11HIGH	
2700	(A8C)	ADDRESS	4	SHDRXCG11LOW	
2704	(A90)	ADDRESS	4	SHDRXVTSMG	Address of the slip msg exit for SVC WTO
2708	(A94)	ADDRESS	4	SHDRXVTSM1	Address of the slip msg exit for branch entry WTO

Table 119. Structure SHDRX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2712	(A98)	UNSIGNED	2	SHDRXMSGIDLENGTH	Length of msgid - used when only 1 msgid trap exists
2714	(A9A)	CHARACTER	10	SHDRXMSGIDTEXT	Text of the msgid - used when only 1 msgid trap exists
2724	(AA4)	ADDRESS	4	SHDRXPVTEP@	Entry point address of the named module/alias whether PVTMOD or PVTEP
2728	(AA8)	ADDRESS	4	SHDRXPVTEND@	End address of the extent corresponding to the address in PvtEP@
2732	(AAC)	CHARACTER	4	*	Unused
2736	(AB0)	CHARACTER	136	SHDRXPVTXTLST	The complete extent list for PVTMOD PER or PVTEP PER, of the named module/alias
2872	(B38)	CHARACTER	80	SHDRXPOSIXPATHNAME	Buffer for posix pathnames
2952	(B88)	ADDRESS	4	SHDRXEXITSLIPAREAPTR	Added pointer for SLIP area needed for saving regs and a dynamic area for the user exit on a userexit SLIP PER trap.
2956	(B8C)	CHARACTER	4	*	
2960	(B90)	CHARACTER	8	SHDRXAEXITINFO@	AexitInfo address (IHASLZWA)
2968	(B98)	CHARACTER	8	*	
2976	(BA0)	CHARACTER	8	SHDRXPERACTIVATIONTIME	STCK value when PER trap was activated
2984	(BA8)	CHARACTER	0	*	End of SHDR

Table 120. Structure SHDRSDV

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	SHDRSDV	V-CONS FOR SYNCSVCD
0	(0)	ADDRESS	4	SHDRVS1E	POINTER-DEFINED EPA
4	(4)	ADDRESS	4	SHDRVS1F	POINTER-DEFINED FRRA
8	(8)	ADDRESS	4	SHDRVS1R	POINTER-DEFINED RMTRA
12	(C)	ADDRESS	4	SHDRVS2E	POINTER-DEFINED EPA
16	(10)	ADDRESS	4	SHDRVS2F	POINTER-DEFINED FRRA
20	(14)	ADDRESS	4	SHDRVS2R	POINTER-DEFINED RMTRA

Table 121. Structure EXITSLIPAREA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	EXITSLIPAREA	
0	(0)	CHARACTER	1024	USEREXITAREAARRAY(*)	
0	(0)	CHARACTER	296	EXITSLIPWORKAREA	
0	(0)	STRUCTURE IsA(IHA_TUEPARMS)	28	EXITPLIST	
0	(0)	ADDRESS	4	UEDYNAREAPTR	dynamic area ptr
4	(4)	ADDRESS	4	UESCEPTR	SCE ptr
8	(8)	CHARACTER	8	UEFLAGS	
		1...		UEDRIVENASATESTEXIT	called for test
		.1..		UEDRIVENASAACTIONEXIT	called for action
16	(10)	CHARACTER	8	UEAPARM1@	Aparm1 address

Table 121. Structure EXITSLIPAREA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
24	(18)	ADDRESS	4	UESLWAADDR	SLWA address
28	(1C)	ADDRESS	4	EXITPLISTPTR	
32	(20)	ADDRESS	4	EXITSAVEREG1	Rename from SaveReg1
36	(24)	ADDRESS	4	EXITSAVEREG13	Rename from SaveReg
40	(28)	ADDRESS	4	EXITSAVEREG14	Rename from SaveReg
296	(128)	CHARACTER	216	EXITSAVEAREA	
512	(200)	CHARACTER	512	EXITDYNAREA	

Table 122. Constants for SHDR

Len	Type	Value	Name	Description
4	DECIMAL	1024	KEXITSLIPAREASIZE	
4	DECIMAL	512	KSLIPUSEREXITAUTOAREASIZE	
4	DECIMAL	216	KEXITSAVEAREASIZE	Save area size for user exit
4	DECIMAL	296	KEXITSLIPWORKSIZE	Work area size used for the parmlist and saving R1,R13, and R14. Size of 296 is the remainder area of 512 minus the save area size.
	THE FOLLOWING CONSTANTS IDENTIFY THE OWNER OF THE SHDRSEQ WORD WHICH IS USED TO SERIALIZE ACCESS TO THE SCE CHAIN.			
4	CHARACTER	CMD	SHDRSEQC	SHDRSEQ OWNED BY THE CMD PROC IEECB905
4	CHARACTER	DSP	SHDRSEQD	SHDRSEQ OWNED BY THE DISPLAY RTN IEECB907
4	CHARACTER	GLB	SHDRSEQG	SHDRSEQ OWNED BY THE SLIP GLOBAL PER ACT/DEACT RTN IEAVTGLB
4	CHARACTER	SLX	SHDRSEQX	ShdrSeq owned by Slip dump exit
4	CHARACTER	L	SHDRSEQL	SHDRSEQ OWNED BY THE SLIP LOCAL PER ACT/DEACT RTN IEAVTLCL (NOTE: LAST 2 CHAR CONTAIN THE ASID OF THE ADDR SPACE IN WHICH IEAVTLCL IS EXECUTING)
4	DECIMAL	1160	SHDRWMSZ	SIZE OF WAIT STATE MESSAGE / WORK AREA. SERIALIZED BY RESTART LOCK WORD AND HIGH ORDER (USE-) BIT OF SHDRWMSG
	THE FOLLOWING ARE CONSTANTS THAT SHOULD BE USED WHEN SETTING BITS IN THE SHDR VIA THE CS INSTRUCTION. THE BIT WHICH EACH OF THE FOLLOWING MASKS SETS IS GIVEN IN THE COMMENT ON THAT LINE. THE SHDRX... FORM IS FOR SETTING THE BIT ON AND THE SHDRY... FORM IS FOR SETTING THE BIT OFF.			
4	HEX	40000000	SHDRXDEL	SHDRDELP
4	HEX	BFFFFFFF	SHDRYDEL	SHDRDELP
4	HEX	20000000	SHDRXCRN	SHDRCRTN
4	HEX	DFFFFFFF	SHDRYCRN	SHDRCRTN
4	HEX	10000000	SHDRXRBR	SHDRSRBR
4	HEX	EFFFFFFF	SHDRYRBR	SHDRSRBR
4	HEX	08000000	SHDRXPRI	SHDRPERI
4	HEX	F7FFFFFF	SHDRYPRI	SHDRPERI
4	HEX	04000000	SHDRX415	SHDRM415
4	HEX	FBFFFFFF	SHDRY415	SHDRM415

Table 122. Constants for SHDR (continued)

Len	Type	Value	Name	Description
4	HEX	02000000	SHDRX422	SHDRM422
4	HEX	FDFFFFFF	SHDRY422	SHDRM422
4	HEX	00800000	SHDRXPST	SHDRPSTM
4	HEX	FF7FFFFF	SHDRYPST	SHDRPSTM
4	HEX	00400000	SHDRXFC	SHDRGCFC
4	HEX	FFBFFFFF	SHDRYFC	SHDRGCFC
4	HEX	00200000	SHDRXPVP	SHDRPVTP
4	HEX	FFDFFFFF	SHDRYPVP	SHDRPVTP
4	HEX	00100000	SHDRXPVA	SHDRPVTA
4	HEX	FFEFFFFF	SHDRYPVA	SHDRPVTA
4	HEX	00080000	SHDRXPLP	SHDRPVLP
4	HEX	FFF7FFFF	SHDRYPLP	SHDRPVLP
4	HEX	00040000	SHDRXSTD	SHDRSTDP
4	HEX	FFFBFFFF	SHDRYSTD	SHDRSTDP
4	HEX	00020000	SHDRXCHN	SHDRCHNE
4	HEX	FFFDFFFF	SHDRYCHN	SHDRCHNE
4	DECIMAL	80	SHDRPOSIXPATHNAMEMAXLEN	Max length of posix pathname Test for PLX 2.1
4	NUMB HEX	0000006F	SHDRMSGABENDCODE	
4	NUMB HEX	0006F000	SHDRMSGABENDCODECHECK	
4	DECIMAL	8	SHDRMSGABENDREASON	
4	DECIMAL	336	SHDRMSGDYNSIZE	
8	CHAR HEX	FFFFFFFFFFBADBAD	VTADRBADBASECON	It is vital that bit 32 of this constant be "1" so that the ESA390 test in IEAVTADR will properly identify the "no base" condition */
4	DECIMAL	1	VTADRENABLED	Function code to tell IEAVTADR that the caller is enabled
4	DECIMAL	2	VTADRSCAN	Function code to tell IEAVTADR just to scan and not convert the indirect address
4	DECIMAL	3	VTADRISITINDIRECT	Function code to tell IEAVTADR just to scan to see if this is an indirect address
4	DECIMAL	4	VTADRSCANTONEXTADRQUALIFIER	Function code to tell IEAVTADR just to scan to to the next address qualifier

Table 123. Cross Reference for SHDR

Name	Offset	Hex Tag
EXITDYNAREA	200	
EXITPLIST	0	
EXITPLISTPTR	1C	
EXITSAVEAREA	128	
EXITSAVEREG1	20	
EXITSAVEREG13	24	
EXITSAVEREG14	28	
EXITSLIPAREA	0	
EXITSLIPWORKAREA	0	
SHDR	0	
SHDRADR	C	

Table 123. Cross Reference for SHDR (continued)

Name	Offset	Hex Tag
SHDRAEXITDEF	15	01
SHDRBKWD	10	
SHDRBWD2	B0	
SHDRCBID	0	
SHDRCECB	14	
SHDRCHNE	15	02
SHDRCMR1	5C	
SHDRCMR2	60	
SHDRCMR3	C8	
SHDRCMR4	CC	
SHDRCMS1	58	
SHDRCMS2	C4	
SHDRCPID	3C	
SHDRCREG	4C	
SHDRCRS	50	
SHDRCRTN	14	20
SHDRCR10	50	
SHDRCR11	54	
SHDRCR9	4C	
SHDRCTFW	8	
SHDRCTF2	A8	
SHDRCTR	8	
SHDRCTR2	A8	
SHDRC9	4C	
SHDRC9B1	4D	
SHDRC9IF	4C	40
SHDRC9SA	4C	20
SHDRC9SB	4C	80
SHDRC9SE	4D	20
SHDRC9SS	4C	08
SHDRC9S2	4D	80
SHDRC9ZAD	4C	04
SHDRDELP	14	40
SHDRECB	40	
SHDRENABLEDMSGIDTRAPSEXIST	14	01
SHDRFLAG	8B	
SHDRFLCS	14	
SHDRFLGS	14	
SHDRFLG2	15	
SHDRFWD	C	
SHDRFWD2	AC	
SHDRGCFC	15	40
SHDRGECB	44	
SHDRGLB	10	
SHDRIDCT	16	
SHDRIDQ	B4	
SHDRIDQL	B8	
SHDRIXCSSMOTIME	A10	
SHDRLECB	48	

Table 123. Cross Reference for SHDR (continued)

Name	Offset	Hex Tag
SHDRMLC	9C	
SHDRMLT	A0	
SHDRM415	14	04
SHDRM422	14	02
SHDRPASC	8C	
SHDRPCDE	74	
SHDRPER	1C	
SHDRPERA	28	
SHDRPERFIRST	A4	
SHDRPERI	14	08
SHDRPERJ	2C	
SHDRPERR	24	
SHDRPFC	4	
SHDRPOSIXPATHNAMEUSED	8A	20
SHDRPOST	38	
SHDRPROC	18	
SHDRPSTA	38	80
SHDRPSTM	15	80
SHDRPTCB	90	
SHDRPVAS	88	
SHDRPVD1	7C	
SHDRPVFL	8A	
SHDRPVLP	15	08
SHDRPVL1	78	
SHDRPVMN	80	
SHDRPVR1	94	
SHDRPVTA	15	10
SHDRPVTG	8A	40
SHDRPVTL	8A	80
SHDRPVTP	15	20
SHDRRCTX	8	
SHDRSDAS	E0	
SHDRSDIU	4	80
SHDRSDOA	5C	
SHDRSDP1	C0	
SHDRSDRP	138	
SHDRSDSA	F0	
SHDRSDSD	C0	
SHDRSDSP	34	
SHDRSDS1	68	
SHDRSDUMPTOKEN	A10	
SHDRSDV	0	
SHDRSDWA	150	
SHDRSEQ	30	
SHDRSEQA	32	
SHDRSRB	34	
SHDRSRBA	34	80
SHDRSRBR	14	10
SHDRSRTN	20	

Table 123. Cross Reference for SHDR (continued)

Name	Offset	Hex Tag
SHDRSSHP	64	
SHDRSSTM	68	
SHDRSS1P	70	
SHDRSTDP	15	04
SHDRSTFP	8B	40
SHDRSTID	98	
SHDRSTRC	8B	80
SHDRSTSB	8B	20
SHDRSYND	34	
SHDRSYNV	4	
SHDRVS1E	0	
SHDRVS1F	4	
SHDRVS1R	8	
SHDRVS2E	C	
SHDRVS2F	10	
SHDRVS2R	14	
SHDRWALK	BC	80
SHDRWAL4	940	
SHDRWAOA	998	
SHDRWAPE	A0C	80
SHDRWAP1	A08	
SHDRWARESCHEDULE	A0C	20
SHDRWARP	9EC	
SHDRWARS	A0C	40
SHDRWASA	9A4	
SHDRWASC	A08	
SHDRWASP	970	
SHDRWAS1	940	
SHDRWMSG	BC	
SHDRX	0	
SHDRXAASID	6B1	
SHDRXADR	C0	
SHDRXAEXITINFO@	B90	
SHDRXAFLGS	6B0	
SHDRXAJOBNAME	6B1	
SHDRXAJOBNAMESPECIFIED	6B0	80
SHDRXAS#	6AC	
SHDRXASA	6B0	
SHDRXCGS	A80	
SHDRXCG10	A80	
SHDRXCG10HIGH	A80	
SHDRXCG10LOW	A84	
SHDRXCG11	A88	
SHDRXCG11HIGH	A88	
SHDRXCG11LOW	A8C	
SHDRXCSWORD	18	
SHDRXDASID	745	
SHDRXDFLGS	744	
SHDRXDJOBNAME	745	

Table 123. Cross Reference for SHDR (continued)

Name	Offset	Hex Tag
SHDRXDJOBNAMESPECIFIED	744	80
SHDRXDNM	74D	
SHDRXDS#	740	
SHDRXDSA	744	
SHDRXEXITSLIPAREAPTR	B88	
SHDRXFLAGS2	2B	
SHDRXFLGS1	1A	
SHDRXID	0	
SHDRXIEAVTPVG@	20	
SHDRXLASTPERFIRST	A34	
SHDRXLCL	A38	
SHDRXLCL1	A3C	
SHDRXLEN	18	
SHDRXLPAMODORLPAEP	2B	80
SHDRXMSGIDLENGTH	A98	
SHDRXMSGIDQUOTED	2B	40
SHDRXMSGIDTEXT	A9A	
SHDRXPERACTIVATIONTIME	BA0	
SHDRXPERDEACTIVATIONINPROGRESS	1A	80
SHDRXPLP@	24	
SHDRXPOSIXPATHNAME	B38	
SHDRXPOSIXPATHNAMELENGTH	1B	
SHDRXPVTEND@	AA8	
SHDRXPVTEP@	AA4	
SHDRXPVTXTLST	AB0	
SHDRXSLDCOUNT	A30	
SHDRXSRB	680	
SHDRXSSB	1C	
SHDRXVTSMG	A90	
SHDRXVTSM1	A94	
SHDRXWA@	868	
SHDRXWAR	8F8	
SHDRXWC@	864	
SHDRXWCP	855	
SHDRXWCR	8F0	
SHDRXWG@	858	
SHDRXWGR	874	
SHDRXWG64H	A40	
SHDRXWG64H@	86C	
SHDRXWID	870	
SHDRXWMAOLD	1F8	
SHDRXWP@	85C	
SHDRXWPE	938	
SHDRXWPS	8B4	
SHDRXWRK	854	
SHDRXWST	854	
SHDRXWST2	A40	
SHDRXWTY	854	
SHDRXWV@	860	

Table 123. Cross Reference for SHDR (continued)

Name	Offset	Hex Tag
UEAPARM1@	10	
UEDRIVENASAACTIONEXIT	8	40
UEDRIVENASATESTEXIT	8	80
UEDYNAREAPTR	0	
UEFLAGS	8	
UESCEPTR	4	
UESLWAADDR	18	
USEREXITAREAARRAY	0	

Chapter 22. SIOT Information

SIOT Programming Interface Information

ONLY the following fields are part of the programming interface information:

- SCTDDNAM
- SCTSBYT1
- SCTSBYT2
- SCTSBYT3
- SCTSBYT4
- SCTSDISP
- SCTUTYPE
- SIOTDEVT
- SIOTSMSM
- SIOUBYT3

SIOT Heading Information

Common Name:	Step Input/Output Table
Macro ID:	IEFASIOT
DSECT Name:	INDMSIOT
Owning Component:	Interpreter (SC1B9)
Eye-Catcher ID:	'SIOT' Offset: -4 (SWA prefix) Length: 4 bytes
Storage Attributes:	Subpool: 236 or 237 (SWA), 241 for MSTR address space Key: 1 Residency: Any
Size:	174 bytes FREQUENCY = One per specified or generated DD statement.
Created by:	Interpreter and Dynamic Allocation
Pointed to by:	- AWARSAV1 field (pointer) of the IATYAWA data area (IATUX32)
Serialization:	None
Function:	Contains information concerning a data definition (DD) JCL statement

SIOT mapping

Table 124. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
  START OF SPECIFICATIONS
01 MACRO NAME = IEFASIOT
01 ACRONYM = SIOT
01 DESCRIPTIVE NAME = Step Input/Output Table
01 PROPRIETARY STATEMENT=
  PROPRIETARY_STATEMENT
 LICENSED MATERIALS - PROPERTY OF IBM
 5694-A01 COPYRIGHT IBM CORP. 1982, 2011
 STATUS= HBB7780
  END_OF_PROPRIETARY_STATEMENT
01 FUNCTION =
      Contains information concerning a data definition (DD)
      JCL statement
01 EXTERNAL CLASSIFICATION:
02 NOTPI: BASE
02 PI: FIELDS
        SCTSDISP SCTSBYT1 SCTSBYT2 SCTSBYT3
        SCTSBYT4 SCTUTYPE SIOTDEVT SIOUBYT3
        SCTDDNAM SIOTSMSM
01 END OF EXTERNAL CLASSIFICATION:
    Classification notes:
       The PSPI fields were established because of the
       information passed to IATUX32, JES3 installation
       exit.
01 NOTES =
      Bilingual mapping macro (PL/AS and BAL)
  02 DEPENDENCIES =
        Changes to this macro should be reflected in IPCS control
        block model IEFMSIOT
  02 RESTRICTIONS = None
  INVOCATION
01 METHOD OF ACCESS =
  02 PL/AS INVOCATION =
        DCL SIOTPTR PTR(31)
        %INCLUDE SYSLIB(IEFASIOT)
        If constants (rather than %DCLs) for fields is
        desired, include the following statements:
          %DCL SIOTCONS CHAR EXTERNAL
          %SIOTCONS = 'YES'
  02 BAL INVOCATION =
        SIOT DSECT
               IEFASIOT
01 DSECT NAME = INDMSIOT
01 COMPONENT = Interpreter (SC1B9)
01 EYE CATCHER = 'SIOT'
02 OFFSET = -4 (SWA prefix)
02 LENGTH = 4 bytes
01 CREATED BY =
     Interpreter and Dynamic Allocation
01 CREATED BY (IBM use only) =
     Interpreter Modules (IEFVDA, IEFVEA)
     Dynamic Allocation Module (IEFDB414)
01 POINTED TO BY =
   - AWARSAV1 field (pointer) of the IATYAWA data area (IATUX32)
01 POINTED TO BY (IBM use only) =
   - DSABSSVA field (SVA token) of the DSAB data area
```

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
     - SCTFSIOT field of the SCT data area
     - SCTPSIOT field of the SIOT data area
     - SCTLSIOT field of the SCT data area
     - EREQSSVA field of the ETIORB data area
     - EREQSIOT field of the ETIORB data area
     - SWBUFPTR field in IEFZB506 upon return from IEFQMREQ
        macro (Preferred method of SVA translation)
     - SWBLKPTR field in IEFZB505 upon return from SWAREQ
        macro
  01 DELETED BY = IEFDB4A1, IEFDB418
  01 SERIALIZATION = None
  01 STORAGE ATTRIBUTES =
    02 ALLOCATION METHOD = SWA Manager call
    02 SUBPOOL = 236 or 237 (SWA), 241 for MSTR address space
    02 KEY = 1
    02 RESIDENCY = Any
  01 SIZE = 174 bytes
    02 FREQUENCY = One per specified or generated DD statement.
  01 CHANGE ACTIVITY =
     OZ12405, OZ13854, OZ20610, OZ28955, OZ33579, OZ34258, OZ41829,
     OZ52570, OZ58701, OZ61887, OY01081, OY11473, OY15130, OY20190,
     OY31386
    $H1=EXTJCL JBB2110 821015 PD43: SUPPORT FOR EXTENDED JCL
    $P1=PA20586 JBB2220 851014 PDR6: PA20586
    $T1=OY40098 JBB2220 910301 PDHB: 3490 device support
    $01=OY36721 JBB2220 901020 PDB2: BLKSIZE SPECIFIED FLAG
    $L1=SMSSTG2 JBB2223 860127 PDB1: STOR MGMT SUBSYS STG2 SUPT
    $L2=SMSSTG2 JBB2223 860324 PDN3: STOR MGMT SUBSYS STG2 SUPT
    $D1=DCR57 JBB2223 870923 PDN3: STOR MGMT SUBSYS STG2 SUPT
    $03=OY41404 JBB2223 910320 PDE1: VOL/UNIT-count specification
                                     DFP APAR OY40197
    $04=OY62301 JBB2223 930318 PDBD: Tape Library Support
    $06=OY63724 JBB2223 930513 PDCL: Quoted Data Set Indicator
    $L3=SP313 JBB3313 880331 PDM9: MVS/SP3.1.3
    $L4=JUP03 HBB4410 870323 PDN3: USER/WRITER NAME
                                     DIFFERENTIATION
    $D2=DCR245 HBB4410 891016 PDAZ: MVS/SP 4.1.0
    $02=OY41078 HBB4410 910320 PDN3: HOLD= specification for
                                     JES2 APAR OY38698
```

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
$L5=APPC1 HBB4420 890428 PDCC: ALLOCATION FROM TP PROFILE
$L6=DDPERF HBB4420 900406 PDDS: DDPERFIPCS DD LIMIT PERF
$P2=PH32065 HBB4420 910108 PDB2: ALLOCATION FROM TP PROFILE
$07=OY67196 HBB4420 931207 PDEV: TMM DEFER support
$L7=ATLIB HBB4430 911007 PDM1: Tape Library Support
$L8=POSIX HBB4430 911028 PDBN: OPEN/MVS Support
$L9=ATLIB HBB4430 911202 PDB6: TAPE LIBRARY SUPPORT
$LA=POSIX HBB4430 920108 PDBN: OPEN/MVS Support
$P3=PKB0275 HBB4430 920108 PDBN: PTM PKB0275
$D3=DCR0020 HBB4430 920429 PDCL: Tape Library Support
$P4=PKB3899 HBB4430 920729 PDJY: PTM PKB3899
$LB=UCBVP HBB5520 940210 PDDZ: UCB VSCR
$LC=UCBVP HBB5520 941020 PDEM: Update SIOTDYNU comments
$LD=TMM JBB5522 940819 PDEV: TMM Fixup
$LE=TMM JBB5522 950105 PDEV: TMM Fixup
$LF=TMM JBB5522 950105 PDEV: TMM Fixup
$08=OW10839 HBB4420 950127 PDHB: Define new flag, SIOTSACP,
                                 in the SIOTBYT2 field.
                                 This APAR is in support of
                                 Allocation APAR OW09787.
$P5=PVT0016 HBB6606 980131 PDDH: FIN APAR OW24334
   =PVT0604 HBB6606 980224 PDDH: Cleanup Copyright Statement
$09=OW31783 HBB6601 980331 PDHB: Define new flag, SIOTPTTS,
                                 in the SIOTBYT2 field.
$0A=OW36774 HBB4430 990316 PDNN: Define new flag, SIOTCRIJ,
                                 in SIOTBYT0.
$0B=OW37655 HBB6601 990312 PDHB: Request REQ00072224.
$LG=SIOTX HBB7703 990831 PDOO: Update SIOTSIOX comments
$LH=UNAFF HBB7703 990831 PDNN: Unit Affinity for SMS Tape
$0C=OW38370 HBB5510 991115 PDNN: Remove SYSZDSTB serialization
                                 and fix DISP=SHR
$P6=PXD1020 HBB7703 000201 PDFD: Fix copyright
$0D=OW44785 HBB7703 000915 PDOO: Duplicate Volume Support
                                 for JES3
$0E=OW47553 HBB6606 020110 PDHB: Correct multiple copies of
                                 SMS messages.
```

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
    $LI=DMNDLIB HBB7760 080531 PDTY: Demand Tape Library Support
    $P7=ME13334 HBB7760 081231 PDTY: Misc Check Failures
    $LJ=SMSR13D HBB7780 100715 PDTA: SMS Dependencies
                                     Add JFCBX function
                                     Feature ME19471
    END OF SPECIFICATIONS
   PRIVATE CATALOG SUPPORT Y010001 01/27/72
   C - 024090,718600
   A - 024090-024099,719100-720100
   C - 024420-024440
   C - 669600
   C - 022600-023400,669600-676600
   C - TWO BITS DEFINED AS MSS-ALL (SIOTMSS) AND
       MSS-MIXED(SIOTMXD) INDICATORS
   C - UPDATED SCTSBYT4 IN BAL TO ADD SYMBOLIC NAMES
   C - DEFINE SIOTAFF, CODE DROPPED FROM SU16
   C - UPDATED SCTUTYPE IN BAL TO ADD SYMBOLIC NAMES
       CLARIFY COMMENTS ABOUT LABEL SIOUCNVT
       IN BOTH PLS AND BAL.
   C - REDEFINE SIOTATE TO SIOTPSVA-SUPPORT FOR OZ38945
   C - DEFINE SIOTEDLG TO SAVE THE SUBPOOL NUMBER
       FOR STORAGE FOR THE EDL
   A - PROLOGUE
   A - SCHEDULER WORK BLOCK(SWB) STRUCTURE POINTER
   C - SIOTDEFC DEFINED. INDICATOR TO JES3 THAT DEFAULT
       COPIES WAS SET.
   A - SIOTDCLA DEFINED. INDICATOR TO JES'S THAT DEFAULT SYSOUT
       WAS SET.
   C - CHANGED TTR AND DISK ADDRESS TO SVA IN COMMENTS
   C - CHANGED RESERVED BYTE AFTER SIOTEDLG TO SIOTSMS TO
       CONTAIN THE SMS MANAGED BIT
   C - CHANGED SIOTNDSB FIELD NAME TO SIOTSCT. THIS FIELD'S
       USE IS CHANGED FROM CONTAINING THE NEXT DSB SVA TO
       THE SVA OF THIS STEP'S STEP CONTROL TABLE (SCT).
   C - CHANGED 3 RESERVED WORDS AFTER SIOTSSNM, RESPECTIVELY,
       TO SIOTSTMT, SIOTSIOX, AND SIOTAMSG.
   A - STRUCTURE SIOTASCT
   C - SIODSNTE CHANGED TO FIXED(16) IN PLS TO ALLOW A
       MAXIMUM VALUE OF 64K.
   C - SIOVDSNT CHANGED TO FIXED(16) IN PLS TO ALLOW A
       MAXIMUM VALUE OF 64K.
   C - ADDED SCTSYSOU DEFINITION TO THE ASM VERSION
```

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
A - SIOTWTRN INDICATOR TO SIOTBYT5 TO DIFFERENTIATE BETWEEN USER NAME AND WRITER NAME C - SIOTSMS DEFINITION (NOTE: these indicators are targetted for relocation) C - DEFINE ASSEMBLER MAPPING COMPATIBLE TO PLS MAPPING C - SIOTDDST DEFINED. INDICATOR TO JES'S THAT DEFAULT DEST WAS SET. A - DEFINITION OF SIOTADUN IN SIOTBYT5. THIS CHANGE IS IN SUPPORT OF ALLOCATION APAR OY19572. A - SIOTBLKD BIT TO DESIGNATE THAT THE USER SPECIFIED THE BLKSIZE KEYWORD VALUE, SO ALLOCATION SHOULD NOT OVERWRITE BLKSIZE VALUE WITH VALUE FROM MODEL DSCB A - ADDED SIOTGPRV TO INDICATE THAT A TEMPORARY DATASET NAME WAS GENERATED IN A PRIOR STEP A - SCTANAME MAY NOW CONTAIN THE SVA OF A SIOT IN A PRIOR STEP A - SIOTRCNT indicator to track the number of times Recovery Allocation was entered A - SIOTDYNU indicator to tell SMS that UNIT parameter is Dynamic Allocation default unit C - SIOTBLKD BIT TO DESIGNATE THAT THE USER SPECIFIED THE BLKSIZE KEYWORD VALUE, SO ALLOCATION SHOULD NOT OVERWRITE BLKSIZE VALUE WITH VALUE FROM MODEL DSCB A - SIOTOVES was defined which indicates when a SIOT is associated with an 'overriding' esoteric. A - Added dependency note in prolog for IPCS control block model C - Move SIOTGPRV to SIOTBYT4 from SIOTBYT5 A - SIOTHLD in SIOTBYT3 to indicate when HOLD= was specified for the Allocation. This is set by IEFVDA in batch. This APAR is in support of JES2 APAR OY38698. A - SIOTUCNT in SIOTBYT4 to indicate when the unit-count subparameter of the UNIT= keyword was specified for the allocation. Set by IEFVDA in batch. This APAR is in support of DFP APAR OY40197. (NOTE: this indicator is targetted for relocation)					

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
A - SIOTVCNT in SIOTBYT4 to indicate when the volume-count subparameter of the VOLUME= keyword was specified for the allocation. Set by IEFVDA in batch. This APAR is in support of DFP APAR OY40197. (NOTE: this indicator is targetted for relocation) C - Removed SIOTEDLG field, which was used to save the subpool number for EDL storage C - SIOTEDLS replaced by SIOTDDWA (pointer to IEFZDDWA) - SIOTSMS1 thru SIOTSMS7 - comment documentation C - SIOTSIOX to SIOTDDIB to contain the address of the DDIB used by Allocation for hierarchical file names (POSIX path names) A - SIOTHIER to SIOTBYT4 to indicate that SIOT represents a hierarchical file C - Changed prologue to SHOWHDR format C - Removed SIOTMSS, SIOTMXD, SIOTFUDA, SPVTAMSG, SIOTGIGN, SIOTRTRY, SIOPSCNT, SIOTRCNT, SIOTGIID, SIOTSSIC,SVOLUNAD, SVOLUNNO and SIOTAMSG C - Restored SIOTSIOX, moved SIOTDDIB to location formerly occupied by SVOLUNAD. Corrected alignment problems from previous change. C - Restored SIOTAMSG field C - Redefined reserved field (which was SIOTEDLG described above with L7) as SIOTSMSF to contain bits used by SJF Access C - Changed 'POSIX' to 'OpenMVS' in line comments M - Move the SIOTSMSF field to the last byte of SIOTOPUC field to contain flags used by SJF ACCESS beginning at HBB4430 in support of Automatic Tape Library. DKB0020 redefine the field SIOTEDLG as the SIOTSMSF field. However, since this field was not available in the previous release, and the code need to be rolled down to previous releases due to APAR OY62301, a new reserved field (SIOTOPUC) is used. C - Corrected prologue and comment fields for data areas publication					

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					C - Removed IWASIOTP reference in prolog A - Added SIOTDSQU to indicate that data set name was specified in quotes. In support of DF/SMS apar OY63717. Corresponding SJF & Dynamic Alloc apars OY63723,OY63722. A - Added SIOTREDT and SIOTOPEN. In support of Allocation APAR OY66484. These indicators are only set by Allocation and are only intended for use by Allocation. C - Updated comments for the SIOTDYNU field. A - Added SIOTRESL. When OFF and the SIOT represents a DD being referenced by an other DD that is SMS managed, the DD requires Allocation to call SMS VOLREF services to allow SMS to resolve the reference. When ON, the reference to the DD has been resolved. A - Added support for SIOTCLRV flag. If this flag is ON, it indicates that Allocation is to clear the volsers from the JFCB/JFCBXs associated with this SIOT. This indicator is set by SMS. D - Remove support for SIOTCLRV flag. A - Added SIOTSACP flag to the unused bit 6 of the SIOTBYT2 field. This flag will be set in IEFAB490 whenever messages are moved from either the SMS 'IGDMCSC2 MSG CELL POOL' Cell Pool or the Allocation 'ALLOCATION ERROR MESSAGE' Cell Pool to the Allocation 'SC1B4 AB490' Cell Pool. A - Added SIOTDSOP. This bit will be set by DFP so that RESTART processing will know if a dataset had been opened prior to a system crash. Allocation disposition processing (IEFAB4A2) will use this bit to determine the correct disposition. A - Added SIOTPTTS flag to the unused bit 7 of the SIOTBYT2 field. This flag will be set in IEFAB48A for all Tape Requests. IEFAB489 will check this flag and mark all

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		SIOTs that do not have it on as 'ignore'.			
		A - Added SIOTCRIJ flag to the unused bit 2 of the SIOTBYT0 field. This flag will be set in IEFAB459, copied in IEFAB464, and propagated in IEFAB469 to indicate the data set was created within this job. IEFBB416 uses the information to determine the fate of passed unreceived data sets.			
		A - Added SIOTWOWO flag to the unused bit 3 of the SIOTBYT0 field. This flag will be set by IEFAB452 whenever a Dynamic Allocation is Demanding an ATL device that is already allocated to the current task. It will be checked by IEFAB42B and IEFAB424 to ensure this Request is not failed.			
		C - Updated comments for the SIOTSIOX field. Since this field is now in use, the "Reserved for future use" verbage was removed. Changed the (reserved) field named SIOTOPUC to SIOTXSVA. This field will hold the SVA of the SIOTX associated with the current SIOT.			
		C - Updated comments for the SIOTRESL field. If SIOTRESL is on, SMS has completed determining the type of request (i.e., SMS tape, SMS DASD, non-SMS tape, non-SMS DASD).			
		A - Added SIOTDDSP (Disposition Defaulted) indicator. This flag will be set by IEFAB459 when no disposition is coded on the JCL or the SVC99 (e.g., DISP=SHR rather than DISP=(SHR,KEEP)). It will be checked by IEFAB4A2. (Scenario #3)			
		C - Fixed copyright/program number statements.			
		A - Added SIOTDUPV (Duplicate Volume) bit to indicate that the SIOT is for a duplicate volume, but outside the SMS managed library. This bit is updated via SJF, Key = '8530'X.			
		A - Defined new flag, SIOTDDMP, to the unused bit 7 of SIOTBYT0.			
		- This flag will mirror S99EWTP, via a new IEFZB4D7 flag, DYNDDMP, when a SIOT is created by IEFDB414 for a Dynamic Allocation and also by IEFDB4A1 when a SIOT is filled in for a Dynamic Unallocation.			
		- Both Common Allocation and DISPosition message processing will then use this flag so they do NOT buffer their respective SMS messages if it's on. This will prevent a duplication of the same message(s) being seen in both the JESMSG and SYSMSG portion of the Job log.			
		A - Defined new flag SIOTSHNR, as the last bit in SIOTSMSF. This flag will indicate that an SMS tape libray request has to HONOR the UNIT. It will be set when SMSHONOR is coded on the JCL or DALSMSHR is on for a dynalloc request.			
		D - Update copyright			
		C - Added SIOTCONS macro variable processing. %GOTO SIOTBSL;			
0	(0)	DBL WORD	8	(0)	
0	(0)	X'0'	0	INDMSIOT	"*" STEP I-O TABLE
0	(0)	CHARACTER	3	SIOTDSKA	SVA OF THIS SIOT
3	(3)	CHARACTER	1	SIOTTYPE	TABLE ID OF SIOT =3
3	(3)	X'3'	0	SIOTID	"3"
3	(3)	X'7'	0	DSNID	"7"
4	(4)	CHARACTER	8	SCTDDNAM	THE DDNAME FROM THE DD CARD
12	(C)	CHARACTER	8	SIOTDEST	USER ID ENABLING SYSOUT TO BE ROUTED VIA JCL

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
20	(14)	CHARACTER	2	SCTUSADD	INTERNAL NUMBER OF THE DD STATEMENT FOR WHICH UNIT AFFINITY IS SPECIFIED IN THIS DD STATEMENT
20	(14)	X'14'	0	SIOTUNAF	"SCTUSADD"
22	(16)	CHARACTER	2	SIODSNTE	OFFSET INTO DSNT FOR DCB REFERENCE TO A DATA SET
24	(18)	CHARACTER	2	SIOTVLSP	VOL SEP DD NO.
26	(1A)	CHARACTER	2	SIOTAFID	AFFINITY ASSOCIATION ID WITH MULTI-UNIT/GENERIC REQUEST
28	(1C)	CHARACTER	4	SCTPSIOT	SVA OF NEXT SIOT IN CHAIN
32	(20)	CHARACTER	4	SCTPJFCB	SVA OF JFCB
36	(24)	CHARACTER	3	SIOTVRSB	SVA OF SIOT FOR VOLREF OR SUBALLOCATE
39	(27)	CHARACTER	1	SIOTOTUN	TOTAL NUMBER OF UNITS USED FOR THIS SIOT
40	(28)	CHARACTER	2	SIOTREFN	DD NUMBER OF INTRA STEP
42	(2A)	CHARACTER	1		Reserved
43	(2B)	CHARACTER	1	SIOTBYT1	MVM INDICATORS
43	(2B)	X'80'	0	SIOTOCKP	"128" BIT 0 - DATA SET OPEN AT LAST CHECKPOINT
43	(2B)	X'40'	0	SIOTHOLD	"64" BIT 1 - SYSOUT DATA SET TO BE PLACED ON HOLD QUEUE.
43	(2B)	X'20'	0	SIOVAMDS	"32" BIT 2 - VAM DATA SET
43	(2B)	X'10'	0	SIODUNAL	"16" BIT 3 - DATA SET HAS BEEN DYNAMICALLY UNALLOCATED
43	(2B)	X'8'	0	SIOTDADR	"8" BIT 4 - DADSM IS REQUIRED
43	(2B)	X'4'	0	SIODADSM	"4" BIT 5 - DADSM WAS SUCCESSFUL
43	(2B)	X'2'	0	SIOTALCD	"2" BIT 6 - THIS SIOT IS COMPLETELY ALLOCATED
43	(2B)	X'1'	0	SIOTDDNT	"1" BIT 7 - IN TSO, COMMAND PROCESSOR MUST PUT DDNAME IN DDNT
44	(2C)	CHARACTER	2	SCTDDINO	INTERNAL NUMBER OF THE DD STATEMENT
46	(2E)	CHARACTER	1	SIOTBYT3	ALLOCATION INDICATOR BYTE
46	(2E)	X'80'	0	SIOALIAS	"128" BIT 0 - ALIAS EXISTS FOR THIS DATA SET
46	(2E)	X'40'	0	SIOCDEVT	"64" BIT 1 - DEVICE TYPE FOR THIS DATA SET OBTAINED FROM CATALOG
46	(2E)	X'20'	0	SIOTJES3	"32" BIT 2 - DEVICES FOR THIS ALLOCATION SELECTED BY JES3
46	(2E)	X'10'	0	S3400OFF	"16" BIT 3 - INITALIZE S3400DSP TO OFF
46	(2E)	X'8'	0	SIOTDSID	"8" BIT 4 - ON FOR DSID KEYWORD
46	(2E)	X'4'	0	SIOUCVTD	"4" BIT 5 - On when unit name conversion has been done. Also refer to SIOUCNVT.
46	(2E)	X'2'	0	SIOTDSOP	"2" BIT 6 - On when the dataset has been opened.
46	(2E)	X'1'	0	SIOTHLD	"1" BIT 7 - HOLD= WAS SPECIFIED FOR THIS ALLOCATION

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
47	(2F)	CHARACTER	1	SIOTTSTC	INDICATORS FOR TIME SHARING AND TCAM
47	(2F)	X'80'	0	SIOTINFC	"128" BIT 0 - SIOT INF CODE INDICATOR
47	(2F)	X'40'	0	SIOTTERM	"64" BIT 1 - TSO TERMINAL BIT - DD TERM=TS PARAMETER SET BY IEFVDA
	EQU 32 BIT 2 - RESERVED				
47	(2F)	X'10'	0	SIOTSSGP	"16" BIT 3 - GROUP SUBSYSTEM REQUEST(SUBSYS)
47	(2F)	X'8'	0	SIOTSSMG	"8" BIT 4 - SUBSYSTEM ERROR MSG INDICATOR
47	(2F)	X'4'	0	SIOTTRKM	"4" BIT 5 - XB609 SETS FOR AB427 WHEN DYNAMIC
47	(2F)	X'2'	0	SIOTDSNM	"2" BIT 6 - SYSOUT DSDR FOUND ON CHECKPOINT DATA SET
47	(2F)	X'1'	0	SIOTQNAM	"1" BIT 7 - FOR TCAM USE =1 IF QNAME= ON DD STATEMENT. SET BY IEFVDA, TESTED BY ALLOCATION
48	(30)	CHARACTER	1	SCTSPOOL	INTERNAL NO. OF POOL DD
49	(31)	CHARACTER	1	SCTVOLCT	NUMBER OF VOLUMES FOR THIS DATASET
50	(32)	CHARACTER	2		Reserved
52	(34)	CHARACTER	1	SIOTBYT0	EXTENDED ALLOCATION INDICATORS
52	(34)	X'80'	0	SIOTSSDS	"128" BIT 0 - DATA SET WILL BE PROCESSED BY A SUBSYSTEM
52	(34)	X'40'	0	SIOTDYAL	"64" BIT 1 - DATA SET DYNAMICALLY ALLOCATED
52	(34)	X'20'	0	SIOTCRIJ	"32" BIT 2 - Data set created in this job
52	(34)	X'10'	0	SIOTWOWO	"16" BIT 3 - Who Owns, We Own flag. When on, it indicates that this is a Dynamic Allocation that is Demanding an ATL device that is already allocated to this job. This flag is set by IEFAB452 and then checked by IEFAB42B and IEFAB424 to avoid failing the subject Request.
52	(34)	X'8'	0	SIOTDDSP	"8" BIT 4 - Value in SCTSDISP was defaulted
52	(34)	X'4'	0	SIOTNOPV	"4" BIT 5 - USE ATTRIBUTE OF UCB HAS BEEN MADE PRIVATE
52	(34)	X'2'	0	SIOTPUPV	"2" BIT 6 - USE ATT. OF UCB CHANGED FROM PUB TO PRIVATE

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
52	(34)	X'1'	0	SIOTDDMP	"1" BIT 7 - This Dynamically Allocated or Unallocated SIOT requested message processing. - This flag will be set by both IEFDB414 IEFDB4A1 and will mirror S99EWTP. - It will be checked by IEFAB4EE (Allocate) and used by IEFAB4A2 (DISPosition) to determine if the messages for a particular Dynamic Allocation or Unallocation should be buffered or left for Dynamic message processing to handle.
53	(35)	CHARACTER	1	SCTNMBUT	THE NUMBER OF UNITS FOR THE DATA SET
54	(36)	CHARACTER	1	SIOTVLCT	VALUE OF SPECIFIED VOL COUNT(= JFCBVLCT)
55	(37)	CHARACTER	1	SCTSDISP	SCHEDULER DISPOSITION OF THE DATA SET (AT THE END OF THE STEP OR JOB) INDICATORS
55	(37)	X'80'	0	SIOTRETN	"128" BIT 0 - RETAIN BIT
55	(37)	X'40'	0	S3400DSP	"64" BIT 1 - FOR DISP. PROCESSING OF DATA SET ON ASPEN DEVICE
55	(37)	X'20'	0	PRIVATE	"32" BIT 2 - PRIVATE VOLUME
55	(37)	X'20'	0	SIOTPRIV	"32" BIT 2 - PRIVATE VOLUME
55	(37)	X'10'	0	SIOTPASS	"16" BIT 3 - PASS THE DATA SET
55	(37)	X'8'	0	SIOTKEEP	"8" BIT 4 - KEEP THE DATA SET
55	(37)	X'4'	0	SIOTDLET	"4" BIT 5 - DELETE DATA SET
55	(37)	X'2'	0	SIOTCTLG	"2" BIT 6 - CATALOG THE DATA SET
55	(37)	X'1'	0	SIOTUNCT	"1" BIT 7 - UNCATALOG THE DATA SET
56	(38)	CHARACTER	1	SCTSBYT1	INDICATOR BYTE NUMBER 1
56	(38)	X'80'	0	SCTDUMMY	"128" BIT 0 - DUMMY DATA SET
56	(38)	X'40'	0	SCTSYSIN	"64" BIT 1 - SYSIN DATA SET
56	(38)	X'20'	0	SIOTCCAT	"32" BIT 2 - BLANK DD NAME - CONCATENATION
56	(38)	X'10'	0	SIOTGDSN	"16" BIT 3 - GENERATED DATA SET NAME
56	(38)	X'8'	0	SIOTQDSN	"8" BIT 4 - QUALIFIED DATA SET IS SPECIFIED
56	(38)	X'4'	0	SCTPARLM	"4" BIT 5 - PARALLEL MOUNT INDICATOR
56	(38)	X'2'	0	SCTUNAFF	"2" BIT 6 - UNIT AFFINITY
56	(38)	X'1'	0	SIOTJSCT	"1" BIT 7 - SIOT IS ASSOCIATED WITH A JOBCAT OR STEPCAT
57	(39)	CHARACTER	1	SCTSBYT2	INDICATOR BYTE NUMBER 2
57	(39)	X'80'	0	SIOCLUNL	"128" BIT 0 - CLOSE SHOULD DYNAMICALLY UNALLOCATE DATA SET
57	(39)	X'40'	0	SIOTCATL	"64" BIT 1- DATA SET IS A CATALOG
57	(39)	X'20'	0	SCTVOLAF	"32" BIT 2 - VOLUME AFFINITY
57	(39)	X'10'	0	SCTJOBLB	"16" BIT 3 - JOBLIB DD STMNT

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
57	(39)	X'8'	0	SCTUNLBD	"8" BIT 4 - UNLABELED
57	(39)	X'4'	0	SCTLABEL	"4" BIT 5 - NONSTANDARD LABEL
57	(39)	X'2'	0	SCTDEFER	"2" BIT 6 - DEFER MOUNTING
57	(39)	X'1'	0	SCTRECVD	"1" BIT 7 - RECEIVED DATA SET
58	(3A)	CHARACTER	1	SCTSBYT3	INDICATOR BYTE NUMBER 3
58	(3A)	X'80'	0	SCTDSNRF	"128" BIT 0 - VOLUME REFERENCE DSNAME PRESENT
58	(3A)	X'40'	0	SCTSYSNE	"64" BIT 1 - SYSIN EXPECTED (PROCEDURES ONLY)
58	(3A)	X'20'	0	SCTALCHK	"32" BIT 2 - THIS SIOT ALLOCATED AT LAST CHECKPOINT
58	(3A)	X'10'	0	SCTVREF	"16" BIT 3 - VOLUME REFERENCE IN STEP
58	(3A)	X'8'	0	SCTSYSOU	"8" BIT 4 SYSOUT IS SPECIFIED
58	(3A)	X'4'	0	SCTSNEW	"4" BIT 5 - NEW DATA SET
58	(3A)	X'2'	0	SCTSMOD	"2" BIT 6 - MODIFIED DATA SET
58	(3A)	X'1'	0	SCTSOLD	"1" BIT 7 - OLD DATA SET
59	(3B)	CHARACTER	1	SCTSBYT4	INDICATOR BYTE NUMBER 4
59	(3B)	X'80'	0	SCTSGDGS	"128" BIT 0 - SET BY R/O TO INDICATE GDG SINGLE
59	(3B)	X'40'	0	SIOTGDGA	"64" BIT 1 - THIS IS A GENERATED SIOT
59	(3B)	X'20'	0	SIOTAFF	"32" BIT 2 - SIOT AFFINITY INDICATOR
59	(3B)	X'10'	0	SIOTASCI	"16" BIT 3 - USASCII TAPE LABEL. SET BY IEFVDA,TESTED BY IEFWA000
59	(3B)	X'8'	0	SIOTSTEP	"8" BIT 4 - STEP PROCESSED
59	(3B)	X'4'	0	SIOTVAFF	"4" BIT 5 - INTRA-STEP VOLUME AFFINITY
59	(3B)	X'2'	0	SIOTIPDI	"2" BIT 6 - DATA SET IS IN PDI
59	(3B)	X'1'	0	SIOTOMN	"1" BIT 7 - 1 = OLD OR MODIFIED DATA SET 0 = NEW DATA SET
60	(3C)	CHARACTER	8	SCTUTYPE(0)	UNIT TYPE
60	(3C)	CHARACTER	4	SIOTDEVT(0)	DEVICE TYPE
60	(3C)	CHARACTER	1	SIOUBYT1	
61	(3D)	CHARACTER	1	SIOUBYT2	
62	(3E)	CHARACTER	1	SIOUBYT3	DEVICE CLASS
62	(3E)	X'80'	0	SIO3TAPE	"128" BIT 0 - TAPE DEVICE
62	(3E)	X'40'	0	SIO3COMM	"64" BIT 1 - COMMUNICATIONS DEVICE
62	(3E)	X'20'	0	SIO3DACC	"32" BIT 2 - DIRECT ACCESS DEVICE
62	(3E)	X'10'	0	SIO3DISP	"16" BIT 3 - GRAPHICS DEVICE
62	(3E)	X'8'	0	SIO3UREC	"8" BIT 4 - UNIT RECORD DEVICE
	EQU 4 BIT 5 - RESERVED EQU 2 BIT 6 - RESERVED EQU 1 BIT 7 - RESERVED				
63	(3F)	CHARACTER	1	SIOUBYT4	
64	(40)	BITSTRING	4	SIOUCBA4(0)	UCB address (4-bytes)
64	(40)	CHARACTER	1	SIOUCNVT	IF = X'FF' SIOUCBAD is an SVA, IF = X'00' Unit name conversion has been done. Also refer to flag SIOUCVTD.

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
65	(41)	CHARACTER	3	SIOUCBAD	3-byte UCB address or SVA for UNIT=AFF
68	(44)	CHARACTER	8	SCTOUTNM	THE SYSTEM OUTPUT PROGRAM NAME
76	(4C)	CHARACTER	4	SCTOUTNO	THE FORM NUMBER OF THE CARD OR PAPER STOCK TO BE USED WHEN THIS DATA SET IS PUNCHED OR PRINTED
80	(50)	CHARACTER	1	SCTOUTPN	THE SYSTEM OUTPUT CLASS NAME
81	(51)	CHARACTER	1	SIOTBYT4	SIOT INDICATORS BYTE 4
81	(51)	X'80'	0	SIOTPROT	"128" BIT 0 - PROTECT SPECIFIED ON DD
81	(51)	X'40'	0	SIOTRACD	"64" BIT 1 - PROTECT OK IF ALLOC TO DASD
81	(51)	X'20'	0	SIOTRACT	"32" BIT 2 - PROTECT OK IF ALLOC TO TAPE
81	(51)	X'10'	0	SIOTGPRV	"16" BIT 3 - INDICATES THAT SCTANAME CONTAINS AN SVA WHICH IS USED TO FIND A PREVIOUSLY GENERATED TEMPORARY DATASET NAME
81	(51)	X'8'	0	SIOTHIER	"8" BIT 4 - SIOT represents a hierarchical file
81	(51)	X'4'	0	SIOTDSQU	"4" BIT 5 - Reference via SJF Access routine
81	(51)	X'2'	0	SIOTUCNT	"2" BIT 6 - Reference via SJF Access routine
81	(51)	X'1'	0	SIOTVCNT	"1" BIT 7 - Reference via SJF Access routine
82	(52)	CHARACTER	1		Reserved
83	(53)	CHARACTER	1	SIOTSMS	STORAGE MANAGEMENT SUBSYSTEM INDICATORS
83	(53)	X'80'	0	SIOTSMSM	"128" BIT 0 - DATASET IS SMS MANAGED
83	(53)	X'40'	0	SIOTSMS1	"64" BIT 1 - Reserved SJF Access (SMS)
83	(53)	X'20'	0	SIOTSMS2	"32" BIT 2 - Reserved SJF Access (SMS)
83	(53)	X'10'	0	SIOTSMS3	"16" BIT 3 - Reserved SJF Access (SMS)
83	(53)	X'8'	0	SIOTSMS4	"8" BIT 4 - Reserved SJF Access (SMS)
83	(53)	X'4'	0	SIOTSMS5	"4" BIT 5 - Reserved SJF Access (SMS)
83	(53)	X'2'	0	SIOTSMS6	"2" BIT 6 - Reserved SJF Access (SMS)
83	(53)	X'1'	0	SIOTSMS7	"1" BIT 7 - Reserved SJF Access (SMS)
84	(54)	CHARACTER	4	SIOTSWB	SCHEDULER WORK BLOCK (SWB) STRUCTURE POINTER
88	(58)	CHARACTER	4	SIOTASCT(0)	SVA STRUCTURE OF STEP CONTROL TABLE (SCT) FOR THIS STEP
88	(58)	CHARACTER	1		RESERVED
89	(59)	CHARACTER	3	SIOTSCT	SVA OF SCT FOR THIS STEP
92	(5C)	CHARACTER	1	SIOTALTD	CONDITIONAL DISPOSITION
92	(5C)	X'80'	0	SIOTREDT	"128" BIT 0 - Tape redirected to SMS DASD

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
92	(5C)	X'40'	0	SIOTOPEN	"64" BIT 1 - Data set opened in step
92	(5C)	X'20'	0	SIOJCATS	"32" BIT 2 - JOB CAT SWITCH USED ONLY BY INTERPRETER WHEN READING IN COPIES OF CONCATENATED JOBCAT SIOTS
92	(5C)	X'10'	0	SIOTNPRV	"16" BIT 3 -THIS BIT IS SET AT RESTART TIME TO INDICATE THAT THIS DD IS NON-PRIVATE EVEN THOUGH IT MAY NOW APPEAR TO BE PRIVATE
92	(5C)	X'8'	0	SIOTAKEP	"8" BIT 4 - KEEP DATA SET IF ABEND
92	(5C)	X'4'	0	SIOTADEL	"4" BIT 5 - DELETE DATA SET IF ABEND
92	(5C)	X'2'	0	SIOTACAT	"2" BIT 6 - CATALOG DATA SET IF ABNORNAL TERMINATION
92	(5C)	X'1'	0	SIOTAUNC	"1" BIT 7 - UNCATALOG DATA SET IF ABNORMAL TERMINATION
93	(5D)	CHARACTER	3	SIOTSSWA	SVA OF SSWA
96	(60)	CHARACTER	1	SIOTOUTC	NUMBER OF SYSOUT COPIES TO BE PRINTED
97	(61)	CHARACTER	1	SIOTBYT5	SIOT INDICATOR BYTE 5
97	(61)	X'80'	0	SIOTDEFC	"128" BIT 0 - INDICATE DEFAULT COPIES WAS SET
97	(61)	X'40'	0	SIOTDCLA	"64" BIT 1 - INDICATE DEFAULT SYSOUT WAS SET
97	(61)	X'20'	0	SIOTDDST	"32" BIT 2 - INDICATE DEFAULT DEST WAS SET
97	(61)	X'10'	0	SIOTADUN	"16" BIT 3 - INDICATE DEFAULT UNITS - SET BY DYNALLOC
97	(61)	X'8'	0	SIOTDYNU	"8" BIT 4 - Indicates to SMS that the unit parameter in SCTUTYPE is the Dynamic Allocation default unit from the Device Allocation Defaults Table
97	(61)	X'4'	0	SIOTOVES	"4" BIT 5 - When set, it indicates this SIOT is associated with an 'overriding' esoteric. It is set by IEFAB464 and used by IEFAB4A2, IEFAB464, and IEFAB490.
97	(61)	X'2'	0	SIOTBLKD	"2" BIT 6 - USER SPECIFIED BLKSIZE KEYWORD VALUE, SO ALLOCATION SHOULD NOT OVERWRITE WITH VALUE IN MODEL DSCB
97	(61)	X'1'	0	SIOTWTRN	"1" BIT 7 - INDICATE PROGRAM NAME IS A WRITER NAME
98	(62)	CHARACTER	1		Reserved
99	(63)	CHARACTER	3	SIOTXSVA	SIOT Extension block (SIOTX) SVA
102	(66)	CHARACTER	1	SIOTSMSF	STORAGE MANAGEMENT SUBSYSTEM INDICATORS
102	(66)	X'80'	0	SIOTUSEQ	"128" BIT 0 - Reserved SJF Access (SMS)

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
102	(66)	X'40'	0	SIOTULAB	"64" BIT 1 - Reserved SJF Access (SMS)
102	(66)	X'20'	0	SIOTUTRT	"32" BIT 2 - Reserved SJF Access (SMS)
102	(66)	X'10'	0	SIOTTRTD	"16" BIT 3 - Reserved SJF Access (SMS)
102	(66)	X'8'	0	SIOTKEYD	"8" BIT 4 - Reserved SJF Access (SMS)
102	(66)	X'4'	0	SIOTRESL	"4" BIT 5 - Reserved SJF Access (SMS)
102	(66)	X'2'	0	SIOTDUPV	"2" BIT 6 - Duplicate Volume support for JES3 Updated via SJF key '8530'X
102	(66)	X'1'	0	SIOTSHNR	"1" BIT 7 - SMSHONOR (DALSMSHR) is coded on UNIT- honor UNITNAME for the SMS tape lib request
103	(67)	CHARACTER	1	SIOTBYT2	MVM INDICATOR BYTE
103	(67)	X'80'	0	SIOTDMND	"128" BIT 0 - INDICATES SPECIFIC UNIT REQ MADE
103	(67)	X'40'	0	SIOTDSPD	"64" BIT 1 - DISP FOR THIS DATA SET HAS BEEN PROCESSED
103	(67)	X'20'	0	SIOTGALL	"32" BIT 2 - SIOT IS PART OF GDG ALL REQUEST
103	(67)	X'10'	0	SIOTCALC	"16" BIT 3 - DATA SET CATLGD WHEN ALLOC'D
103	(67)	X'8'	0	SIOTCNEW	"8" BIT 4 - ORIG ALLOC'D STAT OF NEW CONVRTD
103	(67)	X'4'	0	SIOTCVOL	"4" BIT 5 - SIOT REPRESENTS AN OS CVOL
103	(67)	X'2'	0	SIOTSACP	"2" Bit 6 - When on, indicates that message cells pointed to by SIOTAMSG for this request have been moved to the Allocation 'SC1B4 AB490' Cell Pool. - This flag is set in IEFAB490 and then checked and reset in IEFDB4A1 when the cells are FREEd.
103	(67)	X'1'	0	SIOTPTTS	"1" BIT 7 - When on, indicates that we are 'Processing This Tape Siot' in Recovery Allocation. - This flag is set in IEFAB48A, checked in IEFAB489 and is never reset.
104	(68)	CHARACTER	4	SIOTSSNM	NAME OF SUBSYSTEM TO PROCESS DATASET
108	(6C)	CHARACTER	4	SIOTSTMT	JCL STATEMENT NUMBER CORRESPONDING TO THIS DD STATEMENT
112	(70)	ADDRESS	4	SIOTSIOX	SIOT Extension block (SIOTX) virtual address

Table 124. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
116	(74)	CHARACTER	4	SIOTAMSG	- Pointer to the first Allocation message cell in any one of the following message Cell Pools, 'IGDMCSCG MSG CELL POOL', or 'ALLOCATION ERROR MESSAGE', or 'SC1B4 AB490'. - If SIOTSACP is on, the message cell(s) for this request have been moved from either of of the first two Cell Pools into the 'SC1B4 AB490' Cell Pool.
120	(78)	CHARACTER	2		Reserved
122	(7A)	CHARACTER	8	SCTANAME(0)	&NAME FROM DSNAME=
122	(7A)	CHARACTER	2		DEFINES THE REST OF THE SCTANAME FIELD
124	(7C)	CHARACTER	3	SIOPGSVA	THIS FORM CONTAINS THE SVA OF A JFCB WITH A PREVIOUSLY GENERATED TEMPORARY DATASET NAME.
127	(7F)	CHARACTER	3		DEFINES THE REST OF THE SCTANAME FIELD
130	(82)	CHARACTER	2	SIOTRSNC	ERROR CODE
132	(84)	CHARACTER	4	SIOTDDWA	Virtual address of the IEFZDDWA which is valid only during allocation
136	(88)	CHARACTER	4	SIOTEDLP	EDL POINTER
140	(8C)	ADDRESS	4	SIOTDDIB	Pointer to DDIB block used by Allocation to contain the path name for a hierarchical file (OpenMVS path name)
144	(90)	CHARACTER	4	SIOTPSVA	SVA OF PASSING SIOT
148	(94)	CHARACTER	4	SIOTETIO	ETIOT ENTRY
152	(98)	CHARACTER	4	SIOTNPTR	VIRTUAL ADDRESS OF NEXT SIOT
156	(9C)	CHARACTER	4	SJFCBPTR	VIRTUAL ADDRESS OF JFCB
160	(A0)	CHARACTER	4	SIOTJFX	VIRTUAL ADDRESS OF JFCBX
164	(A4)	CHARACTER	4	SIOTVMVP	VOLUME MNT AND VERIFY REQUEST
168	(A8)	CHARACTER	2		Reserved
170	(AA)	CHARACTER	2	SIOVDSNT	OFFSET INTO DSNT FOR VOL REF TO A DATA SET NAME
172	(AC)	CHARACTER	1	SIOVDSNL	LENGTH OF DATA SET NAME OF VOL REF TO A DATA SET NAME
173	(AD)	CHARACTER	1	SIODDSNL	LENGTH OF DATA SET NAME OF DCB REF TO A DATA SET NAME
174	(AE)	CHARACTER	6		TO MAKE 180(SIOT)
174	(AE)	X'AE'	0	SIOTLGTH	"174" LENGTH OF SIOT
180	(B4)	CHARACTER	4		HDR(INTERPRETER ONLY)
180	(B4)	X'1C'	0	JFCBID	"28"

Table 125. Cross Reference for SIOT

Name	Offset	Hex Tag
DSNID	3	7
INDMSIOT	0	0
JFCBID	B4	1C

Table 125. Cross Reference for SIOT (continued)

Name	Offset	Hex Tag
PRIVATE	37	20
SCTALCHK	3A	20
SCTANAME	7A	
SCTDDINO	2C	
SCTDDNAM	4	
SCTDEFER	39	2
SCTDSNRF	3A	80
SCTDUMMY	38	80
SCTJOBLB	39	10
SCTLABEL	39	4
SCTNMBUT	35	
SCTOUTNM	44	
SCTOUTNO	4C	
SCTOUTPN	50	
SCTPARLM	38	4
SCTPJFCB	20	
SCTPSIOT	1C	
SCTRECVD	39	1
SCTSBYT1	38	
SCTSBYT2	39	
SCTSBYT3	3A	
SCTSBYT4	3B	
SCTSDISP	37	
SCTSGDGS	3B	80
SCTSMOD	3A	2
SCTSNEW	3A	4
SCTSOLD	3A	1
SCTSPOOL	30	
SCTSYSIN	38	40
SCTSYSNE	3A	40
SCTSYSOU	3A	8
SCTUNAFF	38	2
SCTUNLBD	39	8
SCTUSADD	14	
SCTUTYPE	3C	
SCTVOLAF	39	20
SCTVOLCT	31	
SCTVREF	3A	10
SIOALIAS	2E	80
SIOCDEVT	2E	40
SIOCLUNL	39	80
SIODADSM	2B	4
SIODDSNL	AD	
SIODSNTE	16	
SIODUNAL	2B	10
SIOJCATS	5C	20
SIOPGSVA	7C	
SIOTACAT	5C	2
SIOTADEL	5C	4

Table 125. Cross Reference for SIOT (continued)

Name	Offset	Hex Tag
SIOTADUN	61	10
SIOTAFF	3B	20
SIOTAFID	1A	
SIOTAKEP	5C	8
SIOTALCD	2B	2
SIOTALTD	5C	
SIOTAMSG	74	
SIOTASCI	3B	10
SIOTASCT	58	
SIOTAUNC	5C	1
SIOTBLKD	61	2
SIOTBYT0	34	
SIOTBYT1	2B	
SIOTBYT2	67	
SIOTBYT3	2E	
SIOTBYT4	51	
SIOTBYT5	61	
SIOTCALC	67	10
SIOTCATL	39	40
SIOTCCAT	38	20
SIOTCNEW	67	8
SIOTCRIJ	34	20
SIOTCTLG	37	2
SIOTCVOL	67	4
SIOTDADR	2B	8
SIOTDCLA	61	40
SIOTDDIB	8C	
SIOTDDMP	34	1
SIOTDDNT	2B	1
SIOTDDSP	34	8
SIOTDDST	61	20
SIOTDDWA	84	
SIOTDEFC	61	80
SIOTDEST	C	
SIOTDEVT	3C	
SIOTDLET	37	4
SIOTDMND	67	80
SIOTDSID	2E	8
SIOTDSKA	0	
SIOTDSNM	2F	2
SIOTDSOP	2E	2
SIOTDSPD	67	40
SIOTDSQU	51	4
SIOTDUPV	66	2
SIOTDYAL	34	40
SIOTDYNU	61	8
SIOTEDLP	88	
SIOTETIO	94	
SIOTGALL	67	20

Table 125. Cross Reference for SIOT (continued)

Name	Offset	Hex Tag
SIOTGDGA	3B	40
SIOTGDSN	38	10
SIOTGPRV	51	10
SIOTHIER	51	8
SIOTHLD	2E	1
SIOTHOLD	2B	40
SIOTID	3	3
SIOTINFC	2F	80
SIOTIPDI	3B	2
SIOTJES3	2E	20
SIOTJFX	A0	
SIOTJSCT	38	1
SIOTKEEP	37	8
SIOTKEYD	66	8
SIOTLGTH	AE	AE
SIOTNOPV	34	4
SIOTNPRV	5C	10
SIOTNPTR	98	
SIOTOCKP	2B	80
SIOTOMN	3B	1
SIOTOPEN	5C	40
SIOTOTUN	27	
SIOTOUTC	60	
SIOTOVES	61	4
SIOTPASS	37	10
SIOTPRIV	37	20
SIOTPROT	51	80
SIOTPSVA	90	
SIOTPTTS	67	1
SIOTPUPV	34	2
SIOTQDSN	38	8
SIOTQNAM	2F	1
SIOTRACD	51	40
SIOTRACT	51	20
SIOTREDT	5C	80
SIOTREFN	28	
SIOTRESL	66	4
SIOTRETN	37	80
SIOTRSNC	82	
SIOTSACP	67	2
SIOTSCT	59	
SIOTSHNR	66	1
SIOTSIOX	70	
SIOTSMS	53	
SIOTSMSF	66	
SIOTSMSM	53	80
SIOTSMS1	53	40
SIOTSMS2	53	20
SIOTSMS3	53	10

Table 125. Cross Reference for SIOT (continued)

Name	Offset	Hex Tag
SIOTSMS4	53	8
SIOTSMS5	53	4
SIOTSMS6	53	2
SIOTSMS7	53	1
SIOTSSDS	34	80
SIOTSSGP	2F	10
SIOTSSMG	2F	8
SIOTSSNM	68	
SIOTSSWA	5D	
SIOTSTEP	3B	8
SIOTSTMT	6C	
SIOTSWB	54	
SIOTTERM	2F	40
SIOTTRKM	2F	4
SIOTTRTD	66	10
SIOTTSTC	2F	
SIOTTYPE	3	
SIOTUCNT	51	2
SIOTULAB	66	40
SIOTUNAF	14	14
SIOTUNCT	37	1
SIOTUSEQ	66	80
SIOTUTRT	66	20
SIOTVAFF	3B	4
SIOTVCNT	51	1
SIOTVLCT	36	
SIOTVLSP	18	
SIOTVMVP	A4	
SIOTVRSB	24	
SIOTWOWO	34	10
SIOTWTRN	61	1
SIOTXSVA	63	
SIOUBYT1	3C	
SIOUBYT2	3D	
SIOUBYT3	3E	
SIOUBYT4	3F	
SIOUCBAD	41	
SIOUCBA4	40	
SIOUCNVT	40	
SIOUCVTD	2E	4
SIOVAMDS	2B	20
SIOVDSNL	AC	
SIOVDSNT	AA	
SIO3COMM	3E	40
SIO3DACC	3E	20
SIO3DISP	3E	10
SIO3TAPE	3E	80
SIO3UREC	3E	8
SJFCBPTR	9C	

Table 125. Cross Reference for SIOT (continued)

Name	Offset	Hex Tag
S3400DSP	37	40
S3400OFF	2E	10

Chapter 23. SJACP Information

SJACP Heading Information

Common Name:	SCHEDULER JCL FACILITY ACCESS FUNCTION PARAMETER LIST
Macro ID:	IEFSJACP
DSECT Name:	SJACP, SJACRQT
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJAC Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key
Size:	80 bytes
Created by:	Caller
Pointed to by:	N/A
Serialization:	None
Function:	Mapping for the Scheduler JCL facility access function parameter list.

SJACP mapping

Table 126. Structure SJACP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	80	SJACP	SJF Access Function parm list
0	(0)	CHARACTER	4	SJACID	Identifier 'SJAC'
4	(4)	UNSIGNED	1	SJACVERS	Version number
5	(5)	CHARACTER	1	SJACFLAG	Control flags
		1...		SJACNREC	No recovery
		.1..		SJACNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJACLEN	Length of parameter list
8	(8)	ADDRESS	4	SJACSTOR	Local storage pointer or zero
12	(C)	SIGNED	4	SJACREAS	Reason code (returned)
16	(10)	CHARACTER	8	SJACTOKN	SJF token
24	(18)	CHARACTER	56	SJACFLDS	Used to zero parameter list
24	(18)	CHARACTER	1	SJACRQST	Request type
		1...		SJACUPD	Update
		.1..		SJACRET	Retrieve
		..1.		SJACFIND	Find
		...1 1111		*	Reserved
25	(19)	CHARACTER	1	SJACFUNC	Flag field
		1...		SJACSYST	System input
		.1..		SJACUNAU	Request is from an invoker whose caller is unauthorized
		..1.		SJACCNT	Continue processing after errors have occurred
		...1		SJACJRNL	Journaling requested
		.... 1...		SJACOSER	Serialization on swb use count is not required

Table 126. Structure SJACP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .111		*	Reserved
26	(1A)	UNSIGNED	2	SJACREQ#	Number of individual requests
28	(1C)	ADDRESS	4	SJACRPTR	Pointer to request table
32	(20)	CHARACTER	16	SJACCHID	SWB chain identification
32	(20)	CHARACTER	8	SJACVERB	Verb
40	(28)	CHARACTER	8	SJACLABL	Statement label
48	(30)	CHARACTER	20	SJACFNP	Parameters used for FIND requests only
48	(30)	CHARACTER	1	SJACFLG2	Function flag
		1...		SJACNEXT	Find next SWB processing
		.1..		SJACNJST	JOB token supplied
		..1.		SJACJBTK	JOB token build requested
		...1		SJACCSTK	Current Step token build requested
		 1111		*	Reserved
49	(31)	CHARACTER	1	SJACFUN1	FIND non-master scheduler flag byte
		1...		SJACJOB	Job level
		.1..		SJACCST	Current step level
		..1.		SJACST	Step level or procname and step
		...1 1111		*	Reserved
50	(32)	CHARACTER	2	SJACRSV0	Reserved
52	(34)	CHARACTER	8	SJACSTPN	Step name
60	(3C)	CHARACTER	8	SJACPRLB	Label on the proc statement
68	(44)	UNSIGNED	4	SJACSTMT	Statement number in hex (returned)
72	(48)	ADDRESS	4	SJACALT	Alternate SWA manager address
76	(4C)	CHARACTER	4	SJACRSV2	Reserved

Table 127. Structure SJACRQT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	SJACRQT(*)	Request table
0	(0)	CHARACTER	16	SJACENTY	Request table entry
0	(0)	SIGNED	4	SJACRSN	Reason code (returned)
4	(4)	CHARACTER	10	SJACINFO	Request table information
4	(4)	ADDRESS	4	SJACADDR	Address of area
8	(8)	SIGNED	2	SJACLNTH	Length of area
10	(A)	UNSIGNED	2	SJACKEY	SJF Key
12	(C)	UNSIGNED	1	SJACPARM	Parameter number
13	(D)	BITSTRING	1	SJACVALB	Keyword validity byte
		1...		SJACVLKY	Keyword associated with this parameter was specified by the user
		.111 1111		*	Reserved
14	(E)	UNSIGNED	2	SJACARLN	Actual returned length of area

Table 128. Constants for SJACP

Len	Type	Value	Name	Description
		ADDITIONAL DATA NEEDED FOR PARAMETER LIST		

Table 128. Constants for SJACP (continued)

Len	Type	Value	Name	Description
4	CHARACTER	SJAC	SJACCID	Identifier
1	DECIMAL	1	SJACCVER	Version number

Table 129. Cross Reference for SJACP

Name	Offset	Hex Tag
SJACADDR	4	
SJACALT	48	
SJACARLN	E	
SJACCHID	20	
SJACCNT	19	20
SJACCST	31	40
SJACCSTK	30	10
SJACENTY	0	
SJACFIND	18	20
SJACFLAG	5	
SJACFLDS	18	
SJACFLG2	30	
SJACFNP	30	
SJACFUNC	19	
SJACFUN1	31	
SJACID	0	
SJACINFO	4	
SJACJBTK	30	20
SJACJOB	31	80
SJACJRNL	19	10
SJACKEY	A	
SJACLABL	28	
SJACLEN	6	
SJACLNTH	8	
SJACNEXT	30	80
SJACNJST	30	40
SJACNOCU	5	40
SJACNREC	5	80
SJACOSER	19	08
SJACP	0	
SJACPARM	C	
SJACPRLB	3C	
SJACREAS	C	
SJACREQ#	1A	
SJACRET	18	40
SJACRPTR	1C	
SJACRQST	18	
SJACRQT	0	
SJACRSN	0	
SJACRSV0	32	
SJACRSV2	4C	
SJACST	31	20
SJACSTMT	44	

Table 129. Cross Reference for SJACP (continued)

Name	Offset	Hex Tag
SJACSTOR	8	
SJACSTPN	34	
SJACSYST	19	80
SJACTOKN	10	
SJACUNAU	19	40
SJACUPD	18	80
SJACVALB	D	
SJACVERB	20	
SJACVERS	4	
SJACVLKY	D	80

Chapter 24. SJCLS Information

SJCLS Heading Information

Common Name:	Scheduler JCL Facility JDT Class Definitions
Macro ID:	IEFSJCLS
DSECT Name:	SJCLS
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: N/A Key: N/A
Size:	N/A
Created by:	N/A
Pointed to by:	N/A
Serialization:	N/A
Function:	Defines the JDT class names. A class is a subset of the keywords defined to a verb in the JDTs. A class is a logical grouping of the keywords of a JDT defined verb. A keyword is assigned to a class by a parameter on the JDT JDKEY macro. The names of the classes are defined in IEFSJCLS.

Constants for SJCLS

Table 130. Constants for SJCLS

Len	Type	Value	Name	Description
8	HEX	0000000000000000	SJCLALL	Identifies all keywords/keys are requested
8	CHARACTER	J2GROUP	SJCLJ2G	Identifies SJF keys used in JES2 output grouping
8	CHARACTER	SPOOL	SJCLSPOL	Identifies SJF keys that are defined to the JES's as spoolable
8	CHARACTER	USERGRP	SJCLUSER	Identifies SJF user-oriented defined keys

Chapter 25. SJDLP Information

SJDLP Heading Information

Common Name:	SCHEDULER JCL FACILITY DELETE SCHEDULER BLOCK (SWB) PARAMETER LIST
Macro ID:	IEFSJDLP
DSECT Name:	SJDLP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJDL Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Any Residency: Any
Size:	32 bytes
Created by:	Caller of SJFREQ REQUEST=DELETESWB
Pointed to by:	On entry to SJF, register 1 points to a word that points to SJDLP
Serialization:	None
Function:	MAPPING FOR THE SCHEDULER JCL FACILITY DELETE SWB PARAMETER LIST.

SJDLP mapping

Table 131. Structure SJDLP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	32	SJDLP	DELETE SWB PARAMETER LIST
0	(0)	CHARACTER	4	SJDLID	IDENTIFIER C'SJDL'
4	(4)	UNSIGNED	1	SJDLVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJDLFLAG	CONTROL FLAG BYTE
		1...		SJDLNREC	NO RECOVERY
		.1..		SJDLNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJDLLEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJDLSTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJDLREAS	REASON CODE
16	(10)	CHARACTER	4	SJDLRSV1	RESERVED
20	(14)	CHARACTER	8	SJDLTOKN	SWB CHAIN TOKEN (SEE NOTE ABOVE)
20	(14)	ADDRESS	4	SJDLANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
24	(18)	ADDRESS	4	SJDLANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
28	(1C)	CHARACTER	1	SJDLFUNC	FUNCTION FLAGS FOR DELETE
		1...		SJDLLDEL	LOGICALLY DELETE THE SWB CHAIN INDICATED BY THE TOKEN
		.111 1111		*	RESERVED
29	(1D)	CHARACTER	3	SJDLRSV2	RESERVED

SJDLP mapping

Table 132. Constants for SJDLP

Len	Type	Value	Name	Description
ADDITIONAL DATA NEEDED FOR PARAMETER LIST				
4	CHARACTER	SJDL	SJDLCID	IDENTIFIER
1	DECIMAL	1	SJDLCVER	VERSION NUMBER

Table 133. Cross Reference for SJDLP

Name	Offset	Hex Tag
SJDLANBK	14	
SJDLANCA	18	
SJDLFLAG	5	
SJDLFUNC	1C	
SJDLID	0	
SJDLLDEL	1C	80
SJDLLEN	6	
SJDLNOCU	5	40
SJDLNREC	5	80
SJDLP	0	
SJDLREAS	C	
SJDLRSV1	10	
SJDLRSV2	1D	
SJDLSTOR	8	
SJDLTOKN	14	
SJDLVERS	4	

Chapter 26. SJERP Information

SJERP Heading Information

Common Name:	SJF ERASE SWB PARAMETER LIST
Macro ID:	IEFSJERP
DSECT Name:	SJERP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJER Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key Residency: Any
Size:	58 bytes
Created by:	Caller of SJFREQ REQUEST=ERASE
Pointed to by:	On entry to SJF, register 1 points to a word that points to SJERP
Serialization:	None
Function:	The parameter list identifies a SWB chain (via the token) containing the field to be erased, as well as the JDVT/VERB/KEYWORD/PARAMETER or JDVT/VERB/KEY/PARAMETER to be erased.

SJERP mapping

Table 134. Structure SJERP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	58	SJERP	Parameter list
0	(0)	CHARACTER	4	SJERID	Identifier 'SJER'
4	(4)	UNSIGNED	1	SJERVERS	Version number
5	(5)	BITSTRING	1	SJERFLAG	Control flags
		1...		SJERNREC	No recovery
		.1..		SJERNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJERLEN	Length of parameter list
8	(8)	SIGNED	4	SJERSTOR	Local storage pointer
12	(C)	SIGNED	4	SJERREAS	Reason code (returned)
16	(10)	CHARACTER	8	SJERTOKN	Token identifying SWB chain
16	(10)	ADDRESS	4	SJERANBK	
20	(14)	ADDRESS	4	SJERANCA	
24	(18)	BITSTRING	1	SJERFUNC	Function byte
		1...		SJERJOUR	Journalling requested
		.1..		SJERALL	Erase all subparameters
		..1.		SJERSUB	Erase all sublist data
		...1 1111		*	Reserved
25	(19)	CHARACTER	3	SJERRSV1	Reserved
28	(1C)	CHARACTER	8	SJERJDVT	JDVT name for keyword to erase
36	(24)	CHARACTER	8	SJERVERB	Verb of keyword to be erased
44	(2C)	CHARACTER	8	SJERKEYW	Keyword to be erased
52	(34)	UNSIGNED	2	SJERPARM	Parameter to be erased

Table 134. Structure SJERP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
54	(36)	UNSIGNED	2	SJERSUBL	Sublist element to be erased
56	(38)	UNSIGNED	2	SJERKEY	Key to be erased

Table 135. Constants for SJERP

Len	Type	Value	Name	Description
Additional data needed for the Erase parameter list				
4	CHARACTER	SJER	SJERCID	Parameter list acronym
1	DECIMAL	1	SJERCVER	Parameter list version

Table 136. Cross Reference for SJERP

Name	Offset	Hex Tag
SJERALL	18	40
SJERANBK	10	
SJERANCA	14	
SJERFLAG	5	
SJERFUNC	18	
SJERID	0	
SJERJDVT	1C	
SJERJOUR	18	80
SJERKEY	38	
SJERKEYW	2C	
SJERLEN	6	
SJERNOCU	5	40
SJERNREC	5	80
SJERP	0	
SJERPARM	34	
SJERREAS	C	
SJERRSV1	19	
SJERSTOR	8	
SJERSUB	18	20
SJERSUBL	36	
SJERTOKN	10	
SJERVERB	24	
SJERVERS	4	

Chapter 27. SJFNP Information

SJFNP Heading Information

Common Name:	Scheduler JCL Facility Find SWB Parameter List
Macro ID:	IEFSJFNP
DSECT Name:	SJFNP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJFN Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key
Size:	72 bytes
Created by:	Caller
Pointed to by:	Caller sets up Register 1 pointing to a word which points to SJFNP.
Serialization:	None
Function:	Maps the input for the Scheduler JCL Facility Find SWB routine.

SJFNP mapping

Table 137. Structure SJFNP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	72	SJFNP	FIND SWB PARAMETER LIST
0	(0)	CHARACTER	4	SJFNID	IDENTIFIER C'SJFN'
4	(4)	UNSIGNED	1	SJFNVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJFNFLAG	CONTROL FLAG BYTE
		1...		SJFNNREC	NO RECOVERY
		.1..		SJFNNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJFNLEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJFNSTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJFNREAS	REASON CODE
16	(10)	CHARACTER	56	SJFNINFO	PARAMETER INFORMATION
16	(10)	BITSTRING	1	SJFNFLG2	
		1...		SJFNNEXT	FIND NEXT SWB PROCESSING
		.1..		SJFNCNTL	SEARCH FOR A STATEMENT WITHIN A CONTROL GROUP
		..1.		SJFNSASP	STARTING ADDRESS SPECIFIED
		...1		SJFNOSER	SERIALIZATION ON SWB USE COUNT IS TO BE BYPASSED WHEN ON
		.... 1...		SJFNRSWB	INDICATES THAT RETURNSWB WILL BE ISSUED FOR INPUT TOKEN
		.... .111		*	RESERVED
17	(11)	BITSTRING	2	SJFNIDSW	IDENTIFY THE SWB TO BE FOUND
17	(11)	BITSTRING	1	SJFNFUN1	NON-MASTER SCHEDULER FLAG BYTE
		1...		SJFNJOB	JOB LEVEL
		.1..		SJFNCST	CURRENT STEP LEVEL

Table 137. Structure SJFNP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		SJFNST	STEP LEVEL OR PROC AND STEP
		...1 1111		*	RESERVED
18	(12)	BITSTRING	1	SJFNFUN2	MASTER SCHEDULER FLAG BYTE
		1...		SJFNMSTJ	JOB LEVEL
		.1..		SJFNMSTS	STEP LEVEL
		..11 1111		*	RESERVED
19	(13)	BITSTRING	1	SJFNFLG3	
		1...		SJFNJST	JOB TOKEN INDICATOR
		.111 1111		*	RESERVED
20	(14)	CHARACTER	8	SJFNSTPN	STEPNAME-REQUIRED IF SJFNST ON
28	(1C)	CHARACTER	16	SJFNCHID	SWB CHAIN IDENTIFICATION
28	(1C)	CHARACTER	8	SJFNVERB	VERB (OPTIONAL IF NOT DD)
36	(24)	CHARACTER	8	SJFNLABL	STATEMENT LABEL (OPTIONAL)
44	(2C)	CHARACTER	8	SJFNTOKN	SWB CHAIN TOKEN
44	(2C)	ADDRESS	4	SJFNANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
48	(30)	ADDRESS	4	SJFNANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
52	(34)	CHARACTER	8	SJFNCNLB	LABEL ON THE CNTL STATEMENT
60	(3C)	CHARACTER	8	SJFNPRLB	LABEL ON THE PROC STATEMENT (OPTIONAL)
68	(44)	UNSIGNED	4	SJFNSTMT	STATEMENT NUMBER RETURNED IN HEXADECIMAL

Table 138. Constants for SJFNP

Len	Type	Value	Name	Description
ADDITIONAL DATA NEEDED FOR PARAMETER LIST				
4	CHARACTER	SJFN	SJFNCID	IDENTIFIER
1	DECIMAL	2	SJFNCVER	VERSION NUMBER

Table 139. Cross Reference for SJFNP

Name	Offset	Hex Tag
SJFNANBK	2C	
SJFNANCA	30	
SJFNCHID	1C	
SJFNCNLB	34	
SJFNCNTL	10	40
SJFNCST	11	40
SJFNFLAG	5	
SJFNFLG2	10	
SJFNFLG3	13	
SJFNFUN1	11	
SJFNFUN2	12	
SJFNID	0	
SJFNIDSW	11	
SJFNINFO	10	

Table 139. Cross Reference for SJFNP (continued)

Name	Offset	Hex Tag
SJFNJOB	11	80
SJFNJST	13	80
SJFNLABL	24	
SJFNLEN	6	
SJFNMSTJ	12	80
SJFNMSTS	12	40
SJFNNEXT	10	80
SJFNNOCU	5	40
SJFNNREC	5	80
SJFNOSER	10	10
SJFNP	0	
SJFNPRLB	3C	
SJFNREAS	C	
SJFNRSWB	10	08
SJFNSASP	10	20
SJFNST	11	20
SJFNSTMT	44	
SJFNSTOR	8	
SJFNSTPN	14	
SJFNTOKN	2C	
SJFNVERB	1C	
SJFNVERS	4	

Chapter 28. SJGEP Information

SJGEP Heading Information

Common Name:	SJF Get SWB Parameter List
Macro ID:	IEFSJGEP
DSECT Name:	SJGEP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJGE Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key
Size:	44 bytes
Created by:	Caller
Pointed to by:	Caller sets up Register 1 pointing to a word which points to SJFNP.
Serialization:	None
Function:	Maps the input to the Scheduler JCL Facility Get SWB routine.

SJGEP mapping

Table 140. Structure SJGEP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	44	SJGEP	
0	(0)	CHARACTER	4	SJGEID	IDENTIFIER
4	(4)	UNSIGNED	1	SJGEVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJGEFLAG	CONTROL FLAGS
		1...		SJGENREC	NO RECOVERY
		.1..		SJGENOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJGELEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJGESTOR	LOCAL STORAGE POINTER
12	(C)	SIGNED	4	SJGEREAS	RESULT REASON CODE (RETURNED)
16	(10)	CHARACTER	8	SJGETOKN	SWB TOKEN
16	(10)	ADDRESS	4	SJGEANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
20	(14)	ADDRESS	4	SJGEANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
24	(18)	BITSTRING	2	SJGEQUAL	BIT QUALIFIERS FOR KEYWORD SELECTION
24	(18)	BITSTRING	1	SJGEPOSI	ATTRIBUTES REQUESTED
		1...		SJGESPL	KEYWORDS TO BE SPOOLED
		.111 1111		*	RESERVED
25	(19)	BITSTRING	1	SJGENEGA	ATTRIBUTES NOT REQUESTED
		1...		SJGENSPL	KEYWORDS NOT TO BE SPOOLED
		.111 1111		*	RESERVED
26	(1A)	SIGNED	2	SJGERSV2	RESERVED

Table 140. Structure SJGEP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
28	(1C)	ADDRESS	4	SJGESWBA	ADDRESS OF AREA TO COPY THE KEYWORD DATA
32	(20)	SIGNED	2	SJGEALEN	LENGTH OF KEYWORD DATA AREA
34	(22)	SIGNED	2	SJGERSV4	RESERVED
36	(24)	CHARACTER	8	SJGEJDVT	JDVT NAME

Table 141. Constants for SJGEP

Len	Type	Value	Name	Description
ADDITIONAL DATA NEEDED FOR THE GET SWB PARAMETER LIST				
4	CHARACTER	SJGE	SJGECID	IDENTIFIER
1	DECIMAL	1	SJGECVER	CURRENT VERSION NUMBER

Table 142. Cross Reference for SJGEP

Name	Offset	Hex Tag
SJGEALEN	20	
SJGEANBK	10	
SJGEANCA	14	
SJGEFLAG	5	
SJGEID	0	
SJGEJDVT	24	
SJGELEN	6	
SJGENEGA	19	
SJGENOCU	5	40
SJGENREC	5	80
SJGENSPL	19	80
SJGEP	0	
SJGEPOSI	18	
SJGEQUAL	18	
SJGEREAS	C	
SJGERSV2	1A	
SJGERSV4	22	
SJGESPL	18	80
SJGESTOR	8	
SJGESWBA	1C	
SJGETOKN	10	
SJGEVERS	4	

Chapter 29. SJKEY Information

SJKEY Programming Interface Information

ONLY the following fields are part of the programming interface information:

- SJKYACDE
- SJKYAVGR
- SJKYCNTL
- SJKYDACL
- SJKYDSNT
- SJKYFDAT
- SJKYJBYT
- SJKYJCRD
- SJKYJENV
- SJKYJLIN
- SJKYJPAG
- SJKYKEYO
- SJKYLIKE
- SJKYMGCL
- SJKYOUTP
- SJKYPATH
- SJKYPMDE
- SJKYPNDS
- SJKYPOPT
- SJKYRECO
- SJKYREFD
- SJKYRLS
- SJKYSECM
- SJKYSEGM
- SJKYSPIN
- SJKYSTCL

SJKEY Heading Information

Common Name:	Scheduler JCL Facility (SJF) Key Constants
Macro ID:	IEFSJKEY
DSECT Name:	n/a
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	n/a Offset: n/a Length: n/a
Storage Attributes:	Virtual Storage: included in module's dynamic area
Size:	n/a
Created by:	n/a
Pointed to by:	n/a
Serialization:	None

SJKEY Heading Information

Function: Provides keys for SJF defined JCL keywords

SJKEY mapping

Table 143. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

```
  START OF SPECIFICATIONS
    MACRO NAME = IEFSJKEY
    DESCRIPTIVE NAME = Scheduler JCL Facility (SJF) Key
                       Constants
01 PROPRIETARY STATEMENT=
  PROPRIETARY_STATEMENT
     LICENSED MATERIALS - PROPERTY OF IBM
     5650-ZOS COPYRIGHT IBM CORP. 1987, 2015
    STATUS= HBB77A0
  END_OF_PROPRIETARY_STATEMENT
    FUNCTION = Provides keys for SJF defined JCL keywords
    MODULE TYPE = MACRO
    DSECT NAME = n/a
    ACRONYM = n/a
      OFFSET = n/a
      LENGTH = n/a
    COMPONENT = Scheduler JCL Facility (BB131)
01 EXTERNAL CLASSIFICATION:
02 NOTPI: BASE
02 PI: FIELDS
          SJKYJBYT SJKYJCRD SJKYJPAG SJKYJLIN
          SJKYACDE SJKYOUTP SJKYCNTL SJKYSTCL
          SJKYMGCL SJKYDACL SJKYRECO SJKYKEYO
          SJKYREFD SJKYSECM SJKYLIKE SJKYAVGR
          SJKYDSNT SJKYSPIN SJKYSEGM SJKYPATH
          SJKYPOPT SJKYPMDE SJKYPNDS SJKYRLS
          SJKYFDAT SJKYJENV
01 END OF EXTERNAL CLASSIFICATION
 EYE CATCHER = n/a
 Storage Attributes =
      Virtual Storage = included in module's dynamic area
 Size = n/a
 CREATED BY = n/a
 POINTED TO BY = n/a
 SERIALIZATION = None
    INVOCATION =
        PL/S - %INCLUDE SYSLIB(IEFSJKEY)
               For modules which do not have dynamic areas,
               add the following lines above the INCLUDE:
                 %DCL SJKEYCON Char Ext<semi>
                 %IF SJKEYCON = 'YES'<semi>
        BAL - IEFSJKEY
               The literals can be used as shown below:
               MVC SJACKEY,=AL2(SJKYACDE)
    NOTES =
               This macro provides the constants for the SJF
               keys used as input to the SJF Access
               function. It also defines bytes for
               retrieving/updating individual bits. It
               invokes IEFSJDKY, which defines the new
               SJF keys corresponding to JCL keywords on the
               DD statement.
        Any new JCL keywords defined to the DD statement
        should be defined in IEFSJDKY, in order to allow the
```

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					caller of Dynamic Allocation to include these keys. This macro will invoke IEFSJDKY. The key constants generate PLS constants or BAL equates for literals. Care should be taken when updating bit items, the bits passed into Access are treated as a MASK, ie. the bits which are ON will be used to determine which bits to change. When used in conjuction with the parameter number it will allow either turning on or turning off the bit values. Therefore it is not always sufficient to take the retrieved field and pass it back to Access to update that field. Unused keys should be reused when adding new keys. NAMING CONVENTIONS: CHOICE DATA VALUES are qualified as follows: SJVLxxxx The value retrieved from the SJF Access function should be compared with the value in these fields. BYTMASK VALUES are qualified as follows: SJBYxxxx This can be used as a place to retrieve the byte from the SJF Access function. SJBIxxxx This can be used for comparison with the byte retrieved by the SJF Access function. In the PLAS mapping, if the field qualified by 'SJBY' is used to retrieve the byte, then the fields qualified by 'SJBI' automatically map the bits within that byte. Classification notes: The keys that are externalized are those SJF JDT defined keys from IEFJDT05(JOB) and IEFJDT02(DD) that can be specified on JCL and appear in CI Text. Any keys added to IEFSJDKY need to be considered for the PSPI list in this macro. CHANGE ACTIVITY = (SEE BELOW) $L0= SMSSTG2 JBB2223 860127 PDT4: STOR MGMT SUBSYS STG2 SUPT $L1= SMSSTG2 JBB2223 860324 PDT4: STOR MGMT SUBSYS STG2 SUPT

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
				$D1= DCR008 JBB2223 860929 PDN4: STOR MGMT SUBSYS STG2 SUPT	
				$P1= PC20127 JBB2223 870114 PDN4: PC20127	
				$D2= DCR0033 JBB2223 870225 PDN4: DCR 33	
				$D3= DCR0043 JBB2223 870522 PDN4: DCR 43	
				$D4= DCR0044 JBB2223 870522 PDN4: DCR 44	
				$P2= PC20307 JBB2223 870629 PDN4: PC20307	
				$D5= DCR0018 JBB3313 880809 PDY1: CNTL support	
				$L2= EMVS2 HBB4410 880905 PDKK: Enterprise II - ESI	
				$L3= APPC1 HBB4420 890421 PDKK: APPC	
				$D6= DP30013 HBB4420 890905 PDB3: DCR13, Account subfields	
				$P3= APPC1 HBB4420 890818 PDY1: PH30206	
				$L4= ATLIB HBB4430 911007 PDEV: Tape Library Support	
				$P2= PKB0249 HBB4430 911220 PDNN: SJKYSMS7 doubly defined	
				$P4= PKB0895 HBB4430 920506 PDCL: TENX Defect Elimination	
				$P5= PKB2990 HBB4430 920624 PDCL: Tape Library Support	
				$L5= ATLIB HBB4430 920617 PDCL: Tape Library Support	
				$01= OY54619 JBB2223 920815 PDCL: Expiration Date	
				$P6= PIG1424 HBB5510 930715 PDDZ: SHOWHDR compliance	
				$02= OY63723 HBB4430 930513 PDCL: Quoted Data Set Names	
				$L6= SDSHS HBB5520 930929 PDCL: VSAM RLS Support	
				$P7= PN70031 HBB5520 931203 PDCL: Miscellaneous	
				$L7= TMM JBB5522 940818 PDEV: TMM Fixup	
				$L8= TMM JBB5522 950105 PDEV: TMM Fixup	
				$L9= TMM JBB5522 950105 PDEV: TMM Fixup	
				$LA= UU JBB5522 950622 PDBN: xSAM access to HFS	
				$LB= WLMPRES JBB6604 970116 PDCG: Stephen McGrath SCHENV= Scheduling Environment keyword support	
				$03= OW23626 HBB4430 961015 PDLS: Stor Mgmt Subsys R140 Supt	
				$04= OW32524 JBB6607 980501 PDDH: Planform 1728/1780 Support	
				$LC= GT32K HBB7703 990831 PDNN: >32K Blocksize Support	
				$LD= UNAFF HBB7703 990831 PDNN: Unit Affinity for SMS Tape	
				$P8= PXD1020 HBB7703 000201 PDFD: Fix copyright	

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
				$05= OW44785 HBB7703 990731 PDOO:	Duplicate Volume Support for JES3
				$LE= TX00605 HBB7705 000929 PDOH:	JESLOG Keyword Support
				$LF= MEDIA HBB7708 010622 PDNN:	Media Type Limit
				$P9= PYN0236 HBB7708 020311 PDNN:	Correct duplicate field names
				$06= OW52928 HBB6608 020430 PDOO:	Add SJKYSPRC (key='8704')
				$LG= VENT3 HBB7730 050325 PDHV:	Enterprise Cartridge Tape 3 (d/t3592)
				$LH= TapeEnc HBB7740 060430 PDHV:	Tape Encryption (Ventana4) support (d/t3592)
				$PA= ME08486 HBB7740 070110 PDOO:	Fixed Copyright
				$07= OA22123 HBB7720 080401 PDQV:	Jaguar3 support
				$LI=BatchMod HBB7780 100630 PDHV:	Batch Modernization
				$LJ=DSNSHRDN HBB7790 110228 PDQV:	Dynamic ENQ downgrade support (ME21531)
				$LK= JCLSYMB HBB7790 110711 PDTY:	JCL Symbolics improvement Support EXPORT statement Feature ME22059
				$08= OA33959 HBB7760 110304 PDTY:	Jaguar4 support
				$PB= ME22420 HBB7790 110831 PDTY:	Roll-up OA33959 again
				$LL= JCLJECL HBB7790 121001 PDOO:	In support of Common JCL JES2 line item (LI3091) Feature: ME24771
				$09= OA41947 HBB7790 130430 PDHV:	Various symbolics fixes to support relocation - TRSQ
				$0A=OA42438 HBB7790 130808 PDOO:	Define UJOBCORR on JOB (TRSQ)
				$LM=ME23335 HBB77A0 131212 PDOO:	JCL support for TVSACMMT Line item: DFSMS Transactional VSAM Automatic Commit Support
				$LN=EXECCTL HBB77A0 140124 PDOO:	Job Execution Control - Support for the SCHEDULE statement Feature ME26868
				$PC=ME27261 HBB77A0 140310 PDOO:	SCHEDULE stmt updates
				$PD=ME27291 HBB77A0 140314 PDOO:	Fix ME27261 Change Act
				$0B= OA44361 HBB7780 140901 PDTA:	TS7700/HYDRA R32 In support of DFSMS OA44351
				$LO=REGIONX HBB77A0 150220 PDKK:	REGIONX support Feature ME28808

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
				$0C=OA47647 HBB77A0 150426 PDOO: SCHEDULE statement keyword changes (TRSQ)	
				END OF SPECIFICATIONS	
				A 000000-999999	
				A Declares for byte to retrieve EXPDT, and values for AVGREC and RECORG	
				D Key 8516 is unused now	
				A Key declares for STEPNAME, DATACLAS definition, UNIT Affinity indicator, Volume Count, DSCB TTR, SGDS indicator and Volume serial number count.	
				A Choice value for the GENERIC option of the SECMODEL key	
				A Byte mapping for the NORMAL and ABNORMAL termination parameters of the DISP keyword	
				D Key declares for FCB ID, UCS ID, BURST, COPIES, CHARS, FLASH, and MODIFY	
				A Key declare for UNIT Count field	
				A Key declare for PROTECT field - reuse '850E' key value	
				A Key declares for GDG indicator and relative generation number - reuse '8515' and '8516' key values	
				D Remove declares for DD keywords needed by the caller of SVC 99 (Dynamic Allocation). These are now defined in IEFSJDKY. This macro will instead do an include for IEFSJDKY to obtain these key values	
				C Change IEFSJDKY invocation. IEFSJDKY is now an executable macro	
				D Removed CNTL and put it in IEFSJDKY	
				A Key declare for default unit indicator	
				A Added support for ZSEGID Keyword	
				A Add SJVLISU,SJVLPSU,SJVLDAU & SJVLPOU to DSORG('8507')	
				A Added equates for JOB keywords: BYTES, CARDS, PAGES, LINES	
				A Added support for access to sub fields of Job/Step ACCNT	
				C Fixed equates for JOB keywords: BYTES, CARDS, PAGES, LINES	
				A Added parameter for dynamic allocation default unit	
				A Added support for the Label Type, File Sequence number, SMS managed mountable, Compation, Density and ZDEVPOOL	
				C Changed SJKYSMS7 to SJBYSMS7 for the byte definition.	

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					A Added JOB key SJKYMSGC for msgclass. C Corrected constant for SJBILTM parameter on LABEL keyword C Changed PLAS declares SJBICOMP and SJBINCMP to constants A Added support for TDSI information A Added support for IN/OUT indicator on LABEL keyword A Added retention period key for SMS to use for updating an expiration date (JFCBXPDT) that was derived from a retention period C Changed prolog to be SHOWHDR compliant A Added second paramter SJKYDSNM for SMS to use to retrieve quoted data set name indicator (SIOTDSQU) from SIOT. In support of DF/SMS apar OY63717. Corresponding Interpreter and Dynamic Allocation apars are OY63724 and OY63722. A Added CDPI classification RLS key (defined in IEFSJDKY) C Changed declare for SJBISYSO to an equate. Corrected declare for SJVL36TK. A Added support for SIOTRESL field. A Added support for SIOTCLRV flag. If this flag is ON, it indicates that Allocation is to clear the volsers from the JFCB/JFCBXs associated with this SIOT. This indicator is set by SMS via SJF. D Remove support for SIOTCLRV flag. C Added CDPI classification for FILEDATA key (defined in IEFSJDKY). A Added support for SCHENV keyword. A Added new SMS DATACLAS definition field A Added support for CCSID and RLSTMOUT keyword. A Added support for >=32K Blocksize keyword. Added a new key (SJKYBLKS (x'852E') to allow SMS to retrieve blocksize information. A Added support for Unit Affinity for SMS Tape. Added new key SJKYSMS2 (x'8021') to be used by SMS to retrieve LIBRARY information about a DD. Also, added new key SJKYUNAF (X'852F') to allow SMS to retrieve the DD token for the affed DD.

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		C Fixed the copyright/program number statements.			
		A Added support for SMS to manage a bit in the SIOT to indicate to JES3 that the volume is duplicate of a volume in a managed library, but this one is not managed, and not in the library. New key SJKYSMSV (x'8530') to be used by SMS to update the new SIOTDUPV bit accordingly.			
		A Added support for JESLOG keyword.			
		A Added new keyword SJKYTDS2 (x'8531') to be used by SMS to set and retrieve TDSI information in the SIOTX. SMS will continue to use SJKYTDSI to set and retrieve TDSI information in the JFCB until further notice to maintain compability with lower levels of JES3.			
		C Correct duplicate field name SJBYCOMP to SJBYCMP			
		A Added SJKYSPRC (key='8704') to be able to retrieve the proc name for started tasks from the JCTX.			
		A Add more recording technologies and media type for d/t 3592 set of devices (Ventana/Jaguar)			
		A Add new recording technologies for d/t 3592 (Jaguar3)			
		A Add JOBRC key constants and add macro logic to suppress variable definitions that require storage to avoid errors in modules without dynamic areas.			
		A Added SJKYDSES ('8707'X) for DSENQSHR keyword along with values SJVJDSED ('20'X) for DISALLOW, SJVJDSEU ('40'X) for USEJC, and SJVJDSEA ('80'X) for ALLOW.			
		A Add new keys for EXPORT verb, SYMLIST and EXPSET			
		A Add new recording technologies and media types for d/t 3592 set of devices (Jaguar4). Reship for missing cost factors.			
		A Roll-up OA33959 changes again to cover the code changes missed earlier but shipped with the APAR.			
		A Add SYSTEM and SYSAFF keys for the JOB verb.			
		A Add more keys for EXPORT verb, XSTP and XTYP			
		A Add UJOBCORR for the JOB verb.			
		A Add SJKYTVSM and SJKYTVSX for TVSAMCOM minimum and maximum values.			
		A Add definitions for the SCHEDULE keys			
		C Corrected typographical error in the description of SJKYHLDT.			
		C Corrected syntax error in the $PC Change Activity line			
		A Declare SJKYPOL2 key.			
		A Add definitions for the REGIONX keys for JOB and EXEC			
		C Defined reserved keys.			
		%GOTO SJKYPLS;			
		KEY CONSTANTS FOR SJF ACCESS			
		KEY CONSTANTS FOR 'DD'			
0	(0)	SIGNED	4	SJKY(0)	
0	(0)	CHARACTER	8	SJVBDD	
0	(0)	BITSTRING	0	SJKYACDE	"X'8001'" ACCODE
0	(0)	BITSTRING	0	SJKYOUTP	"X'8002'" OUTPUT 20
		Include new DD keys needed by SVC 99 callers			
		SJF DD ALLOCATION KEYS			
0	(0)	BITSTRING	0	SJKYCNTL	"X'8003'" CNTL
0	(0)	BITSTRING	0	SJKYSTCL	"X'8004'" STORCLAS
0	(0)	BITSTRING	0	SJKYMGCL	"X'8005'" MGMTCLAS
0	(0)	BITSTRING	0	SJKYDACL	"X'8006'" DATACLAS
0	(0)	BITSTRING	0	SJKYRECO	"X'800B'" RECORG
		Values for RECORG keyword			

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		SJVLROKS	"X'80'" KS - Key sequence
		.1..		SJVLROES	"X'40'" ES - Entry sequence
		..1.		SJVLRORR	"X'20'" RR - Relative record
		...1		SJVLROLS	"X'10'" LS - Linear space
0	(0)	BITSTRING	0	SJKYKEYO	"X'800C'" KEYOFF
0	(0)	BITSTRING	0	SJKYREFD	"X'800D'" REFDD
0	(0)	BITSTRING	0	SJKYSECM	"X'800E'" SECMODEL
Value for GENERIC option of SECMODEL (parameter #2)					
		1...		SJVLGENR	"X'80'" Generic option
0	(0)	BITSTRING	0	SJKYLIKE	"X'800F'" LIKE
0	(0)	BITSTRING	0	SJKYAVGR	"X'8010'" AVGREC
Values for AVGREC keyword					
		1...		SJVLARUN	"X'80'" U - units (ie times 1)
		.1..		SJVLARKI	"X'40'" K - kilo (ie times 1000)
		..1.		SJVLARME	"X'20'" M - Mega (ie times 1 million)
0	(0)	BITSTRING	0	SJKYDSNT	"X'8012'" DSNTYPE
Values for DSNTYPE keyword					
		1...		SJVLDTLI	"X'80'" LIBRARY
		.1..		SJVLDTPD	"X'40'" PDS
		..1.		SJVLPIPE	"X'20'" PIPE
		...1		SJVLHFSI	"X'10'" HFS
		.... 1...		SJVLEXR	"X'08'" EXTREQ
		.... .1..		SJVLEXP	"X'04'" EXTPREF
		.... ..1.		SJVLBASC	"X'02'" BASIC
		1		SJVLLARG	"X'01'" LARGE
0	(0)	BITSTRING	0	SJKYSPIN	"X'8013'" SPIN
Values for SPIN keyword					
		1...		SJVLSPUN	"X'80'" UNALLOC
		.1..		SJVLSPNO	"X'40'" NO
0	(0)	BITSTRING	0	SJKYSEGM	"X'8014'" SEGMENT
0	(0)	BITSTRING	0	SJKYPATH	"X'8017'" PATH
0	(0)	BITSTRING	0	SJKYPOPT	"X'8018'" PATHOPTS
Values for PATHOPTS keyword					
0	(0)	BITSTRING	0	SJVLSYNC	"X'00000100'" OSYNC
		11..		SJVLCEXL	"X'000000C0'" OCREXCL
		1...		SJVLCREA	"X'00000080'" OCREAT
		.1..		SJVLEXCL	"X'00000040'" OEXCL
		..1.		SJVLNOCT	"X'00000020'" ONOCTTY
		...1		SJVLTRUN	"X'00000010'" OTRUNC
		.... 1...		SJVLAPPE	"X'00000008'" OAPPEND
		.... .1..		SJVLNBLK	"X'00000004'" ONONBLOCK
		11		SJVLRDWR	"X'00000003'" ORDWR
		.... ..1.		SJVLRDON	"X'00000002'" ORDONLY
		1		SJVLWDON	"X'00000001'" OWRONLY
0	(0)	BITSTRING	0	SJKYPMDE	"X'8019'" PATHMODE
Values for PATHMODE keyword					

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	BITSTRING	0	SJVLSUID	"X'00000800'" SISUID
0	(0)	BITSTRING	0	SJVLSGID	"X'00000400'" SISGID
0	(0)	BITSTRING	0	SJVLRUSR	"X'00000100'" SIRUSR
		1...		SJVLWUSR	"X'00000080'" SIWUSR
		.1..		SJVLXUSR	"X'00000040'" SIXUSR
0	(0)	BITSTRING	0	SJVLRWXU	"X'000001C0'" SIRWXU
		..1.		SJVLRGRP	"X'00000020'" SIRGRP
		...1		SJVLWGRP	"X'00000010'" SIWGRP
		.... 1...		SJVLXGRP	"X'00000008'" SIXGRP
		..11 1...		SJVLRWXG	"X'00000038'" SIRWXG
		.... .1..		SJVLROTH	"X'00000004'" SIROTH
		.... ..1.		SJVLWOTH	"X'00000002'" SIWOTH
		1		SJVLXOTH	"X'00000001'" SIXOTH
		.... .111		SJVLRWXO	"X'00000007'" SIRWXO
0	(0)	BITSTRING	0	SJKYPNDS	"X'801A'" PATHDISP - Normal Disposition
0	(0)	BITSTRING	0	SJKYPCDS	"X'801B'" PATHDISP - Conditional Disposition
Values for PATHDISP keyword					
		.... 1...		SJVLKEEP	"X'08'" KEEP
		.... .1..		SJVLDELE	"X'04'" DELETE
0	(0)	BITSTRING	0	SJKYRLS	"X'801C'" RLS - Record Level Sharing
Values for RLS keyword					
		1...		SJVLNRI	"X'80'" NRI
		.1..		SJVLCR	"X'40'" CR
		..1.		SJVLCRE	"X'20'" CRE
0	(0)	BITSTRING	0	SJKYFDAT	"X'801D'" FILEDATA - file organization
Values for FILEDATA keyword					
		1...		SJVLBIN	"X'80'" BINARY
		.1..		SJVLTEXT	"X'40'" TEXT
		..1.		SJVLREC	"X'20'" RECORD
0	(0)	BITSTRING	0	SJKYLGST	"X'801F'" LGSTREAM
0	(0)	BITSTRING	0	SJKYDCCS	"X'8020'" CCSID
0	(0)	BITSTRING	0	SJKYBSLM	"X'8022'" BLKSZLIM
0	(0)	BITSTRING	0	SJKYKYL1	"X'8023'" KEYLABL1
0	(0)	BITSTRING	0	SJKYKYL2	"X'8024'" KEYLABL2
0	(0)	BITSTRING	0	SJKYKYC1	"X'8025'" KEYENCD1
Values for KEYENCD1 keyword					
		11.1 ..11		SJVLKE1L	"X'D3'" L - Label encoding
		11.. 1...		SJVLKE1H	"X'C8'" H - Hash encoding
0	(0)	BITSTRING	0	SJKYKYC2	"X'8026'" KEYENCD2
Values for KEYENCD2 keyword					
		11.1 ..11		SJVLKE2L	"X'D3'" L - Label encoding
		11.. 1...		SJVLKE2H	"X'C8'" H - Hash encoding
0	(0)	BITSTRING	0	SJKYEATT	"X'8028'" EATTR
Values for EATTR keyword					

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SJVLEATN	"X'01'" 0000 0001b - NO
		.... ..1.		SJVLEATO	"X'02'" 0000 0010b - OPT
0	(0)	BITSTRING	0	SJKYFRVL	"X'8029'" FREEVOL
Values for FREEVOL keyword					
		1		SJVLFRVE	"X'01'" 0000 0001b - END
		.... ..1.		SJVLFRVV	"X'02'" 0000 0010b - EOV
0	(0)	BITSTRING	0	SJKYSPI2	"X'802A'" SPIN second parm, SPIN INTERVAL
0	(0)	BITSTRING	0	SJKYSYML	"X'802B'" SYMLIST ON DD
0	(0)	BITSTRING	0	SJKYDSNV	"X'802C'" DSNTYPE version
0	(0)	BITSTRING	0	SJKYMAXG	"X'802D'" MAXGENS
0	(0)	BITSTRING	0	SJKYGDGO	"X'802E'" GDGORDER - GDG-all concatenation order
Values for GDGORDER keyword					
		1...		SJVLGDGC	"X'80'" USECATLG
		.1..		SJVLGDGL	"X'40'" LIFO
		..1.		SJVLGDGF	"X'20'" FIFO
0	(0)	BITSTRING	0	SJKYRACF	"X'8007'" SMS RACF FIELD
0	(0)	BITSTRING	0	SJKYSMSD	"X'8008'" SMS DATA FIELD
0	(0)	BITSTRING	0	SJKYSTRG	"X'8009'" STORAGE GROUP
0	(0)	BITSTRING	0	SJKYDADM	"X'800A'" DAADM
0	(0)	BITSTRING	0	SJKYDCLD	"X'8011'" DATACLAS Definition
0	(0)	BITSTRING	0	SJKYZSEG	"X'8015'" ZSEGID
0	(0)	BITSTRING	0	SJKYPOOL	"X'8016'" ZDEVPOOL KEYWORD
0	(0)	BITSTRING	0	SJKYDCL2	"X'801E'" DATACLAS Definition II
0	(0)	BITSTRING	0	SJKYSMS2	"X'8021'" SMS DATA FIELD II
0	(0)	BITSTRING	0	SJKYDCL3	"X'8027'" DATACLAS Definition III
0	(0)	BITSTRING	0	SJKYPOL2	"X'802F'" ZDEVPOL2 KEYWORD
0	(0)	BITSTRING	0	SJKYSMSB	"X'8500'" SMS FLAG BYTE
8	(8)	BITSTRING	1	SJBYSMSB	Byte to retrieve SMS flags into
Bit masks for SMS flags field					
		1...		SJBISMSM	"X'80'" SMS MANAGED BIT ON INDICATOR
8	(8)	BITSTRING	0	SJKYVRDD	"X'8501'" VOL=REF=DDNAME
8	(8)	BITSTRING	0	SJKYVRDS	"X'8502'" VOL=REF=DSNAME
8	(8)	BITSTRING	0	SJKYDDNM	"X'8503'" DDNAME
8	(8)	BITSTRING	0	SJKYVSRN	"X'8504'" VOL=SER=
8	(8)	BITSTRING	0	SJKYSPAC	"X'8505'" SPACE
Values for first parameter of SPACE field					
		11..		SJVLCYL	"X'C0'" Request for Cylinders
		1...		SJVLTRK	"X'80'" Request for Tracks
		.1..		SJVLAVR	"X'40'" Request for Average Block length
		..1.		SJVLMSGP	"X'20'" Request for MSVGP
		.... 1...		SJVLCONT	"X'08'" Request for Contiguous
		.... .1..		SJVLMXIG	"X'04'" Request for MXIG
		.... ..1.		SJVLALX	"X'02'" Request for ALX
		1		SJVLRND	"X'01'" Request for Round

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
	....			SJVLABS	"X'00'" Request for ABSTR
9	(9)	BITSTRING	1	SJBYSPC5	Byte to retrieve RLSE value into
Bit masks for fifth parameter of SPACE (RLSE) field					
	11..			SJBIRLSE	"X'C0'" Release specified
9	(9)	BITSTRING	0	SJKYMSVG	"X'8506'" MSVGP
9	(9)	BITSTRING	0	SJKYDSRG	"X'8507'" DSORG
Values for first parameter of DSORG field					
	1...			SJVLIS	"X'80'" Indexed Sequential
	.1..			SJVLPS	"X'40'" Physical Sequential
	..1.			SJVLDA	"X'20'" Direct Access
	...1			SJVLBQ	"X'10'" BTAM or QTAM line group
	.... 1...			SJVLQD	"X'08'" QTAM Direct Access Queue
	.... .1..			SJVLQP	"X'04'" QTAM problem prog. Queue
	.... ..1.			SJVLPO	"X'02'" Partitioned
	1			SJVLPU	"X'01'" Unmovable
	1... ...1			SJVLISU	"X'81'" Index Sequential Unmovable
	.1.. ...1			SJVLPSU	"X'41'" Physical Sequential Unmovable
	..1. ...1			SJVLDAU	"X'21'" Direct Access Unmovable
	11			SJVLPOU	"X'03'" Partitioned Unmovable
Values for the second parameter of DSORG field					
	1...			SJVLGS	"X'80'" Graphics
	.1..			SJVLTL	"X'40'" TCAM line group
	..1.			SJVLTM	"X'20'" TCAM message queue
	.... 1...			SJVLVS	"X'08'" VSAM
	.... .1..			SJVLTR	"X'04'" TCAM 3705
9	(9)	BITSTRING	0	SJKYDISP	"X'8508'" DISP
10	(A)	BITSTRING	1	SJBYDISP	Byte to retrieve the Status value into
Bit masks for DISP-Status field					
	.... .1..			SJBINEW	"X'04'" NEW
	.... ..1.			SJBIMOD	"X'02'" MOD
	1			SJBIOLD	"X'01'" OLD
11	(B)	BITSTRING	1	SJBYDSP2	Byte to retrieve the normal termination parameter into
Bit masks for DISP-Normal termination field					
	...1			SJBIPASS	"X'10'" PASS
	.... 1...			SJBIKEEP	"X'08'" KEEP
	.... .1..			SJBIDELT	"X'04'" DELETE
	.... ..1.			SJBICATL	"X'02'" CATLG
	1			SJBIUCTL	"X'01'" UNCATLG
12	(C)	BITSTRING	1	SJBYDSP3	Byte to retrieve the abnormal termination parameter into
Bit masks for DISP-Abnormal termination field					
	.... 1...			SJBIKEPA	"X'08'" KEEP
	.... .1..			SJBIDELA	"X'04'" DELETE
	.... ..1.			SJBICATA	"X'02'" CATLG

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SJBIUCTA	"X'01'" UNCATLG
12	(C)	BITSTRING	0	SJKYDSNM	"X'8509'" DSNAME
Bit masks for quoted data set name indicator (second parameter)					
13	(D)	BITSTRING	1	SJBYDSQU	Byte to retrieve quoted DSNAME indicator
		.... .1..		SJBIDSQU	"X'04'" If this bit is on, then DSNAME was specified in quotes
13	(D)	BITSTRING	0	SJKYDUMY	"X'850A'" DUMMY
14	(E)	BITSTRING	1	SJBYDUMY	Byte to retrieve the DUMMY indicator
Bit masks for DUMMY field					
		1...		SJBIDUMY	"X'80'" Dummy
14	(E)	BITSTRING	0	SJKYDSID	"X'850B'" DSID
15	(F)	BITSTRING	1	SJBYDSID	Byte to retrieve the DSID into
Bit masks for DSID field					
		.... 1...		SJBIDSID	"X'08'" DSID
15	(F)	BITSTRING	0	SJKYUNIT	"X'850C'" UNIT
15	(F)	BITSTRING	0	SJKYSYSI	"X'850D'" SYSIN INDICATOR
16	(10)	BITSTRING	1	SJBYSYSI	Byte to retrieve the SYSIN indicator
Bit masks for SYSIN field					
		.1..		SJBISYSI	"X'40'" SYSIN indicator
16	(10)	BITSTRING	0	SJKYPROT	"X'850E'" PROTECT field
17	(11)	BITSTRING	1	SJBYPROT	Byte to retrieve PROTECT field
Bit masks for PROTECT field					
		1...		SJBIPROT	"X'80'" PROTECT=YES indicator
17	(11)	BITSTRING	0	SJKYDFUB	"X'850F'" Default unit indicator
18	(12)	BITSTRING	1	SJBYDFUB	Byte to retrieve default unit indicator
Bit mask for default unit indicator					
		...1		SJBIDFUM	"X'10'"
		.... 1...		SJBIDDFU	"X'08'" Dynamic allocation default unit indicator
18	(12)	BITSTRING	0	SJKYSYSO	"X'8510'" SYSOUT INDICATOR
19	(13)	BITSTRING	1	SJBYSYSO	Byte to retrieve the SYSOUT indicator
Bit masks for SYSOUT field					
		.... 1...		SJBISYSO	"X'08'" SYSOUT indicator
19	(13)	BITSTRING	0	SJKYSMS7	"X'8511'" SMS managed mountable indicator
20	(14)	BITSTRING	1	SJBYSMS7	Byte for SMS mountable flag
Bit masks for the SMS managed mountable flag					
		1		SJBISMS7	"X'01'" SMS managed mountable indicator
20	(14)	BITSTRING	0	SJKYTERM	"X'8512'" TERM INDICATOR

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
21	(15)	BITSTRING	1	SJBYTERM	Byte to retrieve the TERM indicator
Bit masks for TERM field					
	.1..			SJBITERM	"X'40'" TERM indicator
21	(15)	BITSTRING	0	SJKYSUBS	"X'8513'" SUBSYS
22	(16)	BITSTRING	1	SJBYSUBS	Byte to retrieve the SUBSYS indicator
Bit masks for SUBSYS field					
	1...			SJBISUBS	"X'80'" SUBSYS indicator
22	(16)	BITSTRING	0	SJKYQNME	"X'8514'" QNAME
23	(17)	BITSTRING	1	SJBYQNME	Byte to retrieve the QNAME indicator
Bit masks for QNAME field					
	1			SJBIQNME	"X'01'" QNAME indicator
23	(17)	BITSTRING	0	SJKYGDG	"X'8515'" GDG
Bit masks for GDG field					
	.... ..1.			SJBIGDG	"X'02'" GDG indicator
23	(17)	BITSTRING	0	SJKYELNM	"X'8516'" ELEMENT NAME/RELATIVE GDG NUMBER
23	(17)	BITSTRING	0	SJKYRKP	"X'8517'" RKP
23	(17)	BITSTRING	0	SJKYDSEQ	"X'8518'" Dataset Sequence Number
23	(17)	BITSTRING	0	SJKYLTYP	"X'8519'" LABEL Parameter
24	(18)	BITSTRING	1	SJBYLTYP	Byte to retrieve LABEL indicator
Bit masks for LABEL indicator					
	.1..			SJBIAL	"X'40'" AL
	.1.. 1...			SJBIAUL	"X'48'" AUL
	..1. ...1			SJBILTM	"X'21'" LTM
	...1			SJBIBLP	"X'10'" BLP
	.... 1.1.			SJBISUL	"X'0A'" SUL
	.... .1..			SJBINSL	"X'04'" NSL
	.... ..1.			SJBISL	"X'02'" SL
	1			SJBINL	"X'01'" NL
24	(18)	BITSTRING	0	SJKYOUTL	"X'851A'" OUTLIM
24	(18)	BITSTRING	0	SJKYDEN	"X'851B'" DENSITY
Choice values for the first DENSITY parameter.					
	11			SJVL200	"X'03'" 7 track 200 BPI
	.1.. ..11			SJVL556	"X'43'" 7 track 556 BPI
	1... ..11			SJVL800	"X'83'" 7 and 9 track 800 BPI
	11.. ..11			SJVL1600	"X'C3'" 9 track 1600 BPI
	11.1 ..11			SJVL6250	"X'D3'" 9 track 6250 BPI
24	(18)	BITSTRING	0	SJKYRECF	"X'851C'" RECFM
25	(19)	BITSTRING	1	SJBYRECF	Byte to retrieve the RECFM field
Bit masks for RECFM field					
	11..			SJBIUNDF	"X'C0'" Undefined format
	1...			SJBIFIXD	"X'80'" Fixed
	.1..			SJBIVARI	"X'40'" Variable

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		SJBIASCI	"X'20'" Variable/track overflow
		...1		SJBIBLOK	"X'10'" Blocked
		.... 1...		SJBISPAN	"X'08'" Standard/spanned
		.... .1..		SJBIASA	"X'04'" ASA Control Characters
		.... ..1.		SJBIMACH	"X'02'" Machine Control Characters
25	(19)	BITSTRING	0	SJKYLREL	"X'851D'" LRECL
25	(19)	BITSTRING	0	SJKYKEYL	"X'851E'" KEYLEN
25	(19)	BITSTRING	0	SJKYEXPD	"X'851F'" EXPDT
28	(1C)	SIGNED	4	(0)	Full word alignment
28	(1C)	CHARACTER	1		Align the fields correctly
29	(1D)	CHARACTER	3	SJBYEXPD(0)	3 Bytes to retrieve the EXPDT into
29	(1D)	CHARACTER	1	SJBYEXYY	Year offset from 1900
30	(1E)	CHARACTER	2	SJBYEXDD	Julian days (0-366)
30	(1E)	BITSTRING	0	SJKYTEMP	"X'8520'" TEMP
32	(20)	BITSTRING	1	SJBYTEMP	Byte to retrieve the TEMP indicator
Bit masks for TEMP keyword					
		1		SJBITEMP	"X'01'" TEMP indicator
32	(20)	BITSTRING	0	SJKYDCBR	"X'8521'" DCB=DSNAME
32	(20)	BITSTRING	0	SJKYVSCT	"X'8522'" VOLUME SERIAL COUNT
32	(20)	BITSTRING	0	SJKYVLC1	"X'8523'" VOLUME COUNT - SIOT
32	(20)	BITSTRING	0	SJKYVLC2	"X'8524'" VOLUME COUNT - JFCB
32	(20)	BITSTRING	0	SJKYUAFF	"X'8525'" UNIT=AFF
33	(21)	BITSTRING	1	SJBYDSAT	Dataset attributes byte
Bit mask for UNIT=AFF keyword					
		.... ..1.		SJBIUAFF	"X'02'" UNIT=AFF indicator
33	(21)	BITSTRING	0	SJKYDSCB	"X'8526'" DSCB TTR
33	(21)	BITSTRING	0	SJKYSGDS	"X'8527'" SGDS (system generated data set name) indicator
34	(22)	BITSTRING	1	SJBYSGDS	Byte to retrieve SDGS indicator
Bit masks for SGDS keyword					
		...1		SJBISGDS	"X'10'" SGDS indicator
34	(22)	BITSTRING	0	SJKYUNCT	"X'8528'" UNIT Count field
34	(22)	BITSTRING	0	SJKYCOMP	"X'8529'" COMPACTION indicator
35	(23)	BITSTRING	1	SJBYCOMP	Byte for COMPACTION indicator
Constants for TRTCH data. Only the values for compaction and non-compaction are supplied because these are the only values that SMS needs to check for and make updates for.					
		.... 1...		SJBICOMP	"X'08'" COMPACTION
		.... .1..		SJBINCMP	"X'04'" No COMPACTION
35	(23)	BITSTRING	0	SJKYTDSI	"X'852A'" TDSI Information (JFCB)
Constants for Track Recording Technique (first nibble JFCBTDSI)					
		1111		SJVLTRKR	"X'F0'" - Track recording technique

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		....		SJVLOREC	"X'00'" - Recording technology unknown or not specified
		...1		SJVL18TK	"X'10'" - 18 track recording mode - (hex value)
		..1.		SJVL36TK	"X'20'" - 36 track recording mode - (hex value)
		..11		SJVL128T	"X'30'" - 128 track recording mode - (hex value)
		.1..		SJVL256T	"X'40'" - 256 track recording mode - (hex value)
		.1.1		SJVL384T	"X'50'" - 384 track recording mode - (hex value)
		.11.		SJVLEFM1	"X'60'" - Enterprise Format 1 recording mode - (hex value)
		.111		SJVLEFM2	"X'70'" - Enterprise Format 2 recording mode - (hex value)
		1...		SJVLEEFM2	"X'80'" - Encrypted Enterprise Format 2 recording mode - (hex value)
		1..1		SJVLEFM3	"X'90'" - Enterprise Format 3 recording mode (hex value)
		1.1.		SJVLEEFM3	"X'A0'" - Encrypted Enterprise Format 3 recording mode - (hex value)
		1.11		SJVLEFM4	"X'B0'" - Enterprise Format 4 recording mode - (hex value)
		11..		SJVLEEFM4	"X'C0'" - Encrypted Enterprise Format 4 recording mode - (hex value)
Constants for Media Type (second nibble of JFCBTDSI)					
		 1111		SJVLMEDI	"X'0F'" - Media type
		....		SJVLOMED	"X'00'" - Media type unknown or not specified
		1		SJVLMED1	"X'01'" - Cartridge System Tape - (hex value)
		.... ..1.		SJVLMED2	"X'02'" - Enhanced Capacity Cartridge System Tape - (hex value)
		11		SJVLMED3	"X'03'" - High Performance Cartridge Tape - (hex value)
		.... .1..		SJVLMED4	"X'04'" - Extended High Performance Cartridge Tape - (hex value)
		.... .1.1		SJVLMED5	"X'05'" - Enterprise Cartridge Tape - (hex value)
		.... .11.		SJVLMED6	"X'06'" - Enterprise WORM Cartridge Tape - (hex value)
		.... .111		SJVLMED7	"X'07'" - Enterprise Economy Cartridge Tape - (hex value)
		.... 1...		SJVLMED8	"X'08'" - Enterprise Economy WORM Cartridge Tape - (hex value)
		.... 1..1		SJVLMED9	"X'09'" - Enterprise Extended Cartridge Tape - (hex value)

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1.1.		SJVLME10	"X'0A'" - Enterprise Extended WORM Cartridge Tape - (hex value)
		.... 1.11		SJVLME11	"X'0B'" - Enterprise Advanced Cartridge Tape - (hex value)
		.... 11..		SJVLME12	"X'0C'" - Enterprise Advanced WORM Cartridge Tape - (hex value)
		.... 11.1		SJVLME13	"X'0D'" - Enterprise Advanced Economy Cartridge Tape - (hex value)
Constants for Compaction Type (third nibble of JFCBTDSI)					
		1111		SJVLCMPT	"X'F0'" - Compaction type
		....		SJVLMPNS	"X'00'" - Compaction type unknown or not specified
		...1		SJVLNOCP	"X'10'" - Compaction not used - (hex value)
		..1.		SJVLIDRC	"X'20'" - Compaction type=IDRC - (hex value)
Constants for Special Attributes (fourth nibble of JFCBTDSI)					
		 1111		SJVLSPEC	"X'0F'" - Special attributes
		....		SJVLOSPC	"X'00'" - Volume has no special attributes
		1		SJVLDCOM	"X'01'" - Read compatibility attribute. When set, it indicates that the volumes will be used for input only and read compatible devices can be added to the device eligibility - (hex value)
35	(23)	BITSTRING	0	SJKYAIND	"X'852B'" IN/OUT Indicator on LABEL keyword
36	(24)	BITSTRING	1	SJBYAIND	Byte to retrieve IN/OUT data into
Bit masks for IN/OUT indicator					
		1...		SJBIINSP	"X'80'" If this bit is on, then IN was specified
		.1..		SJBIOUTS	"X'40'" If this bit is on, then OUT was specified
36	(24)	BITSTRING	0	SJKYRETP	"X'852C'" Expiration date derived from retention period
36	(24)	BITSTRING	0	SJKYRESL	"X'852D'" SMS VOLREF "to be resolved" flag
37	(25)	BITSTRING	1	SJBYRESL	Byte for SMS to be resolved flag
Bit masks for the SMS to be resolved flag					
		.... .1..		SJBIRESL	"X'04'" SMS VOLREF to be resolved
37	(25)	BITSTRING	0	SJKYBLKS	"X'852E'" Blocksize (from SIOTX)
Doubleword to retrieve Blocksize from SIOTX into					
38	(26)	BITSTRING	8	SJBYBLKS	Blocksize field from SIOTX

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
38	(26)	BITSTRING	0	SJKYUNAF	"X'852F'" Affed-to DD token (UNIT=AFF=DDx)
38	(26)	BITSTRING	0	SJKYSMSV	"X'8530'" Duplicate volume bit in SIOT
Bit mask for Duplicate Volume indicator for JES3					
46	(2E)	BITSTRING	1	SJBYDUPV	Byte for Duplicate Volume bit
		.... ..1.		SJBIDUPV	"X'02'" Duplicate volume indicator
46	(2E)	BITSTRING	0	SJKYTDS2	"X'8531'" TDSI Information (SIOTX)
Constants for Track Recording Technique (first byte of TDSI within the SIOTX_TDSI)					
46	(2E)	X'0'	0	SJBYOREC	"0" Recording Technology Unknown or Unspecified
46	(2E)	X'1'	0	SJBY18TK	"1" Read/Write on 18-track device
46	(2E)	X'2'	0	SJBY36TK	"2" Read/Write on 36-track device
46	(2E)	X'3'	0	SJBY128T	"3" Read/Write on 128-track device
46	(2E)	X'4'	0	SJBY256T	"4" Read/Write on 256-track device
46	(2E)	X'5'	0	SJBY384T	"5" 384 track recording mode
46	(2E)	X'6'	0	SJBYEFM1	"6" Enterprise Format 1 recording mode
46	(2E)	X'7'	0	SJBYEFM2	"7" Enterprise Format 2 recording mode
46	(2E)	X'8'	0	SJBYEEFM2	"8" Encrypted Enterprise Format 2 recording mode
46	(2E)	X'9'	0	SJBYEFM3	"9" Enterprise Format 3 recording mode
46	(2E)	X'A'	0	SJBYEEFM3	"10" Encrypted Enterprise Format 3 recording mode
46	(2E)	X'B'	0	SJBYEFM4	"11" Enterprise Format 4 recording mode
46	(2E)	X'C'	0	SJBYEEFM4	"12" Encrypted Enterprise Format 4 recording mode
Constants for Media Type (second byte of SIOTX_TDSI)					
46	(2E)	X'0'	0	SJBYOMED	"0" Media Type Unknown or Unspecified
46	(2E)	X'1'	0	SJBYMED1	"1" Media1 - Cartridge System Tape
46	(2E)	X'2'	0	SJBYMED2	"2" Media2 - Enhanced Capacity Cartridge System Tape
46	(2E)	X'3'	0	SJBYMED3	"3" Media3 - High Performance Cartridge Tape
46	(2E)	X'4'	0	SJBYMED4	"4" Media4 - Extended High Performance Cartridge Tape
46	(2E)	X'5'	0	SJBYMED5	"5" Media5 - Enterprise Cartridge Tape
46	(2E)	X'6'	0	SJBYMED6	"6" Media6 - Enterprise WORM Cartridge Tape

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
46	(2E)	X'7'	0	SJBYMED7	"7" Media7 - Enterprise Economy Cartridge Tape
46	(2E)	X'8'	0	SJBYMED8	"8" Media8 - Enterprise Economy WORM Cartridge Tape
46	(2E)	X'9'	0	SJBYMED9	"9" Media9 - Enterprise Extended Cartridge Tape
46	(2E)	X'A'	0	SJBYME10	"10" Media10 - Enterprise Extended WORM Cartridge Tape
46	(2E)	X'B'	0	SJBYME11	"11" Media11 - Enterprise Advanced Cartridge Tape
46	(2E)	X'C'	0	SJBYME12	"12" Media12 - Enterprise Advanced WORM Cartridge Tape
46	(2E)	X'D'	0	SJBYME13	"13" Media13 - Enterprise Advanced Economy Cartridge Tape
Constants for Compaction Type (third byte of SIOTX_TDSI)					
46	(2E)	X'0'	0	SJBYMPNS	"0" Compaction Unknown or not set
46	(2E)	X'1'	0	SJBYNOCP	"1" No compaction
46	(2E)	X'2'	0	SJBYCMP	"2" Compaction
Constants for Special Attributes (fourth byte of SIOTX_TDSI)					
46	(2E)	X'0'	0	SJBYOSPC	"0" Volume has no special attribute
46	(2E)	X'1'	0	SJBYDCOM	"1" Volume will be mounted for read only - All read-compatible devices may be selected
KEY CONSTANTS FOR 'EXEC'					
47	(2F)	CHARACTER	8	SJVBEXEC	
47	(2F)	BITSTRING	0	SJKYPGMN	"X'8900'" PROGRAM NAME
47	(2F)	BITSTRING	0	SJKYSACT	"X'8901'" STEP ACCOUNTING
47	(2F)	BITSTRING	0	SJKYSTPN	"X'8902'" STEPNAME
47	(2F)	BITSTRING	0	SJKYSACS	"X'8903'" STEP ACCOUNTING SUB PARAMETERS
		1		SJKYSCCS	"X'0001'" STEP CCSID
		.... ..1.		SJKYSRTO	"X'0002'" STEP RLSTMOUT
		.... .1..		SJKYTVSM	"X'0004'" TVSAMCOM minimum value
		.... .1.1		SJKYTVSX	"X'0005'" TVSAMCOM maximum value
47	(2F)	BITSTRING	0	SJKYERX1	"X'8904'" STEP REGIONX storage below 16MB
47	(2F)	BITSTRING	0	SJKYERX2	"X'8905'" STEP REGIONX storage above 16MB
47	(2F)	BITSTRING	0	SJKYERXO	"X'8906'" STEP REGIONX override
KEY CONSTANTS FOR 'EXPORT'					
55	(37)	CHARACTER	8	SJVBXPRT	
55	(37)	BITSTRING	0	SJKYEXPL	"X'8800'" EXPORT SYMLIST
55	(37)	BITSTRING	0	SJKYEXPS	"X'8801'" EXPORT EXPSET
55	(37)	BITSTRING	0	SJKYXSTP	"X'8802'" EXPORT XSTP
55	(37)	BITSTRING	0	SJKYXTYP	"X'8803'" EXPORT XTYP
KEY CONSTANTS FOR 'JOB'					
63	(3F)	CHARACTER	8	SJVBJOB	

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
63	(3F)	BITSTRING	0	SJKYJNME	"X'8700'" JOBNAME
63	(3F)	BITSTRING	0	SJKYJACT	"X'8701'" JOB ACCOUNTING
63	(3F)	BITSTRING	0	SJKYJACS	"X'8702'" JOB ACCOUNTING SUB PARAMETERS
		.... ..1.		SJKYJBYT	"X'0002'" BYTES (Max Count)
		11		SJKYJBY2	"X'0003'" BYTES (Disposition)
		.... .1..		SJKYJCRD	"X'0004'" CARDS (Max Count)
		.... .1.1		SJKYJCR2	"X'0005'" CARDS (Disposition)
		.... .11.		SJKYJPAG	"X'0006'" PAGES (Max Count)
		.... .111		SJKYJPA2	"X'0007'" PAGES (Disposition)
		.... 1...		SJKYJLIN	"X'0008'" LINES (Max Count)
		.... 1..1		SJKYJLI2	"X'0009'" LINES (Disposition)
		.... 1.1.		SJKYJENV	"X'000A'" SCHENV
		.... 1.11		SJKYJCCS	"X'000B'" JOB CCSID
		.... 11..		SJKYJJLG	"X'000C'" JESLOG (Disposition)
		.... 11.1		SJKYJJL2	"X'000D'" JESLOG (Frequency)
Values for JESLOG disposition					
		...1		SJVJSPIN	"X'10'" SPIN
		..1.		SJVJSUPP	"X'20'" SUPPRESS
		.1..		SJVJNOSP	"X'40'" NOSPIN
Values for BYTES, CARDS, PAGES and LINES disposition					
		...1		SJVLCANC	"X'10'" CANCEL
		..1.		SJVLDUMP	"X'20'" DUMP
		.1..		SJVLWARN	"X'40'" WARNING
63	(3F)	BITSTRING	0	SJKYMSGC	"X'8703'" Job Msgclass Information
63	(3F)	BITSTRING	0	SJKYSPRC	"X'8704'" Proc name for started task when JOBNAME= was used. Otherwise zeroes
63	(3F)	BITSTRING	0	SJKYJJRC	"X'8705'" JOBRC (method)
Values for JOBRC setting					
		.1..		SJVJJMRC	"X'40'" MAXRC
		..1.		SJVJJLRC	"X'20'" LASTRC
		...1		SJVJJSRC	"X'10'" STEP (see SJKYJJR2 for stepname)
63	(3F)	BITSTRING	0	SJKYJJR2	"X'8706'" JOBRC (stepname when JOBRC=STEP)
63	(3F)	BITSTRING	0	SJKYDSES	"X'8707'" DSENQSHR keyword
		1...		SJVJDSEA	"X'80'" ALLOW value for DSENQSHR
		.1..		SJVJDSEU	"X'40'" USEJC value for DSENQSHR
		..1.		SJVJDSED	"X'20'" DISALLOW value for DSENQSHR
63	(3F)	BITSTRING	0	SJKYJSYS	"X'8708'" SYSTEM keyword
63	(3F)	BITSTRING	0	SJKYJSYA	"X'8709'" SYSAFF keyword
63	(3F)	BITSTRING	0	SJKYJUJC	"X'870A'" UJOBCORR keyword
63	(3F)	BITSTRING	0	SJKYJRX1	"X'870B'" JOB REGIONX storage below 16MB
63	(3F)	BITSTRING	0	SJKYJRX2	"X'870C'" JOB REGIONX storage above 16MB
KEY CONSTANTS FOR 'SCHEDULE'					

Table 143. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
71	(47)	CHARACTER	8	SJVBSCHD	
71	(47)	BITSTRING	0	SJKYJGRP	"X'8600'" JOBGROUP
71	(47)	BITSTRING	0	SJKYBEFR	"X'8601'" Reserved
71	(47)	BITSTRING	0	SJKYAFTR	"X'8602'" Reserved
71	(47)	BITSTRING	0	SJKYWITH	"X'8603'" WITH
71	(47)	BITSTRING	0	SJKYHLDT	"X'8604'" HOLDUNTL time
71	(47)	BITSTRING	0	SJKYHLDD	"X'8605'" HOLDUNTL date
71	(47)	BITSTRING	0	SJKYSTBT	"X'8606'" STARTBY time
71	(47)	BITSTRING	0	SJKYSTBD	"X'8607'" STARTBY date

Table 144. Cross Reference for SJKEY

Name	Offset	Hex Tag
SJBIAL	18	40
SJBIASA	19	4
SJBIASCI	19	20
SJBIAUL	18	48
SJBIBLOK	19	10
SJBIBLP	18	10
SJBICATA	C	2
SJBICATL	B	2
SJBICOMP	23	8
SJBIDDFU	12	8
SJBIDELA	C	4
SJBIDELT	B	4
SJBIDFUM	12	10
SJBIDSID	F	8
SJBIDSQU	D	4
SJBIDUMY	E	80
SJBIDUPV	2E	2
SJBIFIXD	19	80
SJBIGDG	17	2
SJBIINSP	24	80
SJBIKEEP	B	8
SJBIKEPA	C	8
SJBILTM	18	21
SJBIMACH	19	2
SJBIMOD	A	2
SJBINCMP	23	4
SJBINEW	A	4
SJBINL	18	1
SJBINSL	18	4
SJBIOLD	A	1
SJBIOUTS	24	40
SJBIPASS	B	10
SJBIPROT	11	80
SJBIQNME	17	1
SJBIRESL	25	4
SJBIRLSE	9	C0

Table 144. Cross Reference for SJKEY (continued)

Name	Offset	Hex Tag
SJBISGDS	22	10
SJBISL	18	2
SJBISMSM	8	80
SJBISMS7	14	1
SJBISPAN	19	8
SJBISUBS	16	80
SJBISUL	18	A
SJBISYSI	10	40
SJBISYSO	13	8
SJBITEMP	20	1
SJBITERM	15	40
SJBIUAFF	21	2
SJBIUCTA	C	1
SJBIUCTL	B	1
SJBIUNDF	19	C0
SJBIVARI	19	40
SJBYAIND	24	
SJBYBLKS	26	
SJBYCMP	2E	2
SJBYCOMP	23	
SJBYDCOM	2E	1
SJBYDFUB	12	
SJBYDISP	A	
SJBYDSAT	21	
SJBYDSID	F	
SJBYDSP2	B	
SJBYDSP3	C	
SJBYDSQU	D	
SJBYDUMY	E	
SJBYDUPV	2E	
SJBYEEFM2	2E	8
SJBYEEFM3	2E	A
SJBYEEFM4	2E	C
SJBYEFM1	2E	6
SJBYEFM2	2E	7
SJBYEFM3	2E	9
SJBYEFM4	2E	B
SJBYEXDD	1E	
SJBYEXPD	1D	
SJBYEXYY	1D	
SJBYLTYP	18	
SJBYMED1	2E	1
SJBYMED2	2E	2
SJBYMED3	2E	3
SJBYMED4	2E	4
SJBYMED5	2E	5
SJBYMED6	2E	6
SJBYMED7	2E	7
SJBYMED8	2E	8

Table 144. Cross Reference for SJKEY (continued)

Name	Offset	Hex Tag
SJBYMED9	2E	9
SJBYME10	2E	A
SJBYME11	2E	B
SJBYME12	2E	C
SJBYME13	2E	D
SJBYMPNS	2E	0
SJBYNOCP	2E	1
SJBYOMED	2E	0
SJBYOREC	2E	0
SJBYOSPC	2E	0
SJBYPROT	11	
SJBYQNME	17	
SJBYRECF	19	
SJBYRESL	25	
SJBYSGDS	22	
SJBYSMSB	8	
SJBYSMS7	14	
SJBYSPC5	9	
SJBYSUBS	16	
SJBYSYSI	10	
SJBYSYSO	13	
SJBYTEMP	20	
SJBYTERM	15	
SJBY128T	2E	3
SJBY18TK	2E	1
SJBY256T	2E	4
SJBY36TK	2E	2
SJBY384T	2E	5
SJKY	0	
SJKYACDE	0	8001
SJKYAFTR	47	8602
SJKYAIND	23	852B
SJKYAVGR	0	8010
SJKYBEFR	47	8601
SJKYBLKS	25	852E
SJKYBSLM	0	8022
SJKYCNTL	0	8003
SJKYCOMP	22	8529
SJKYDACL	0	8006
SJKYDADM	0	800A
SJKYDCBR	20	8521
SJKYDCCS	0	8020
SJKYDCLD	0	8011
SJKYDCL2	0	801E
SJKYDCL3	0	8027
SJKYDDNM	8	8503
SJKYDEN	18	851B
SJKYDFUB	11	850F
SJKYDISP	9	8508

Table 144. Cross Reference for SJKEY (continued)

Name	Offset	Hex Tag
SJKYDSCB	21	8526
SJKYDSEQ	17	8518
SJKYDSES	3F	8707
SJKYDSID	E	850B
SJKYDSNM	C	8509
SJKYDSNT	0	8012
SJKYDSNV	0	802C
SJKYDSRG	9	8507
SJKYDUMY	D	850A
SJKYEATT	0	8028
SJKYELNM	17	8516
SJKYERXO	2F	8906
SJKYERX1	2F	8904
SJKYERX2	2F	8905
SJKYEXPD	19	851F
SJKYEXPL	37	8800
SJKYEXPS	37	8801
SJKYFDAT	0	801D
SJKYFRVL	0	8029
SJKYGDG	17	8515
SJKYGDGO	0	802E
SJKYHLDD	47	8605
SJKYHLDT	47	8604
SJKYJACS	3F	8702
SJKYJACT	3F	8701
SJKYJBYT	3F	2
SJKYJBY2	3F	3
SJKYJCCS	3F	B
SJKYJCRD	3F	4
SJKYJCR2	3F	5
SJKYJENV	3F	A
SJKYJGRP	47	8600
SJKYJJLG	3F	C
SJKYJJL2	3F	D
SJKYJJRC	3F	8705
SJKYJJR2	3F	8706
SJKYJLIN	3F	8
SJKYJLI2	3F	9
SJKYJNME	3F	8700
SJKYJPAG	3F	6
SJKYJPA2	3F	7
SJKYJRX1	3F	870B
SJKYJRX2	3F	870C
SJKYJSYA	3F	8709
SJKYJSYS	3F	8708
SJKYJUJC	3F	870A
SJKYKEYL	19	851E
SJKYKEYO	0	800C
SJKYKYC1	0	8025

Table 144. Cross Reference for SJKEY (continued)

Name	Offset	Hex Tag
SJKYKYC2	0	8026
SJKYKYL1	0	8023
SJKYKYL2	0	8024
SJKYLGST	0	801F
SJKYLIKE	0	800F
SJKYLREL	19	851D
SJKYLTYP	17	8519
SJKYMAXG	0	802D
SJKYMGCL	0	8005
SJKYMSGC	3F	8703
SJKYMSVG	9	8506
SJKYOUTL	18	851A
SJKYOUTP	0	8002
SJKYPATH	0	8017
SJKYPCDS	0	801B
SJKYPGMN	2F	8900
SJKYPMDE	0	8019
SJKYPNDS	0	801A
SJKYPOL2	0	802F
SJKYPOOL	0	8016
SJKYPOPT	0	8018
SJKYPROT	10	850E
SJKYQNME	16	8514
SJKYRACF	0	8007
SJKYRECF	18	851C
SJKYRECO	0	800B
SJKYREFD	0	800D
SJKYRESL	24	852D
SJKYRETP	24	852C
SJKYRKP	17	8517
SJKYRLS	0	801C
SJKYSACS	2F	8903
SJKYSACT	2F	8901
SJKYSCCS	2F	1
SJKYSECM	0	800E
SJKYSEGM	0	8014
SJKYSGDS	21	8527
SJKYSMSB	0	8500
SJKYSMSD	0	8008
SJKYSMSV	26	8530
SJKYSMS2	0	8021
SJKYSMS7	13	8511
SJKYSPAC	8	8505
SJKYSPIN	0	8013
SJKYSPI2	0	802A
SJKYSPRC	3F	8704
SJKYSRTO	2F	2
SJKYSTBD	47	8607
SJKYSTBT	47	8606

Table 144. Cross Reference for SJKEY (continued)

Name	Offset	Hex Tag
SJKYSTCL	0	8004
SJKYSTPN	2F	8902
SJKYSTRG	0	8009
SJKYSUBS	15	8513
SJKYSYML	0	802B
SJKYSYSI	F	850D
SJKYSYSO	12	8510
SJKYTDSI	23	852A
SJKYTDS2	2E	8531
SJKYTEMP	1E	8520
SJKYTERM	14	8512
SJKYTVSM	2F	4
SJKYTVSX	2F	5
SJKYUAFF	20	8525
SJKYUNAF	26	852F
SJKYUNCT	22	8528
SJKYUNIT	F	850C
SJKYVLC1	20	8523
SJKYVLC2	20	8524
SJKYVRDD	8	8501
SJKYVRDS	8	8502
SJKYVSCT	20	8522
SJKYVSRN	8	8504
SJKYWITH	47	8603
SJKYXSTP	37	8802
SJKYXTYP	37	8803
SJKYZSEG	0	8015
SJVBDD	0	C4C44040
SJVBEXEC	2F	C5E7C5C3
SJVBJOB	3F	D1D6C240
SJVBSCHD	47	E2C3C8C5
SJVBXPRT	37	C5E7D7D6
SJVJDSEA	3F	80
SJVJDSED	3F	20
SJVJDSEU	3F	40
SJVJJLRC	3F	20
SJVJJMRC	3F	40
SJVJJSRC	3F	10
SJVJNOSP	3F	40
SJVJSPIN	3F	10
SJVJSUPP	3F	20
SJVLABS	8	0
SJVLALX	8	2
SJVLAPPE	0	8
SJVLARKI	0	40
SJVLARME	0	20
SJVLARUN	0	80
SJVLAVR	8	40
SJVLBASC	0	2

Table 144. Cross Reference for SJKEY (continued)

Name	Offset	Hex Tag
SJVLBIN	0	80
SJVLBQ	9	10
SJVLCANC	3F	10
SJVLCEXL	0	C0
SJVLCMPT	23	F0
SJVLCONT	8	8
SJVLCR	0	40
SJVLCRE	0	20
SJVLCREA	0	80
SJVLCYL	8	C0
SJVLDA	9	20
SJVLDAU	9	21
SJVLDCOM	23	1
SJVLDELE	0	4
SJVLDTLI	0	80
SJVLDTPD	0	40
SJVLDUMP	3F	20
SJVLEATN	0	1
SJVLEATO	0	2
SJVLEEFM2	23	80
SJVLEEFM3	23	A0
SJVLEEFM4	23	C0
SJVLEFM1	23	60
SJVLEFM2	23	70
SJVLEFM3	23	90
SJVLEFM4	23	B0
SJVLEXCL	0	40
SJVLEXP	0	4
SJVLEXR	0	8
SJVLFRVE	0	1
SJVLFRVV	0	2
SJVLGDGC	0	80
SJVLGDGF	0	20
SJVLGDGL	0	40
SJVLGENR	0	80
SJVLGS	9	80
SJVLHFSI	0	10
SJVLIDRC	23	20
SJVLIS	9	80
SJVLISU	9	81
SJVLKEEP	0	8
SJVLKE1H	0	C8
SJVLKE1L	0	D3
SJVLKE2H	0	C8
SJVLKE2L	0	D3
SJVLLARG	0	1
SJVLMEDI	23	F
SJVLMED1	23	1
SJVLMED2	23	2

Table 144. Cross Reference for SJKEY (continued)

Name	Offset	Hex Tag
SJVLMED3	23	3
SJVLMED4	23	4
SJVLMED5	23	5
SJVLMED6	23	6
SJVLMED7	23	7
SJVLMED8	23	8
SJVLMED9	23	9
SJVLME10	23	A
SJVLME11	23	B
SJVLME12	23	C
SJVLME13	23	D
SJVLMPNS	23	0
SJVLMSGP	8	20
SJVLMXIG	8	4
SJVLNBLK	0	4
SJVLNOCP	23	10
SJVLNOCT	0	20
SJVLNRI	0	80
SJVLOMED	23	0
SJVLOREC	23	0
SJVLOSPC	23	0
SJVLPIPE	0	20
SJVLPO	9	2
SJVLPOU	9	3
SJVLPS	9	40
SJVLPSU	9	41
SJVLPU	9	1
SJVLQD	9	8
SJVLQP	9	4
SJVLRDON	0	2
SJVLRDWR	0	3
SJVLREC	0	20
SJVLRGRP	0	20
SJVLRND	8	1
SJVLROES	0	40
SJVLROKS	0	80
SJVLROLS	0	10
SJVLRORR	0	20
SJVLROTH	0	4
SJVLRUSR	0	100
SJVLRWXG	0	38
SJVLRWXO	0	7
SJVLRWXU	0	1C0
SJVLSGID	0	400
SJVLSPEC	23	F
SJVLSPNO	0	40
SJVLSPUN	0	80
SJVLSUID	0	800
SJVLSYNC	0	100

Table 144. Cross Reference for SJKEY (continued)

Name	Offset	Hex Tag
SJVLTEXT	0	40
SJVLTL	9	40
SJVLTM	9	20
SJVLTR	9	4
SJVLTRK	8	80
SJVLTRKR	23	F0
SJVLTRUN	0	10
SJVLVS	9	8
SJVLWARN	3F	40
SJVLWDON	0	1
SJVLWGRP	0	10
SJVLWOTH	0	2
SJVLWUSR	0	80
SJVLXGRP	0	8
SJVLXOTH	0	1
SJVLXUSR	0	40
SJVL128T	23	30
SJVL1600	18	C3
SJVL18TK	23	10
SJVL200	18	3
SJVL256T	23	40
SJVL36TK	23	20
SJVL384T	23	50
SJVL556	18	43
SJVL6250	18	D3
SJVL800	18	83

Chapter 30. SJKLP Information

SJKLP Heading Information

Common Name:	Scheduler JCL Facility Key List Service Parameter
Macro ID:	IEFSJKLP
DSECT Name:	SJKLP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJKL Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key
Size:	54 bytes
Created by:	Caller
Pointed to by:	N/A
Serialization:	None
Function:	Mapping for the Scheduler JCL Facility Key List Service Parameter List.

SJKLP mapping

Table 145. Structure SJKLP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	54	SJKLP	SJF Keylist parameter list
0	(0)	CHARACTER	4	SJKLID	Identifier 'SJKL'
4	(4)	UNSIGNED	1	SJKLVERS	Version number
5	(5)	BITSTRING	1	SJKLFLAG	Control flag byte
		1...		SJKLNREC	No recovery
		.1..		SJKLNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJKLLEN	Length of parameter list
8	(8)	ADDRESS	4	SJKLSTOR	Local storage pointer or zero
12	(C)	SIGNED	4	SJKLREAS	Reason code
16	(10)	CHARACTER	8	SJKLJDVT	JDVT name
24	(18)	CHARACTER	8	SJKLVERB	Verb name
32	(20)	CHARACTER	8	SJKLCLAS	Class identifier
40	(28)	UNSIGNED	2	SJKLSUBP	Subpool for key list storage
42	(2A)	BITSTRING	1	SJKLFLG1	Flag field
		1...		SJKLNICF	Not in class flag
		.1..		SJKLRKWO	Return keyword only
43	(2B)	CHARACTER	1	SJKLRSV0	Reserved for IBM use
44	(2C)	ADDRESS	4	SJKLRETA	Key list return area address
48	(30)	UNSIGNED	2	SJKLARLN	Key list return area length
50	(32)	UNSIGNED	2	SJKLKIDN	Number of keys returned
52	(34)	CHARACTER	2	SJKLRSV1	Reserved for IBM use

SJKLP mapping

Table 146. Structure SJKLKEYL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	10	SJKLKEYL(*)	Key list mapping
0	(0)	CHARACTER	10	SJKLKENT	Key list entry
0	(0)	CHARACTER	8	SJKLKYWD	Keyword name
8	(8)	UNSIGNED	2	SJKLKEY	Key number

Table 147. Constants for SJKLP

Len	Type	Value	Name	Description
Additional data needed for parameter list				
4	CHARACTER	SJKL	SJKLCID	Parameter list identifier
1	DECIMAL	1	SJKLCVER	Version number
2	DECIMAL	230	SJKLSBPL	Typical subpool for keylist

Table 148. Cross Reference for SJKLP

Name	Offset	Hex Tag
SJKLARLN	30	
SJKLCLAS	20	
SJKLFLAG	5	
SJKLFLG1	2A	
SJKLID	0	
SJKLJDVT	10	
SJKLKENT	0	
SJKLKEY	8	
SJKLKEYL	0	
SJKLKIDN	32	
SJKLKYWD	0	
SJKLLEN	6	
SJKLNICF	2A	80
SJKLNOCU	5	40
SJKLNREC	5	80
SJKLP	0	
SJKLREAS	C	
SJKLRETA	2C	
SJKLRKWO	2A	40
SJKLRSV0	2B	
SJKLRSV1	34	
SJKLSTOR	8	
SJKLSUBP	28	
SJKLVERB	18	
SJKLVERS	4	

Chapter 31. SJMRP Information

SJMRP Heading Information

Common Name:	Scheduler JCL Facility Merge SWB Parameter list
Macro ID:	IEFSJMRP
DSECT Name:	SJMRP, SJACRQT
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJMP Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key
Size:	See assembler listing
Created by:	Caller
Pointed to by:	Standard linkage parameter list (Register 1 pointing to a word which points to SJMRP).
Serialization:	None
Function:	Mapping for the Scheduler JCL Facility Merge SWB Parameter list. The Merge SWB service will take two SWB chains (specified with the 'Merge' and 'Base' tokens), and create a new SWB chain (returned as the 'Resolve' token) that contains keywords from both input SWB chains. Specific keys in the 'Merge' SWB chain will override the same key in the 'Base' SWB chain.

SJMRP mapping

Table 149. Structure SJMRP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	44	SJMRP	SJF Merge SWB parameter list
0	(0)	CHARACTER	4	SJMRID	Identifier 'SJMR'
4	(4)	UNSIGNED	1	SJMRVERS	Version number
5	(5)	CHARACTER	1	SJMRFLAG	Control flags
		1...		SJMRNREC	No recovery
		.1..		SJMRNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJMRLEN	Length of parameter list
8	(8)	ADDRESS	4	SJMRSTOR	Local storage pointer or zero
12	(C)	SIGNED	4	SJMRREAS	Reason code (returned) End of common header
16	(10)	CHARACTER	8	SJMRBAST	SJF Base token
24	(18)	CHARACTER	8	SJMRMRGT	SJF Merge token
32	(20)	CHARACTER	8	SJMRREST	SJF Resolve token (result)
40	(28)	CHARACTER	1	SJMRFLG1	Control flags
		1...		SJMRNSWA	Create result SWB in non-SWA storage
		.1..		SJMRNFB	New SWB label from Base SWB
		..1.		SJMRNSER	Do not serialize resultant SWA SWB
		...1		SJMRRTNB	De-serialize Base SWB

Table 149. Structure SJMRP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		SJMRRTNM	De-serialize Merge SWB
		.... .111		*	Reserved
41	(29)	CHARACTER	1	SJMRRETF	Return Flags
		1...		SJMRDESB	Base SWB Chain Deserialized
		.1..		SJMRDESM	Merge SWB Chain Deserialized
		..1.		SJMRDSEB	Error during Base SWB DeSer
		...1		SJMRDSEM	Error during Merge SWB DeSer
42	(2A)	CHARACTER	2	SJMRRSV0	Reserved

Table 150. Constants for SJMRP

Len	Type	Value	Name	Description
ADDITIONAL DATA NEEDED FOR PARAMETER LIST				
4	CHARACTER	SJMR	SJMRCID	Parameter list acronym
1	DECIMAL	1	SJMRCVER	Parameter list version

Table 151. Cross Reference for SJMRP

Name	Offset	Hex Tag
SJMRBAST	10	
SJMRDESB	29	80
SJMRDESM	29	40
SJMRDSEB	29	20
SJMRDSEM	29	10
SJMRFLAG	5	
SJMRFLG1	28	
SJMRID	0	
SJMRLEN	6	
SJMRMRGT	18	
SJMRNFB	28	40
SJMRNOCU	5	40
SJMRNREC	5	80
SJMRNSER	28	20
SJMRNSWA	28	80
SJMRP	0	
SJMRREAS	C	
SJMREST	20	
SJMRRETF	29	
SJMRRSV0	2A	
SJMRRTNB	28	10
SJMRRTNM	28	08
SJMRSTOR	8	
SJMRVERS	4	

Chapter 32. SJPRFX Information

SJPRFX Heading Information

Common Name:	NJE Prefix Mapping
Macro ID:	IEFSJPFX
DSECT Name:	SJPFX
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJPF Offset: 0 Length: 4
Storage Attributes:	Subpool: N/A Key: N/A
Size:	28 bytes
Created by:	N/A
Pointed to by:	N/A
Serialization:	None
Function:	This mapping is used as the prefix section of a SWBTU (SWB in text unit format). A SWBTU is the transportable format of SWB (JCL) data owned by SJF. The mapping is also defined as the NJE Data Set Header OPTB prefix.

SJPRFX mapping

Table 152. Structure SJPRFX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	28	SJPRFX	NJE PREFIX
0	(0)	CHARACTER	4	SJPRID	IDENTIFIER 'SJPF'
4	(4)	UNSIGNED	1	SJPRVERS	VERSION NUMBER
5	(5)	UNSIGNED	1	SJPRPLEN	LENGTH OF PREFIX
6	(6)	SIGNED	2	SJPRDLEN	LENGTH OF DATA
8	(8)	CHARACTER	8	SJPRVERB	VERB FOR SWB CHAIN
16	(10)	CHARACTER	8	SJPRVRBL	LABEL FOR SWB CHAIN
24	(18)	BITSTRING	1	SJPRFLG1	FLAGS
		1...		SJPRCONT	CONTINUATION TEXT UNIT FLAG
		.1..		SJPRDYNM	DYNAMICALLY CREATED SWB CHAIN
25	(19)	UNSIGNED	1	SJPRPARM	NUMBER OF PARAMETERS ALREADY PROCESSED IN THE FIRST TEXT UNIT
26	(1A)	UNSIGNED	2	SJPRRSV1	RESERVED

Table 153. Constants for SJPRFX

Len	Type	Value	Name	Description
ADDITIONAL DATA NEEDED FOR NJE PREFIX MAPPING				
4	CHARACTER	SJPF	SJPRCID	IDENTIFIER
1	DECIMAL	2	SJPRCVER	CURRENT VERSION NUMBER

SJPRFX mapping

Table 154. Cross Reference for SJPRFX

Name	Offset	Hex Tag
SJPRCONT	18	80
SJPRDLEN	6	
SJPRDYNM	18	40
SJPRFLG1	18	
SJPRFX	0	
SJPRID	0	
SJPRPARM	19	
SJPRPLEN	5	
SJPRRSV1	1A	
SJPRVERB	8	
SJPRVERS	4	
SJPRVRBL	10	

Chapter 33. SJPUP Information

SJPUP Heading Information

Common Name:	SCHEDULER JCL FACILITY PUT SWB PARAMETER LIST
Macro ID:	IEFSJPUP
DSECT Name:	SJPUP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJPU Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key
Size:	56 bytes
Created by:	Caller of SJFREQ REQUEST=PUTSWB
Pointed to by:	On entry to SJF, register 1 points to a word that points to SJPUP
Serialization:	None
Function:	Mapping for the Scheduler JCL Facility Put SWB Service Parameter List.

SJPUP mapping

Table 155. Structure SJPUP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	56	SJPUP	
0	(0)	CHARACTER	4	SJPUID	IDENTIFIER
4	(4)	UNSIGNED	1	SJPUVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJPUFLAG	CONTROL FLAGS
		1...		SJPUNREC	NO RECOVERY
		.1..		SJPUNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJPULEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJPUSTOR	LOCAL STORAGE POINTER
12	(C)	SIGNED	4	SJPUREAS	RESULT REASON CODE (RETURNED)
16	(10)	CHARACTER	8	SJPUTOKN	
16	(10)	ADDRESS	4	SJPUANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
20	(14)	ADDRESS	4	SJPUANCA	ADDRESS OF WORD POINTING TO A A SWB CHAIN OR ZERO
24	(18)	ADDRESS	4	SJPUSWBA	ADDRESS OF AREA CONTAINING KEYWORD DATA
28	(1C)	UNSIGNED	2	SJPUALEN	LENGTH OF AREA CONTAINING KEYWORD DATA
30	(1E)	BITSTRING	1	SJPUFLG2	FLAGS
		1...		SJPUNSWA	SWBS TO BE BUILT IN NON-SWA SUBPOOL

Table 155. Structure SJPUP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		SJPUWARN	CONTINUE PROCESSING AFTER AN ERROR WHICH IS DUE TO CHANGES IN THE JDTS FROM RELEASE TO RELEASE IS ENCOUNTERED
		..1.		SJPUOSER	SERIALIZATION ON SWB USE COUNT IS NOT REQUIRED
		...1 1111		*	RESERVED
31	(1F)	BITSTRING	1	SJPURSV2	RESERVED
32	(20)	CHARACTER	8	SJPUJDVT	JDVT NAME
40	(28)	CHARACTER	0	SJPUV1ND	END OF VERSION 1 PARMLIST
40	(28)	CHARACTER	3	SJPUSVA	SVA TO BE REASSIGNED TO SWB (USED BY SWA RELOCATOR)
43	(2B)	CHARACTER	13	SJPURSV3	RESERVED

Table 156. Constants for SJPUP

Len	Type	Value	Name	Description
ADDITIONAL DATA NEEDED FOR THE PUT SWB PARAMETER LIST				
4	CHARACTER	SJPU	SJPUCID	IDENTIFIER
1	DECIMAL	2	SJPUCVER	CURRENT VERSION NUMBER

Table 157. Cross Reference for SJPUP

Name	Offset	Hex Tag
SJPUALEN	1C	
SJPUANBK	10	
SJPUANCA	14	
SJPUFLAG	5	
SJPUFLG2	1E	
SJPUID	0	
SJPUJDVT	20	
SJPULEN	6	
SJPUNOCU	5	40
SJPUNREC	5	80
SJPUNSWA	1E	80
SJPUOSER	1E	20
SJPUP	0	
SJPUREAS	C	
SJPURSV2	1F	
SJPURSV3	2B	
SJPUSTOR	8	
SJPUSVA	28	
SJPUSWBA	18	
SJPUTOKN	10	
SJPUVERS	4	
SJPUV1ND	28	
SJPUWARN	1E	40

Chapter 34. SJRC Information

SJRC Programming Interface Information

The following fields are **NOT** programming interface information:

- SJRC_BASE_SWBTU_CONFLICT
- SJRC_FREEMAIN_FAILURE
- SJRC_GETMAIN_FAILURE
- SJRC_KEYLIST_INVALID_PLIST
- SJRC_KEYLIST_NO_STORAGE
- SJRC_KEYLIST_VERB_NOT_DEF
- SJRC_MODIFY_SWBTU_ERROR
- SJRC_MODIFY_SWBTU_NO_TU
- SJRC_NO_KEYWORDS_TO_RETURN
- SJRC_NOT_FOUND
- SJRC_OUTAREA_OVERFLOW
- SJRC_SCAN_INVALID_KEY
- SJRC_SCAN_INVALID_PARM
- SJRC_SCAN_INVALID_PLIST
- SJRC_SCAN_VERB_DOESNT_MATCH
- SJRC_SPLICE_STORAGE_ERROR
- SJRC_SWBTU_WITH_NO_TUS
- SJRCALDL
- SJRCALLW
- SJRCBKK
- SJRCBUFL
- SJRCBVC
- SJRCCOPY
- SJRCDDNM
- SJRCDFTJ
- SJRCDLVL
- SJRCDUPJ
- SJRCDUPK
- SJRCDUPV
- SJRCEBIT
- SJRCGEGM
- SJRCGETJ
- SJRCGETS
- SJRCGLEN
- SJRCGSWB
- SJRCIFUN
- SJRCINAN
- SJRCINVJ

- SJRCIREF
- SJRCITKN
- SJRCIVAC
- SJRCIVCB
- SJRCIVDT
- SJRCIVID
- SJRCIVKY
- SJRCIVLB
- SJRCIVRB
- SJRCLDEL
- SJRCLSTG
- SJRCMORE
- SJRCMRDV
- SJRCNATH
- SJRCNBIT
- SJRCNDAT
- SJRCNDTA
- SJRCNDYN
- SJRCNGRP
- SJRCNJDT
- SJRCNOCB
- SJRCNOIP
- SJRCNOST
- SJRCNSCH
- SJRCNSDT
- SJRCNSLE
- SJRCNSTG
- SJRCNSWB
- SJRCNUPD
- SJRCPERR
- SJRCPLEN
- SJRCPLST
- SJRCPMOD
- SJRCPRMN
- SJRCPSWB
- SJRCPTUL
- SJRCPUGM
- SJRCSSTG
- SJRCSTEP
- SJRCSUHT
- SJRCSWAM
- SJRCUSEH
- SJRCUSEZ
- SJRCVAOC
- SJRCWSPC

SJRC Heading Information

Common Name:	Scheduler JCL Facility Reason Codes
Macro ID:	IEFSJRC
DSECT Name:	n/a
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	none
Storage Attributes:	Virtual Storage: included in module's dynamic area
Size:	n/a
Created by:	n/a
Pointed to by:	n/a
Serialization:	None
Function:	Maps the reason codes used by all SJFREQ Functions

SJRC mapping

Table 158. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
  START OF SPECIFICATIONS
 MACRO NAME = IEFSJRC
 DESCRIPTIVE NAME = Scheduler JCL Facility Reason Codes
01 PROPRIETARY STATEMENT=
  PROPRIETARY_STATEMENT
 LICENSED MATERIALS - PROPERTY OF IBM
 THIS MACRO IS "RESTRICTED MATERIALS OF IBM"
 5647-A01 (C) COPYRIGHT IBM CORP. 1982, 1997
 STATUS= HBB6605
  END_OF_PROPRIETARY_STATEMENT
 FUNCTION = Maps the reason codes used by all SJFREQ
            Functions
 MODULE TYPE = MACRO
    DSECT NAME = n/a
    ACRONYM = none
    COMPONENT = Scheduler JCL Facility (BB131)
01 EXTERNAL CLASSIFICATION:
02 GUPI: BASE
02 DMTI: FIELDS
           SJRCIVID SJRCDDNM SJRCIVDT SJRCPLST
           SJRCNSWB SJRCNBIT SJRCDUPV SJRCNOCB
           SJRCBKK SJRCEBIT SJRCPSWB SJRCLSTG
           SJRCNSLE SJRCNGRP SJRCPUGM SJRCSSTG
           SJRCBVC SJRCNOST SJRCPLEN SJRCPRMN
           SJRCNOIP SJRCINAN SJRCGSWB SJRCPERR
           SJRCVAOC SJRCINVJ SJRCMORE SJRCUSEH
           SJRCDLVL SJRCIVKY SJRCGLEN SJRCUSEZ
           SJRCNJDT SJRCDUPK SJRCGEGM SJRCLDEL
           SJRCDUPJ SJRCCOPY SJRCNDTA SJRCIFUN
           SJRCDFTJ SJRCIVRB SJRCGETS SJRCMRDV
           SJRCGETJ SJRCIVLB SJRCNDAT SJRCPMOD
           SJRCSUHT SJRCIREF SJRCNATH SJRCBUFL
           SJRCNSDT SJRCWSPC SJRCNSTG SJRCSWAM
           SJRCNSCH SJRCALDL SJRCNUPD SJRCIVCB
           SJRCSTEP SJRCNDYN SJRCALLW SJRCIVAC
           SJRCITKN SJRCPTUL
           SJRC_NOT_FOUND
           SJRC_SCAN_VERB_DOESNT_MATCH
           SJRC_SCAN_INVALID_PLIST
           SJRC_SCAN_INVALID_KEY
           SJRC_SCAN_INVALID_PARM
           SJRC_KEYLIST_INVALID_PLIST
           SJRC_KEYLIST_VERB_NOT_DEF
           SJRC_KEYLIST_NO_STORAGE
           SJRC_NO_KEYWORDS_TO_RETURN
           SJRC_SWBTU_WITH_NO_TUS
           SJRC_OUTAREA_OVERFLOW
           SJRC_BASE_SWBTU_CONFLICT
           SJRC_MODIFY_SWBTU_NO_TU
           SJRC_GETMAIN_FAILURE
           SJRC_FREEMAIN_FAILURE
           SJRC_SPLICE_STORAGE_ERROR
           SJRC_MODIFY_SWBTU_ERROR
01 END OF EXTERNAL CLASSIFICATION
 EYE CATCHER = none
      OFFSET = n/a
```

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
     LENGTH = n/a
STORAGE ATTRIBUTES =
      VIRTUAL STORAGE = included in module's dynamic area
      SIZE = n/a
CREATED BY = n/a
POINTED TO BY = n/a
SERIALIZATION = None
INVOCATION =
  BAL - IEFSJRC
                The default values are to declare all the
                  defined reason codes as constants.
Note = The reason codes for the SJF Info_Retrieval service are
       in PL/X only.
CONVENTIONS =
 The reason code values are determined as follows:
 The first 2 decimal digits correspond to the function code
 for the SJF function. (e.g. SJF Access reason codes begin
 with '13'). The remaining digits are sequential starting
 with '00'.
 For reason codes not belonging to an SJF function (e.g.
 IEFSJSWA), the reason codes should be in the range of
 decimal '100' more than the previous. For example, IEFSJSWA
 reason codes are in the 80xx range, followed by IEFSJTOK,
 which is in the 81xx range.
               SJRCEQU=YES OR NO, :Generate EQUates rather
                                   than DCs
             If SJRCEQU is specifed as NO or defaults to NO
                then the following options can control which
                subset of reason codes to declare.
                SJRCCOM=YES OR NO, :SJF COMMON REASON CODES
                SJRCJDT=YES OR NO, :SJF EXTRACT, UPDATE, AND
                                    RETRIEVE REASON CODES
                SJRCDEF=YES OR NO, :SJF DEFINE JDVT REASON CODES
                SJRCFND=YES OR NO, :SJF FIND SWB REASON CODES
                SJRCUPD=YES OR NO, :SJF UPDATE REASON CODES
                SJRCRET=YES OR NO, :SJF RETRIEVE REASON CODES
                SJRCWRT=YES OR NO, :SJF WRITE REASON CODES
                SJRCPUT=YES OR NO, :SJF PUT REASON CODES
                SJRCGET=YES OR NO, :SJF GET REASON CODES
                SJRCBLD=YES OR NO, :SJF BUILD REASON CODES
                SJRCSWA=YES OR NO, :IEFSJSWA REASON CODES
                SJRCACC=YES OR NO, :SJF ACCESS REASON CODES
```

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
                  SJRCVER=YES OR NO, :SJF VERIFY REASON CODES
                  SJRCDEL=YES OR NO :SJF DELETE REASON CODES
                  SJRCERS=YES OR NO :SJF ERASE REASON CODES
                  SJRCSER=YES OR NO :SJF SERIALIZE REASON CODES
                  SJRCMRG=YES OR NO :SJF MERGE SWB REASON CODES
                  SJRCSCN=YES OR NO :SJF SCAN SWB REASON CODES
                  SJRCKLS=YES OR NO :SJF Keylist reason codes
                  SJRCSMS=YES OR NO :SJF SWBTU Merge reason codes
                  SJRCVAL=YES OR NO :SJF Validate reason codes
    PL/S - %INCLUDE SYSLIB(IEFSJRC)
           Some new SJF services use variable names which are
           longer than 8 characters and/or are allowed
           in PL/AS only. To include these variables,
           the following must be coded prior to the include
           of this macro.
           %DCL SJRCLONG CHAR
           %SJRCLONG = 'YES'
           If the PL/AS specific variable names are not
           desired, do not declare SJRCLONG, or declare it
           and assign it a value other than 'YES'. This
           allows existing PL/S users of IEFSJRC to not get
           the PL/AS specific names as a default.
           PL/S does not allow the full range of variable
           names that PL/AS allows.
           The following services use variable names
           which are longer than 8 characters:
             IEFSJSCN - SJF Scan
             IEFSJKLS - SJF Keylist Service
             IEFSJSMS - SJF SWBTU Merge Service
             IEFSJIRT - SJF Info_Retrieval Service
    DISTRIBUTION LIBRARY = AMACLIB
 CHANGE ACTIVITY = H0,L1,L2,P1,L3,L4,D1,D2,P2,D3,L5,L6,P3,L7,
                   L8,P4,L9,P5,T1,D4,T2,LA,LB,P6,01,P7
$H0= EXTJCL JBB2110 820827 PD2Q: SUPPORT FOR EXTENDED JCL
$L1= SJFPERF JBB2220 850102 PDN4: SJF PERFORMANCE
$L2= SWABOVE JBB2220 850603 PDT4: SWA ABOVE THE LINE
$P1= PA20428 JBB2220 851023 PDT4: CHANGE IEFSJSWA RC'S
$L3= SMSSTG2 JBB2223 860324 PDN4: STOR MGMT SUBSYS STGII SUPT
```

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
				$L4= SMSSTG2 JBB2223 860623 PDT4: STOR MGMT SUBSYS STGII SUPT	
				$D1= DCR0023 JBB2223 861117 PDT4: DYNAMIC OUTPUT SUPPORT	
				$D2= DCR0033 JBB2223 870235 PDN4: DCR 33	
				$P2= PC20216 JBB2223 870408 PDN4: STOR MGMT SUBSYS STGII SUPT	
				$D3= DCR0055 JBB2223 870923 PDN4: DCR 55	
				$L5= SERVC HBB4410 871102 PDN4: SERVICEABILITY	
				$L6= EMVS2 HBB4410 880811 PDD1: EMVS2 support	
				$P3= PEO1297 HBB4410 881220 PDM1: ASM comment continuation	
				$L7= APPC1 HBB4420 890405 PDM1: APPC support	
				$L8= EMVS2 HBB4410 890206 PDY1: ENTERPRISE II SUPPORT	
				$P4= PEO1528 HBB4410 890206 PDY1: Long names bad for PLS	
				$L9= EMVS2 HBB4410 890516 PDZ1: SWBTU_MERGE reason codes	
				$P5= PEO2221 HBB4410 890814 PDDZ: New SWBTU_MERGE reason code	
				$T1= OY27487 JBB3313 891205 PDCL: IMS SUPPORT	
				$D4= DCR0283 HBB4410 900328 PDCL: TEXT Data Type	
				$T2= OY30620 JBB3313 901001 PDCL: USERLIB Support	
				$LA= POSIX HBB4430 911028 PDCL: OPEN/MVS Support	
				$LB= POSIX HBB4430 920108 PDWL: OPEN/MVS Support	
				$P6= PKB1399 HBB4430 920617 PDCL: 10X Defect Elimination	
				$01= OY54619 JBB2223 920815 PDCL: Expiration Date	
				$P7= PIG1424 HBB5510 930715 PDDZ: SHOWHDR compliance	
				$P8= PUX0014 HBB6605 970819 PDDH: FIN APAR OW20253	
				END OF SPECIFICATIONS	
				A 000000-999999	
				A HEX VALUE OF REASON CODES	
				A REASON CODE FOR SJF HASH TABLE BUILD	
				A REASON CODES FOR IEFSJSWA INCLUDED PROCEDURE	
				C REASON CODES FOR IEFSJSWA INCLUDED PROCEDURE TO START AT 8000 RATHER THAN 1200	
				A REASON CODES FOR SJF ACCESS, SJF FIND, SJF DEFINE AND COMMON INCLUDE SEGMENTS	
				A REASON CODES FOR SJF VERIFY	
				A LITERAL EQUATE OPTION TO ASSEMBLER VERSION OF MACRO	
				A REASON CODES FOR DYNAMIC OUTPUT SUPPORT	
				A REASON CODES FOR TOKEN BUILD ROUTINE	

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
C CONTINUATION OF ASM COMMENT FOR SJRCITKN					
C REASON CODES FOR SJF ERASE FUNCTION, IEFSJERS					
A REASON CODES FOR SJF SERIALIZE					
A Reason codes for EMVS2 support					
C Continuation error for ASM comment					
A Reason codes for APPC support (MERGESWB)					
A Reason codes for SCAN SWB and Keylist					
A Change to get SCAN and KEYLIST PLS reason codes only if requested. They use variable names greater than 8 chars, which aren't allowed by PLS.					
A Add reason code SJRC_NO_KEYWORDS_TO_RETURN					
A Add reason codes for SWBTU_MERGE service (1900 range)					
A Added new reason code for SWBTU_MERGE.					
A Reason code for output text unit buffer different than the output text unit buffer passed on first call					
A Reason code for invalid TEXT character found					
A Reason code for quoted string support in SJF Verify					
A Reason codes for new special data type					
A Reason codes for Info_Retrieval Service					
A Reason code for SJF Update to return when a text unit key value specified as hex zeroes					
C Changed prolog to be SHOWHDR compliant					
A Reason code for SJF Put to return when the text unit data area contains a text unit with an invalid count or length (due to a text unit length overlay).					
%GOTO SJRCPLS;					
COMMON REASON CODES (decimal)					
0	(0)	SIGNED	4	SJRCNOER	X'000' PROCESSING SUCCESSFUL
4	(4)	SIGNED	4	SJRCIVID	X'001' INVALID SWB ID, OWNER NAME, BLOCK ID, VERB, OR LABEL
8	(8)	SIGNED	4	SJRCIVTK	X'002' INVALID SWB TOKEN
12	(C)	SIGNED	4	SJRCNSWB	X'003' SWB NOT FOUND ON SWB CHAIN
16	(10)	SIGNED	4	SJRCNJDV	X'004' JDVT NOT FOUND ON JDVT CHAIN
20	(14)	SIGNED	4	SJRCNJCH	X'005' JDVT CHAIN DOES NOT EXIST
JDT REASON CODES - Returned BY SJF Extract and callers of SJF Extract					
24	(18)	SIGNED	4	SJRCNVRB	X'0C8' VERB NOT DEFINED IN JDT
28	(1C)	SIGNED	4	SJRCNKWD	X'0C9' KEYWORD NOT DEFINED IN JDT
32	(20)	SIGNED	4	SJRCNKEY	X'0CA' KEY NOT DEFINED IN JDT
36	(24)	SIGNED	4	SJRCNPRM	X'0CB' SUBPARAMETER NOT DEFINED IN JDT
40	(28)	SIGNED	4	SJRCBKK	X'0CC' BOTH A KEYWORD AND KEY ARE SPECIFIED
44	(2C)	SIGNED	4	SJRCNSLE	X'0CE' SUBLIST ELEMENT NOT DEFINED IN THE JDT
48	(30)	SIGNED	4	SJRCNCMD	X'0CF' COMMAND NOT DEFINED IN JDT
52	(34)	SIGNED	4	SJRCNOPE	X'0D0' OPERAND NOT DEFINED IN JDT
56	(38)	SIGNED	4	SJRCBVC	X'0D1' BOTH VERB AND COMMAND SPECIFIED
60	(3C)	SIGNED	4	SJRCNOIP	X'0D2' NO OPERAND INFORMATION POINTER

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
64	(40)	SIGNED	4	SJRCVAOC	X'0D3' VERB AND/OR COMMAND NOT SPECIFIED
68	(44)	SIGNED	4	SJRCDLVL	X'0D4' Special parameter information not supported by this parameter list version
DEFINE JDVT REASON CODES					
72	(48)	SIGNED	4	SJRCNJDT	X'12C' JDT NOT FOUND
76	(4C)	SIGNED	4	SJRCDUPJ	X'12D' DUPLICATE JDVT NAME
80	(50)	SIGNED	4	SJRCDFTJ	X'12E' DEFAULT JDVT ALREADY EXISTS
84	(54)	SIGNED	4	SJRCGETJ	X'12F' GETMAIN FOR JDVT FAILED
88	(58)	SIGNED	4	SJRCSUHT	X'130' STORAGE UNAVAILABLE FOR HASH TABLE
92	(5C)	SIGNED	4	SJRCNSDT	X'132' SDT NOT FOUND
FIND SWB REASON CODES					
96	(60)	SIGNED	4	SJRCNSCH	X'190' SPECIFIED SWB CHAIN NOT FOUND
100	(64)	SIGNED	4	SJRCSTEP	X'191' SPECIFIED STEP OR PROC NAME NOT FOUND
104	(68)	SIGNED	4	SJRCDDNM	X'192' SPECIFIED DD LABEL NOT FOUND
108	(6C)	SIGNED	4	SJRCNBIT	X'193' NO SEARCH BITS SPECIFIED
112	(70)	SIGNED	4	SJRCEBIT	X'194' UNDEFINED BITS IN PARM LIST
116	(74)	SIGNED	4	SJRCNGRP	X'195' CONTROL GROUP NOT FOUND
120	(78)	SIGNED	4	SJRCNOST	X'196' NO STEPNAME IN PARM LIST
124	(7C)	SIGNED	4	SJRCINAN	X'197' INVALID STARTING ADDRESS PASSED IN PARAMETER LIST
128	(80)	SIGNED	4	SJRCINVJ	X'198' INVALID JOB OR STEP TOKEN SUPPLIED
UPDATE REASON CODES					
132	(84)	SIGNED	4	SJRCIVLN	X'1F4' INVALID LENGTH OF PARAMETER
136	(88)	SIGNED	4	SJRCIVCH	X'1F5' INVALID CHOICE SPECIFIED
140	(8C)	SIGNED	4	SJRCGMAX	X'1F6' NUMERIC PARAMETER EXCEEDS MAXIMUM
144	(90)	SIGNED	4	SJRCLMIN	X'1F7' NUMERIC PARAMETER LESS THAN MINIMUM
148	(94)	SIGNED	4	SJRCIVKY	X'1F8' INVALID KEY, SYSTEM SPECIFICATION ONLY
152	(98)	SIGNED	4	SJRCDUPK	X'1F9' DUPLICATE KEY SPECIFIED
156	(9C)	SIGNED	4	SJRCNNUM	X'1FA' NO PARAMETER SPECIFIED
160	(A0)	SIGNED	4	SJRCCOPY	X'1FB' NO STORAGE COULD BE OBTAINED IN WHICH TO UPDATE SWBS
164	(A4)	SIGNED	4	SJRCIVRB	X'1FC' INVALID VERB SPECIFIED
168	(A8)	SIGNED	4	SJRCIVLB	X'1FD' INVALID LABEL SPECIFIED
172	(AC)	SIGNED	4	SJRCNLLN	X'1FE' LENGTH OF LEVEL EXCEEDS MAXIMUM
176	(B0)	SIGNED	4	SJRCNLNM	X'1FF' NUMBER OF LEVELS EXCEEDS MAXIMUM

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
180	(B4)	SIGNED	4	SJRCNFCH	X'200' INVALID FIRST CHARACTER OF LEVEL IN PARAMETER
184	(B8)	SIGNED	4	SJRCNOCH	X'201' INVALID CHARACTER OTHER THAN THE FIRST IN LEVEL IN PARAMETER
188	(BC)	SIGNED	4	SJRCNLIV	X'202' INVALID SPECIFICATION OF LEVELS
192	(C0)	SIGNED	4	SJRCIHEX	X'203' NONHEX CHARACTERS SPECIFIED
196	(C4)	SIGNED	4	SJRCINUM	X'204' NONNUMERIC CHARACTERS SPECIFIED
200	(C8)	SIGNED	4	SJRCIREF	X'205' INVALID REFERENCE. THIS IS GENERATED WHEN A REFERENCE IS MADE TO A DYNAMIC SWB IN A STEP OTHER THAN THE CURRENT STEP. (RESTART CANNOT HANDLE THIS CASE)
204	(CC)	SIGNED	4	SJRCZKEY	X'206' Text unit key value of hex zeroes found in input text unit
The range of 550 to 579 is reserved for reason codes that may be generated as a warning reason code. That is, if the update service encounters the error and the warning processing was requested, then a return code of zero will be taken.					
208	(D0)	SIGNED	4	SJRCIVTX	X'226' INVALID TEXT CHARACTER
212	(D4)	SIGNED	4	SJRCISEQ	X'227' Invalid sequence of characters found in parameter
216	(D8)	SIGNED	4	SJRCIBIT	X'228' Undefined bits are on in this bistring parameter
RETRIEVE REASON CODES					
220	(DC)	SIGNED	4	SJRCSTRS	X'258' NOT ENOUGH SPACE IN STORAGE AREA
224	(E0)	SIGNED	4	SJRCWSPC	X'259' NOT ENOUGH WORK SPACE FOR TEXT UNIT POINTER LIST
228	(E4)	SIGNED	4	SJRCSTRA	X'25B' NO ADDRESS SPECIFIED FOR THE STORAGE AREA
232	(E8)	SIGNED	4	SJRCIVKN	X'25C' ZERO SPECIFIED FOR NUMBER OF KEYWORDS
236	(EC)	SIGNED	4	SJRCIVKL	X'25D' ZERO KEYWORD LIST ADDRESS SPECIFIED
240	(F0)	SIGNED	4	SJRCIVKW	X'25F' KEYWORD NOT SPECIFIED
DELETE REASON CODES					
244	(F4)	SIGNED	4	SJRCALDL	X'2BC' SWB CHAIN ALREADY LOGICALLY DELETED
248	(F8)	SIGNED	4	SJRCNDYN	X'2BD' STATIC SWB CHAINS CANNOT BE DYNAMICALLY DELETED
WRITE REASON CODES					
252	(FC)	SIGNED	4	SJRCIVDT	X'320' DATA EXCEEDS LENGTH OF SWB DATA PORTION
256	(100)	SIGNED	4	SJRCDUPV	X'321' SWB CHAIN ALREADY EXISTS WITH SPECIFIED VERB AND LABEL

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
PUT REASON CODES					
260	(104)	SIGNED	4	SJRCPSWB	X'384' PUT SWB ADDRESS NOT SPECIFIED
264	(108)	SIGNED	4	SJRCPUGM	X'385' UNABLE TO GETMAIN STORAGE FOR TEXT UNIT POINTER LIST
268	(10C)	SIGNED	4	SJRCPLEN	X'386' LENGTH OF AREA TO BE PUT NOT SPECIFIED
272	(110)	SIGNED	4	SJRCPTUL	X'387' TEXT UNIT COUNT OR LENGTH IS INVALID
GET REASON CODES					
276	(114)	SIGNED	4	SJRCGSWB	X'3E8' AREA TO CONTAIN KEYWORD DATA NOT SPECIFIED
280	(118)	SIGNED	4	SJRCMORE	X'3E9' MORE KEYWORD DATA TO BE OBTAINED
284	(11C)	SIGNED	4	SJRCGLEN	X'3EA' INVALID LENGTH SPECIFIED FOR KEYWORD DATA AREA
288	(120)	SIGNED	4	SJRCGEGM	X'3EB' UNABLE TO OBTAIN STORAGE FOR KEYWORD LIST OR TEXT UNIT AREA
292	(124)	SIGNED	4	SJRCNDTA	X'3EC' NO KEYWORD DATA IN SWB CHAIN WHICH MATCHES QUALIFIER SPECIFIED
BUILD REASON CODES					
296	(128)	SIGNED	4	SJRCGETS	X'44C' GETMAIN FOR SWB FAILED
VERIFY REASON CODES					
300	(12C)	SIGNED	4	SJRCIVCM	X'4B0' COMMAND NOT SPECIFIED
304	(130)	SIGNED	4	SJRCIVTP	X'4B1' NO ADDRESS SPECIFIED FOR THE TEXT UNIT BUFFER
308	(134)	SIGNED	4	SJRCIVTL	X'4B2' NOT ENOUGH STORAGE IN THE TEXT UNIT BUFFER
312	(138)	SIGNED	4	SJRCIVQU	X'4B3' SUBPARAMETER MAY NOT BE SPECIFIED IN QUOTES
316	(13C)	SIGNED	4	SJRCIVBD	X'4B4' OUTPUT TEXT UNIT BUFFER IS DIFFERENT THAT OUTPUT TEXT UNIT BUFFER PASSED ON FIRST CALL
ACCESS REASON CODES					
320	(140)	SIGNED	4	SJRCNDAT	X'514' NO DATA EXISTS FOR THIS PARAMETER
324	(144)	SIGNED	4	SJRCNATH	X'515' NOT AUTHORIZED TO ACCESS THIS INFORMATION
328	(148)	SIGNED	4	SJRCNSTG	X'516' UNABLE TO OBTAIN STORAGE FOR INTERNAL RETRIEVE TABLE OR TEMPORARY SWA BLOCKS
332	(14C)	SIGNED	4	SJRCNUPD	X'517' UNABLE TO UPDATE THIS KEY
336	(150)	SIGNED	4	SJRCALLW	X'518' ALLOWABLE ERRORS OCCURRED. PROCESSING CONTINUED WITH NEXT REQUEST
340	(154)	SIGNED	4	SJRCPLST	X'519' ERROR IN PARAMETER LIST FIELD

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
344	(158)	SIGNED	4	SJRCNOCB	X'51A' CONTROL BLOCK WHICH CONTAINS INFORMATION FOR THIS PARAMETER DOES NOT EXIST
348	(15C)	SIGNED	4	SJRCLSTG	X'51B' STORAGE AREA LARGER THAN THE REQUIRED LENGTH
352	(160)	SIGNED	4	SJRCSSTG	X'51C' STORAGE AREA SMALLER THAN THE REQUIRED LENGTH
356	(164)	SIGNED	4	SJRCNRET	X'51D' Key not retrievable
ERASE REASON CODES					
360	(168)	SIGNED	4	SJRCPRMN	X'578' SUBPARAMETER INFORMATION does not exist in the SWB
364	(16C)	SIGNED	4	SJRCPERR	X'579' Conflicting requests found in input parameter list
SERIALIZE REASON CODES					
368	(170)	SIGNED	4	SJRCUSEH	X'5DC' Use count high limit exceeded
372	(174)	SIGNED	4	SJRCUSEZ	X'5DD' Use count is zero
376	(178)	SIGNED	4	SJRCLDEL	X'5DE' SWB has been logically deleted
380	(17C)	SIGNED	4	SJRCIFUN	X'5DF' Invalid function requested
SCAN REASON CODES					
384	(180)	SIGNED	4	SJRC_NOT_FOUND	X'640' No matching SWB chain found
388	(184)	SIGNED	4	SJRC_SCAN_VERB_DOESNT_MATCH	X'641' Verb in passed SWB chain does not match verb in parm list
392	(188)	SIGNED	4	SJRC_SCAN_INVALID_PLIST	X'642' Invalid parm list
396	(18C)	SIGNED	4	SJRC_SCAN_INVALID_KEY	X'643' Key of zero passed
400	(190)	SIGNED	4	SJRC_SCAN_INVALID_PARM	X'644' Parm number zero passed
Keylist service reason codes					
404	(194)	SIGNED	4	SJRC_KEYLIST_INVALID_PLIST	X'708' Invalid parameter list detected
408	(198)	SIGNED	4	SJRC_KEYLIST_VERB_NOT_DEF	X'709' Verb passed is not defined to the given JDVT
412	(19C)	SIGNED	4	SJRC_KEYLIST_NO_STORAGE	X'70A' Getmain could not obtain requested storage
416	(1A0)	SIGNED	4	SJRC_NO_KEYWORDS_TO_RETURN	X'70B' No keywords are associated with the given class specification
SWBTU Merge service reason codes					
420	(1A4)	SIGNED	4	SJRC_SWBTU_WITH_NO_TUS	X'76C' The SWBTU returned on output contains no text units, only a SWBTU prefix (IEFSJPFX)
424	(1A8)	SIGNED	4	SJRC_OUTAREA_OVERFLOW	X'76D' The output area supplied by the caller was not large enough for the resulting SWBTU

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
428	(1AC)	SIGNED	4	SJRC_BASE_SWBTU_CONFLICT	X'76E' The base SWBTU pointer list address and the number of SWBTUs are inconsistent, one is zero and the other is non-zero
432	(1B0)	SIGNED	4	SJRC_MODIFY_SWBTU_CONFLICT	X'76F' The modify SWBTU pointer list address and the number of SWBTUs are inconsistent, one is zero and the other is non-zero
436	(1B4)	SIGNED	4	SJRC_ERASE_KEYS_CONFLICT	X'770' The erase key list address and size fields are inconsistent, one is zero and the other is non-zero
440	(1B8)	SIGNED	4	SJRC_OUTPUT_AREA_ERROR	X'771' The output area address is zero or the output area size field is not greater than zero
444	(1BC)	SIGNED	4	SJRC_INCORRECT_INPUT_COMBO	X'772' Neither a base SWBTU nor a modify SWBTU was provided, or a base SWBTU was provided but no modify SWBTU and no erase list were provided
448	(1C0)	SIGNED	4	SJRC_VERB_MISMATCH	X'773' The verb name in the modify SWBTU does not match the verb name in the base SWBTU
452	(1C4)	SIGNED	4	SJRC_SJSMP_PARM_ERROR	X'774' The version and length values are either inconsistent or undefined
456	(1C8)	SIGNED	4	SJRC_MODIFY_SWBTU_NO_TU	X'775' The modify SWBTU has no text units
Reason codes from 1950 to 1999 are used to indicate an error occurred in a service that uses return and reason codes that are not defined by IEFSJRC.					
460	(1CC)	SIGNED	4	SJRC_GETMAIN_FAILURE	X'79E' An unexpected return from a Getmain request was encountered. The return code from Getmain is in SJSMRETC and field SJSMERRS will contain a number representing which Getmain failed.
464	(1D0)	SIGNED	4	SJRC_FREEMAIN_FAILURE	X'79F' An unexpected return from a Freemain request was encountered The return code from Freemain is in SJSMRETC and field SJSMERRS will contain a number representing which Freemain failed.
468	(1D4)	SIGNED	4	SJRC_SPLICE_STORAGE_ERROR	X'7A0' An unexpected return from the SWBTUREQ SPLICE service to obtain the working storage size required for the service was encountered. The return code from SPLICE is in SJSMRETC and the reason code is in SJSMERRS.

Table 158. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
472	(1D8)	SIGNED	4	SJRC_BASE_SWBTU_ERROR	X'7A1' An error return from the SWBTUREQ SPLICE service to validate the base SWBTUs was encountered. The return code from SPLICE is in SJSMRETC and the reason code is in SJSMERRS.
476	(1DC)	SIGNED	4	SJRC_MODIFY_SWBTU_ERROR	X'7A2' An error return from the SWBTUREQ SPLICE service to validate the modify SWBTUs was encountered. The return code from SPLICE is in SJSMRETC and the reason code is in SJSMERRS.
MERGE SWB REASON CODES					
480	(1E0)	SIGNED	4	SJRCMRDV	X'7D1' Merge attempted for SWBs of different verbs
SJF Validate Reason Codes					
484	(1E4)	SIGNED	4	SJRCPMOD	X'835' Parameter modified during validation
488	(1E8)	SIGNED	4	SJRCBUFL	X'836' Output buffer length too small
IEFSJSWA REASON CODES					
492	(1EC)	SIGNED	4	SJRCSWAM	X'1F40' SWA MANAGER RETURNED A NON-ZERO RETURN CODE
496	(1F0)	SIGNED	4	SJRCIVCB	X'1F41' AN INVALID CONTROL BLOCK CHAIN POINTER WAS FOUND
500	(1F4)	SIGNED	4	SJRCIVAC	X'1F42' AN INVALID CONTROL BLOCK CHAIN ACRONYM WAS FOUND
IEFSJTOK REASON CODES					
504	(1F8)	SIGNED	4	SJRCITKN	X'1FA4' INVALID TOKEN TYPE REQUESTED

Table 159. Cross Reference for SJRC

Name	Offset	Hex Tag
SJRC_BASE_SWBTU_CONFLICT	1AC	76E
SJRC_BASE_SWBTU_ERROR	1D8	7A1
SJRC_ERASE_KEYS_CONFLICT	1B4	770
SJRC_FREEMAIN_FAILURE	1D0	79F
SJRC_GETMAIN_FAILURE	1CC	79E
SJRC_INCORRECT_INPUT_COMBO	1BC	772
SJRC_KEYLIST_INVALID_PLIST	194	708
SJRC_KEYLIST_NO_STORAGE	19C	70A
SJRC_KEYLIST_VERB_NOT_DEF	198	709
SJRC_MODIFY_SWBTU_CONFLICT	1B0	76F
SJRC_MODIFY_SWBTU_ERROR	1DC	7A2
SJRC_MODIFY_SWBTU_NO_TU	1C8	775
SJRC_NO_KEYWORDS_TO_RETURN	1A0	70B
SJRC_NOT_FOUND	180	640
SJRC_OUTAREA_OVERFLOW	1A8	76D

Table 159. Cross Reference for SJRC (continued)

Name	Offset	Hex Tag
SJRC_OUTPUT_AREA_ERROR	1B8	771
SJRC_SCAN_INVALID_KEY	18C	643
SJRC_SCAN_INVALID_PARM	190	644
SJRC_SCAN_INVALID_PLIST	188	642
SJRC_SCAN_VERB_DOESNT_MATCH	184	641
SJRC_SJSMP_PARM_ERROR	1C4	774
SJRC_SPLICE_STORAGE_ERROR	1D4	7A0
SJRC_SWBTU_WITH_NO_TUS	1A4	76C
SJRC_VERB_MISMATCH	1C0	773
SJRCALDL	F4	2BC
SJRCALLW	150	518
SJRCBKK	28	CC
SJRCBUFL	1E8	836
SJRCBVC	38	D1
SJRCCOPY	A0	1FB
SJRCDDNM	68	192
SJRCDFTJ	50	12E
SJRCDLVL	44	D4
SJRCDUPJ	4C	12D
SJRCDUPK	98	1F9
SJRCDUPV	100	321
SJRCEBIT	70	194
SJRCGEGM	120	3EB
SJRCGETJ	54	12F
SJRCGETS	128	44C
SJRCGLEN	11C	3EA
SJRCGMAX	8C	1F6
SJRCGSWB	114	3E8
SJRCIBIT	D8	228
SJRCIFUN	17C	5DF
SJRCIHEX	C0	203
SJRCINAN	7C	197
SJRCINUM	C4	204
SJRCINVJ	80	198
SJRCIREF	C8	205
SJRCISEQ	D4	227
SJRCITKN	1F8	1FA4
SJRCIVAC	1F4	1F42
SJRCIVBD	13C	4B4
SJRCIVCB	1F0	1F41
SJRCIVCH	88	1F5
SJRCIVCM	12C	4B0
SJRCIVDT	FC	320
SJRCIVID	4	1
SJRCIVKL	EC	25D
SJRCIVKN	E8	25C
SJRCIVKW	F0	25F
SJRCIVKY	94	1F8
SJRCIVLB	A8	1FD

Table 159. Cross Reference for SJRC (continued)

Name	Offset	Hex Tag
SJRCIVLN	84	1F4
SJRCIVQU	138	4B3
SJRCIVRB	A4	1FC
SJRCIVTK	8	2
SJRCIVTL	134	4B2
SJRCIVTP	130	4B1
SJRCIVTX	D0	226
SJRCLDEL	178	5DE
SJRCLMIN	90	1F7
SJRCLSTG	15C	51B
SJRCMORE	118	3E9
SJRCMRDV	1E0	7D1
SJRCNATH	144	515
SJRCNBIT	6C	193
SJRCNCMD	30	CF
SJRCNDAT	140	514
SJRCNDTA	124	3EC
SJRCNDYN	F8	2BD
SJRCNFCH	B4	200
SJRCNGRP	74	195
SJRCNJCH	14	5
SJRCNJDT	48	12C
SJRCNJDV	10	4
SJRCNKEY	20	CA
SJRCNKWD	1C	C9
SJRCNLIV	BC	202
SJRCNLLN	AC	1FE
SJRCNLNM	B0	1FF
SJRCNNUM	9C	1FA
SJRCNOCB	158	51A
SJRCNOCH	B8	201
SJRCNOER	0	0
SJRCNOIP	3C	D2
SJRCNOPE	34	D0
SJRCNOST	78	196
SJRCNPRM	24	CB
SJRCNRET	164	51D
SJRCNSCH	60	190
SJRCNSDT	5C	132
SJRCNSLE	2C	CE
SJRCNSTG	148	516
SJRCNSWB	C	3
SJRCNUPD	14C	517
SJRCNVRB	18	C8
SJRCPERR	16C	579
SJRCPLEN	10C	386
SJRCPLST	154	519
SJRCPMOD	1E4	835
SJRCPRMN	168	578

Table 159. Cross Reference for SJRC (continued)

Name	Offset	Hex Tag
SJRCPSWB	104	384
SJRCPTUL	110	387
SJRCPUGM	108	385
SJRCSSTG	160	51C
SJRCSTEP	64	191
SJRCSTRA	E4	25B
SJRCSTRS	DC	258
SJRCSUHT	58	130
SJRCSWAM	1EC	1F40
SJRCUSEH	170	5DC
SJRCUSEZ	174	5DD
SJRCVAOC	40	D3
SJRCWSPC	E0	259
SJRCZKEY	CC	206

SJRC mapping

Chapter 35. SJREP Information

SJREP Programming Interface Information

The following fields are **NOT** programming interface information:

- SJREANBK
- SJREANCA
- SJRENREC

SJREP Heading Information

Common Name:	SJF Retrieve Parameter List
Macro ID:	IEFSJREP
DSECT Name:	SJREP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJRE Offset: 0 Length: 4
Storage Attributes:	Key: Key of caller
Size:	48 bytes
Created by:	Caller of SJFREQ REQUEST=RETRIEVE
Pointed to by:	On entry to SJF, register 1 points to a word that points to SJREP.
Serialization:	None
Function:	Maps the input and output to the SJF Retrieve Routine

SJREP mapping

Table 160. Structure SJREP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SJREP	
0	(0)	CHARACTER	4	SJREID	IDENTIFIER 'SJRE'
4	(4)	BITSTRING	1	SJREVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJREFLAG	CONTROL FLAGS
		1...		SJRENREC	"X'80'" NO RECOVERY
		.1..		SJRENOCU	"X'40'" NO CLEANUP
6	(6)	SIGNED	2	SJRELEN	LENGTH OF PARAMETER LIST
8	(8)	SIGNED	4	SJRESTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJREREAS	REASON CODE
16	(10)	CHARACTER	8	SJREJDVT	NAME OF JDVT OR ZEROES
24	(18)	DBL WORD	8	SJRETOKN(0)	SWB CHAIN TOKEN
24	(18)	SIGNED	4	SJREANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
28	(1C)	SIGNED	4	SJREANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
32	(20)	SIGNED	4	SJREAREA	STORAGE AREA ADDRESS
36	(24)	SIGNED	2	SJRESIZE	SIZE OF STORAGE AREA

Table 160. Structure SJREP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
38	(26)	SIGNED	2	SJRENKWD	NUMBER OF KEYWORDS PASSED
40	(28)	SIGNED	4	SJREKWDL	KEYWORD LIST ADDRESS
44	(2C)	SIGNED	4	SJREKERR	ADDRESS OF KEYWORD CAUSING ERROR
44	(2C)	X'30'	0	SJRELGTH	"*-SJREP" LENGTH OF THE SJF RETRIEVE PARAMETER LIST
44	(2C)	X'1'	0	SJRECVER	"01" CURRENT VERSION NUMBER

Table 161. Structure SJRELIST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SJRELIST	KEYWORD LIST
0	(0)	CHARACTER	8	SJREKEYW	KEYWORD FOR RETRIEVE
8	(8)	SIGNED	4	SJRETPAD	ADDRESS OF A LIST OF TEXT UNIT POINTERS
8	(8)	X'C'	0	SJREKLEN	"*-SJRELIST" LENGTH OF ONE KEYWORD LIST ENTRY

Table 162. Cross Reference for SJREP

Name	Offset	Hex Tag
SJREANBK	18	
SJREANCA	1C	
SJREAREA	20	
SJRECVER	2C	1
SJREFLAG	5	
SJREID	0	
SJREJDVT	10	
SJREKERR	2C	
SJREKEYW	0	
SJREKLEN	8	C
SJREKWDL	28	
SJRELEN	6	
SJRELGTH	2C	30
SJRELIST	0	
SJRENKWD	26	
SJRENOCU	5	40
SJRENREC	5	80
SJREP	0	
SJREREAS	C	
SJRESIZE	24	
SJRESTOR	8	
SJRETOKN	18	
SJRETPAD	8	
SJREVERS	4	

Chapter 36. SJRSP Information

SJRSP Heading Information

Common Name:	Scheduler JCL Facility Return SWB Parameter List
Macro ID:	IEFSJRSP
DSECT Name:	SJRSP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJRS Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key
Size:	24 bytes
Created by:	Caller of SJFREQ REQUEST=RETURNSWB
Pointed to by:	On entry to SJF, register 1 points to a word that points to SJRSP
Serialization:	None
Function:	Maps the input to the SJF Return SWB routine.

SJRSP mapping

Table 163. Structure SJRSP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	SJRSP	RETURN SWB PARAMETER LIST
0	(0)	CHARACTER	4	SJRSID	IDENTIFIER 'SJRS'
4	(4)	UNSIGNED	1	SJRSVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJRSFLAG	CONTROL FLAGS
		1...		SJRSNREC	NO RECOVERY
		.1..		SJRSNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJRSLEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJRSSTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJRSREAS	REASON CODE
16	(10)	CHARACTER	8	SJRSTOKN	SWB STRUCTURE TOKEN
24	(18)	CHARACTER	0	*	WORD ALIGNMENT

Table 164. Constants for SJRSP

Len	Type	Value	Name	Description
	ADDITIONAL DATA NEEDED FOR RETURN SWB PARAMETER LIST			
4	CHARACTER	SJRS	SJRSCID	IDENTIFIER
1	DECIMAL	1	SJRSCVER	CURRENT VERSION NUMBER

Table 165. Cross Reference for SJRSP

Name	Offset	Hex Tag
SJRSFLAG	5	
SJRSID	0	

Table 165. Cross Reference for SJRSP (continued)

Name	Offset	Hex Tag
SJRSLEN	6	
SJRSNOCU	5	40
SJRSNREC	5	80
SJRSP	0	
SJRSREAS	C	
SJRSSTOR	8	
SJRSTOKN	10	
SJRSVERS	4	

Chapter 37. SJRUP Information

SJRUP Heading Information

Common Name:	Scheduler JCL Facility Update Parameter List
Macro ID:	IEFSJRUP
DSECT Name:	SJRUP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJRU Offset: 0 Length: 4
Storage Attributes:	Subpool: Caller's Key: Caller's
Size:	60 bytes
Created by:	Caller
Pointed to by:	Caller sets up Register 1 pointing to a word which points to SJRUP.
Serialization:	None
Function:	Maps the input to the Scheduler JCL Facility Update routine.

SJRUP mapping

Table 166. Structure SJRUP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	60	SJRUP	SJF UPDATE PARAMETER LIST
0	(0)	CHARACTER	4	SJRUID	IDENTIFIER 'SJRU'
4	(4)	UNSIGNED	1	SJRUVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJRUFLAG	CONTROL FLAGS
		1...		SJRUNREC	NO RECOVERY
		.1..		SJRUNOCU	NO CLEANUP
		..11 1111		*	RESERVED
6	(6)	SIGNED	2	SJRULEN	LENGTH OF PARAMETER LIST
8	(8)	ADDRESS	4	SJRUSTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJRUREAS	REASON CODE
16	(10)	SIGNED	4	SJRUINPT	POINTER TO THE LIST OF TEXT POINTERS
20	(14)	CHARACTER	8	SJRUJDVT	NAME OF JDVT OR ZEROES
28	(1C)	CHARACTER	8	SJRUVERB	VERB
36	(24)	CHARACTER	8	SJRULABL	LABEL
44	(2C)	CHARACTER	8	SJRUTOKN	SWB CHAIN TOKEN
44	(2C)	CHARACTER	4	SJRUANBK	ADDRESS OF CONTROL BLOCK FOR A JCL STATEMENT (JCT, SCT, SIOT OR SWB) OR THE ADDRESS OF A SWB CHAIN
48	(30)	ADDRESS	4	SJRUANCA	ADDRESS OF A WORD POINTING TO A SWB CHAIN OR ZERO
52	(34)	BITSTRING	1	SJRUFUNC	FLAG FIELD
		1...		SJRUSYST	SYSTEM INPUT
		.1..		SJRUNSWA	REQUEST FOR A NON SWA SWB
		..1.		SJRUVERF	VERIFICATION ONLY

Table 166. Structure SJRUP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		SJRUNREF	DO NOT CHECK REFERENCES
		.... 1...		SJRUCONT	CONTINUATION TEXT UNIT
		.... .1..		SJRUJRNL	JOURNALING REQUESTED
		.... ..1.		SJRUWARN	CONTINUE PROCESSING AFTER AN ERROR WHICH IS DUE TO CHANGES IN THE JDTS FROM RELEASE TO RELEASE IS ENCOUNTERED
		1		SJRUDYNS	DYNAMIC SWB TO BE CREATED. THIS BIT INDICATES THAT IF SWBS ARE BUILT THEY SHOULD BE MARKED DYNAMICALLY CREATED
53	(35)	UNSIGNED	1	SJRUPARM	NUMBER OF PARAMETERS ALREADY PROCESSED IN THE FIRST TEXT UNIT
54	(36)	CHARACTER	2	SJRUERRK	KEY IN ERROR
56	(38)	CHARACTER	0	SJRUV1ND	END OF VERSION 1 PARMLIST
56	(38)	BITSTRING	1	SJRUFNC2	FLAG FIELD
		1...		SJRUOSER	SERIALIZATION ON SWB USE COUNT IS NOT REQUIRED
		.1..		SJRUONEU	A ONE USE SWB CHAIN IS TO BE CREATED
		..1.		SJRUMODI	Caller requests that text units be updated if parameter validation results in in modification of parameter data
		...1		SJRUCONV	Caller requests that text unit value be converted
		.... 111.		*	Reserved
		1		SJRUMODT	Caller's data was modified as part of validation (output)@L5A
57	(39)	CHARACTER	3	SJRUSVA	SVA TO BE REASSIGNED TO SWB (FOR SWA RELOCATOR)

Table 167. Constants for SJRUP

Len	Type	Value	Name	Description
4	CHARACTER	SJRU	SJRUCID	IDENTIFIER
1	DECIMAL	2	SJRUCVER	CURRENT VERSION NUMBER

Table 168. Cross Reference for SJRUP

Name	Offset	Hex Tag
SJRUANBK	2C	
SJRUANCA	30	
SJRUCONT	34	08
SJRUCONV	38	10
SJRUDYNS	34	01
SJRUERRK	36	
SJRUFLAG	5	
SJRUFNC2	38	
SJRUFUNC	34	
SJRUID	0	
SJRUINPT	10	

Table 168. Cross Reference for SJRUP (continued)

Name	Offset	Hex Tag
SJRUJDVT	14	
SJRUJRNL	34	04
SJRULABL	24	
SJRULEN	6	
SJRUMODI	38	20
SJRUMODT	38	01
SJRUNOCU	5	40
SJRUNREC	5	80
SJRUNREF	34	10
SJRUNSWA	34	40
SJRUONEU	38	40
SJRUOSER	38	80
SJRUP	0	
SJRUPARM	35	
SJRUREAS	C	
SJRUSTOR	8	
SJRUSVA	39	
SJRUSYST	34	80
SJRUTOKN	2C	
SJRUVERB	1C	
SJRUVERF	34	20
SJRUVERS	4	
SJRUV1ND	38	
SJRUWARN	34	02

Chapter 38. SJSCP Information

SJSCP Heading Information

Common Name:	SCHEDULER JCL FACILITY SCAN SWB CHAIN PARAMETER LIST
Macro ID:	IEFSJSCP
DSECT Name:	SJSCP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJSC Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key
Size:	54 bytes
Created by:	N/A
Pointed to by:	N/A
Serialization:	None
Function:	Mapping for the Scheduler JCL Facility Scan SWB Chain parameter list.

SJSCP mapping

Table 169. Structure SJSCP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	58	SJSCP	Scan SWB parameter list
0	(0)	CHARACTER	4	SJSCID	Identifier 'SJSC'
4	(4)	UNSIGNED	1	SJSCVERS	Version number
5	(5)	BITSTRING	1	SJSCFLAG	Control flag byte
		1...		SJSCNREC	No recovery
		.1..		SJSCNOCU	No cleanup
		..11 1111		*	Reserved
6	(6)	SIGNED	2	SJSCLEN	Length of parameter list
8	(8)	ADDRESS	4	SJSCSTOR	Local storage pointer or zero
12	(C)	SIGNED	4	SJSCREAS	Reason code
16	(10)	BITSTRING	1	SJSCFLG2	Flag byte
		1...		SJSCNEXT	Scan next SWB processing
		.1..		SJSCOSER	Serialization on SWB use count is not to be obtained, if flag is on
		..1.		SJSCRSWB	If on, indicates that RETURN SWB is to be issued for input token passed
		...1 1111		*	Reserved for IBM use
17	(11)	CHARACTER	3	SJSCRSV1	Reserved for IBM use
20	(14)	CHARACTER	8	SJSCTOKN	SWB chain token
28	(1C)	CHARACTER	8	SJSCJDVT	JDVT name
36	(24)	CHARACTER	8	SJSCVERB	Verb name
44	(2C)	UNSIGNED	2	SJSCKEY	Key number
46	(2E)	UNSIGNED	1	SJSCPARM	Parameter number
47	(2F)	CHARACTER	1	SJSCRSV3	Reserved for IBM use

Table 169. Structure SJSCP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
48	(30)	ADDRESS	4	SJSCVAL	Address of an area containing the value to be scanned for
52	(34)	UNSIGNED	2	SJSCVLEN	Length of the value field referenced by SJSCVAL
54	(36)	CHARACTER	4	SJSCRSV2	Reserved for IBM use

Table 170. Constants for SJSCP

Len	Type	Value	Name	Description
Additional data needed for parameter list				
4	CHARACTER	SJSC	SJSCCID	Parameter list identifier
1	DECIMAL	1	SJSCCVER	Version number

Table 171. Cross Reference for SJSCP

Name	Offset	Hex Tag
SJSCFLAG	5	
SJSCFLG2	10	
SJSCID	0	
SJSCJDVT	1C	
SJSCKEY	2C	
SJSCLEN	6	
SJSCNEXT	10	80
SJSCNOCU	5	40
SJSCNREC	5	80
SJSCOSER	10	40
SJSCP	0	
SJSCPARM	2E	
SJSCREAS	C	
SJSCRSV1	11	
SJSCRSV2	36	
SJSCRSV3	2F	
SJSCRSWB	10	20
SJSCSTOR	8	
SJSCTOKN	14	
SJSCVAL	30	
SJSCVERB	24	
SJSCVERS	4	
SJSCVLEN	34	

Chapter 39. SJSMP Information

SJSMP Programming Interface Information

The following field is **NOT** programming interface information:

- SJSMNREC

SJSMP Heading Information

Common Name:	Scheduler JCL Facility SWBTU_MERGE Parameter List
Macro ID:	IEFSJSMP
DSECT Name:	SJSMP, SJSMSBTL
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJSM Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key Residency: Any
Size:	72 bytes
Created by:	Caller of SJFREQ REQUEST=SWBTU_MERGE
Pointed to by:	On entry to SJF, register 1 points to a word that points to SJSMP.
Serialization:	None
Function:	Mapping for the Scheduler JCL Facility SWB TU Merge Service Parameter List.

SJSMP mapping

Table 172. Structure SJSMP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SJSMP	SWBTU_MERGE Parameter List
0	(0)	CHARACTER	4	SJSMID	Identifier 'SJSM'
4	(4)	BITSTRING	1	SJSMVERS	Version number
5	(5)	BITSTRING	1	SJSMFLAG	Control Flag
		1...		SJSMNREC	"X'80'" No recovery
		.1..		SJSMNOCU	"X'40'" No cleanup
6	(6)	SIGNED	2	SJSMLEN	Length of SJSMP parameter list, does not include areas pointed to by this segment.
8	(8)	ADDRESS	4	SJSMSTOR	Local storage pointer (returned from previous SJF call) or zero. If SJSMNOCU is specified, then returned as output.
12	(C)	SIGNED	4	SJSMREAS	Reason code (returned as output)
16	(10)	ADDRESS	4	SJSMAREA	Address of output area for returned single SWBTU
20	(14)	SIGNED	2	SJSMSIZE	Size of single SWBTU return area
22	(16)	SIGNED	2	SJSMSWBN	Number of base SWBTUs or zero - refer to SJSMSBTL

Table 172. Structure SJSMP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
24	(18)	ADDRESS	4	SJSMSWBA	Address of base SWBTU pointer list - refer to SJSMSBTL
28	(1C)	ADDRESS	4	SJSMMTUP	Address of pointer list of override (modify) SWBTUs or zero - refer to SJSMSBTL
32	(20)	SIGNED	2	SJSMMTUN	Number of override SWBTUs or zero - refer to SJSMSBTL
34	(22)	SIGNED	2	SJSMETUS	Size of erase text unit list or zero
36	(24)	ADDRESS	4	SJSMETUP	Address of area containing contiguous text units (key and zero number of parameters) to be erased from the base SWBTUs - refer to IEFDOTUM
40	(28)	CHARACTER	8	SJSMJDVT	Name of JDVT used to create the SWBTUs - also returned as output
48	(30)	BITSTRING	1	SJSMFLG2	Options flag
		1...		SJSMWARN	"X'80'" Continue processing after an error is encountered which is due to changes in the JDTs between releases
		.1..		SJSMBYMV	"X'40'" Bypass JDT validation of text units in modify SWBTU
		..1.		SJSMBYEV	"X'20'" Bypass JDT validation of keys in erase key list
49	(31)	CHARACTER	1	SJSMRSV1	Reserved
50	(32)	SIGNED	2	SJSMTULN	Size of returned single output SWBTU (returned)
52	(34)	SIGNED	4	SJSMRETC	Unexpected return code of a service used in SWBTU_MERGE. Set when SJSMREAS is in range 1950 through 1999.
56	(38)	SIGNED	4	SJSMERRS	Reason code returned along with unexpected return code in SJSMRETC. Set when SJSMREAS is in range 1950 through 1999. For a Getmain or Freemain error, then this field indicated the relative number of the request (for service).
60	(3C)	ADDRESS	4	SJSMERRP	Address of SWBTU pointer list entry where a SWBTU error was encountered
64	(40)	BITSTRING	2	SJSMMKER	Key of modify SWBTU text unit where a JDT validation error occurred
66	(42)	BITSTRING	2	SJSMEKER	Key of erase key list where a JDT validation error occurred
68	(44)	CHARACTER	4	SJSMRSV2	Reserved
68	(44)	X'48'	0	SJSMLGTH	"*-SJSMP" Length of the SWBTU_MERGE Parameter List
68	(44)	X'D1E2D4'	0	SJSMCID	"C'SJSM'" Parameter list identifier
68	(44)	X'1'	0	SJSMCVER	"1" Current version number

Table 173. Structure SJSMSBTL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SJSMSBTL	SWBTU Address list
0	(0)	SIGNED	4	(0)	
0	(0)	ADDRESS	4	SJSMSTUP	SWBTU address
0	(0)	X'4'	0	SJSMSLEN	"*-SJSMSBTL" Length of one SWBTU address list entry

Table 174. Cross Reference for SJSMP

Name	Offset	Hex Tag
SJSMAREA	10	
SJSMBYEV	30	20
SJSMBYMV	30	40
SJSMCID	44	D1E2D4
SJSMCVER	44	1
SJSMEKER	42	
SJSMERRP	3C	
SJSMERRS	38	
SJSMETUP	24	
SJSMETUS	22	
SJSMFLAG	5	
SJSMFLG2	30	
SJSMID	0	
SJSMJDVT	28	
SJSMLEN	6	
SJSMLGTH	44	48
SJSMMKER	40	
SJSMMTUN	20	
SJSMMTUP	1C	
SJSMNOCU	5	40
SJSMNREC	5	80
SJSMP	0	
SJSMREAS	C	
SJSMRETC	34	
SJSMRSV1	31	
SJSMRSV2	44	
SJSMSBTL	0	
SJSMSIZE	14	
SJSMSLEN	0	4
SJSMSTOR	8	
SJSMSTUP	0	
SJSMSWBA	18	
SJSMSWBN	16	
SJSMTULN	32	
SJSMVERS	4	
SJSMWARN	30	80

Chapter 40. SJTRC Information

SJTRC Programming Interface Information

The following fields are **NOT** programming interface information:

- SJTRCWSE
- SJTRSWID

SJTRC Heading Information

Common Name:	Scheduler JCL Facility (SJF) SWBTUREQ Services Return and Reason Codes
Macro ID:	IEFSJTRC
DSECT Name:	n/a
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	none
Storage Attributes:	Virtual Storage: included in module's dynamic area
Size:	n/a
Created by:	n/a
Pointed to by:	n/a
Serialization:	None
Function:	This macro defines the return and reason codes for the services of the SWBTUREQ macro facility.

SJTRC mapping

Table 175. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 175. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
      START OF SPECIFICATIONS
      MACRO NAME = IEFSJTRC
      DESCRIPTIVE NAME = Scheduler JCL Facility (SJF) SWBTUREQ
                         Services Return and Reason Codes
   01 PROPRIETARY STATEMENT=
     PROPRIETARY_STATEMENT
    LICENSED MATERIALS - PROPERTY OF IBM
    THIS MACRO IS "RESTRICTED MATERIALS OF IBM"
    5655-068 (C) COPYRIGHT IBM CORP. 1990, 1993
    SEE COPYRIGHT INSTRUCTIONS
    STATUS= HBB5510
     END_OF_PROPRIETARY_STATEMENT
      FUNCTION = This macro defines the return and reason codes for
                 the services of the SWBTUREQ macro facility.
    MODULE TYPE = MACRO
      DSECT NAME = n/a
      ACRONYM = none
      COMPONENT = Scheduler JCL Facility (BB131)
   01 EXTERNAL CLASSIFICATION:
   02 GUPI: BASE
   02 DMTI: FIELDS
             SJTRCWSE
             SJTRSWID
   01 END OF EXTERNAL CLASSIFICATION
    EYE CATCHER = none
         OFFSET = n/a
         LENGTH = n/a
    STORAGE ATTRIBUTES =
          Virtual Storage = included in module's dynamic area
    SIZE = n/a
    CREATED BY = n/a
    POINTED TO BY = n/a
    SERIALIZATION = None
      NOTES =
           Bilingual Mapping Macro (PL/AS and BAL)
        DEPENDENCIES = None
        RESTRICTIONS = None
     INVOCATION =
        PL/AS VERSION =
     %INCLUDE SYSLIB(IEFSJTRC)
      PARAMETER DESCRIPTION = N/A
      PARAMETER INTERDEPENDENCIES = None
        BAL VERSION =
        name name: symbol. Begin name in column 1.
     b one or more blanks (up to nine)
     IEFSJTRC should start in column 10
     b one or more blanks
      PARAMETER DESCRIPTION = N/A
      PARAMETER INTERDEPENDENCIES = None
      CREATED BY = N/A
      POINTED TO BY = N/A
      DELETED BY = N/A
      SERIALIZATION = N/A
      STORAGE ATTRIBUTES = N/A
      COMPONENT = Scheduler JCL Facility (BB131)
      DISTRIBUTION LIBRARY = AMACLIB
      CHANGE ACTIVITY =
      $L0= EMVS2 HBB4410 881221 PDZ1: SWBTUREQ Services
      $L1= EMVS2 HBB4410 890206 PDS7: ENTERPRISE II
```

Table 175. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		$P1= PEO1546 HBB4410 890213 PDZ1: ENTERPRISE MVS/II $P2= PEO3890 HBB4410 900330 PDDZ: JCL ENHANCEMENTS $P3= PIG1424 HBB5510 930715 PDDZ: SHOWHDR Compliance $01= OW01924 HBB4430 940330 PDH1: ENTERPRISE MVS/II END OF SPECIFICATIONS A - New macro defined as part of Enterprise II support. A - Additional reason codes for SWBTUREQ REQUEST=SPLIT. A - Added new return code SJTRCSPE as return code 12 (x'0C') A - Added new reason code SJTRCEKY for SJTRKEYL error. C - Changed prolog to be SHOWHDR compliant. A - Added new reason code SJTRLENP for invalid length error %GOTO SJTRCBEG; SWBTUREQ Return Codes - All Services			
0	(0) X'0'	0	SJTRCNRM	"0" X'00' - processing successful
0	(0) X'4'	0	SJTRCSIZ	"4" X'04' - not enough storage or no requested items found
0	(0) X'8'	0	SJTRCPRM	"8" X'08' - parameter error
0	(0) X'C'	0	SJTRCSPE	"12" X'0C' - severe parameter list error
	EQU 16 X'10' - not used			
0	(0) X'14'	0	SJTRCABN	"20" X'14' - logical error detected
0	(0) X'18'	0	SJTRCSNA	"24" X'18' - SWBTUREQ services not initialized
	SWBTUREQ COMMON REASON CODES			
0	(0) X'0'	0	SJTRCOK	"0" X'000' - processing successful
0	(0) X'4'	0	SJTRWSZR	"4" X'004' - more working storage required, refer to working storage size field that is returned.
0	(0) X'8'	0	SJTRDSZR	"8" X'008' - more storage required for output area, refer to output area size field that is returned.
0	(0) X'14'	0	SJTRCIDE	"20" X'014' - input parameter list id error
0	(0) X'15'	0	SJTRCLEN	"21" X'015' - input parameter list length error
0	(0) X'16'	0	SJTRCVRE	"22" X'016' - input parameter list version number error
0	(0) X'17'	0	SJTRCFNC	"23" X'017' - unknown function code request
0	(0) X'18'	0	SJTRCNST	"24" X'018' - at least one SWBTU is required on input
0	(0) X'19'	0	SJTRCIST	"25" X'019' - SWBTU prefix id not valid
0	(0) X'1A'	0	SJTRLENP	"26" X'01A' - Storage to be moved is invalid - DOCNTLEN field contains a negative value
	SWBTUREQ RETRIEVE AND SPLICE COMMON REASON CODES			

Table 175. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	X'28'	0	SJTRCVLE	"40" X'028' - verbs and/or labels do not match for SWBTUs
0	(0)	X'29'	0	SJTRCARE	"41" X'029' - invalid combination of SJTCAREA and SJTCSIZE
	SWBTUREQ SPLICE AND SPLIT COMMON REASON CODES				
0	(0)	X'3C'	0	SJTRCWSE	"60" X'03C' - working storage invalid for subsequent request
	SWBTUREQ RETRIEVE REASON CODES				
0	(0)	X'64'	0	SJTRNOKY	"100" X'064' - no keys in the input key list were found in the SWBTUs
0	(0)	X'65'	0	SJTRCNKY	"101" X'065' - a key list entry, SJTRKYID, has no key specified
0	(0)	X'66'	0	SJTRCEKY	"102" X'066' - cannot reference SJTRKEYL, SJTRKIDL or SJTRKIDN error
	SWBTUREQ SPLICE REASON CODES SWBTUREQ SPLIT REASON CODES				
0	(0)	X'12C'	0	SJTRSWID	"300" X'12C' - Invalid address/length on list of output SWBTUs

Table 176. Cross Reference for SJTRC

Name	Offset	Hex Tag
SJTRCABN	0	14
SJTRCARE	0	29
SJTRCEKY	0	66
SJTRCFNC	0	17
SJTRCIDE	0	14
SJTRCIST	0	19
SJTRCLEN	0	15
SJTRCNKY	0	65
SJTRCNRM	0	0
SJTRCNST	0	18
SJTRCOK	0	0
SJTRCPRM	0	8
SJTRCSIZ	0	4
SJTRCSNA	0	18
SJTRCSPE	0	C
SJTRCVLE	0	28
SJTRCVRE	0	16
SJTRCWSE	0	3C
SJTRDSZR	0	8
SJTRLENP	0	1A
SJTRNOKY	0	64
SJTRSWID	0	12C
SJTRWSZR	0	4

Chapter 41. SJTRP Information

SJTRP Programming Interface Information

SJTRP is a programming interface.

SJTRP Heading Information

Common Name:	Scheduler JCL Facility SWBTUREQ RETRIEVE Parameter List
Macro ID:	IEFSJTRP
DSECT Name:	SJTRP, SJTRKEYL for key retrieve table, SJTRSBTL
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJTR Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key
Size:	52 bytes
Created by:	Caller of SWBTUREQ REQUEST=RETRIEVE.
Pointed to by:	On entry to SJF, register 1 points to a word that points to SJTRP
Serialization:	None
Function:	Maps the input/output parameter list to the SJF Text Unit Retrieve Service (SWBTUREQ REQUEST=RETRIEVE)

SJTRP mapping

Table 177. Structure SJTRP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SJTRP	
0	(0)	CHARACTER	4	SJTRID	Identifier 'SJTR'
4	(4)	BITSTRING	1	SJTRVERS	Version number
5	(5)	BITSTRING	1	SJTRFLAG	Reserved
6	(6)	SIGNED	2	SJTRLEN	Length of SJTRP parameter list
8	(8)	ADDRESS	4	SJTRSTOR	Local storage pointer
12	(C)	SIGNED	2	SJTRSTSZ	Local storage size
14	(E)	SIGNED	2	SJTRSWBN	Number of SWBTU pointers in SWBTU address list - refer to SJTRSBTL
16	(10)	ADDRESS	4	SJTRSWBA	Address of SWBTU address list - refer to SJTRSBTL
The following fields are returned as output					
20	(14)	SIGNED	4	SJTRREAS	Reason code
24	(18)	SIGNED	2	SJTRWKSZ	Working storage size required
26	(1A)	SIGNED	2	SJTRTULN	Area size for all matched text units. This value is filled in whether or not enough output area storage was provided

Table 177. Structure SJTRP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
28	(1C)	ADDRESS	4	SJTRERRP	Address of key list entry or SWBTU pointer list entry where an error was encountered
32	(20)	SIGNED	4	SJTRRSVO	Reserved
		End of commonly mapped area. The following fields are provided on input			
36	(24)	ADDRESS	4	SJTRAREA	Text unit output area address. This area will contain the contiguous text unit strings based on the order of the requested keys
40	(28)	SIGNED	2	SJTRSIZE	Text unit output area size
42	(2A)	SIGNED	2	SJTRKIDN	Number of keys in key list - refer to SJTRKEYL
44	(2C)	ADDRESS	4	SJTRKIDL	Address of requested keys list - refer to SJTRKEYL
48	(30)	CHARACTER	4	SJTRRSVI	Reserved
48	(30)	X'34'	0	SJTRLGTH	"*-SJTRP" Length of the SWBTUREQ RETRIEVE Parameter list
48	(30)	X'D1E3D9'	0	SJTRCID	"C'SJTR'" Parameter list identifier
48	(30)	X'1'	0	SJTRCVER	"1" Current version number

Table 178. Structure SJTRSBTL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SJTRSBTL	SWBTU address list
0	(0)	SIGNED	4	(0)	
0	(0)	ADDRESS	4	SJTRSTUP	SWBTU address entry
4	(4)	SIGNED	4	SJTRSRSV	Reserved
4	(4)	X'8'	0	SJTRSLEN	"*-SJTRSBTL" Length of one SWBTU address entry

Table 179. Structure SJTRKEYL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SJTRKEYL	Key / TU pointer list
0	(0)	SIGNED	4	(0)	
0	(0)	BITSTRING	2	SJTRKYID	Key for retrieve
2	(2)	SIGNED	2		Reserved
4	(4)	ADDRESS	4	SJTRTPAD	Address of this key's text unit in the text unit list output area pointed to by SJTRAREA
4	(4)	X'8'	0	SJTRKLEN	"*-SJTRKEYL" Length of one Key / TU address entry

Table 180. Cross Reference for SJTRP

Name	Offset	Hex Tag
SJTRAREA	24	

Table 180. Cross Reference for SJTRP (continued)

Name	Offset	Hex Tag
SJTRCID	30	D1E3D9
SJTRCVER	30	1
SJTRERRP	1C	
SJTRFLAG	5	
SJTRID	0	
SJTRKEYL	0	
SJTRKIDL	2C	
SJTRKIDN	2A	
SJTRKLEN	4	8
SJTRKYID	0	
SJTRLEN	6	
SJTRLGTH	30	34
SJTRP	0	
SJTRREAS	14	
SJTRRSVI	30	
SJTRRSVO	20	
SJTRSBTL	0	
SJTRSIZE	28	
SJTRSLEN	4	8
SJTRSRSV	4	
SJTRSTOR	8	
SJTRSTSZ	C	
SJTRSTUP	0	
SJTRSWBA	10	
SJTRSWBN	E	
SJTRTPAD	4	
SJTRTULN	1A	
SJTRVERS	4	
SJTRWKSZ	18	

Chapter 42. SJTSP Information

SJTSP Heading Information

Common Name:	Scheduler JCL Facility SWBTUREQ SPLICE and SPLIT Parameter List
Macro ID:	IEFSJTSP
DSECT Name:	SJTSP, SJTSSBL
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJTS Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: Caller's key Residency: Any
Size:	48 bytes
Created by:	Caller of SWBTUREQ REQUEST=SPLICE/SPLIT
Pointed to by:	On entry to SJF, register 1 points to a word that points to SJTSP
Serialization:	None
Function:	Maps the input/output parameter list to the SJF Text Unit Splice and Split services (SWBTUREQ REQUEST=SPLICE, SWBTUREQ REQUEST=SPLIT)

SJTSP mapping

Table 181. Structure SJTSP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	48	SJTSP	SWBTUREQ SPLICE/SPLIT parameter list
0	(0)	CHARACTER	4	SJTSID	Identifier 'SJTS'
4	(4)	UNSIGNED	1	SJTSVERS	Version number
5	(5)	BITSTRING	1	SJTSFLAG	Reserved
6	(6)	SIGNED	2	SJTSLEN	Length of SJTSP parameter list
8	(8)	ADDRESS	4	SJTSSTOR	Local storage pointer
12	(C)	SIGNED	2	SJTSSTSZ	Local storage size
14	(E)	SIGNED	2	SJTSSWBN	Number of SWBTU pointers in SWBTU address list - area mapped by SJTSSBTL
16	(10)	ADDRESS	4	SJTSSWBA	Address of SWBTU address list - area mapped by SJTSSBTL
The following fields are returned as output					
20	(14)	SIGNED	4	SJTSREAS	Reason code
24	(18)	SIGNED	2	SJTSWKSZ	Working storage size required

Table 181. Structure SJTSP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
26	(1A)	SIGNED	2	SJTSTULN	SPLICE request - area size required to splice all SWBTUs provided or actual size when splicing is completed. For SPLIT: specifies a single block size that would be required to split the remainder of the single input SWBTU.
28	(1C)	ADDRESS	4	SJTSERRP	Address of SWBTU address list entry where an error was encountered
32	(20)	SIGNED	4	SJTSRSVO	Reserved
		End of commonly mapped area. The following fields are provided on input			
36	(24)	ADDRESS	4	SJTSAREA	Address of single SWBTU area. Splice request - resulting SWBTU will be placed in this area. Split request - single SWBTU to be split up.
40	(28)	SIGNED	2	SJTSSIZE	Size of single SWBTU area, required only on SPLICE request
42	(2A)	BITSTRING	1	SJTSFLG1	Service request flag
		1...		SJTSUBSQ	Subsequent request
		.111 1111		*	Reserved
43	(2B)	CHARACTER	5	SJTSRSVI	Reserved

Table 182. Structure SJTSSBTL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	SJTSSBTL(*)	SWBTU Address / Length list
0	(0)	ADDRESS	4	SJTSSTUP	SWBTU address
		The following two fields are only used by the SPLIT service			
4	(4)	SIGNED	2	SJTSSBLN	Length of this output SWBTU area
6	(6)	SIGNED	2	SJTSSBRL	Length of SWBTU area returned by the service.

Table 183. Constants for SJTSP

Len	Type	Value	Name	Description
4	CHARACTER	SJTS	SJTSCID	Parameter list identifier
1	DECIMAL	1	SJTSCVER	Current version number

Table 184. Cross Reference for SJTSP

Name	Offset	Hex Tag
SJTSAREA	24	
SJTSERRP	1C	
SJTSFLAG	5	
SJTSFLG1	2A	
SJTSID	0	

Table 184. Cross Reference for SJTSP (continued)

Name	Offset	Hex Tag
SJTSLEN	6	
SJTSP	0	
SJTSREAS	14	
SJTSRSVI	2B	
SJTSRSVO	20	
SJTSSBLN	4	
SJTSSBRL	6	
SJTSSBTL	0	
SJTSSIZE	28	
SJTSSTOR	8	
SJTSSTSZ	C	
SJTSSTUP	0	
SJTSSWBA	10	
SJTSSWBN	E	
SJTSTULN	1A	
SJTSUBSQ	2A	80
SJTSVERS	4	
SJTSWKSZ	18	

Chapter 43. SJVEP Information

SJVEP Programming Interface Information

The following field is **NOT** programming interface information:

- SJVENREC

SJVEP Heading Information

Common Name:	SJF VERIFY Parameter List
Macro ID:	IEFSJVEP
DSECT Name:	SJVEP
Owning Component:	Scheduler JCL Facility (BB131)
Eye-Catcher ID:	SJVE Offset: 0 Length: 4
Storage Attributes:	Key: Key of caller for unauthorized callers, key 1 for authorized callers.
Size:	344 bytes
Created by:	Caller of SJFREQ REQUEST=VERIFY
Pointed to by:	On entry to SJF, register 1 points to a word that points to SJVEP
Serialization:	None
Function:	Maps the input and output to the SJF Verify Routine

SJVEP mapping

Table 185. Structure SJVEP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SJVEP	SJF VERIFY PARAMETER LIST
0	(0)	CHARACTER	4	SJVEID	IDENTIFIER 'SJVE'
4	(4)	BITSTRING	1	SJVEVERS	VERSION NUMBER
5	(5)	BITSTRING	1	SJVEFLAG	FUNCTION FLAGS
		1...		SJVENREC	"X'80'" NO RECOVERY
		.1..		SJVENOCU	"X'40'" NO CLEANUP
		..1.		SJVEUNAU	"X'20'" UNAUTHORIZED CALLER
6	(6)	SIGNED	2	SJVELEN	LENGTH OF PARAMETER LIST
8	(8)	SIGNED	4	SJVESTOR	LOCAL STORAGE POINTER OR ZERO
12	(C)	SIGNED	4	SJVEREAS	REASON CODE (RETURNED)
16	(10)	CHARACTER	8	SJVEJDVT	NAME OF JDVT OR ZEROES
24	(18)	CHARACTER	8	SJVECMND	COMMAND
32	(20)	SIGNED	4	SJVEOPEP	POINTER TO OPERAND
36	(24)	SIGNED	2	SJVEOPEL	LENGTH OF OPERAND
38	(26)	BITSTRING	1	SJVEPARM	SUBPARAMETER NUMBER
39	(27)	BITSTRING	1	SJVESUBL	SUBLIST ELEMENT NUMBER
40	(28)	SIGNED	4	SJVEPRMP	POINTER TO SUBPARAMETER DATA
44	(2C)	SIGNED	2	SJVEPRML	LENGTH OF SUBPARAMETER DATA
46	(2E)	SIGNED	2	SJVETUBL	LENGTH OF TEXT UNIT BUFFER
48	(30)	SIGNED	4	SJVETUBP	POINTER TO TEXT UNIT BUFFER

Table 185. Structure SJVEP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
52	(34)	BITSTRING	1	SJVEFLG1	VERIFY OPTION FLAGS
		1...		SJVELSTC	"X'80'" LAST CALL TO VERIFY FLAG
		.1..		SJVEQUOT	"X'40'" SUBPARAMETER WAS PASSED TO TSO IN QUOTES
		..1.		SJVERSBS	"X'20'" CALLER IS REQUESTING THAT SJVETUBS BE RETURNED
53	(35)	CHARACTER	1	SJVERSV1	RESERVED
54	(36)	SIGNED	2	SJVETUBS	AMOUNT OF STORAGE USED IN OUTPUT TEXT UNIT BUFFER
56	(38)	SIGNED	4	SJVETUPL	POINTER TO TEXT UNIT POINTER LIST (RETURNED)
60	(3C)	CHARACTER	64	SJVEOPD	OPERAND DESCRIPTION (RETURNED)
124	(7C)	SIGNED	2	SJVEOPDL	LENGTH OF OPERAND DESCRIPTION (RETURNED)
126	(7E)	SIGNED	2	SJVEMSGL	LENGTH OF MESSAGE INFORMATION (RETURNED)
128	(80)	CHARACTER	200	SJVEMSG	MESSAGE INFORMATION (RETURNED)
328	(148)	CHARACTER	8	SJVEPRFX	PREFIX FOR UNQUALIFIED DSN
336	(150)	CHARACTER	8	SJVERSV2	RESERVED
344	(158)	SIGNED	4	SJVEEND(0)	END OF THE SJF VERIFY PARAMETER LIST
344	(158)	X'158'	0	SJVELGTH	"SJVEEND-SJVEP" LENGTH OF THE SJF VERIFY PARAMETER LIST
344	(158)	X'2'	0	SJVECVER	"02" CURRENT VERSION NUMBER

Table 186. Cross Reference for SJVEP

Name	Offset	Hex Tag
SJVECMND	18	
SJVECVER	158	2
SJVEEND	158	
SJVEFLAG	5	
SJVEFLG1	34	
SJVEID	0	
SJVEJDVT	10	
SJVELEN	6	
SJVELGTH	158	158
SJVELSTC	34	80
SJVEMSG	80	
SJVEMSGL	7E	
SJVENOCU	5	40
SJVENREC	5	80
SJVEOPD	3C	
SJVEOPDL	7C	
SJVEOPEL	24	
SJVEOPEP	20	
SJVEP	0	
SJVEPARM	26	
SJVEPRFX	148	
SJVEPRML	2C	
SJVEPRMP	28	

Table 186. Cross Reference for SJVEP (continued)

Name	Offset	Hex Tag
SJVEQUOT	34	40
SJVEREAS	C	
SJVERSBS	34	20
SJVERSV1	35	
SJVERSV2	150	
SJVESTOR	8	
SJVESUBL	27	
SJVETUBL	2E	
SJVETUBP	30	
SJVETUBS	36	
SJVETUPL	38	
SJVEUNAU	5	20
SJVEVERS	4	

Chapter 44. SLFP Information

SLFP Heading Information

Common Name: RTM SLIP FRR Parameter Area
Macro ID: IHASLFP
DSECT Name: SLFP
Owning Component: SLIP (SCSLP)
Eye-Catcher ID: None
Storage Attributes: Subpool: 239
Key: 0
Residency: ANY
Size: 24 bytes
Created by: IEAVTSLP
Pointed to by: None
Serialization: None
Function: FRR parameter area used by the SLIP action processor.

SLFP mapping

Table 187. Structure SLFP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	SLFP	
0	(0)	CHARACTER	8	SLFPFLGS	ERROR RECOVERY AUDIT TRAIL FLAGS
0	(0)	BITSTRING	1	SLFPFLG1	
		1...		SLFPRTS	RTS ENVIRONMENT
		.1..		SLFPRT2	RT2 ENVIRONMENT
		..1.		SLFPPER	PER ENVIRONMENT
		...1		SLFPRTM	RTM ENVIRONMENT
		.... 1...		SLFPSM	SYSTEM MASK MUST BE RESTORED
		.... .1..		SLFPRST	RESTART LOCKWORD MUST BE RELEASED
		.... ..1.		SLFPVAL	SLIP FRR PARAMETER AREA COMPLETE
		1		SLFPFRR	THE FRR IS IN CONTROL
1	(1)	BITSTRING	1	SLFPFLG2	MATCH ROUTINE IN CONTROL
2	(2)	BITSTRING	1	SLFPFLG3	
		1...		SLFPCHDU	CHNGDUMP ROUTINE IS IN CONTROL
		.1..		SLFPDU	DUMPIT ROUTINE IS IN CONTROL
		..1.		SLFPDETR	DETRMODE ROUTINE IS IN CONTROL
		...1		SLFPADR	IEAVTADR IS IN CONTROL
		.... 1...		SLFPFPR	FLOATING POINT REGISTER MUST BE RESTORED
		.... .1..		SLFPSDLK	FOR DUMPIT SUBROUTINE, INDICATES THE SDUMP 4K BUFFER HAS BEEN LOCKED
		.... ..1.		SLFPMTCH	MATCHING SLIP TRAP HAS BEEN FOUND
		1		SLFPLOCK	LOCAL LOCK IS HELD
3	(3)	BITSTRING	1	SLFPFLG4	

Table 187. Structure SLFP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		11..		SLFPMAIN	CURRENT MAINLINE SLIP MODULE IN CONTROL
		..11		SLFPMRTN	CURRENT MATCH ROUTINE MODULE IN CONTROL
		.... 1...		SLFPSRTN	IEAVTSLS IS IN CONTROL
		.... .1..		SLFPMSG992OBTAINED	Msg IEA992I info area has been obtained
		11		*	RESERVED
4	(4)	BITSTRING	1	SLFPFLG5	
		1...		SLFPINST	INSTRUCTION CAUSING PER INTERRUPT IS BEING EXAMINED
		.1..		SLFPUDA	USER DATA IS BEING RETRIEVED
		..1.		SLFPSAEX	INSTRUCTION CAUSING PER INTERRUPT IS BEING EXAMINED IN ASIDSA SUBROUTINE
		...1		SLFPCMTS	CMSET SSARTO ISSUED IN IEAVTSLS
		.... 1...		SLFPCMD1	CMSET IN DSSA ROUTINE WITHIN IEAVTSL1
		.... .1..		SLFPCMT2	CMSET SSARTO ISSUED IN IEAVTSL2
		.... ..1.		SLFPCMP2	CMSET DONE IN PVTMOD SEGMENT IN IEAVTSL2
		1		SLFPCM2S	CMSET IN ASIDLST ROUTINE WITHIN IEAVTSLS
5	(5)	BITSTRING	1	SLFPFLG6	RECOVERY FLAGS
		1...		SLFPCMT1	CMSET IN ASIDSA ROUTINE WITHIN IEAVTSL1
		.1..		SLFPJC3	ASVT accessed without serialization in IEAVTSL3
		..1.		SLFPWALK	Wait area lock obtained
		...1		SLFPVALK	SCVA DUMP LOCK OBTAINED
		.... 1...		SLFPSVCD	SVCD ISSUED
		.... .1..		SLFPNRST	INTERRUPTED WORK WAS STOPPED AND NEEDS TO BE RESET
		.... ..1.		SLFPCPU	CPU LOCK OBTAINED FOR CALLING SERVICE
		1		SLFPCML	CML LOCK OBTAINED, ASCB ADDRESS IS IN SLWAPASC
6	(6)	BITSTRING	1	SLFPFLG7	Recovery flags
		1...		SLFPJCT	ASVT accessed without serialization in IEAVTSLT
		.1..		SLFPCMSETINSLDRANGE	Issued CMSET in IEAVTSLD for range keyword
		..1.		SLFPCMSETINSLDPVTMOD	Issued CMSET in IEAVTSLD for pvtmod keyword
		...1		SLFPASVTACCESSEDINSLD	Accessing Asvt without serialization in IEAVTSLD
		.... 1...		SLFPSCESERIALIZEDTWICE	Sce chain was serialized on (a second time)
		.... .1..		SLFPSLDINCONTROL	Indicates that we are in module IEAVTSLD
		.... ..1.		SLFPLOWCOREPROTECTIONREMOVED	Indicates that low core protection has been removed

Table 187. Structure SLFP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SLFPCMSETINSL3	Indicates we are issuing a CMSET SSARTO in IEAVTSL3
7	(7)	BITSTRING	1	SLFPFLG8	More recovery flags
		1...		SLFPASVTACCESSEDINSL6	Accessing Asvt without serialization in IEAVTSL6
		.1..		SLFPCMSETINSL6STDATA	Issued CMSET in IEAVTSL6 for STDATA keyword
		..1.		SLFPCAPTUREINSL6	Attempting to capture data for STDATA in IEAVTSL6
		...1		SLFPASVTACCESSEDSYSLIST	Accessing Asvt without serialization while processing syslist in IEAVTSL7
		.... 1...		SLFPCMSETSYSLIST	Issued a CMSET in IEAVTSL7 while processing SYSLIST
		.... .1..		SLFPRESOLVESYSLIST	Attempting to resolve a system name for Syslist processing in IEAVTSL7
		.... ..1.		SLFPCMSETAPARM1	Issued a CMSET in IEAVTSL2 while processing APARM1
		1		SLFPASVTACCESSEDINSL2	Accessing Asvt without serialization in IEAVTSL2
8	(8)	ADDRESS	4	SLFPISTK	ADDRESS OF INTERRUPTED STACK THAT WAS CURRENT ON ENTRY TO IEAVTSLP
12	(C)	ADDRESS	4	SLFPLSTW	WORK AREA ADDR (PASSED IN SLPLLSTW)
16	(10)	ADDRESS	4	SLFPSCE	POINTER TO FIRST SCE THAT DOES NOT NEED THE USE COUNT DECREMENTED
20	(14)	ADDRESS	4	SLFPSA	POINTER TO SAVE AREA PASSED TO IEAVTSLP

Table 188. Constants for SLFP

Len	Type	Value	Name	Description
0	BIT	00	SLFPTSLP	IEAVTSLP IS IN CONTROL
0	BIT	01	SLFPTSLB	IEAVTSLB IS IN CONTROL
0	BIT	10	SLFPTSLE	IEAVTSLE IS IN CONTROL
0	BIT	00	SLFPMRNL	NO MATCH ROUTINE MODULE IS IN CONTROL
0	BIT	01	SLFPTSL1	IEAVTSL1 IS IN CONTROL
0	BIT	10	SLFPTSL2	IEAVTSL2 IS IN CONTROL
0	BIT	11	SLFPTSL3	IEAVTSL3 IS IN CONTROL

Table 189. Cross Reference for SLFP

Name	Offset	Hex Tag
SLFP	0	
SLFPADR	2	10
SLFPASVTACCESSEDINSLD	6	10
SLFPASVTACCESSEDINSL2	7	01
SLFPASVTACCESSEDINSL6	7	80
SLFPASVTACCESSEDSYSLIST	7	10

Table 189. Cross Reference for SLFP (continued)

Name	Offset	Hex Tag
SLFPCAPTUREINSL6	7	20
SLFPCHDU	2	80
SLFPCMD1	4	08
SLFPCML	5	01
SLFPCMP2	4	02
SLFPCMSETAPARM1	7	02
SLFPCMSETINSLDPVTMOD	6	20
SLFPCMSETINSLDRANGE	6	40
SLFPCMSETINSL3	6	01
SLFPCMSETINSL6STDATA	7	40
SLFPCMSETSYSLIST	7	08
SLFPCMTS	4	10
SLFPCMT1	5	80
SLFPCMT2	4	04
SLFPCM2S	4	01
SLFPCPU	5	02
SLFPDETR	2	20
SLFPDU	2	40
SLFPFLGS	0	
SLFPFLG1	0	
SLFPFLG2	1	
SLFPFLG3	2	
SLFPFLG4	3	
SLFPFLG5	4	
SLFPFLG6	5	
SLFPFLG7	6	
SLFPFLG8	7	
SLFPFPR	2	08
SLFPFRR	0	01
SLFPINST	4	80
SLFPISTK	8	
SLFPJCT	6	80
SLFPJC3	5	40
SLFPLOCK	2	01
SLFPLOWCOREPROTECTIONREMOVED	6	02
SLFPLSTW	C	
SLFPMAIN	3	C0
SLFPMRTN	3	30
SLFPMSG992OBTAINED	3	04
SLFPMTCH	2	02
SLFPNRST	5	04
SLFPPER	0	20
SLFPRESOLVESYSLIST	7	04
SLFPRST	0	04
SLFPRTM	0	10
SLFPRTS	0	80
SLFPRT2	0	40
SLFPSA	14	
SLFPSAEX	4	20

Table 189. Cross Reference for SLFP (continued)

Name	Offset	Hex Tag
SLFPSCE	10	
SLFPSCESERIALIZEDTWICE	6	08
SLFPSDLK	2	04
SLFPSLDINCONTROL	6	04
SLFPSM	0	08
SLFPSRTN	3	08
SLFPSVCD	5	08
SLFPUDA	4	40
SLFPVAL	0	02
SLFPVALK	5	10
SLFPWALK	5	20

Chapter 45. SLPL Information

SLPL Heading Information

Common Name:	Slip Control Element
Macro ID:	IHASLPL
DSECT Name:	SLPL
Owning Component:	SLIP (SCSLP)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 239 or 255 Key: 0 Residency: ANY
Size:	96 bytes
Created by:	IEAVTRTM, IEAVTRTS, IEAVTRT2, IEAVTPER
Pointed to by:	Register 1
Serialization:	None
Function:	The SLPL maps the SLIP parameter list used when a module calls IEAVTSLP. On entry to IEAVTSLP, this parameter list is pointed to by register one.

SLPL mapping

Table 190. Structure SLPL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SLPL	
0	(0)	BITSTRING	1	SLPLENV	ENVIRONMENT CALLING IEAVTSLP
		1		SLPLERTS	"X'01'" IEAVTRTS ENVIRONMENT
		.... ..1.		SLPLERT2	"X'02'" IEAVTRT2 ENVIRONMENT
		11		SLPLERTM	"X'03'" IEAVTRTM ENVIRONMENT (MEMTERM)
		.... .1..		SLPLEPC	"X'04'" IEAVECP ENVIRONMENT (PER)
1	(1)	CHARACTER	2		RESERVED
3	(3)	BITSTRING	1	SLPLFLGS	FLAGS (RTM ONLY)
		11..		SLPLASC	"X'C0'" ADDRESS SPACE CONTROL BITS
		..1.		SLPLPGNL	"X'20'" PURGE-ONLY CALL FROM RTM2
4	(4)	ADDRESS	4	SLPLLSTW	WORK AREA TO COPY LIST FORM OF MACROS
8	(8)	ADDRESS	4	SLPLRTSF(0)	RTS ENV - RTS FRR STACK ADDRESS
8	(8)	ADDRESS	4	SLPLRT2W(0)	RT2 ENV - RTM2WA ADDRESS
8	(8)	ADDRESS	4	SLPLASCB	RTM ENV - ASCB BEING MEMTERMED
12	(C)	ADDRESS	4	SLPLMADR	RTM ENV - ADDR WHERE MEMTERM ISSUED
16	(10)	CHARACTER	72	SLPLWA	GENERAL WORK AREA FOR IEAVTSLP
88	(58)	CHARACTER	8	SLPLCRGS(0)	RTM ENV ONLY - CR3 & CR4 AT THE TIME MEMTERM WAS ISSUED
88	(58)	CHARACTER	4	SLPLCR3(0)	CONTROL REGISTER 3
88	(58)	CHARACTER	2	SLPLKM	KEY MASK
90	(5A)	CHARACTER	2	SLPLSASD	SASID

Table 190. Structure SLPL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
92	(5C)	CHARACTER	4	SLPLCR4(0)	CONTROL REGISTER 4
92	(5C)	CHARACTER	2	SLPLAX	AUTHORIZATION INDEX
94	(5E)	CHARACTER	2	SLPLPASD	PASID
16	(10)	BITSTRING	8	SLPLA64(0)	64-bit address
16	(10)	BITSTRING	8	SLPLA64L(0)	64-bit address of low
16	(10)	BITSTRING	4	SLPLA64LH	High half of low
20	(14)	BITSTRING	4	SLPLA64LL	Low half of low
24	(18)	BITSTRING	8	SLPLERR(0)	Error location
24	(18)	BITSTRING	4	SLPLERRH	High half of SLPLERR
28	(1C)	BITSTRING	4	SLPLERRL	Low half of SLPLERR
32	(20)	SIGNED	4	SLPLLKWD(0)	FOR BUILDING THE RESTART LOCKWORD
32	(20)	CHARACTER	2	SLPLLKCP	
34	(22)	CHARACTER	2	SLPLLKID	
36	(24)	CHARACTER	18	SLPLKWA	KEYWORD WORK AREA
54	(36)	SIGNED	2	SLPL412N(0)	WORK AREA FOR 412 MESSAGE COUNTER
54	(36)	CHARACTER	1		
55	(37)	SIGNED	1	SLPLXXXN	WORK AREA FOR SCEM992 COUNTER
56	(38)	ADDRESS	4	SLPLENDA	PTR TO END OF LIST OF ADDRESSES TO BE CONVERTED OR END OF SCVA
60	(3C)	ADDRESS	4	SLPLSCVA	SCVAPTR SAVE AREA
64	(40)	SIGNED	4	SLPLR141	GPR 14 SAVE AREA
68	(44)	SIGNED	4	SLPLR142	GPR 14 SAVE AREA
72	(48)	BITSTRING	8	SLPLA64H(0)	64-bit address of high
72	(48)	BITSTRING	4	SLPLA64HH	High half of high
76	(4C)	BITSTRING	4	SLPLA64HL	Low half of high
80	(50)	CHARACTER	4		
REDEFINITION OF SLPLA64, ERR, LKWD, AND KWA FOR DEBUGGING INFORMATION WHEN EOL PUTS SYSTEM IN A WAIT STATE					
20	(14)	CHARACTER	28	SLPLWWRK(0)	
20	(14)	CHARACTER	1	SLPLWTYP	ENTRY TYPE
21	(15)	CHARACTER	2	SLPLWCPU	LOGICAL CPU
23	(17)	CHARACTER	1	SLPLWSM	SAVE AREA FOR SYSTEM MASK
24	(18)	ADDRESS	4	SLPLWREG	PTR TO REGISTERS
28	(1C)	ADDRESS	4	SLPLWPSW	PTR TO PSW
32	(20)	ADDRESS	4	SLPLWVAR	RTM ENTRY - PTR TO ASCB BEING MEMTERMED RT2 ENTRY - PTR TO RTM2WA RTS ENTRY - PTR TO SDWA PER ENTRY - PTR TO PER CODE
36	(24)	ADDRESS	4	SLPLWCRS	PTR TO CONTROL REGS 3 & 4
40	(28)	ADDRESS	4	SLPLWARS	PTR TO ACCESS REGISTERS
44	(2C)	ADDRESS	4	SLPLWG64H	PTR TO G64H

Table 191. Cross Reference for SLPL

Name	Offset	Hex Tag
SLPL	0	
SLPLASC	3	C0
SLPLASCB	8	
SLPLAX	5C	

Table 191. Cross Reference for SLPL (continued)

Name	Offset	Hex Tag
SLPLA64	10	
SLPLA64H	48	
SLPLA64HH	48	
SLPLA64HL	4C	
SLPLA64L	10	
SLPLA64LH	10	
SLPLA64LL	14	
SLPLCRGS	58	
SLPLCR3	58	
SLPLCR4	5C	
SLPLENDA	38	
SLPLENV	0	
SLPLEPC	0	4
SLPLERR	18	
SLPLERRH	18	
SLPLERRL	1C	
SLPLERTM	0	3
SLPLERTS	0	1
SLPLERT2	0	2
SLPLFLGS	3	
SLPLKM	58	
SLPLKWA	24	
SLPLLKCP	20	
SLPLLKID	22	
SLPLLKWD	20	
SLPLLSTW	4	
SLPLMADR	C	
SLPLPASD	5E	
SLPLPGNL	3	20
SLPLRTSF	8	
SLPLRT2W	8	
SLPLR141	40	
SLPLR142	44	
SLPLSASD	5A	
SLPLSCVA	3C	
SLPLWA	10	
SLPLWARS	28	
SLPLWCPU	15	
SLPLWCRS	24	
SLPLWG64H	2C	
SLPLWPSW	1C	
SLPLWREG	18	
SLPLWSM	17	
SLPLWTYP	14	
SLPLWVAR	20	
SLPLWWRK	14	
SLPLXXXN	37	
SLPL412N	36	

Chapter 46. SLR Information

SLR Heading Information

Common Name:	SLR - Subchannel Logout Record
Macro ID:	IOSDSLR
DSECT Name:	SLR
Owning Component:	I/O Supervisor (SC1C3)
Eye-Catcher ID:	Offset: 0 Length: 4
Storage Attributes:	Main Storage: N/A Virtual Storage: N/A Auxiliary Storage: N/A Subpool: 245 Key: 0 Data Space: N/A Residency: ABOVE 16M LINE
Size:	See Listing
Created by:	IOSRSLH
Pointed to by:	N/A
Serialization:	N/A
Function:	Maps the Subchannel LOGREC record type x'23'

SLR mapping

Table 192. Structure SLR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	216	SLR	
0	(0)	CHARACTER	24	SLRHEADR	LOGREC HEADER - See LRB mapping macro for field descriptions. Record type (first byte of record) will contain X'23'.
24	(18)	CHARACTER	192	SLRDATA	Record dependent data
24	(18)	CHARACTER	8	SLRJOBNM	JOBNAME from ASID initiating I/O request
32	(20)	CHARACTER	8	SLRLSCCW	Last executed CCW
40	(28)	CHARACTER	4	SLRDEVTP	Device type from UCB
44	(2C)	CHARACTER	8	SLRERPIB	ERPIB built by SLH for ERP
52	(34)	CHARACTER	64	SLRIRB	IRB
116	(74)	ADDRESS	4	SLRUCBA	UCB common address
120	(78)	CHARACTER	2	SLRDEVNO	Device number - Hex
122	(7A)	CHARACTER	6	SLRVOL	Volume serial number
128	(80)	CHARACTER	5	SLRCYLEV	UCB level byte and level mask
133	(85)	UNSIGNED	1	SLRVERS	Version number
134	(86)	BITSTRING	1	SLRVPATH	ERP channel paths to be varied offline
135	(87)	UNSIGNED	1	SLRCHPID	Channel Path ID
136	(88)	SIGNED	4	SLRSID	Subchannel ID number
140	(8C)	ADDRESS	4	SLRSMADR	Absolute address passed to RSM on storage or key error detected by channel.

Table 192. Structure SLR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
144	(90)	SIGNED	2	SLRSMRC	Return code from RSM for storage or key error.
146	(92)	SIGNED	2	SLRSMERR	Error type: 1 = storage error, 2 = key error
148	(94)	BITSTRING	4	SLRSMFLG	Status information returned by RSM
Start of the version 1 extension of the SLR					
152	(98)	CHARACTER	32	SLRV1_DATA	Version 1 Extension
152	(98)	BITSTRING	1	SLRV1_FLAG1	Flag one
		1...		SLRV1_PCHID_VALID	
The physical channel id in SLRV1_PCHID is valid					
		.1..		SLRV1_FCX	FICON Channel Extensions I/O indicator
		..1.		SLRV1_EADM	EADM Indicator
		...1 1111		*	Reserved
153	(99)	UNSIGNED	1	*	Reserved
154	(9A)	UNSIGNED	2	SLRV1_PCHID	Physical channel id
156	(9C)	CHARACTER	3	*	Reserved
159	(9F)	UNSIGNED	1	SLRV1_QUAD_NUMBER	Number of quadruplets
The QUAD system is a system that allows SLR records to be extended beyond a large block. There are 3 areas to extend The first extension is for XSLD Data, the second is for EAOB data.					
160	(A0)	CHARACTER	24	SLRV1_QUADS	Quadruplets
160	(A0)	CHARACTER	8	SLRV1_QUAD(3)	Quadruplet
160	(A0)	ADDRESS	4	SLRV1_QUAD_OFFSET	Offset to data sections
160	(A0)	ADDRESS	4	SLRV1_QUAD_OFFSET_PTR	In order to save memory the OFFSET is set to a pointer to the extension and then is converted to an offset when the area is recorded
164	(A4)	UNSIGNED	2	SLRV1_QUAD_LENGTH	Length of a data section
166	(A6)	UNSIGNED	1	SLRV1_QUAD_COUNT	Count of data sections
167	(A7)	1111		SLRV1_QUAD_FMT	Format of data sections
		 1111		*	Reserved
Start of the version 2 extension of the SLR					
184	(B8)	CHARACTER	32	SLRV2_DATA	Version 2 Extension
184	(B8)	CHARACTER	32	SLRV2_DNED	I/O device NED
216	(D8)	CHARACTER	0	SLREND	End of SLR

Table 193. Constants for SLR

Len	Type	Value	Name	Description
DECLARES for SLR version number (SLRVERS)				
4	DECIMAL	0	SLR_VERSION_ZERO	Version 0
4	DECIMAL	1	SLR_VERSION_ONE	Version 1
4	DECIMAL	2	SLR_VERSION_TWO	Version 2
4	DECIMAL	2	SLR_CURRENT_VERSION	
DECLARES for SLR recording categories				

Table 193. Constants for SLR (continued)

Len	Type	Value	Name	Description
0	BIT	00	SLRINTC	Initialize field
0	BIT	01	SLRHARD	Hard recording
0	BIT	10	SLRDEGR	Degrade recording
0	BIT	11	SLRSOFT	Soft recording
DECLARES for Quadruplet indices				
1	DECIMAL	1	XSLDDATA	XSLD data index
1	DECIMAL	2	SLR_EAOBDATAIDX	EAOB data index

Table 194. Cross Reference for SLR

Name	Offset	Hex Tag
SLR	0	
SLRCHPID	87	
SLRCYLEV	80	
SLRDATA	18	
SLRDEVNO	78	
SLRDEVTP	28	
SLREND	D8	
SLRERPIB	2C	
SLRHEADR	0	
SLRIRB	34	
SLRJOBNM	18	
SLRLSCCW	20	
SLRSID	88	
SLRSMADR	8C	
SLRSMERR	92	
SLRSMFLG	94	
SLRSMRC	90	
SLRUCBA	74	
SLRVERS	85	
SLRVOL	7A	
SLRVPATH	86	
SLRV1_DATA	98	
SLRV1_EADM	98	20
SLRV1_FCX	98	40
SLRV1_FLAG1	98	
SLRV1_PCHID	9A	
SLRV1_PCHID_VALID	98	80
SLRV1_QUAD	A0	
SLRV1_QUAD_COUNT	A6	
SLRV1_QUAD_FMT	A7	F0
SLRV1_QUAD_LENGTH	A4	
SLRV1_QUAD_NUMBER	9F	
SLRV1_QUAD_OFFSET	A0	
SLRV1_QUAD_OFFSET_PTR	A0	
SLRV1_QUADS	A0	
SLRV2_DATA	B8	
SLRV2_DNED	B8	

SLR mapping

Chapter 47. SLWA Information

SLWA Heading Information

Common Name:	RTM SLIP Work Area
Macro ID:	IHASLWA
DSECT Name:	SLWA
Owning Component:	SLIP (SCSLP)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 239 or 255 Key: 0 Residency: ANY
Size:	Variable
Created by:	IEAVTRTM, IEAVTRTS, IEAVTRT2, IEAVTPER
Pointed to by:	SLPLLSTW
Serialization:	None
Function:	Work area used by the SLIP action processor.

SLWA mapping

Table 195. Structure SLWA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	1296	SLWA	
0	(0)	CHARACTER	136	SLWANORM	
0	(0)	CHARACTER	96	SLWAGWA	GENERAL WORK AREA
0	(0)	CHARACTER	72	SLWAPLST	NORMALLY USED FOR COPYING LIST FORM MACROS
0	(0)	CHARACTER	4	SLWAFPC	Saved for short duration
72	(48)	CHARACTER	24	SLWAPLSTX	EXTENSION FOR SLWAPLST
96	(60)	CHARACTER	40	SLWACWA	COMMON WORK AREA, ONLY COMMON PART OF SLIP WORK AREAS UNTOUCHED WHEN REQUESTING AN SDUMP
96	(60)	BITSTRING	2	SLWACW	SYSTEM MODE AT ERROR TIME
96	(60)	BITSTRING	1	SLWACW1	MAPS THE SAME AS THE RTM MODE BYTE
		1...		SLWASUPR	SUPERVISOR CONTROL MODE
		.1..		SLWADIS	PHYSICALLY DISABLED MODE
		..1.		SLWAGSPN	GLOBAL SPIN LOCK MODE
		...1		SLWAGSUS	GLOBAL SUSPEND LOCK MODE
		.... 1...		SLWALOC	LOCALLY LOCKED MODE
		.... .1..		SLWATYP1	TYPE 1 SVC MODE
		.... ..1.		SLWASRB	SRB MODE
		1		SLWATCB	TASK MODE
97	(61)	BITSTRING	1	SLWACW2	
		1...		SLWARECV	RECOVERY ERROR
		.1..		SLWAPS	PP STATE
		..1.		SLWASS	SUPER STATE
		...1		SLWASK	SUPER KEY
		.... 1...		SLWAPK	PP KEY

Table 195. Structure SLWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		SLWAGLOC	ANY GLOBAL LOCK
		.... ..1.		SLWALOCK	ANY LOCK
		1		SLWAHOME	INSTRUCTION EXECUTED IN HOME MODE
98	(62)	BITSTRING	2	SLWADBUG	DEBUG FLAGS FOR DEBUG TRACE RECORD-- VALUE IN BYTE SLWADB1 INDICATES ROUTINE THAT FAILED: 00 - RESERVED 01 - END 02 - COMP 03 - ASID 04 - JOBNAME 05 - JSPGM 06 - PVTMOD 07 - LPAMOD 08 - ADDRESS 09 - MODE 10 - ERRTYP 11 - RESERVED 12 - RESERVED 13 - RANGE 14 - DATA 15 - RESERVED 16 - RESERVED 17 - RESERVED 18 - RESERVED 19 - RESERVED 20 - ASIDSA 21 - RESERVED 22 - REASON 23 - NUCMOD 24 - PSWASC 25 - RESERVED 26 - DSSA
98	(62)	BITSTRING	1	SLWADB1	
99	(63)	BITSTRING	1	SLWADB2	
100	(64)	CHARACTER	1	SLWAFLG0	GENERAL INFO FLAGS
		1...		SLWAASUN	ASID IS UNAVAILABLE
		.1..		SLWARBUN	RB LEVEL SPECIFIED IS UNAVAILABLE
		..1.		SLWANLOC	LLOC NOT CONVERTED
		...1		SLWANDMP	NO DUMP CAN BE TAKEN
		.... 1...		SLWATDMP	ON, DUMP CAN BE TAKEN
		.... .1..		SLWASCEC	ON, STOP SCANNING SCE
		11		*	RESERVED
101	(65)	CHARACTER	1	SLWAFLG1	GENERAL INFO FLAGS
		1...		SLWABDCK	ENTRY TOD VALUE IS INVALID
		.1..		SLWAPERS	STOP INCREMENTING SCE USE COUNTS AT THE NON-IGNORE PER TRAP
		..1.		SLWAPERT	STOP TESTING TRAPS (ENABLED NON-IGNORE TRAP WAS TESTED
		...1		SLWAMLDS	A TRAP HAS BEEN DISABLED DUE TO MATCHLIM
		.... 1...		SLWACVT1	FIRST ADDRESS OF DIRECT/ INDIRECT ADDR PAIR IS BEING CONVERTED
		.... .1..		SLWAERR1	ERROR CONVERTING FIRST ADDRESS OF PAIR
		.... ..1.		SLWASDIP	SDUMP IN PROGRESS WHEN SLIP HAD TO MODIFY FIELDS USED BY SDUMP
		1		SLWAPLDS	A TRAP HAS BEEN DISABLED DUE TO PERCENT LIMIT PROCESSING
102	(66)	CHARACTER	2	SLWACPSD	SAVE PASID FOR CMSET
104	(68)	ADDRESS	4	SLWASAV2	PTR TO REGS FOR SELECTED RBLEVEL
108	(6C)	ADDRESS	4	SLWASAVE	PTR TO RB CONTAINING PSW FOR SELECTED RBLEVEL
112	(70)	ADDRESS	4	SLWAR14	SAVE RETURN ADDRESS
116	(74)	CHARACTER	4	SLWATEMP	TEMPORARY SAVE AREA
116	(74)	CHARACTER	2	SLWATMP	TEMPORARY SAVE AREA
116	(74)	CHARACTER	1	*	TEMPORARY SAVE AREA

Table 195. Structure SLWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
117	(75)	CHARACTER	1	SLWATMP2	TEMPORARY SAVE AREA
118	(76)	CHARACTER	1	*	TEMPORARY SAVE AREA
119	(77)	CHARACTER	1	SLWATMP4	TEMPORARY SAVE AREA
120	(78)	ADDRESS	4	SLWAARSV	-> AR AREA
124	(7C)	ADDRESS	4	SLWAG64HSV	-> G64H AREA
The list of sybolics for all environments begins at the end of the SLWA (SLWANORM). The list of symbolics for PER only continues at the beginning of the PER only portion of the SLWA (SLWAEXT). The order of the symbolic declares MUST be exactly the same as in VTSymbolics in IHASHDR.					
128	(80)	CHARACTER	8	SLWASYMBOLICLIST	Symbolic list applicable to all environments
128	(80)	CHARACTER	8	SLWABEA	BEAR symbolic
136	(88)	CHARACTER	1160	SLWAEXT	WORK AREA PROVIDED ONLY FOR PER ENVIRONMENT
136	(88)	CHARACTER	8	SLWAPERSYMBOLICLIST	PER only symbolics
136	(88)	CHARACTER	8	SLWABPER	Beginning PER range
144	(90)	CHARACTER	8	SLWACKIT	TOD CLOCK NEAR ENTRY TO IEAVTSLP
144	(90)	CHARACTER	4	SLWACKIL	LEFT HALF OF ENTRY TOD
148	(94)	CHARACTER	4	SLWACKIR	RIGHT HALF OF ENTRY TOD
152	(98)	ADDRESS	4	SLWARC	RETURN CODE FOR PER ENTRIES
152	(98)	BITSTRING	3	*	
155	(9B)	.... 1...		SLWAFDSP	REQUEST PFLIH TO ENTER DISP FOR STOPPED UNIT OF WORK DUE TO A=SUSDUMP
		.... .1..		SLWAFRCV	REQUEST PFLIH TO FORCE RECOVERY FOR INTERRUPTED PROCESS
		.... ..1.		*	RESERVED
		1		SLWAPOFF	IEAVTPER MUST TURN PER OFF IN RESUME PSW
156	(9C)	ADDRESS	4	SLWAENIP	POINTER TO SCE FOR ENABLED NON-IGNORE PER TRAP
160	(A0)	ADDRESS	4	SLWASCE	SAVE AREA FOR SCE POINTER
164	(A4)	ADDRESS	4	SLWACR9	COPY OF CONTROL REGISTER 9
		1...		SLWACRSB	PER SUCCESSFUL-BRANCH EVENT MASK
		.1..		SLWACRIF	PER INSTRUCTION-FETCH EVENT MASK
		..1.		SLWACRSA	PER STORAGE-ALTERATION EVENT MASK
164	(A4)	BITSTRING	3	*	
168	(A8)	CHARACTER	8	*	Unused
176	(B0)	CHARACTER	8	SLWACKOT	TOD CLOCK NEAR EXIT FROM IEAVTSLP
176	(B0)	CHARACTER	4	SLWACKOL	LEFT HALF OF EXIT TOD
180	(B4)	CHARACTER	4	SLWACKOR	RIGHT HALF OF EXIT TOD
184	(B8)	CHARACTER	8	SLWACKPT	TOTAL ACCUMULATED PER INTERRUPT PROCESSING TIME
184	(B8)	CHARACTER	4	SLWACKPL	LEFT HALF OF ACCUMULATED TIME
188	(BC)	CHARACTER	4	SLWACKPR	RIGHT HALF OF ACCUMULATED TIME
192	(C0)	CHARACTER	8	SLWACKET	TOTAL ELAPSED TIME SINCE FIRST VALID PER INTERRUPT
192	(C0)	CHARACTER	4	SLWACKEL	LEFT HALF OF ELAPSED TIME
196	(C4)	CHARACTER	4	SLWACKER	RIGHT HALF OF ELAPSED TIME

Table 195. Structure SLWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
200	(C8)	BITSTRING	8	SLWACPUN	FLOATING POINT ONLINE CPU COUNT
208	(D0)	BITSTRING	8	SLWAFPR0	SAVE AREA FOR FPR 0
216	(D8)	CHARACTER	8	SLWACKST	COPY OF ACCUMULATED PER PROCESSING TIME FROM SCVA
216	(D8)	CHARACTER	4	SLWACKSL	LEFT HALF OF SCVA ACCUMULATED TIME
220	(DC)	CHARACTER	4	SLWACKSR	RIGHT HALF OF SCVA ACCUMULATED TIME
224	(E0)	CHARACTER	8	SLWAPCDM	CURRENT PER DEGRADATION (FLOATING POINT PERCENTAGE)
224	(E0)	CHARACTER	4	SLWAPCDL	LEFT HALF OF DEGRADATION PERCENTAGE
224	(E0)	CHARACTER	1	SLWAPCDX	EXPONENT OF DEGRADATION PERCENTAGE
225	(E1)	CHARACTER	3	*	
228	(E4)	CHARACTER	4	SLWAPCDR	RIGHT HALF OF DEGRADATION PERCENTAGE
232	(E8)	ADDRESS	4	SLWABGNM	BEGINNING DATA ADDRESS FOR MVCL
232	(E8)	ADDRESS	4	SLWAOTHER	STARTING ADDRESS
236	(EC)	ADDRESS	4	SLWAENDM	ENDING DATA ADDRESS FOR MVCL
240	(F0)	CHARACTER	4	SLWAPLSC	SAVE AREA FOR SCVAPLSC
244	(F4)	CHARACTER	8	SLWAFAFR	Fast FRR save areas
244	(F4)	CHARACTER	4	SLWAFFRR	SAVE AREA FOR PSAFFRR
248	(F8)	CHARACTER	4	SLWAFFRS	SAVE AREA FOR PSAFFRRS
252	(FC)	CHARACTER	10	SLWASAVA	IEAVTPER WORK/SAVE AREA
252	(FC)	CHARACTER	4	SLWASAV1	IEAVTPER WORK/SAVE AREA
256	(100)	CHARACTER	4	SLWASAV3	IEAVTPER WORK/SAVE AREA
260	(104)	CHARACTER	2	SLWASAVP	SAVE AREA FOR PASID
262	(106)	CHARACTER	1	SLWAMISC	Miscellaneous communication flags
		1...		SLWATARGETTRAPACTIVATED	This bit is for communication between IEAVTSLD and IEAVTSLB. IEAVTSLB refers to this field to determine whether IEAVTSLD was successfull in activating the target trap
		.111 1111		*	Unused
263	(107)	CHARACTER	1	SLWASAS	STORAGE ACCESS SPACE INFORMATION
		1...		SLWASASV	1 => INFO IS VALID
		.1..		SLWASASU	1 => INSTRUCTION UNAVAILABLE
		..11 1...		*	RESERVED
		.... .1..		SLWASTUR	SA by STURA
		11		SLWASASC	CODED AS ASC: 00-PRIM, 01-AR, 10-SEC, 11-HOME
264	(108)	CHARACTER	4	SLWAREC1	RECURSION SAVE AREA
264	(108)	CHARACTER	1	SLWAIPCD	SAVE AREA FOR PSAIPCD BYTE
265	(109)	CHARACTER	3	*	RESERVED
268	(10C)	CHARACTER	144	SLWAWKA	WORK AREA. USED FOR PER-ONLY SAVE AREA
412	(19C)	CHARACTER	368	SLWAREC2	RECURSION SAVE AREA (SAVE AREAS REFERENCED ONLY BY VTPER)
412	(19C)	CHARACTER	8	*	unused
420	(1A4)	CHARACTER	12	SLWAPGPR	SAVE AREA FOR PSAGPREG

Table 195. Structure SLWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
432	(1B0)	CHARACTER	64	SLWALGPR	SAVE AREA FOR LCCASGPR
496	(1F0)	ADDRESS	4	SLWACSTK	SAVE AREA FOR PSACSTK
500	(1F4)	CHARACTER	1	SLWABITS	SAVE AREA FOR PSA BITS
		1...		SLWAPSVC	SAVE AREA FOR PSASVC BIT
501	(1F5)	CHARACTER	3	SLWAILCN	SAVE AREA FOR SVC ILC AND NUMBER
504	(1F8)	ADDRESS	4	SLWASSAV	SAVE AREA FOR PSASSAV
508	(1FC)	ADDRESS	4	SLWAESAV	SAVE AREA FOR PSAESAV1
512	(200)	CHARACTER	4	SLWAICOD	SAVE AREA FOR PSAEEPSW
516	(204)	CHARACTER	16	SLWASXMR	SAVE AREA FOR LCCASXMR
532	(214)	CHARACTER	64	SLWASLSA	SAVE AREA FOR PSASLSA
596	(254)	CHARACTER	8	SLWAEPS1	SAVE AREA FOR PSAEXPS1
604	(25C)	CHARACTER	8	SLWAEPS2	SAVE AREA FOR PSAEXPS2
612	(264)	ADDRESS	4	SLWAESV2	SAVE AREA FOR PSAESAV2
616	(268)	ADDRESS	4	SLWAESV3	SAVE AREA FOR PSAESAV3
620	(26C)	CHARACTER	128	SLWAXCR1	SAVE AREA FOR SCFSXCR1
748	(2EC)	CHARACTER	16	SLWAEXTOPSWE	SAVE AREA FOR EXT OLD PSW
748	(2EC)	CHARACTER	8	SLWAEPSW	SAVE AREA FOR FLCEOPSW
764	(2FC)	CHARACTER	16	SLWASVCOPSWE	SAVE AREA FOR SVC OLD PSW
764	(2FC)	CHARACTER	8	SLWASVCO	SAVE AREA FOR SVC OLD PSW
780	(30C)	CHARACTER	4	*	Unused
784	(310)	CHARACTER	16	SLWACG10AND11	CRs 10 and 11
784	(310)	CHARACTER	8	SLWACG10	CR 10 for ESAME
784	(310)	CHARACTER	4	*	Reserved
788	(314)	CHARACTER	4	SLWACR10	Low order part of CR10
792	(318)	CHARACTER	8	SLWACG11	CR 11 for ESAME
792	(318)	CHARACTER	4	*	
796	(31C)	CHARACTER	4	SLWACR11	Low order part of CR11
800	(320)	CHARACTER	8	*	Workarea for IEAVTSLP range processing
800	(320)	CHARACTER	8	SLWABGNMG	Beginning of range
800	(320)	CHARACTER	4	SLWABGNMGHIGH	
804	(324)	CHARACTER	4	SLWABGNMGLOW	
800	(320)	CHARACTER	8	SLWAOTHERG	
800	(320)	CHARACTER	4	SLWAOTHERGHIGH	
804	(324)	CHARACTER	4	SLWAOTHERGLOW	
808	(328)	CHARACTER	8	SLWAENDMG	End of range
808	(328)	CHARACTER	4	SLWAENDMGHIGH	
812	(32C)	CHARACTER	4	SLWAENDMGLOW	
816	(330)	CHARACTER	72	SLWAREC3	More Recursion savearea
816	(330)	CHARACTER	64	SLWAPSALKSA	SAVE AREA FOR PSALKSA
880	(370)	CHARACTER	4	SLWAPSALKCRF	SAVE AREA FOR PSALKCRF
884	(374)	CHARACTER	4	*	Reserved
888	(378)	CHARACTER	16	SLWACRGS	CR3/4 at the time of PER interrupt
888	(378)	CHARACTER	8	SLWACR3	CONTROL REGISTER 3
888	(378)	CHARACTER	4	*	
892	(37C)	CHARACTER	2	SLWAKM	KEY MASK
894	(37E)	CHARACTER	2	SLWASASD	SASID
896	(380)	CHARACTER	8	SLWACR4	CONTROL REGISTER 4
896	(380)	CHARACTER	4	*	
900	(384)	CHARACTER	2	SLWAAX	AUTHORIZATION INDEX
902	(386)	CHARACTER	2	SLWAPASD	PASID

Table 195. Structure SLWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
904	(388)	CHARACTER	392	SLWAREC4	More saving for recursion
904	(388)	CHARACTER	256	SLWAXSLSA	Save area for PSAXSLSA
1160	(488)	CHARACTER	64	SLWAPSATRSAV	Save area for PSATRSAV
1224	(4C8)	CHARACTER	8	SLWAPSATRSV2	Save area for PSATRSV2
1232	(4D0)	CHARACTER	64	SLWAPSATRSV1	Save area for PSATRSV1

Table 196. Structure @NM00020

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	44	*	REDEFINITION OF NORMAL WORK AREA FOR USE BY PVTMOD MATCH ROUTINE
0	(0)	SIGNED	4	SLWAXCTR	COUNTER FOR EXTENT LIST LOOP SEARCH
4	(4)	ADDRESS	4	SLWACDE	SAVE AREA FOR MINOR CDE POINTER
8	(8)	ADDRESS	4	SLWAPASC	ASCB ADDRESS OF CML OBTAINED
12	(C)	ADDRESS	4	SLWACDXPTR	Pointer to CDX
16	(10)	ADDRESS	4	SLWAMINMAJPTR	Address of CDE returned from Csvcdxf
20	(14)	CHARACTER	8	SLWACSVWORKAREA	Workarea for CSV
28	(1C)	BITSTRING	1	*	
		1...		SLWAMODULEMATCH	Indicates path names matched
29	(1D)	CHARACTER	1	*	
30	(1E)	UNSIGNED	2	SLWACSVCDXF_HVAL	
32	(20)	ADDRESS	4	SLWACSVCDXFSAVER2	
36	(24)	ADDRESS	4	SLWACSVCDXFSAVER3	
40	(28)	ADDRESS	4	SLWACSVCDXFSAVER4	
44	(2C)	CHARACTER	0	SLWAPVTMODEND	End of structure

Table 197. Structure @NM00023

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
136	(88)	STRUCTURE	264	*	
136	(88)	CHARACTER	64	SLWAMTAR	ARS FROM MEMTERM 1@P5D
200	(C8)	CHARACTER	128	SLWAMTC64S	ESAME memterm CRs
200	(C8)	CHARACTER	24	*	CRs 0-2
224	(E0)	CHARACTER	16	SLWAMTCR3AND4	CRs 3-4
240	(F0)	CHARACTER	88	*	CRs 5-15
328	(148)	CHARACTER	64	SLWAMTG64H	G64H from MEMTERM
392	(188)	CHARACTER	8	*	No longer used

Table 198. Structure DUMPWA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	72	DUMPWA	
0	(0)	CHARACTER	4	DWAASIDLIST	Pointers used to process ASIDLST parm
0	(0)	ADDRESS	4	DWALISTENTST	ENTRY START
4	(4)	CHARACTER	8	DWALIST	FOR LIST KEYWORD
4	(4)	ADDRESS	4	DWALISTDENTST	LIST64 entry

Table 198. Structure DUMPWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	ADDRESS	4	DWALISTDENTEND	LIST64 end
12	(C)	CHARACTER	8	DWASLST	FOR SUMLIST KEYWORD
12	(C)	ADDRESS	4	DWASLSTLENTST	SUMLIST64 entry
16	(10)	ADDRESS	4	DWASLSTLENTEND	SUMLISTL64 entry end
20	(14)	CHARACTER	8	DWACURR	FOR LIST/SUMLIST (CURRENT)
20	(14)	ADDRESS	4	DWACURRDENTST	LISTD/SUMLISTL 64 entry
24	(18)	ADDRESS	4	DWACURRDENTEND	LISTD/SUMLISTL 64 entry end
28	(1C)	CHARACTER	16	DWASAVADDRS	SAVED ADDRESSES
28	(1C)	CHARACTER	16	*	
28	(1C)	CHARACTER	8	DWASAVSTOKEN	SAVED STOKEN
28	(1C)	CHARACTER	16	*	
28	(1C)	CHARACTER	8	DWASAV164	Saved 64 bit address
28	(1C)	CHARACTER	4	DWASAV1HIGH	
32	(20)	ADDRESS	4	DWASAV1	SAVED ADDRESS
32	(20)	SIGNED	2	DWASAV1A	
34	(22)	SIGNED	2	DWASAV1B	
36	(24)	CHARACTER	8	DWASAV264	Saved 64 bit address
36	(24)	CHARACTER	4	DWASAV2HIGH	
40	(28)	ADDRESS	4	DWASAV2	SAVED ADDRESS
40	(28)	SIGNED	4	DWASAVALET	WHEN DWASAVSTOKEN IS USED ON SUMLIST PATH
40	(28)	SIGNED	2	DWASAV2A	
42	(2A)	SIGNED	2	DWASAV2B	
44	(2C)	ADDRESS	4	DWASCVADMP	
48	(30)	BITSTRING	1	DWAFLAGS	
		1...		DWASTKNSAVED	1 => STOKEN WAS SAVED
		.1..		DWAPROCASID	1 => PROCESSING ASID
		..1.		DWAOUTOFORDER	1 => ADDRESSES OUT OF ORDER
		...1		DWACNVTERR	1 => ERROR IN CONVERTING ADDRESS
		.... 1...		DWAVALASID	1 => VALID ADDRESS SPACE
		.... .1..		DWAVALDS	1 => VALID DATA SPACE
		.... ..1.		DWASUMLIST	1 => PROCESSING SUMLIST
		1		DWAALETSAVED	1 => Alet was saved
49	(31)	CHARACTER	3	*	Reserved

Table 199. Structure DSPCALL_PL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
72	(48)	STRUCTURE	24	DSPCALL_PL	
72	(48)	UNSIGNED	1	DSPC_LEVEL	Level -- 1
73	(49)	UNSIGNED	1	DSPC_REQUEST	Request type
74	(4A)	CHARACTER	2	*	Reserved
76	(4C)	CHARACTER	8	DSPC_STOKEN	Output STOKEN
84	(54)	ADDRESS	4	DSPC_ASCB	ASCB
84	(54)	ADDRESS	4	DSPC_ASTE	Input ASTE
88	(58)	CHARACTER	8	DSPC_DSPNAME	DSP name

Table 200. Cross Reference for SLWA

Name	Offset	Hex Tag
DSPC_ASCB	54	

Table 200. Cross Reference for SLWA (continued)

Name	Offset	Hex Tag
DSPC_ASTE	54	
DSPC_DSPNAME	58	
DSPC_LEVEL	48	
DSPC_REQUEST	49	
DSPC_STOKEN	4C	
DSPCALL_PL	48	
DUMPWA	0	
DWAALETSAVED	30	01
DWAASIDLIST	0	
DWACNVTERR	30	10
DWACURR	14	
DWACURRDENTEND	18	
DWACURRDENTST	14	
DWAFLAGS	30	
DWALIST	4	
DWALISTDENTEND	8	
DWALISTDENTST	4	
DWALISTENTST	0	
DWAOUTOFORDER	30	20
DWAPROCASID	30	40
DWASAVADDRS	1C	
DWASAVALET	28	
DWASAVSTOKEN	1C	
DWASAV1	20	
DWASAV1A	20	
DWASAV1B	22	
DWASAV1HIGH	1C	
DWASAV164	1C	
DWASAV2	28	
DWASAV2A	28	
DWASAV2B	2A	
DWASAV2HIGH	24	
DWASAV264	24	
DWASCVADMP	2C	
DWASLST	C	
DWASLSTLENTEND	10	
DWASLSTLENTST	C	
DWASTKNSAVED	30	80
DWASUMLIST	30	02
DWAVALASID	30	08
DWAVALDS	30	04
SLWA	0	
SLWAARSV	78	
SLWAASUN	64	80
SLWAAX	384	
SLWABDCK	65	80
SLWABEA	80	
SLWABGNM	E8	
SLWABGNMG	320	

Table 200. Cross Reference for SLWA (continued)

Name	Offset	Hex Tag
SLWABGNMGHIGH	320	
SLWABGNMGLOW	324	
SLWABITS	1F4	
SLWABPER	88	
SLWACDE	4	
SLWACDXPTR	C	
SLWACG10	310	
SLWACG10AND11	310	
SLWACG11	318	
SLWACKEL	C0	
SLWACKER	C4	
SLWACKET	C0	
SLWACKIL	90	
SLWACKIR	94	
SLWACKIT	90	
SLWACKOL	B0	
SLWACKOR	B4	
SLWACKOT	B0	
SLWACKPL	B8	
SLWACKPR	BC	
SLWACKPT	B8	
SLWACKSL	D8	
SLWACKSR	DC	
SLWACKST	D8	
SLWACPSD	66	
SLWACPUN	C8	
SLWACRGS	378	
SLWACRIF	A4	40
SLWACRSA	A4	20
SLWACRSB	A4	80
SLWACR10	314	
SLWACR11	31C	
SLWACR3	378	
SLWACR4	380	
SLWACR9	A4	
SLWACSTK	1F0	
SLWACSVCDXF_HVAL	1E	
SLWACSVCDXFSAVER2	20	
SLWACSVCDXFSAVER3	24	
SLWACSVCDXFSAVER4	28	
SLWACSVWORKAREA	14	
SLWACVT1	65	08
SLWACW	60	
SLWACWA	60	
SLWACW1	60	
SLWACW2	61	
SLWADBUG	62	
SLWADB1	62	
SLWADB2	63	

Table 200. Cross Reference for SLWA (continued)

Name	Offset	Hex Tag
SLWADIS	60	40
SLWAENDM	EC	
SLWAENDMG	328	
SLWAENDMGHIGH	328	
SLWAENDMGLOW	32C	
SLWAENIP	9C	
SLWAEPSW	2EC	
SLWAEPS1	254	
SLWAEPS2	25C	
SLWAERR1	65	04
SLWAESAV	1FC	
SLWAESV2	264	
SLWAESV3	268	
SLWAEXT	88	
SLWAEXTOPSWE	2EC	
SLWAFAFR	F4	
SLWAFDSP	9B	08
SLWAFFRR	F4	
SLWAFFRS	F8	
SLWAFLG0	64	
SLWAFLG1	65	
SLWAFPC	0	
SLWAFPR0	D0	
SLWAFRCV	9B	04
SLWAGLOC	61	04
SLWAGSPN	60	20
SLWAGSUS	60	10
SLWAGWA	0	
SLWAG64HSV	7C	
SLWAHOME	61	01
SLWAICOD	200	
SLWAILCN	1F5	
SLWAIPCD	108	
SLWAKM	37C	
SLWALGPR	1B0	
SLWALOC	60	08
SLWALOCK	61	02
SLWAMINMAJPTR	10	
SLWAMISC	106	
SLWAMLDS	65	10
SLWAMODULEMATCH	1C	80
SLWAMTAR	88	
SLWAMTCR3AND4	E0	
SLWAMTC64S	C8	
SLWAMTG64H	148	
SLWANDMP	64	10
SLWANLOC	64	20
SLWANORM	0	
SLWAOTHER	E8	

Table 200. Cross Reference for SLWA (continued)

Name	Offset	Hex Tag
SLWAOTHERG	320	
SLWAOTHERGHIGH	320	
SLWAOTHERGLOW	324	
SLWAPASC	8	
SLWAPASD	386	
SLWAPCDL	E0	
SLWAPCDM	E0	
SLWAPCDR	E4	
SLWAPCDX	E0	
SLWAPERS	65	40
SLWAPERSYMBOLICLIST	88	
SLWAPERT	65	20
SLWAPGPR	1A4	
SLWAPK	61	08
SLWAPLDS	65	01
SLWAPLSC	F0	
SLWAPLST	0	
SLWAPLSTX	48	
SLWAPOFF	9B	01
SLWAPS	61	40
SLWAPSALKCRF	370	
SLWAPSALKSA	330	
SLWAPSATRSAV	488	
SLWAPSATRSV1	4D0	
SLWAPSATRSV2	4C8	
SLWAPSVC	1F4	80
SLWAPVTMODEND	2C	
SLWARBUN	64	40
SLWARC	98	
SLWARECV	61	80
SLWAREC1	108	
SLWAREC2	19C	
SLWAREC3	330	
SLWAREC4	388	
SLWAR14	70	
SLWASAS	107	
SLWASASC	107	03
SLWASASD	37E	
SLWASASU	107	40
SLWASASV	107	80
SLWASAVA	FC	
SLWASAVE	6C	
SLWASAVP	104	
SLWASAV1	FC	
SLWASAV2	68	
SLWASAV3	100	
SLWASCE	A0	
SLWASCEC	64	04
SLWASDIP	65	02

Table 200. Cross Reference for SLWA (continued)

Name	Offset	Hex Tag
SLWASK	61	10
SLWASLSA	214	
SLWASRB	60	02
SLWASS	61	20
SLWASSAV	1F8	
SLWASTUR	107	04
SLWASUPR	60	80
SLWASVCO	2FC	
SLWASVCOPSWE	2FC	
SLWASXMR	204	
SLWASYMBOLICLIST	80	
SLWATARGETTRAPACTIVATED	106	80
SLWATCB	60	01
SLWATDMP	64	08
SLWATEMP	74	
SLWATMP	74	
SLWATMP2	75	
SLWATMP4	77	
SLWATYP1	60	04
SLWAWKA	10C	
SLWAXCR1	26C	
SLWAXCTR	0	
SLWAXSLSA	388	

Chapter 48. SMCA Information

SMCA Programming Interface Information

ONLY the following fields are part of the programming interface information:

- SMCAIDTE
- SMCAITME
- SMCASID

SMCA Heading Information

Common Name:	SMF CONTROL TABLE
Macro ID:	IEESMCA
DSECT Name:	SMCABASE
Owning Component:	System Management Facilities (SC100)
Eye-Catcher ID:	"SMCA" Offset: 4 ('4' in hex) Length: 4 bytes
Storage Attributes:	Subpool: 245 Key: 0 Residency: Below
Size:	480 bytes ('1E0' in hex) FREQUENCY = 1 per MVS system
Created by:	IFASTART
Pointed to by:	CVTSMCA
Serialization:	None
Function:	Communications area used to hold data needed by SMF or other MVS components

SMCA mapping

Table 201. Structure SMCABASE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SMCABASE	
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	BITSTRING	1	SMCAOPT	- SMFDEFLT OPTIONS SELECTED AT INITIALIZATION TIME. THE OPTIONS APPLY TO BACKGROUND PROCESSING. SMCAFOPT (OFFSET 82) CONTAINS THE FOREGROUND OPTIONS.
		1...		SMCAOPT1	"BIT0" - Job accounting
		.1..		SMCAOPT2	"BIT1" - Step accounting
		..1.		SMCAEXT	"BIT2" - Exits will be taken

Table 201. Structure SMCABASE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		SMCADSA	"BIT3" - DATA SET ACCOUNTING
		.... 1...		SMCAVOL	"BIT4" - VOLUME ACCOUNTING
		.... .1..		SMCAUDCS	"BIT5" Usage Data Collection Services
		.... .1..		SMCARS01	"BIT5,,C'X'" - RESERVED
		.... ..1.		SMCATDS	"BIT6" - TYPE 17 RECORDS MAINTAINED FOR TEMPORARY DATA SETS (REC(PERM) OR REC(CALL))
		1		SMCAFGND	"BIT7" - SMF FOREGROUND OPTIONS BIT. IF 0, ABOVE BITS DESCRIBE BACKGROUND OPTIONS. IF 1, ABOVE BITS DESCRIBE FOREGROUND OPTIONS. 20011
1	(1)	BITSTRING	1	SMCAMISC	- MISCELLANEOUS INDICATORS
		1...		SMCAUSER	"BIT0" - SMF RECORDING REQUESTED
		.1..		SMCAMAN	"BIT1" - SYS1.MAN DATA SET IS/IS NOT PRESENT. BITS 0 AND 1 MEAN: 00 = NO SMF RECORDING REQUESTED (MAN=NONE), 01 = ONLY USER RECORDS TO BE RECORDED (MAN=USER), 10 = INVALID COMBINATION, 11 = SMF AND USER RECORDING REQUESTED (MAN=ALL)
		..1.		SMCADSIC	"BIT2" DATA SET INIT COMPLETE BY IEEMB829 (1 = INIT COMPLETE)
		...1		SMCAFIRT	"BIT3" - SMF DATA SET TO BE OPENED
		.... 1...		SMCAPSDP	"BIT4" - PSEUDO-DUMP SWITCH (DEVICE SWITCHING ONLY)
		.... .1..		SMCADBSY	"BIT5" - DUMP IS BUSY (SMF WRITER)
		.... ..1.		SMCABSW	"BIT6" - BUFFER SWITCH. IF 0, LEFT HALF OF BUFFER IN USE. IF 1, RIGHT HALF OF BUFFER IN USE.
		1		SMCADUMP	"BIT7" - DUMP BUSY
2	(2)	SIGNED	2	SMCATOFF	- OFFSET OF THE FIRST SMF TIOT ENTRY FROM THE BEGINNING OF THE MASTER SCHEDULER TIOT
4	(4)	CHARACTER	4	SMCASMCA	CONTROL BLOCK ID
THE FOLLOWING FIELDS ARE SET UP BY IPL INITIALIZATION					
8	(8)	SIGNED	4	SMCAJWT	- JOB WAIT TIME LIMIT - BIT 31 REPRESENTS 1.048576 SECONDS
12	(C)	ADDRESS	4	SMCAS842	- ADDRESS OF IEEMB842
16	(10)	CHARACTER	4	SMCASID	- SYSTEM IDENTIFICATION (SID) MDC002 - INTENDED FOR REFERENCE ONLY
20	(14)	ADDRESS	4	SMCABUFP	- ADDRESS OF THE SMF BUFFER
24	(18)	CHARACTER	8	SMCAMTD	MAXDORM TIME AND DATE
32	(20)	ADDRESS	4	SMCAOPTB	- ADDRESS OF SMFOPTAB
36	(24)	ADDRESS	4	SMCADFLT	- ADDRESS OF SMFDELFT
40	(28)	SIGNED	4	SMCAARCT	- # OF RECORDS AT LAST ABEND
44	(2C)	SIGNED	4	SMCAABCT	- # OF BUFFERS AT LAST ABEND
48	(30)	SIGNED	4	SMCASRCT	- # OF RECORDS AT LAST STATUS

Table 201. Structure SMCABASE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
52	(34)	SIGNED	4	SMCASBCT	- # OF BUFFERS AT LAST STATUS
56	(38)	ADDRESS	4		- Reserved - was SMCAPFBA
60	(3C)	ADDRESS	4		- Reserved - was SMCAPFEA
64	(40)	ADDRESS	4		- Reserved - was SMCAECBA
68	(44)	SIGNED	2	SMCABR14	- SMF RMTR (BR 14)
70	(46)	SIGNED	2	SMCAASID	- ASID OF SMF ADDRESS SPACE
MISCELLANEOUS POINTERS AND COMMUNICATION AREAS					
72	(48)	SIGNED	4	SMCAWAIT(2)	- THE ACCUMULATED WAIT TIME, EXPRESSED IN 26 USEC TIMER UNITS. FIRST WORD IS OVERFLOW FROM SECOND WORD.
80	(50)	CHARACTER	2	SMCAENTY(0)	- THESE SWITCHES GOVERN ENTRY CONDITIONS FOR DEVICE SWITCHING/ALLOCATION/ OPENING ROUTINES
80	(50)	BITSTRING	1	SMCAENDI	- A COMMUNICATION FIELD
		1...		SMCARS14	"BIT0,,C'X'" - RESERVED
		.1..		SMCARS15	"BIT1,,C'X'" - RESERVED
		..1.		SMCARS16	"BIT2,,C'X'" - RESERVED
		...1		SMCARS17	"BIT3,,C'X'" - RESERVED
		.... 1...		SMCARS18	"BIT4,,C'X'" - RESERVED
		.... .1..		SMCARS19	"BIT5,,C'X'" - RESERVED
		.... ..1.		SMCADSPO	"BIT6" - DISPLAY OPTIONS (D SMF,O) IS IN EFFECT
		1		SMCADSNF	"BIT7" - IF ZERO, DATA SET (X OR Y) WAS FOUND. IF ONE, DATA SET (X OR Y) WAS NOT FOUND.
81	(51)	CHARACTER	1	SMCAENOP	- ENTRY CODE THAT INDICATES WHICH LOAD OF SVC 83 HAS PASSED CONTROL TO CURRENT LOAD
82	(52)	BITSTRING	1	SMCAFOPT	- SMF FOREGROUND OPTIONS. BIT SETTINGS ARE SAME AS SMCAOPT. 20011
83	(53)	BITSTRING	1	SMCABITS	- BIT INDICATORS
		1...		SMCADAR	"X'80'" - DUMPABND OPTION INDICATOR
		.1..		SMCADSNM	"X'40'" - Data Set Name Migration Indicator
84	(54)	SIGNED	4	SMCAWRTP	- AN OPTIMUM BUFFER LOAD DISPLACEMENT FIGURE. WHEN THE BUFFER IS LOADED TO OR BEYOND THIS POINT, IT WILL BE WRITTEN TO THE SMF DATA SET.
88	(58)	SIGNED	4	SMCAOARY	- POINTER TO OLD RDS ARRAY
92	(5C)	SIGNED	4	SMCANARY	- POINTER TO NEW RDS ARRAY
96	(60)	SIGNED	4	SMCASUBP	- POINTER TO SUBPARM CHAIN
100	(64)	SIGNED	4	SMCABFMF	- MAXIMUM NUMBER OF FULL BUFFERS
104	(68)	SIGNED	4	SMCAPCNO	- PC NUMBER FOR SMFWTM

Table 201. Structure SMCABASE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
108	(6C)	CHARACTER	8	SMCADSTM	- START TIME AND DATE AT WHICH NO DATA SET WAS AVAILABLE TO RECORD ON. APPEARS IN PACKED DECIMAL IN THE FORM 00YYDDDF WHERE 00 = ZEROS, YY = LAST 2 DIGITS OF THE YEAR, DDD = DAY OF THE YEAR AND F IS A SIGN.
116	(74)	SIGNED	4	SMCADSCT	- THE NUMBER OF SMF RECORDS THAT HAVE BEEN OMITTED FROM THE SMF DATA SET DUE TO THE UNAVAILABILITY OF A DATA SET TO RECORD ON
120	(78)	ADDRESS	4	SMCAASCB	- ASCB OF SMF ADDRESS SPACE
		Although not an intended interface, some ISV products modify SMCAMACR to contain the address of their intercept routine.			
124	(7C)	SIGNED	4	SMCAMACR	- ENTRY POINT TO MACRO RTN
128	(80)	ADDRESS	4	SMCASAVE	- USER EXIT ADDRESS SAVE FIELD (OS/VS2) (MDC300)
132	(84)	SIGNED	4	SMCATEXP	- TIME OF MOST RECENT EXPIRATION OF A TEN-MINUTE TIMER QUEUE ELEMENT (TQE) ICB310
136	(88)	CHARACTER	8	SMCASTKN	- SMF Address Space Token
144	(90)	CHARACTER	4	SMCASJWT	- SAVE JWT AS ENTERED (HHMM)
148	(94)	CHARACTER	4	SMCASMDM	- SAVE MAXDORM AS ENTERED (MMSS)
152	(98)	CHARACTER	6	SMCASSTS	- SAVE STATUS AS ENTERED (HHMMSS)
158	(9E)	CHARACTER	2	SMCAPARM	- PARMLIB SUFFIX FOR RESTART
160	(A0)	ADDRESS	4	SMCASLCA	- ADDRESS OF SLCA
164	(A4)	SIGNED	4	SMCAPGM	- NUMBER OF PAGES MIGRATED ICB310
168	(A8)	ADDRESS	4	SMCAU83	- ADDRESS OF SMF OUTPUT EXIT (IEFU83) TAKEN WHEN RECORDS ARE TO BE WRITTEN TO AN SMF DATA SET ICB407
172	(AC)	ADDRESS	4	SMCAWTCB	- ADDRESS OF SMF WRITER'S TCB - USED BY XMPOST ERROR PROCESSOR (IEEMB827) (OS/VS2) MDC006
176	(B0)	ADDRESS	4	SMCATSK2	- ADDRESS OF IFASMF TASK
180	(B4)	ADDRESS	4	SMCAACTP	- ADDRESS OF THE ACT (USED BY PARSE AND INPUT MERGE AND LIST OPTIONS)
		THE NEXT TWO FIELDS ARE THE SUBJECT OF COMPARE DOUBLE AND SWAP LOGIC THAT CONTROLS THE SCHEDULING OF THE SRB. THEY MUST BE ON A DOUBLE WORD BOUNDARY. DO NOT MOVE.			
184	(B8)	DBL WORD	8	SMCACDS(0)	- TARGET OF CDS TO CONTROL SRB SCHEDULE
184	(B8)	SIGNED	4	SMCANMFL	- NUMBER OF FULL BUFFERS
188	(BC)	ADDRESS	4	SMCASSB	- POINTER TO SMF SUSPEND BLOCK
192	(C0)	SIGNED	2	SMCAMNBF	- RESERVED (PREVIOUSLY THE MINIMUM NUMBER OF BUFFERS)
194	(C2)	SIGNED	2	SMCAMXBF	- RESERVED (PREVIOUSLY THE MAXIMUM NUMBER OF BUFFERS)

Table 201. Structure SMCABASE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
196	(C4)	ADDRESS	4	SMCASTTT	- ADDRESS OF STATUS TIMER ELEMENT
200	(C8)	ADDRESS	4	SMCAMAXT	- ADDRESS OF MAXDORM TIMER ELEMENT
204	(CC)	ADDRESS	4	SMCADTB	- ADDRESS OF DUMP TIMER ELEMENT
208	(D0)	SIGNED	4	SMCABITF(0)	- FULL WORD OF BIT FLAGS
208	(D0)	BITSTRING	1	SMCAPRMT	- REPLACES OPI BIT
		1...		SMCAIPLR	"X'80'" - PROMPT(IPLR) OR PROMPT(ALL)
		.1..		SMCALIST	"X'40'" - PROMPT(LIST) OR PROMPT(ALL)
		..1.		SMCALDSN	"X'20'" - DISPLAY DATASET STATUS
		...1		SMCAMXDM	"X'10'" - MAXDORM SPECIFIED?
		.... 1...		SMCASTUS	"X'08'" - STATUS SPECIFIED?
		.... .1..		SMCARUN	"X'04'" - WRITER SRB RUNNING
		.... ..1.		SMCASKD	"X'02'" - WRITER SRB HAS BEEN SCHEDULED
		1		SMCACONS	"X'01'" - DD CONSOLIDATION
209	(D1)	BITSTRING	1	SMCAFLGS	- WRITER STATUS FLAGS
		1...		SMCAINIT	"X'80'" - WRITER TASK INITIALIZED
		.1..		SMCARSTR	"X'40'" - RESTART IN PROGRESS
		..1.		SMCADTLS	"X'20'" - DATA LOST - NO SPACE ON DATA SETS
		...1		SMCASETP	"X'10'" - SET SMF IN PROCESS
		.... 1...		SMCADISP	"X'08'" - DISPLAY SMF FOR OPTIONS OR DATASETS IS IN PROCESS.
		.... .1..		SMCAFLD	"X'04'" - SMF Flood Automation is active
EQU X'02' - Reserved - was SMCALATE					
		1		SMCASETS	"X'01'" - SETSMF IN PROCESS
210	(D2)	BITSTRING	1	SMCAFLGR	- RECOVERY FOOTPRINTS
		1...		SMCATERM	"X'80'" - SMF TERMINATED
		.1..		SMCAPGFX	"X'40'" - PAGEFIX ISSUED
		..1.		SMCASRBF	"X'20'" - WRITER SRB ABENDED AND ISSUED SDUMP
		...1		SMCAPSUS	"X'10'" - PREVENT SUSPEND PROCESSING WHILE HANDLING I/O ERROR
		...1		SMCAPCDT	"X'10'" - IFAPCWTR HAS TAKEN DUMP
		.... 1...		SMCAU29	"X'08'" - IEFU29 EXIT CALLED
		.... .1..		SMCANOST	"X'04'" - NO MORE SETS ALLOWED
		.... ..1.		SMCAPREV	"X'02'" - PREVIOUS ABEND IN EASI INTERVAL
		1		SMCANMRE	"X'01'" - NO MORE EASI INTERVAL PROC
211	(D3)	BITSTRING	1	SMCARCUR	- Recovery recursion & misc bits
		1...		SMCAMXDR	"X'80'" - PREVENT MAXDORM RECURSION
		.1..		SMCASTTR	"X'40'" - PREVENT STATUS RECURSION

Table 201. Structure SMCABASE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		SMCASUSR	"X'20'" - PREVENT SUSPEND RECURSION
		...1		SMCATIMR	"X'10'" - PREVENT TIMER RECURSON
		.... 1...		SMCASETR	"X'08'" - PREVENT SET RECURSION
		.... .1..		SMCASETC	"X'04'" FOOTPRINTS FOR SET RECOVERY
		.... ..1.		SMCASTLS	"X'02'" Indicate to IFALSMOD that SET SMF or SMF start up is in progress
		EQU X'01' Reserved			
212	(D4)	SIGNED	4	SMCAECB0	- DISPLAY SMF ECB
216	(D8)	ADDRESS	4	SMCASRB	- ADDRESS OF SMF SRB
220	(DC)	SIGNED	4	SMCAECB1	- SET SMF ECB
224	(E0)	SIGNED	4	SMCAECB2	- DUMP CHECK ECB
228	(E4)	SIGNED	4	SMCAECB3	- SETSMF ECB
232	(E8)	SIGNED	4	SMCAALCN	- Alternate console ID for SWITCH SMF
236	(EC)	SIGNED	4	SMCAXMCA	- ADDR OF CROSS MEM COMMUNICATION AREA
		CONTROL AREA FOR RDS CHAIN - RECORDING DATASET BLOCKS			
240	(F0)	CHARACTER	4	SMCARDSH	- RDSH - CHAIN HEADER ID
244	(F4)	ADDRESS	4	SMCAFRDS	- FIRST RDS
248	(F8)	ADDRESS	4	SMCALRDS	- LAST RDS
252	(FC)	ADDRESS	4	SMCASVCR	- CURRENT RDS FOR SVC 83 (IEEMB830)
256	(100)	ADDRESS	4	SMCASRBR	- CURRENT RDS FOR SRB (IEEMB834)
		MISCELLANEOUS DATA AREAS			
260	(104)	SIGNED	4	SMCA994E(3)	- DOM ID of IEE994E messages. Array entries correspond to DOM IDs for IEFU83, IEFU84, IEFU85 versions of message respectively. Serialization is CS logic.
272	(110)	SIGNED	4	SMCAECBI	- ADDRESS OF ECB FOR SMF INIT
276	(114)	SIGNED	4	SMCADMID	- DOM ID OF SMF TERMINATED MSG
280	(118)	SIGNED	4	SMCAD068	- DOM ID OF IEE068A (sync disabled)
284	(11C)	SIGNED	4	SMCAD978(0)	- DOM ID OF IEE978E MSG
284	(11C)	SIGNED	4	SMCAD986	- DOM ID OF IEE986E MSG
288	(120)	SIGNED	4	SMCABFLS	- NUMBER OF RCDS LOST DUE TO BUFFER SHORTAGE
		Double define SMCAD786 and SMCAD979 so that if we switch from dataset to logstream recording and there was a temp area full condition the message will get dommed.			
292	(124)	SIGNED	4	SMCAD786(0)	- DOM ID OF IFA786W MSG
292	(124)	SIGNED	4	SMCAD979	- DOM ID OF IEE979W MSG
296	(128)	SIGNED	4	SMCABFWT	- BUFFERS WRITTEN
300	(12C)	SIGNED	4	SMCARCWT	- RECORDS WRITTEN
		VARIABLES FOR SMF TIMER MODULE - IEEMB839			
304	(130)	ADDRESS	4	SMCATQE	- ADDRESS OF TQE

Table 201. Structure SMCABASE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
308	(134)	ADDRESS	4	SMCAENQE	- ADDRESS OF ENQUE ENTRY POINT
312	(138)	ADDRESS	4	SMCADEQE	- ADDRESS OF DEQUE ENTRY POINT
316	(13C)	ADDRESS	4	SMCANSRB	- ADDRESS OF NEXT ELEMENT ON CHAIN
320	(140)	CHARACTER	8	SMCAENDT	- Time when DIE invoked
		SELECTIVITY CONTROL AREA			
328	(148)	ADDRESS	4	SMCASSTP	- ADDRESS OF SMF SELECTIVITY TABLES
332	(14C)	ADDRESS	4	SMCASYSP	- ADDR OF THE SYSTEM (DEFAULT) SST
336	(150)	CHARACTER	4	SMCAITME	- IPL TIME (BINARY) IN HUNDREDTHS OF A SECOND - INTENDED FOR REFERENCE ONLY
340	(154)	CHARACTER	4	SMCAIDTE	- IPL DATE (0CYYDDDF) - INTENDED FOR REFERENCE ONLY
344	(158)	ADDRESS	4	SMCASACT	- ADDRESS OF THE NEW ACT FOR SET
348	(15C)	SIGNED	2	SMCANSST	- NUMBER OF SST ENTRIES
350	(15E)	SIGNED	2	SMCALSST	- LENGTH OF ONE SST ENTRY
		I/O MEASUREMENTS CONTROL AREA			
352	(160)	SIGNED	4	SMCAIOMC	NUMBER OF TIMES I/O MEASUREMENTS HAVE BEEN TURNED OFF
		1...		SMCAIOMS	"X'80'" MEASUREMENTS ARE CURRENTLY ON
		SMF ADDRESS TABLE			
356	(164)	ADDRESS	4	SMCA836	ADDRESS OF IEEMB836
360	(168)	ADDRESS	4	SMCA727	ADDRESS OF IEFTB727
364	(16C)	ADDRESS	4	SMCA728	ADDRESS OF IEFTB728
		DATASET CONTROL INTERVAL SIZE AND DATA LOST CONTROL FLAGS			
368	(170)	SIGNED	4	SMCACISZ	SESSION DATASET CONTROL INT SIZE
372	(174)	ADDRESS	4	SMCA721(0)	ADDRESS OF IEFTB721
372	(174)	ADDRESS	4	SMCAJAC	ADDRESS OF IFAJAC00
376	(178)	ADDRESS	4	SMCASMCX	POINTER TO SMCX (SMCA EXTENSION IN 31-BIT STORAGE)
380	(17C)	ADDRESS	4	SMCASCHD	ADDR OF DEFERRED SCHED SUB-ROUTINE IN IEEMB839
384	(180)	BITSTRING	1	SMCAFLGA	Miscellaneous flags
		1...		SMCAATSS	"X'80'" - AUTHSETSMF was specified
		.1..		SMCANTSS	"X'40'" - NOAUTHSETSMF was specified
		EQU BIT2 - Reserved EQU BIT3 - RESERVED			
		.... 1...		SMCAEXR1	"BIT4" - RESERVED
		.... .1..		SMCAEXR3	"BIT5" - RESERVED
		.... ..1.		SMCAEXR4	"BIT6" - RESERVED
		1		SMCAEXR5	"BIT7" - RESERVED
385	(181)	BITSTRING	1	SMCASIDB	SMF SID Syntax Used
		1...		SMCASDFT	"X'80'" 'Default'

Table 201. Structure SMCABASE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		SMCASONL	"X'40'" SID(xxxx)
		..1.		SMCASSER	"X'20'" SID(xxxx,ser#)
		...1		SMCASSYS	"X'10'" SID(xxxxSYSNAME(sysname))
		.... 1...		SMCASSYM	"X'08'" SID(&SYSNAME(m:n))
		.... .1..		SMCASCOM	"X'04'" SID(xxxx,COMBIN(ser#,ser#))
		11		SMCASRSV	"X'03'" Reserved
386	(182)	BITSTRING	1	SMCAUFLG	Usage Data Collection Services Flags
		1...		SMCAUT89	"BIT0" - Type 89 Subtype 1 Recording Active
		.1..		SMCAT892	"BIT1" - Type 89 Subtype 2 Recording Active
387	(183)	BITSTRING	1		Reserved
388	(184)	BITSTRING	1	SMCADLFL	DATA LOST CONTROL FLAGS
		1...		SMCADLWT	"BIT0" - MAXBUFFS OPTION SPECIFIED
		.1..		SMCADLHL	"BIT1" - NOBUFFS(HALT) SPECIFIED
		..1.		SMCADLLD	"BIT2" - LASTDS(HALT) SPECIFIED
		...1		SMCADLR1	"BIT3" - RESERVED
		.... 1...		SMCADLR2	"BIT4" - RESERVED
		.... .1..		SMCADLR3	"BIT5" - RESERVED
		.... ..1.		SMCADLR4	"BIT6" - RESERVED
		1		SMCADLR5	"BIT7" - RESERVED
389	(185)	BITSTRING	1		Reserved
390	(186)	SIGNED	2	SMCAASIS	SMF ASID used for serialization
392	(188)	ADDRESS	4	SMCA838M	- Address of IEEMB838
396	(18C)	SIGNED	4		- Reserved
400	(190)	ADDRESS	4	SMCAJAC1	ADDRESS OF IFAJAC01
404	(194)	ADDRESS	4	SMCAUDCA	Address of Usage Data Collection
408	(198)	SIGNED	4	SMCAUPCL	Usage PCA Lockword
412	(19C)	SIGNED	4	SMCAUPCA	Address of first PCA on chain
416	(1A0)	SIGNED	4	SMCAUACL	Usage ACA Lockword
420	(1A4)	SIGNED	4	SMCAUACA	Address of first ACA on chain
424	(1A8)	ADDRESS	4	SMCAUDCT	Address of Usage Data Collection Timer Element
428	(1AC)	CHARACTER	4		Reserved for Alignment
432	(1B0)	BITSTRING	8	SMCAUST	Usage Data Start Time (TOD)
440	(1B8)	BITSTRING	8	SMCAUSTL	Usage Data Start Time (Local)
448	(1C0)	BITSTRING	8	SMCAUET	Usage Data End Time (TOD)
456	(1C8)	BITSTRING	8	SMCAUETL	Usage Data End Time (Local)
464	(1D0)	BITSTRING	8	SMCAUIT	Usage Record End Time (TOD)
472	(1D8)	BITSTRING	8	SMCAUITL	Usage Record End Time (Local)
480	(1E0)	BITSTRING	8	SMCAUISL	Usage Record Start Time (Local)
488	(1E8)	SIGNED	4	SMCAUCCA	Address of first CCA
492	(1EC)	SIGNED	4	SMCAUZNF	IFA Normalization factor
496	(1F0)	SIGNED	4	SMCAUSNF	SUP Normalization factor
496	(1F0)	X'1F4'	0	SMCAEND	"*"
496	(1F0)	X'1F4'	0	SMCASIZE	"SMCAEND-SMCABASE" - SIZE OF SMCA TABLE

Table 202. Cross Reference for SMCA

Name	Offset	Hex Tag
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
SMCAABCT	2C	
SMCAACTP	B4	
SMCAALCN	E8	
SMCAARCT	28	
SMCAASCB	78	
SMCAASID	46	
SMCAASIS	186	
SMCAATSS	180	80
SMCABASE	0	
SMCABFLS	120	
SMCABFMF	64	
SMCABFWT	128	
SMCABITF	D0	
SMCABITS	53	
SMCABR14	44	
SMCABSW	1	2
SMCABUFP	14	
SMCACDS	B8	
SMCACISZ	170	
SMCACONS	D0	1
SMCADAR	53	80
SMCADBSY	1	4
SMCADEQE	138	
SMCADFLT	24	
SMCADISP	D1	8
SMCADLFL	184	
SMCADLHL	184	40
SMCADLLD	184	20
SMCADLR1	184	10
SMCADLR2	184	8
SMCADLR3	184	4
SMCADLR4	184	2
SMCADLR5	184	1
SMCADLWT	184	80
SMCADMID	114	
SMCADSA	0	10
SMCADSCT	74	
SMCADSIC	1	20
SMCADSNF	50	1
SMCADSNM	53	40
SMCADSPO	50	2

Table 202. Cross Reference for SMCA (continued)

Name	Offset	Hex Tag
SMCADSTM	6C	
SMCADTB	CC	
SMCADTLS	D1	20
SMCADUMP	1	1
SMCAD068	118	
SMCAD786	124	
SMCAD978	11C	
SMCAD979	124	
SMCAD986	11C	
SMCAECBI	110	
SMCAECB0	D4	
SMCAECB1	DC	
SMCAECB2	E0	
SMCAECB3	E4	
SMCAEND	1F0	1F4
SMCAENDI	50	
SMCAENDT	140	
SMCAENOP	51	
SMCAENQE	134	
SMCAENTY	50	
SMCAEXR1	180	8
SMCAEXR3	180	4
SMCAEXR4	180	2
SMCAEXR5	180	1
SMCAEXT	0	20
SMCAFGND	0	1
SMCAFIRT	1	10
SMCAFLD	D1	4
SMCAFLGA	180	
SMCAFLGR	D2	
SMCAFLGS	D1	
SMCAFOPT	52	
SMCAFRDS	F4	
SMCAIDTE	154	
SMCAINIT	D1	80
SMCAIOMC	160	
SMCAIOMS	160	80
SMCAIPLR	D0	80
SMCAITME	150	
SMCAJAC	174	
SMCAJAC1	190	
SMCAJWT	8	
SMCALDSN	D0	20
SMCALIST	D0	40
SMCALRDS	F8	
SMCALSST	15E	
SMCAMACR	7C	
SMCAMAN	1	40
SMCAMAXT	C8	

Table 202. Cross Reference for SMCA (continued)

Name	Offset	Hex Tag
SMCAMISC	1	
SMCAMNBF	C0	
SMCAMTD	18	
SMCAMXBF	C2	
SMCAMXDM	D0	10
SMCAMXDR	D3	80
SMCANARY	5C	
SMCANMFL	B8	
SMCANMRE	D2	1
SMCANOST	D2	4
SMCANSRB	13C	
SMCANSST	15C	
SMCANTSS	180	40
SMCAOARY	58	
SMCAOPT	0	
SMCAOPTB	20	
SMCAOPT1	0	80
SMCAOPT2	0	40
SMCAPARM	9E	
SMCAPCDT	D2	10
SMCAPCNO	68	
SMCAPGFX	D2	40
SMCAPGM	A4	
SMCAPREV	D2	2
SMCAPRMT	D0	
SMCAPSDP	1	8
SMCAPSUS	D2	10
SMCARCUR	D3	
SMCARCWT	12C	
SMCARDSH	F0	
SMCARSTR	D1	40
SMCARS01	0	4
SMCARS14	50	80
SMCARS15	50	40
SMCARS16	50	20
SMCARS17	50	10
SMCARS18	50	8
SMCARS19	50	4
SMCARUN	D0	4
SMCASACT	158	
SMCASAVE	80	
SMCASBCT	34	
SMCASCHD	17C	
SMCASCOM	181	4
SMCASDFT	181	80
SMCASETC	D3	4
SMCASETP	D1	10
SMCASETR	D3	8
SMCASETS	D1	1

Table 202. Cross Reference for SMCA (continued)

Name	Offset	Hex Tag
SMCASID	10	
SMCASIDB	181	
SMCASIZE	1F0	1F4
SMCASJWT	90	
SMCASKD	D0	2
SMCASLCA	A0	
SMCASMCA	4	
SMCASMCX	178	
SMCASMDM	94	
SMCASONL	181	40
SMCASRB	D8	
SMCASRBF	D2	20
SMCASRBR	100	
SMCASRCT	30	
SMCASRSV	181	3
SMCASSB	BC	
SMCASSER	181	20
SMCASSTP	148	
SMCASSTS	98	
SMCASSYM	181	8
SMCASSYS	181	10
SMCASTKN	88	
SMCASTLS	D3	2
SMCASTTR	D3	40
SMCASTTT	C4	
SMCASTUS	D0	8
SMCASUBP	60	
SMCASUSR	D3	20
SMCASVCR	FC	
SMCASYSP	14C	
SMCAS842	C	
SMCATDS	0	2
SMCATERM	D2	80
SMCATEXP	84	
SMCATIMR	D3	10
SMCATOFF	2	
SMCATQE	130	
SMCATSK2	B0	
SMCAT892	182	40
SMCAUACA	1A4	
SMCAUACL	1A0	
SMCAUCCA	1E8	
SMCAUDCA	194	
SMCAUDCS	0	4
SMCAUDCT	1A8	
SMCAUET	1C0	
SMCAUETL	1C8	
SMCAUFLG	182	
SMCAUISL	1E0	

Table 202. Cross Reference for SMCA (continued)

Name	Offset	Hex Tag
SMCAUIT	1D0	
SMCAUITL	1D8	
SMCAUPCA	19C	
SMCAUPCL	198	
SMCAUSER	1	80
SMCAUSNF	1F0	
SMCAUST	1B0	
SMCAUSTL	1B8	
SMCAUT89	182	80
SMCAUZNF	1EC	
SMCAU29	D2	8
SMCAU83	A8	
SMCAVOL	0	8
SMCAWAIT	48	
SMCAWRTP	54	
SMCAWTCB	AC	
SMCAXMCA	EC	
SMCA721	174	
SMCA727	168	
SMCA728	16C	
SMCA836	164	
SMCA838M	188	
SMCA994E	104	

Chapter 49. SMDLR Information

SMDLR Programming Interface Information

SMDLR is a programming interface.

SMDLR Heading Information

Common Name: Summary Dump Logical Record
Macro ID: IHASMDLR
DSECT Name: SMDLR, SMDLRSFX, SMDXR
Owning Component: Dumping Services (SCDMP)
Eye-Catcher ID: None
Storage Attributes: Subpool: N/A
Key: N/A
Size: SMDLR: 20 bytes plus the length of the data contained in the record
SMDXR: 32 bytes
Created by: IEAVTSSD, IEAVTSSE, IEAVTSSV
Pointed to by: None
Serialization: None
Function: SMDLR The summary dump logical record describes each record of a summary dump. It provides a format by which a summary dump can be accessed and printed. It tells the type, address, asid, and length of the data dumped as one summary dump record.
SMDXR Summary dump index records are created during summary dump processing. These records provide a list of addresses with ASIDs (and possibly dataspace information), storage types and lengths of areas processed during summary dump capture.
In a dump dataset, SMDXR records are contained in summary dump component records (dump records of type "SC", with component identifier of "IEAVTSUM". Each summary dump component record can contain up to 128 32-byte SMDXRs.

SMDLR mapping

Table 203. Structure SMDLR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SMDLR	
0	(0)	CHARACTER	20	SMDLRHDR	HEADER FOR EACH SUMMARY DUMP LOGICAL RECORD
0	(0)	SIGNED	2	SMDLRID	UNIQUE ID FOR EACH RECORD. SEE THE CONSTANTS BELOW
2	(2)	SIGNED	2	SMDLRAID	ASID OF DATA CONTAINED IN THIS RECORD COMMON STORAGE DENOTED BY FFFF

Table 203. Structure SMDLR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	SIGNED	4	SMDLRLEN	TOTAL LENGTH OF THE DATA AREA WHICH IS REPRESENTED BY THIS LOGICAL RECORD AND ALL ITS CONTINUATIONS. THIS WILL BE 0 FOR A CONTINUATION
8	(8)	ADDRESS	4	SMDLRADR	ORIGINAL ADDRESS DATA FOLLOWING
12	(C)	ADDRESS	4	SMDLRPL	LENGTH OF THE DATA THAT ACTUALLY FOLLOWS THIS HEADER
16	(10)	SIGNED	1	SMDLRMSG	IF NONZERO THIS IS THE ID OF A SUMMARY DUMP MESSAGE WHICH IS TO BE GENERATED AS PART OF THE PRINTED OUTPUT WHEN THE DATA IS FORMATED
17	(11)	SIGNED	3	SMDLRSFO	OFFSET FROM SMDLRHDR TO SUFFIX
20	(14)	CHARACTER	1	SMDLRDAT(0)	DATA
20	(14)	X'14'	0	SMDLR_LEN	"*-SMDLR"

Table 204. Structure SMDLRSFX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SMDLRSFX	
	SUFFIX, WHICH FOLLOWS THE HEADER IN THE ACTUAL DUMP RECORD, BUT FOLLOWS THE DATA IN THE RECORD RETURNED BY IEAVTFRD (DEFAULT BASING EXPRESSION)				
0	(0)	CHARACTER	22	SMDLRDSC	STRUCTURE FOR CLEARING DATASPACE FIELDS
0	(0)	BITSTRING	8	SMDLRSTK	STOKEN
8	(8)	ADDRESS	4	SMDLRAST	ASTE REAL ADDRESS
12	(C)	CHARACTER	8	SMDLRDSP	DATA SPACE NAME
20	(14)	SIGNED	2	SMDLRDSA	OWNING ASID OF DATA SPACE. THIS FIELD MUST FOLLOW SMDLRDSP DUE TO FORMATTING CONSIDERATIONS
22	(16)	SIGNED	2	SMDLRSFL	LENGTH OF SUFFIX
24	(18)	CHARACTER	1	SMDLRSFE(0)	END OF SUFFIX
24	(18)	X'18'	0	SMDLRSFX_LEN	"*-SMDLRSFX" HEADER PLUS SUFFIX WITHIN THE ACTUAL DUMP RECORD, WHERE THE SUFFIX DIRECTLY FOLLOWS THE HEADER

Table 205. Structure SMDXR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SMDXR	SumMary Dump indeX Record
0	(0)	SIGNED	2	SMDXRID	ID for this area.
2	(2)	SIGNED	2	SMDXRAID	ASID for this area address
4	(4)	CHARACTER	16	SMDXRRNG	Field to clear addr/length information
4	(4)	CHARACTER	8	SMDXRADR64	64-bit address
4	(4)	SIGNED	4	SMDXRADR64H	High half
8	(8)	ADDRESS	4	SMDXRADR	Address of area
12	(C)	CHARACTER	8	SMDXRLEN64	Length of data for this area

Table 205. Structure SMDXR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	SIGNED	4		High half
16	(10)	SIGNED	4	SMDXRLEN	Low half of length
20	(14)	CHARACTER	10	SMDXRDSC	Dataspace field clearing field
20	(14)	CHARACTER	8	SMDXRDSP	Data space name
28	(1C)	SIGNED	2	SMDXROAI	Owning ASID for dataspace
30	(1E)	SIGNED	1	SMDXRMSG	If non-zero, the id of a message to be displayed when formatting this header record
31	(1F)	CHARACTER	1	SMDXRFLG	Flags
		1...		SMDXRCOM	"X'80'" Starting address represents common storage
		.1..		SMDXRINC	"X'40'" Some storage within the range not dumped
CONSTANTS IDENTIFYING MESSAGES TO BE ASSOCIATED WITH SUMMARY DUMP INDEX RECORDS. SEE SMDXRMSG / SMDLRMSG.					
31	(1F)	X'1'	0	SMDLSTER	"1" AN ERROR IN THE SDUMP SUMLIST
31	(1F)	X'2'	0	SMDNORT2	"2" NO RTM2 WA FOUND FOR THE ASID
31	(1F)	X'3'	0	SMDIHSER	"3" RELEVENT IHSA COULD NOT BE ADDRESSED
31	(1F)	X'4'	0	SMDLWSER	"4" RELEVENT LOCAL WSA COULD NOT BE ADDRESSED
31	(1F)	X'5'	0	SMDSLAER	"5" SUMLSTA IN ERROR
31	(1F)	X'6'	0	SMDRNGER	"6" A SPECIFIED ADDRESS RANGE WAS NOT VALID
31	(1F)	X'7'	0	SMDPCLER	"7" THE PCLINK STACK COULD NOT BE TOTALLY ACCESSED
31	(1F)	X'8'	0	SMDASDER	"8" A SPECIFIED ASID COULD NOT BE ACCESSED
31	(1F)	X'9'	0	SMDRNGRF	"9" A SPECIFIED ADDRESS RANGE COULD NOT BE ACCESSED
31	(1F)	X'A'	0	SMDSPNDR	"10" AN ERROR HAS OCCURRED CAUSING THE TERMINATION OF THE SUSPEND SUMMARY DUMP
31	(1F)	X'B'	0	SMDSPDBL	"11" SDUMP CALLER WAS DISABLED
31	(1F)	X'C'	0	SMDSPNOD	"12" DUMPSRV ADDRESS SPACE NOT ACTIVE
31	(1F)	X'D'	0	SMDSPDSE	"13" DUMPSRV ADDRESS SPACE IN ERROR
31	(1F)	X'E'	0	SMDSPDHM	"14" DUMPSRV ADDRESS SPACE WAS CALLERS HOME ASID
31	(1F)	X'F'	0	SMDSPLDS	"15" SDUMP CALLER HELD DUMPSRV CML LOCK
31	(1F)	X'10'	0	SMDNOSSV	"16" IEAVTSSV WAS NOT BE FOUND
31	(1F)	X'11'	0	SMDNOLOC	"17" SUSPEND SUMMARY DUMP NEEDS THE LOCAL LOCK TO DO THE STOP BUT TYPE=NOLOCAL OPTION WAS SPECIFIED
31	(1F)	X'12'	0	SMDSLLER	"18" AN ERROR IN THE SDUMP SUMLSTL

Table 205. Structure SMDXR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
31	(1F)	X'13'	0	SMDSLLSP	"19" SUMLSTL SPECIFIED ON ENABLED DUMP, SO SUSPEND SUMMARY DONE
31	(1F)	X'14'	0	SMDPSRER	"20" ERROR WHILE DUMPING PSWREGS= STORAGE RANGES
31	(1F)	X'15'	0	SMDSPDCB	"21" SUSPEND SUMMARY DUMP REQUESTED WHEN DCB PARAMETER SPECIFIED
31	(1F)	X'16'	0	SMDSL64E	"22" SUMLST64 IN ERROR
CONSTANTS IDENTIFYING EACH TYPE OF SUMMARY DUMP RECORD. SEE FIELD SMDXRID / SMDLRID.					
31	(1F)	X'0'	0	SMDUNASS	"0" Unassigned
31	(1F)	X'1'	0	SMDPCCA	"1" PCCA PHYSICAL CONFIG COMMUNICATION AREA
31	(1F)	X'2'	0	SMDLCCA	"2" LCCA LOCAL CONFIG COMMUNICATION AREA
31	(1F)	X'3'	0	SMDPSA	"3" PSA PREFIX SAVE AREA
31	(1F)	X'4'	0	SMDTRT	"4" SYSTEM TRACE TABLE WITH PRECEEDING CNTL INFO
31	(1F)	X'5'	0	SMDFRRS	"5" THE SUPERVISOR FRR STACKS
31	(1F)	X'6'	0	SMDLCCX	"6" LCCX -- LCCA EXTENSION
31	(1F)	X'1E'	0	SMDIDUCT	"30" INTERRUPT HANDLER DUCT
31	(1F)	X'1F'	0	SMDSDUCT	"31" SRB DUCT
31	(1F)	X'20'	0	SMDWDUCT	"32" WORK UNIT DUCT
31	(1F)	X'21'	0	SMDPSNAL	"33" PASN ACCESS LIST
31	(1F)	X'22'	0	SMDSRBAL	"34" SRB ACCESS LIST
31	(1F)	X'23'	0	SMDDUAL	"35" WORK UNIT ACCESS LIST
31	(1F)	X'24'	0	SMDILSTK	"36" INTERRUPT HANDLER LINKAGE STACK
31	(1F)	X'25'	0	SMDCLSTK	"37" CURRENT LINKAGE STACK
31	(1F)	X'2D'	0	SMDLST64	"45" STORAGE INDICATED BY THE SUMLST64 KWD
31	(1F)	X'2E'	0	SMDLIST	"46" STORAGE INDICATED BY THE SUMLIST KEYWORD
31	(1F)	X'2F'	0	SMDIHSA	"47" IHSA INT HANDLER SAVE AREA
31	(1F)	X'30'	0	SMDREGV	"48" STORAGE NEAR ADDRESSES IN REGISTERS
31	(1F)	X'31'	0	SMDPSWS	"49" STORAGE NEAR ADDRESSES IN PSWS
31	(1F)	X'32'	0	SMDWSAGV	"50" WSAVTG GLOBAL WSA VECTOR TABLE
31	(1F)	X'33'	0	SMDWSACV	"51" WSAVTC CPU WSA VECTOR TABLE
31	(1F)	X'34'	0	SMDWSALV	"52" WSAVTL LOCAL WSA VECTOR TABLE
31	(1F)	X'35'	0	SMDEOD	"53" END SUMMARY DUMP
31	(1F)	X'36'	0	SMDSUMLL	"54" STORAGE INDICATED BY THE SUMLSTL KWD
31	(1F)	X'37'	0	SMDREGD	"55" DATA SPACE STORAGE AROUND THE REGS
31	(1F)	X'38'	0	SMDSDWA	"56" SDWA SYSTEM DIAGNOSTIC WORK AREA
31	(1F)	X'39'	0	SMDRTM2A	"57" RTM2WA RTM2 WORK AREA

Table 205. Structure SMDXR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
31	(1F)	X'3A'	0	SMDR2TRT	"58" SYSTEM TRACE TABLE W/O PRECEEDING CNTL INFO
31	(1F)	X'3B'	0	SMDNULL	"59" EMPTY RECORD,CONTAINS NO DATA
31	(1F)	X'3C'	0	SMDASIDR	"60" ASID JOB PROCSTEP & STEP NAME
31	(1F)	X'3D'	0	SMDEORSB	"61" End of real storage buffer capture
31	(1F)	X'40'	0	SMDXSB	"64" XSB CONTROL BLOCK
31	(1F)	X'41'	0	SMDSTKE	"65" PCLINK STACK ELEMENT
31	(1F)	X'42'	0	SMDLISTA	"66" ID FOR SUMLISTA RECORDS
31	(1F)	X'43'	0	SMDXMASD	"67" ID FOR CROSS MEMORY ASID RECORDS
31	(1F)	X'44'	0	SMDHASCB	"68" SUSPEND SUMDUMP CALLER ASCB
31	(1F)	X'45'	0	SMDCTCB	"69" SUSPEND SUMDUMP CALLER TCB
31	(1F)	X'46'	0	SMDCRB	"70" SUSPEND SUMDUMP CALLER RB
31	(1F)	X'47'	0	SMDCSSRB	"71" SUSPEND SUMDUMP CALLER SSRB
31	(1F)	X'48'	0	SMDCSAV	"72" SUSPEND SUMDUMP CALLER REG SA
31	(1F)	X'49'	0	SMDSPEND	"73" SUSPEND SUMDUMP ERROR RECORD ID
31	(1F)	X'4A'	0	SMDHASSB	"74" SUSPEND SUMDUMP CALLER ASSB
31	(1F)	X'4B'	0	SMDCSTCB	"75" SUSPEND SUMDUMP CALLER STCB
31	(1F)	X'4C'	0	SMDHJSAB	"76" SUSPEND SUMDUMP CALLER JSAB
31	(1F)	X'4D'	0	SMDWSAGS	"77" WSAVTG GLOBAL WORK SAVE AREAS
31	(1F)	X'4E'	0	SMDWSACS	"78" WSAVTC CPU WORK SAVE AREAS
31	(1F)	X'4F'	0	SMDWSALS	"79" WSAVTL LOCAL WORK SAVE AREAS
31	(1F)	X'50'	0	SMDWSLPA	"80" SLIP REGISTER/PSW AREA
31	(1F)	X'51'	0	SMDSPSWR	"81" ID FOR PSWREGS PARAMETER LIST
31	(1F)	X'52'	0	SMDPSWRD	"82" ID FOR PSWREGS ADDRESS SPACE DATA
31	(1F)	X'53'	0	SMDPSRDS	"83" ID FOR PSWREGS DATASPACE DATA
31	(1F)	X'63'	0	SMDUNKWN	"99" UNKNOWN RECORD ID SUSPEND SUMMARY DUMP IDS
32	(20)	X'20'	0	SMDXR_LEN	"*-SMDXR"

Table 206. Cross Reference for SMDLR

Name	Offset	Hex Tag
SMDASDER	1F	8
SMDASIDR	1F	3C
SMDCLSTK	1F	25
SMDCRB	1F	46
SMDCSAV	1F	48
SMDCSSRB	1F	47
SMDCSTCB	1F	4B
SMDCTCB	1F	45
SMDDUAL	1F	23

Table 206. Cross Reference for SMDLR (continued)

Name	Offset	Hex Tag
SMDEOD	1F	35
SMDEORSB	1F	3D
SMDFRRS	1F	5
SMDHASCB	1F	44
SMDHASSB	1F	4A
SMDHJSAB	1F	4C
SMDIDUCT	1F	1E
SMDIHSA	1F	2F
SMDIHSER	1F	3
SMDILSTK	1F	24
SMDLCCA	1F	2
SMDLCCX	1F	6
SMDLIST	1F	2E
SMDLISTA	1F	42
SMDLR	0	
SMDLR_LEN	14	14
SMDLRADR	8	
SMDLRAID	2	
SMDLRAST	8	
SMDLRDAT	14	
SMDLRDSA	14	
SMDLRDSC	0	
SMDLRDSP	C	
SMDLRHDR	0	
SMDLRID	0	
SMDLRLEN	4	
SMDLRMSG	10	
SMDLRPL	C	
SMDLRSFE	18	
SMDLRSFL	16	
SMDLRSFO	11	
SMDLRSFX	0	
SMDLRSFX_LEN	18	18
SMDLRSTK	0	
SMDLSTER	1F	1
SMDLST64	1F	2D
SMDLWSER	1F	4
SMDNOLOC	1F	11
SMDNORT2	1F	2
SMDNOSSV	1F	10
SMDNULL	1F	3B
SMDPCCA	1F	1
SMDPCLER	1F	7
SMDPSA	1F	3
SMDPSNAL	1F	21
SMDPSRDS	1F	53
SMDPSRER	1F	14
SMDPSWRD	1F	52
SMDPSWS	1F	31

Table 206. Cross Reference for SMDLR (continued)

Name	Offset	Hex Tag
SMDREGD	1F	37
SMDREGV	1F	30
SMDRNGER	1F	6
SMDRNGRF	1F	9
SMDRTM2A	1F	39
SMDR2TRT	1F	3A
SMDSDUCT	1F	1F
SMDSDWA	1F	38
SMDSLAER	1F	5
SMDSLLER	1F	12
SMDSLLSP	1F	13
SMDSL64E	1F	16
SMDSPDBL	1F	B
SMDSPDCB	1F	15
SMDSPDHM	1F	E
SMDSPDSE	1F	D
SMDSPEND	1F	49
SMDSPLDS	1F	F
SMDSPNDR	1F	A
SMDSPNOD	1F	C
SMDSPSWR	1F	51
SMDSRBAL	1F	22
SMDSTKE	1F	41
SMDSUMLL	1F	36
SMDTRT	1F	4
SMDUNASS	1F	0
SMDUNKWN	1F	63
SMDWDUCT	1F	20
SMDWSACS	1F	4E
SMDWSACV	1F	33
SMDWSAGS	1F	4D
SMDWSAGV	1F	32
SMDWSALS	1F	4F
SMDWSALV	1F	34
SMDWSLPA	1F	50
SMDXMASD	1F	43
SMDXR	0	
SMDXR_LEN	20	20
SMDXRADR	8	
SMDXRADR64	4	
SMDXRADR64H	4	
SMDXRAID	2	
SMDXRCOM	1F	80
SMDXRDSC	14	
SMDXRDSP	14	
SMDXRFLG	1F	
SMDXRID	0	
SMDXRINC	1F	40
SMDXRLEN	10	

Table 206. Cross Reference for SMDLR (continued)

Name	Offset	Hex Tag
SMDXRLEN64	C	
SMDXRMSG	1E	
SMDXROAI	1C	
SMDXRRNG	4	
SMDXSB	1F	40

Chapter 50. SMEW Information

SMEW Heading Information

Common Name: SUMMARY DUMP EXTENDED WORK AREA
Macro ID: IHASMEW
DSECT Name: SMEW
Owning Component: SVC DUMP (SCDMP)
Eye-Catcher ID: SMEW
Offset: 0
Length: 4
Storage Attributes: Subpool: 231
Key: 0
Data Space: NONE
Residency: ANY,ANY
Size: 88 BYTES
Created by: IEAVTSAI
Pointed to by: RTCTSMEW
Serialization: SDUMP LOCK
Function: USED TO HOLD INFORMATION PERTAINING TO THE DUMPING SERVICES (DUMPSRV) ADDRESS SPACE. THIS INFORMATION IS USED BY THE SUMMARY DUMP PROCESSOR WHEN TAKING AN ENABLED SUSPEND SUMMARY DUMP (SUSPEND=YES ON THE SDUMP MACRO).

SMEW mapping

Table 207. Structure SMEW

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	88	SMEW	DUMP EXTENDED WORK AREA
0	(0)	CHARACTER	4	SMEWID	EBCDIC IDENTIFIER -SMEW-
4	(4)	CHARACTER	4	*	Reserved
8	(8)	CHARACTER	24	SMEWVB	VIRTUAL BUFFER INFORMATION
8	(8)	ADDRESS	8	SMEWVBST	START OF VIRTUAL BUFFER
16	(10)	ADDRESS	8	SMEWVBEN	END OF VIRTUAL BUFFER
24	(18)	SIGNED	4	SMEWVBCT	BLOCK COUNT FOR VIRT BUFF
28	(1C)	SIGNED	4	*	RESERVED
32	(20)	ADDRESS	2	SMEWSASD	ASID OF SDUMP CALLER
34	(22)	ADDRESS	2	*	RESERVED
36	(24)	ADDRESS	4	SMEWRTRN	COMMON RETURN REGISTER SAVE AREA
40	(28)	CHARACTER	40	SMEWCNTL	AREA FOR CONTROLLING THE BUFFER
40	(28)	ADDRESS	2	SMEWVSPC	SPACE REMANING ON CURRENT PAGE
42	(2A)	UNSIGNED	2	*	RESERVED
44	(2C)	SIGNED	4	SMEWVBUS	NUMBER OF BUFFER BLOCKS USED
48	(30)	ADDRESS	8	SMEWVBLK	ADDR OF CURRENTLY USED BLOCK@L1C
56	(38)	ADDRESS	8	SMEWVBAD	ADDR OF FREE DATA SPACE
64	(40)	ADDRESS	8	SMEWPSAD	CURRENT SUMDUMP PSEUDO @
72	(48)	SIGNED	4	*	RESERVED
76	(4C)	CHARACTER	4	SMEWFLGS	FLAGS USED TO CONTROL BUFFER
76	(4C)	CHARACTER	1	SMEWFLG1	FIRST BYTE OF FLAGS

Table 207. Structure SMEW (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		SMEWVSBW	1=VIRTUAL BUFFER TO WRITE OUT
		.1..		SMEWSBIT	1=S-BIT ONE DURING MOVE PROCESS
		..1.		SMEWVSBF	1=VIRTUAL STORAGE BUFFER IS FULL
80	(50)	ADDRESS	4	*	RESERVED
84	(54)	ADDRESS	4	*	RESERVED

Table 208. Constants for SMEW

Len	Type	Value	Name	Description
4	DECIMAL	4096	SMEWBKSZ	Virtual buffer block size is only one page of data
4	DECIMAL	88	SMEWLEN	SMEW LENGTH

Table 209. Cross Reference for SMEW

Name	Offset	Hex Tag
SMEW	0	
SMEWCNTL	28	
SMEWFLGS	4C	
SMEWFLG1	4C	
SMEWID	0	
SMEWPSAD	40	
SMEWRTRN	24	
SMEWSASD	20	
SMEWSBIT	4C	40
SMEWVB	8	
SMEWVBAD	38	
SMEWVBCT	18	
SMEWVBEN	10	
SMEWVBLK	30	
SMEWVBST	8	
SMEWVBUS	2C	
SMEWVSBF	4C	20
SMEWVSBW	4C	80
SMEWVSPC	28	

Chapter 51. SMWKRSCB Information

SMWKRSCB Heading Information

Common Name: SUMMARY DUMP REAL STORAGE CONTROL BLOCK
Macro ID: IHASDRSB
DSECT Name: SMWKRSCB
Owning Component: SVC Dump (SCDMP)
Eye-Catcher ID: NONE
Storage Attributes: Main Storage: One per system
Subpool: 239
Key: 0
Residency: Above 16M
Size: DECIMAL 16384, X'4000'
Created by: IEAVTSDI
Pointed to by: SMWKRSM
Serialization: Same as the RTCT
Function: MAPS THE PART OF THE SUMMARY DUMP WORK AREA USED BY THE REAL STORAGE MANAGEMENT FUNCTION (RSM) TO CONTAIN IMPORTANT ADDRESSES AND COUNTERS WHICH DESCRIBE THE REAL STORAGE BUFFER OBTAINED BY RSM FOR SUMMARY DUMP USE DURING A SUMMARY SVC DUMP REQUEST.

SMWKRSCB mapping

Table 210. Structure SMWKRSCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16384	SMWKRSCB	REAL STORAGE BUFFER CONTROL AREA
0	(0)	BITSTRING	1	SMWKFLAG	RESERVED
		1...		SMWKSDWR	AT LEAST 1 RECORD OF THE SUMMARY DUMP HAS BEEN WRITTEN TO THE DUMP DATASET
1	(1)	BITSTRING	1	SMWKFCDE	FUNCTION CODE USED TO INDICATE THE TYPE OF REQUEST TO RSM
2	(2)	UNSIGNED	2	SMWKFRHD	Real storage frames Requested/Held, insure logical compares
4	(4)	SIGNED	4	SMWKLSTL	NUMBER OF ENTRIES IN THE LIST POINTED TO BY SMWKLSTA
8	(8)	SIGNED	4	SMWKLSTA	ADDRESS OF THE REAL FRAME POINTERS LIST
12	(C)	ADDRESS	4	SMWKTSDS	ADDRESS OF SUM DUMP STEAL BACK
16	(10)	CHARACTER	8	SMWKSB64	64-bit steal back address
16	(10)	UNSIGNED	4	SMWKSBRV	Reserved
20	(14)	ADDRESS	4	SMWKSBAD	31-bit steal back address
24	(18)	CHARACTER	16360	SMWKRSFM	TABLE OF REAL STORAGE FRAME ADDRESSES
24	(18)	CHARACTER	8	SMWKFRMA64(2045)	REAL ADDRESS OF EACH FRAME
24	(18)	UNSIGNED	4	SMWKRSV	Reserved in S/390 mode
28	(1C)	ADDRESS	4	SMWKFRMA	Real address of each frame for S/390 mode

SMWKRSCB mapping

Table 211. Constants for SMWKRSCB

Len	Type	Value	Name	Description
	THE FOLLOWING CONSTANTS ARE USED TO SET THE FUNCTION CODE USED TO TELL RSM THE TYPE OF REQUEST.			
1	HEX	00	SMWKLOK1	OBTAIN RSM SERIALIZATION TO GET REAL STORAGE
1	HEX	01	SMWKLOK2	OBTAIN RSM SERIALIZATION TO TO FREE REAL STORAGE
1	HEX	02	SMWKFLOK	FREE RSM SERIALIZATION
1	HEX	03	SMWKGRSB	OBTAIN THE REAL STORAGE BUFFER
1	HEX	04	SMWKFRUN	FREE UNUSED REAL FRAMES PERFORM RECLAIM
1	HEX	05	SMWKFUSE	FREE USED REAL FRAMES NO RECLAIM
1	HEX	06	SMWKFALL	FREE ALL REAL STORAGE

Table 212. Cross Reference for SMWKRSCB

Name	Offset	Hex Tag
SMWKFCDE	1	
SMWKFLAG	0	
SMWKFRHD	2	
SMWKFRMA	1C	
SMWKFRMA64	18	
SMWKLSTA	8	
SMWKLSTL	4	
SMWKRSCB	0	
SMWKRSFM	18	
SMWKRSV	18	
SMWKSBAD	14	
SMWKSBRV	10	
SMWKSB64	10	
SMWKSDWR	0	80
SMWKTSDS	C	

Chapter 52. SNAPX Information

SNAPX Programming Interface Information

SNAPX is a programming interface.

SNAPX Heading Information

Common Name: SNAPX PARAMETER LIST
Macro ID: IHASNAPX
DSECT Name: SNPPARMS
Owning Component: ABDUMP - (SCDMP)
Eye-Catcher ID: None
Storage Attributes: Subpool: Caller Specified
Key: Caller's key
Data Space: None
Residency: any,any
Size: 50 BYTES
Created by: Caller
Pointed to by: Caller
Serialization: None
Function: MAPS THE SNAPX PARAMETER LIST

SNAPX mapping

Table 213. Structure SNPPARMS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SNPPARMS	
0	(0)	SIGNED	4	(0)	
0	(0)	X'80'	0	BIT0	"128"
0	(0)	X'40'	0	BIT1	"64"
0	(0)	X'20'	0	BIT2	"32"
0	(0)	X'10'	0	BIT3	"16"
0	(0)	X'8'	0	BIT4	"8"
0	(0)	X'4'	0	BIT5	"4"
0	(0)	X'2'	0	BIT6	"2"
0	(0)	X'1'	0	BIT7	"1"
0	(0)	BITSTRING	1	SNPIDENT	DUMP ID SUPPLIED BY USER
1	(1)	BITSTRING	1	SNPFLAG	FLAG BYTE 0
		1...		SNPSNAP	"BIT0" 0=SNAP REQUEST 1=SVC DUMP REQUEST
		.1..		SNPVS2	"BIT1" 0=OS/VS2 REL.1 PARAMETER LIST 1=OS/VS2 REL.2 PARAMETER LIST
		..1.		SNPVS2EN	"BIT2" 1=OS/VS2 ENHANCED SNAP
		...1		SNPABEND	"BIT3" 0=ABEND IS CALLER 1=SNAP REQUEST
		.... 1...		SNPID	"BIT4" 1=ID SPECIFIED
		.... .1..		SNPTCB	"BIT5" 1=TCB SPECIFIED
		.... ..1.		SNPSLIST	"BIT6" 1=STORAGE LIST SPECIFIED

Table 213. Structure SNPPARMS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SNPHDR	"BIT7" 1=HEADER LIST SPECIFIED
2	(2)	BITSTRING	1	SNPFLAG1	FLAG BYTE 1
		1...		SNPVS3	"BIT0" 1=OS/VS2 JBB1226
		EQU BIT1 RESERVED			
		EQU BIT2 RESERVED			
		EQU BIT3 RESERVED			
		.... 1...		SNPDLIST	"BIT4" 1=DATA SPACES LIST SPECIFIED
		.... .1..		SNPLVL2	"BIT5" 1=HBB2102 SNAP PARMLIST
		.... ..1.		SNPSUBP	"BIT6" 1=SUBPOOL LIST SUPPLIED
		1		SNPLVL3	"BIT7" 1=HBB3310 PARMLIST
3	(3)	BITSTRING	1	SNPVRSN	VERSION NUMBER, 1=HBB3310
4	(4)	BITSTRING	1	SNPSDATA	SDATA OPTIONS
		1...		SNPNUC	"BIT0" 1=DUMP NUCLEUS,PSA,SQA,LSQA
		.1..		SNPSQA	"BIT1" 1=DUMP SQA
		..1.		SNPLSQA	"BIT2" 1=DUMP LSQA
		...1		SNPSWA	"BIT3" 1=DUMP SWA
		.... 1...		SNPTRT	"BIT4" 1=INCLUDE TRACE TABLE (SUPERVISOR OR GTF)
		.... .1..		SNPCB	"BIT5" 1=FORMAT CNTRL BLKS FOR TASK
		.... ..1.		SNPQCB	"BIT6" 1=FORMAT ENQUEUE CNTRL BLKS FOR TASK
		1		SNPDM	"BIT7" 1=FORMAT DATA MGT. CONTROL BLKS.
5	(5)	BITSTRING	1	SNPSDAT1	SDATA OPTIONS
		1...		SNPIO	"BIT0" 1-FORMAT CONTROL BLKS.
		.1..		SNPERR	"BIT1" 1=FORMAT ERROR CONTROL BLKS
		..1.		SNPPCDAT	"BIT2" 1=PCDATA WAS REQUESTED
		...1		SNPSUM	"BIT3" 1=DISPLAY SUMMARY DUMP
		.... 1...		SNPALLVN	"BIT4" 1=DISPLAY VIRTUAL NUCLEUS
		EQU BIT5 RESERVED			
		EQU BIT6 RESERVED			
		EQU BIT7 RESERVED			
6	(6)	BITSTRING	1	SNPPDATA	PDATA OPTIONS
		1...		SNPSAVE	"BIT0" 1=DISPLAY SAVE AREA TRACE
		.1..		SNPSAVE2	"BIT1" 0=DISPLAY ENTIRE SAVE AREA 1=DISPLAY SAVE AREA HEADS
		..1.		SNPREGS	"BIT2" 1=DISPLAY REGS- ENTRY TO SNAP/ABEND
		...1		SNPLPA	"BIT3" 1=DISPLAY ACTIVE LPA MODULES
		.... 1...		SNPJPA	"BIT4" 1=DISPLAY JPA MODULES
		.... .1..		SNPPSW	"BIT5" 1=DISPLAY PSW, ILC, INTERRUPT CODE
		.... ..1.		SNPSPLS	"BIT6" 1=DISPLAY USER SUBPOOLS: 0-127
		1		SNPSTSK	"BIT7" 1=DISPLAY SUBTASK DATA
7	(7)	BITSTRING	1		RESERVED
8	(8)	ADDRESS	4	SNPDCB	ADDRESS OF DCB FOR DUMP DATA SET

Table 213. Structure SNPPARMS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	ADDRESS	4	SNPTCBA	ADDRESS OF TCB TO BE DISPLAYED
16	(10)	ADDRESS	4	SNPSTOR	ADDRESS OF STORAGE LIST LIST CONTAINS BEGIN AND END ADDR OF AREAS TO BE DUMPED
20	(14)	ADDRESS	4	SNPHDRA	ADDR OF HEADER LIST
24	(18)	ADDRESS	4	SNPSUBL	ADDR OF SUBPOOL LIST
28	(1C)	SIGNED	4	SNPDCBAL	ALET OF DCB
32	(20)	SIGNED	4	SNPSTRAL	ALET OF STORAGE/LIST
36	(24)	SIGNED	4	SNPHDRAL	ALET OF HEADER LIST
40	(28)	SIGNED	4	SNPSPLAL	ALET OF SUBPOOL LIST
44	(2C)	ADDRESS	4	SNPDSPL	ADDR OF STOKEN LIST
48	(30)	SIGNED	4	SNPDSPAL	ALET OF STOKEN LIST

Table 214. Cross Reference for SNAPX

Name	Offset	Hex Tag
BIT0	0	80
BIT1	0	40
BIT2	0	20
BIT3	0	10
BIT4	0	8
BIT5	0	4
BIT6	0	2
BIT7	0	1
SNPABEND	1	10
SNPALLVN	5	8
SNPCB	4	4
SNPDCB	8	
SNPDCBAL	1C	
SNPDLIST	2	8
SNPDM	4	1
SNPDSPAL	30	
SNPDSPL	2C	
SNPERR	5	40
SNPFLAG	1	
SNPFLAG1	2	
SNPHDR	1	1
SNPHDRA	14	
SNPHDRAL	24	
SNPID	1	8
SNPIDENT	0	
SNPIO	5	80
SNPJPA	6	8
SNPLPA	6	10
SNPLSQA	4	20
SNPLVL2	2	4
SNPLVL3	2	1
SNPNUC	4	80
SNPPARMS	0	

Table 214. Cross Reference for SNAPX (continued)

Name	Offset	Hex Tag
SNPPCDAT	5	20
SNPPDATA	6	
SNPPSW	6	4
SNPQCB	4	2
SNPREGS	6	20
SNPSAVE	6	80
SNPSAVE2	6	40
SNPSDATA	4	
SNPSDAT1	5	
SNPSLIST	1	2
SNPSNAP	1	80
SNPSPLAL	28	
SNPSPLS	6	2
SNPSQA	4	40
SNPSTOR	10	
SNPSTRAL	20	
SNPSTSK	6	1
SNPSUBL	18	
SNPSUBP	2	2
SNPSUM	5	10
SNPSWA	4	10
SNPTCB	1	4
SNPTCBA	C	
SNPTRT	4	8
SNPVRSN	3	
SNPVS2	1	40
SNPVS2EN	1	20
SNPVS3	2	80

Chapter 53. SPD Information

SPD Heading Information

Common Name:	VSM Cell Pool Secondary Extent Descriptor
Macro ID:	IGVSPD
DSECT Name:	SPD
Owning Component:	Virtual Storage Manager (SC1CH)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 245, 255 Key: 0 Residency: Above 16M
Size:	64 bytes
Created by:	IGVCPBLD and IGVCPEXT
Pointed to by:	PPDSPD, SPDNEXT
Serialization:	LOCAL/CML lock for local cell pools VSMPAG for pageable global cell pools VSMFIX for fixed global cell pools
Function:	Anchor for the secondary cell pool extents.

SPD mapping

Table 215. Structure SPD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	64	SPD	SECONDARY POOL DESCRIPTOR
0	(0)	CHARACTER	4	SPDID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	4	SPDNEXT	POINTER TO NEXT SPD
8	(8)	ADDRESS	4	SPDSXT(14)	ARRAY OF EXTENT POINTERS

SPD mapping

Chapter 54. SPQA Information

SPQA Heading Information

Common Name:	VSM Subpool Queue Anchors
Macro ID:	IHASPQA
DSECT Name:	SPQA, SPQX
Owning Component:	Virtual Storage Manager (SC1CH)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 255 Key: 0 Residency: Above 16M line
Size:	SPQA -- 24 bytes SPQX -- 24 bytes
Created by:	IGVGPVT, IGVGAPVT, IGVSTSKI
Pointed to by:	SPQESPQA, SPQESPQX
Serialization:	LOCAL lock
Function:	Contains the anchors for the DQE queues.

SPQA mapping

Table 216. Structure SPQA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	SPQA	SUBPOOL QUEUE ANCHORS
0	(0)	CHARACTER	8	SPQABDQE	BACKED BELOW DQE QUEUE ANCHORS
0	(0)	ADDRESS	4	SPQAFBDQ	ADDRESS OF FIRST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
4	(4)	ADDRESS	4	SPQALBDQ	ADDRESS OF LAST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
8	(8)	CHARACTER	8	SPQAADQE	BACKED ANYWHERE DQE QUEUE ANCHORS
8	(8)	ADDRESS	4	SPQAFADQ	ADDRESS OF FIRST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
12	(C)	ADDRESS	4	SPQALADQ	ADDRESS OF LAST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
16	(10)	CHARACTER	8	SPQA6DQE	VIRTUAL BELOW, REAL ANY64
16	(10)	ADDRESS	4	SPQAF6DQ	ADDRESS OF FIRST BANY64 DQE FOR THIS SUBPOOL/KEY
20	(14)	ADDRESS	4	SPQAL6DQ	ADDRESS OF LAST BANY64 DQE FOR THIS SUBPOOL/KEY

Table 217. Structure SPQX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	SPQX	SPQA extension. It has the "above" queues

Table 217. Structure SPQX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	CHARACTER	8	SPQXEDQE	EXTENDED DQE QUEUE ANCHORS
0	(0)	CHARACTER	8	SPQAEDQE	EXTENDED DQE QUEUE ANCHORS
0	(0)	ADDRESS	4	SPQXFEDQ	ADDRESS OF FIRST EXTENDED DQE FOR THIS SUBPOOL/KEY
0	(0)	ADDRESS	4	SPQAFEDQ	
4	(4)	ADDRESS	4	SPQXLEDQ	ADDRESS OF LAST EXTENDED DQE FOR THIS SUBPOOL/KEY
4	(4)	ADDRESS	4	SPQALEDQ	
8	(8)	CHARACTER	8	SPQX7DQE	ANY31,ANY64
8	(8)	CHARACTER	8	SPQA7DQE	ANY31,ANY64
8	(8)	ADDRESS	4	SPQXF7DQ	ADDRESS OF FIRST ANY31ANY64 DQE FOR THIS SUBPOOL/KEY
8	(8)	ADDRESS	4	SPQAF7DQ	
12	(C)	ADDRESS	4	SPQXL7DQ	ADDRESS OF LAST ANY31ANY64 DQE FOR THIS SUBPOOL/KEY
12	(C)	ADDRESS	4	SPQAL7DQ	
16	(10)	CHARACTER	8	SPQXLDQE	LARGE PAGE DQE ANCHORS
16	(10)	CHARACTER	8	SPQALDQE	
16	(10)	ADDRESS	4	SPQXFLDQ	ADDRESS OF FIRST LARGE PAGE DQE FOR THIS SUBPOOL/KEY
16	(10)	ADDRESS	4	SPQAFLDQ	
20	(14)	ADDRESS	4	SPQXLLDQ	ADDRESS OF LAST LARGE PAGE DQE FOR THIS SUBPOOL/KEY
20	(14)	ADDRESS	4	SPQALLDQ	

Table 218. Cross Reference for SPQA

Name	Offset	Hex Tag
SPQA	0	
SPQAADQE	8	
SPQABDQE	0	
SPQAEDQE	0	
SPQAFADQ	8	
SPQAFBDQ	0	
SPQAFEDQ	0	
SPQAFLDQ	10	
SPQAF6DQ	10	
SPQAF7DQ	8	
SPQALADQ	C	
SPQALBDQ	4	
SPQALDQE	10	
SPQALEDQ	4	
SPQALLDQ	14	
SPQAL6DQ	14	
SPQAL7DQ	C	
SPQA6DQE	10	
SPQA7DQE	8	
SPQX	0	
SPQXEDQE	0	
SPQXFEDQ	0	
SPQXFLDQ	10	

Table 218. Cross Reference for SPQA (continued)

Name	Offset	Hex Tag
SPQXF7DQ	8	
SPQXLDQE	10	
SPQXLEDQ	4	
SPQXLLDQ	14	
SPQXL7DQ	C	
SPQX7DQE	8	

Chapter 55. SPQE Information

SPQE Heading Information

Common Name:	VSM Subpool Queue Element
Macro ID:	IHASPQE
DSECT Name:	SPQE
Owning Component:	Virtual Storage Manager (SC1CH)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 255 Key: 0 Residency: Above 16M line
Size:	24 bytes
Created by:	IGVGPVT, IGVSTSKI, IGVGAPVT
Pointed to by:	SPQENEXT, TCBMSS, TCBUKYSP, TCBSWA
Serialization:	LOCAL lock
Function:	Describes the space allocated to a subpool and the attributes of that space.

SPQE mapping

Table 219. Structure SPQE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPQE	SUBPOOL QUEUE ELEMENT
0	(0)	ADDRESS	4	SPQENEXT	ADDRESS OF NEXT SPQE
4	(4)	ADDRESS	4	SPQESPQX	ADDRESS OF EXTENDED PART OF SPQA
8	(8)	ADDRESS	4	SPQESPQA	ADDRESS OF SPQA
12	(C)	ADDRESS	4	SPQETCB	ADDRESS OF OWNING TCB
16	(10)	CHARACTER	3	SPQESPKY	SUBPOOL AND KEY COMBINATION
16	(10)	SIGNED	2	SPQESPID	SUBPOOL ID
16	(10)	UNSIGNED	1	*	RESERVED
17	(11)	UNSIGNED	1	SPQEID	LOW ORDER BYTE OF SUBPOOL ID
18	(12)	BITSTRING	1	SPQEKEY	STORAGE KEY OF SPACE WITHIN THIS SUBPOOL (BITS 0 - 3)
19	(13)	BITSTRING	1	SPQEFLGS	SPQE FLAG FIELD
		1...		SPQESHR	IF ONE SUBPOOL IS SHARED
		.1..		*	
		..1.		SPQEOWN	IF ONE SUBPOOL IS OWNED

Table 220. Cross Reference for SPQE

Name	Offset	Hex Tag
SPQE	0	
SPQEFLGS	13	
SPQEID	11	
SPQEKEY	12	
SPQENEXT	0	
SPQEOWN	13	20
SPQESHR	13	80

Table 220. Cross Reference for SPQE (continued)

Name	Offset	Hex Tag
SPQESPID	10	
SPQESPKY	10	
SPQESPQA	8	
SPQESPQX	4	
SPQETCB	C	

Chapter 56. SPT Information

SPT Heading Information

Common Name: VSM Subpool Table
Macro ID: IHASPT
DSECT Name: SPT
Owning Component: Virtual Storage Manager (SC1CH)
Eye-Catcher ID: SPT
Offset: 0
Length: 4
Storage Attributes: Subpool: 245
Key: 0
Residency: Above 16M line
Size: 1540 bytes
Created by: IEAVNP08
Pointed to by: GDASPT
Serialization: VSMFIX lock for fixed CSA subpools
VSMPAG lock for pageable CSA subpools
Function: Contains the anchors for the CSA DQE queues.

SPT mapping

Table 221. Structure SPT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	2564	SPT	SUBPOOL TABLE
0	(0)	CHARACTER	4	SPTID	CONTROL BLOCK IDENTIFIER
4	(4)	CHARACTER	40	SPTNTRY(4,0:15)	SUBPOOL TABLE

Table 222. Structure SPTENT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	40	SPTENT	SUBPOOL TABLE ENTRY
0	(0)	CHARACTER	8	SPTBDQE	BACKED BELOW DQE QUEUE ANCHORS
0	(0)	ADDRESS	4	SPTFBDQE	ADDRESS OF FIRST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
4	(4)	ADDRESS	4	SPTLBDQE	ADDRESS OF LAST DQE FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED BELOW 16M
8	(8)	CHARACTER	8	SPTADQE	BACKED ANYWHERE DQE QUEUE ANCHORS
8	(8)	ADDRESS	4	SPTFADQE	ADDRESS OF FIRST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
12	(C)	ADDRESS	4	SPTLADQE	ADDRESS OF LAST DQE, FOR THIS SUBPOOL/KEY, WHICH IS TO BE BACKED ANYWHERE
16	(10)	CHARACTER	8	SPT6DQE	BELOW,ANY64 DQE queue anchors

Table 222. Structure SPTENT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
16	(10)	ADDRESS	4	SPTF6DQE	Address of first BANY64 DQE for this subpool/key
20	(14)	ADDRESS	4	SPTL6DQE	Address of last BANY64 DQE for this subpool/key
24	(18)	CHARACTER	8	SPTEDQE	EXTENDED DQE QUEUE ANCHORS
24	(18)	ADDRESS	4	SPTFEDQE	ADDRESS OF FIRST EXTENDED DQE FOR THIS SUBPOOL/KEY
28	(1C)	ADDRESS	4	SPTLEDQE	ADDRESS OF LAST EXTENDED DQE FOR THIS SUBPOOL/KEY
32	(20)	CHARACTER	8	SPT7DQE	ANY31,ANY64 DQE queue anchors
32	(20)	ADDRESS	4	SPTF7DQE	Address of first ANY31ANY64 DQE for this subpool/key
36	(24)	ADDRESS	4	SPTL7DQE	Address of last ANY31ANY64 DQE for this subpool/key

Table 223. Constants for SPT

Len	Type	Value	Name	Description
4	DECIMAL	1	SPT227	SPT INDEX FOR SUBPOOL 227
4	DECIMAL	2	SPT228	SPT INDEX FOR SUBPOOL 228
4	DECIMAL	3	SPT231	SPT INDEX FOR SUBPOOL 231
4	DECIMAL	4	SPT241	SPT INDEX FOR SUBPOOL 241

Table 224. Cross Reference for SPT

Name	Offset	Hex Tag
SPT	0	
SPTADQE	8	
SPTBDQE	0	
SPTEDQE	18	
SPTENT	0	
SPTFADQE	8	
SPTFBDQE	0	
SPTFEDQE	18	
SPTF6DQE	10	
SPTF7DQE	20	
SPTID	0	
SPTLADQE	C	
SPTLBDQE	4	
SPTLEDQE	1C	
SPTL6DQE	14	
SPTL7DQE	24	
SPTNTRY	4	
SPT6DQE	10	
SPT7DQE	20	

Chapter 57. SPTRC Information

SPTRC Heading Information

Common Name:	Supervisor Control Services System Trace Entry Templates
Macro ID:	IHASPTRC
DSECT Name:	SPETCL1 SPETCL2 SPESC2 SPESC4 SPESCA SPDSGNL SPDISGNL SPRPSGNL SPSCHF SPPRT SPTIDE
Owning Component:	Supervisor Control (SC1C5)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 239 Key: 0 Residency: Above 16 megabytes in virtual storage
Size:	20 BYTES PER TEMPLATE
Created by:	IEAVERI IEAVESC0 IEAVETCL IEAVSCHA IEAVSCHD IEAVSRBP IEAVSRBR IEAVSRBS IEAVSCHF IEAVEPS1 IEAVEPSS IEAVERLS IEAVRTI0
Pointed to by:	WSACSTPL field of the CPU-related WSAVT WSACTIME field of the CPU-related WSAVT
Serialization:	Disablement serializes system trace parameter list.
Function:	Provides a template for building and documenting Supervisor Control services System Trace Table entries. Note: This mapping macro contains multiple mappings of the supervisor control system trace data. The first word in each entry appears under the heading 'Address-' in the formatted trace tables. The remaining words appear under: Unique-1, Unique-2, Unique-3, and Unique-4.

SPTRC mapping

Table 225. Structure SPETCL1

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPETCL1	IEAVSPN1 ENTRY POINT OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X010E)
0	(0)	ADDRESS	4	SPET1RET	CALLERS RETURN ADDRESS
4	(4)	ADDRESS	4	SPET1TAA	TARGET ADDRESS SPACE ASCB ADDRESS
8	(8)	ADDRESS	4	SPET1TAR	ADDRESS OF TCB TO BE SUSPENDED
12	(C)	ADDRESS	4	SPET1RAR	ADDRESS OF RB TO BE SUSPENDED
16	(10)	BITSTRING	1	SPET1FLG	IEAVETCL OPTION FLAG BYTE
		1111 1...		*	RESERVED

Table 225. Structure SPETCL1 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		SPET1FRB	RB OPERAND INDICATION FLAG (0 - RB=CURRENT AND 1 - RB= PREVIOUS)
17	(11)	CHARACTER	3	SPET1RSV	RESERVED
20	(14)	CHARACTER	0	SPETCL1E	END OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE

Table 226. Structure SPETCL2

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPETCL2	IEAVRSH1, IEAVRSS1, IEAVRSU1, IEAVRSC1, IEAVRSA1, IEAVRSRB, IEAVRSMS ENTRY POINTS OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X010F)
0	(0)	ADDRESS	4	SPET2RET	CALLERS RETURN ADDRESS OR 0 WHICH INDICATES THAT THE RETURN=N OPTION WAS SPECIFIED ON THE RESUME MACRO
4	(4)	ADDRESS	4	SPET2TAA	TARGET ADDRESS SPACE ASCB ADDRESS
8	(8)	ADDRESS	4	SPET2TAR	ADDRESS OF TCB TO BE RESUMED
		1...		SPET2FMD	MODE OPERAND INDICATION FLAG (1 - MODE=COND AND 0 - MODE= UNCOND)
12	(C)	ADDRESS	4	SPET2RAR	ADDRESS OF RB TO BE RESUMED
		1...		SPET2FRS	RSM RESET REQUEST INDICATION (1 - RSM RESET REQUESTED AND 0 - RSM RESET NOT REQUESTED)
16	(10)	BITSTRING	1	SPET2FLG	IEAVETCL OPTION FLAG BYTE
		1...		SPET2FAS	ASYNC OPERAND INDICATION FLAG (1 - ASYNC=YES AND 0 - ASYNC= NO)
17	(11)	CHARACTER	3	SPET2RSV	RESERVED
20	(14)	CHARACTER	0	SPETCL2E	END OF IEAVETCL SYSTEM TRACE ENTRY TEMPLATE

Table 227. Structure SPESC2

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPESC2	IEAVESC2 AND IEAVESC8 ENTRY POINTS OF IEAVESC0, AND IEAVSCHA, and IEAVSCHD SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0110, X0112, X011B, X011D)
0	(0)	ADDRESS	4	SPES2RET	CALLERS RETURN ADDRESS
4	(4)	SIGNED	4	SPES2SRB	ADDRESS OF SRB TO BE SCHEDULED
8	(8)	ADDRESS	4	SPES2TAA	TARGET ADDRESS SPACE ASCB ADDRESS
12	(C)	ADDRESS	4	SPES2EPA	ENTRY POINT ADDRESS OF ROUTINE TO EXECUTE IN THE TARGET ADDRESS SPACE
16	(10)	BITSTRING	1	SPES2PK	PROTECT KEY INDICATOR

Table 227. Structure SPESC2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
17	(11)	BITSTRING	1	SPES2OPF	SRB OPTION FLAGS (SEE SRBFLGS)
17	(11)	BITSTRING	1	SPES2FL1	IEAMSCHD FLAGS1
18	(12)	BITSTRING	1	SPES2TPF	SRB TYPE FLAGS (SEE SRBFLGS1)
18	(12)	BITSTRING	1	SPES2FL2	IEAMSCHD FLAGS2
19	(13)	BITSTRING	1	SPES2HLH	SUSPEND LOCKS HELD AT SRB SUSPENSION INDICATOR
19	(13)	BITSTRING	1	SPES2FL3	IEAMSCHD FLAGS3
20	(14)	CHARACTER	0	SPESC2E	END OF IEAVESC0, IEAVSCHA SYSTEM TRACE ENTRY TEMPLATE

Table 228. Structure SPESC4

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPESC4	IEAVESC4 ENTRY POINT OF IEAVESC0 SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0111)
0	(0)	ADDRESS	4	SPES4RET	IEAVESC4 CALLERS RETURN ADDRESS
4	(4)	CHARACTER	16	SPES4RSV	RESERVED
20	(14)	CHARACTER	0	SPESC4E	END OF IEAVESC4 SYSTEM TRACE ENTRY TEMPLATE

Table 229. Structure SPESCA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPESCA	IEAVESCA AND IEAVESCC ENTRY POINTS OF IEAVESC0 SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0116 AND X0117)
0	(0)	ADDRESS	4	SPESARET	CALLERS RETURN ADDRESS
4	(4)	ADDRESS	4	SPESASRB	ADDRESS OF SRB TO BE SCHEDULED
8	(8)	ADDRESS	4	SPESATAA	TARGET ADDRESS SPACE ASCB ADDRESS
12	(C)	BITSTRING	8	SPESASTK	STOKEN REPRESENTING THE TARGET ADDRESS SPACE.
20	(14)	CHARACTER	0	SPESCAE	END OF IEAVESC0 SYSTEM TRACE ENTRY TEMPLATE

Table 230. Structure SPDSGNL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPDSGNL	DSGNL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0113)
0	(0)	ADDRESS	4	SPDSGRET	DSGNL CALLERS RETURN ADDRESS
4	(4)	UNSIGNED	2	SPDSGPCR	PHYSICAL CPU ID OF PROCESSOR REQUESTING THE DSGNL
6	(6)	UNSIGNED	2	SPDSGPCT	PHYSICAL CPU ID OF PROCESSOR THAT IS THE TARGET OF THE DSGNL
8	(8)	UNSIGNED	4	SPDSGST	STATUS REGISTERS CONTENTS (IF SPDSGRC=8) OR ZERO
12	(C)	UNSIGNED	1	SPDSGSOC	SIGP ORDER CODE

Table 230. Structure SPDSGNL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
13	(D)	UNSIGNED	1	SPDSGRC	IEAVESGP RETURN CODE
14	(E)	CHARACTER	6	SPDSGRSV	RESERVED
20	(14)	CHARACTER	0	SPDSGNLE	END OF DSGNL SYSTEM TRACE ENTRY TEMPLATE

Table 231. Structure SPRISGNL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPRISGNL	RISGNL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0114)
0	(0)	ADDRESS	4	SPRISRET	RISGNL CALLERS RETURN ADDRESS
4	(4)	UNSIGNED	2	SPRISPCR	PHYSICAL CPU ID OF PROCESSOR REQUESTING THE RISGNL
6	(6)	UNSIGNED	2	SPRISPCT	PHYSICAL CPU ID OF PROCESSOR THAT IS THE TARGET OF THE RISGNL
8	(8)	UNSIGNED	1	SPRISSOC	SIGP ORDER CODE
9	(9)	UNSIGNED	1	SPRISRC	IEAVESGP RETURN CODE
10	(A)	CHARACTER	2	SPRISRSV	RESERVED
12	(C)	CHARACTER	4	SPRISRSN	SIGP Reason code for return code 8
16	(10)	CHARACTER	4	SPRISRS2	Reserved
20	(14)	CHARACTER	0	SPRISGLE	END OF RISGNL SYSTEM TRACE ENTRY TEMPLATE

Table 232. Structure SPRPSGNL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPRPSGNL	RPSGNL SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0115)
0	(0)	ADDRESS	4	SPRPSRET	RPSGNL CALLERS RETURN ADDRESS
4	(4)	UNSIGNED	2	SPRPSPCR	PHYSICAL CPU ID OF PROCESSOR REQUESTING THE RPSGNL
6	(6)	UNSIGNED	2	SPRPSPCT	PHYSICAL CPU ID OF PROCESSOR THAT IS THE TARGET OF THE RPSGNL
8	(8)	UNSIGNED	1	SPRPSSOC	SIGP ORDER CODE
9	(9)	UNSIGNED	1	SPRPSRC	IEAVESGP RETURN CODE
10	(A)	CHARACTER	10	SPRPSRSV	RESERVED
20	(14)	CHARACTER	0	SPRPSGLE	END OF RPSGNL SYSTEM TRACE ENTRY TEMPLATE

Table 233. Structure SPSRPSRB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPSRPSRB	SRB Suspend/Resume/Purge System Trace Entry template The suspend entry is also logged by IEAVSCHA. (SSRVID=X0118/X0119/X011A).
0	(0)	ADDRESS	4	SPSRRESA	Address at which the SRB will be resumed.

Table 233. Structure SPSRPSRB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	ADDRESS	4	SPSRSSRB	Address of the SRB assciated with the suspended SRB routine.
8	(8)	CHARACTER	8	SPSRTKN	Suspend Token which uniquely identifies the suspended routine.
16	(10)	CHARACTER	4	SPSRRSV	Reserved.
20	(14)	CHARACTER	0	SPSRPE	End of SRB Suspend/Resume/Purge System Trace entry template.

Table 234. Structure SPSCHF

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPSCHF	IEAVSCHF exit to user routine. This is an SRB Dispatch out of the Sched w/Addr front-end (SRVID=X'011C')
0	(0)	CHARACTER	8	SPPSW	SRB Dispatch PSW
8	(8)	CHARACTER	4	SPSRBAD	User's Register 0
12	(C)	CHARACTER	4	SPSRBPRM	User's SRB parameter
16	(10)	CHARACTER	4	SPSRBFRR	User's FRR parm or value in R2 at time of SRB Dispatch.
20	(14)	CHARACTER	0	SPESCHF	End of IEAVSCHF System Trace entry template.

Table 235. Structure SPPRT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPPRT	Pause/Release/Transfer System Trace Entry template. The Pause entry is logged by IEAVEPS1 or IEAVEPSS as SSRVID x011E, and the Release entry is logged by IEAVERLS as SSRVID x011F.
0	(0)	ADDRESS	4	SPPRTCRA	Return address of the caller of the Pause/Release/ Transfer service
4	(4)	ADDRESS	4	SPPRTSSD	Address of the SSD associated with the Paused DU routine. For Pause, the low order bit is on when this SSD is the group leader of a Pause multiple SSD group.
8	(8)	SIGNED	4	SPPRTRC	Return code from Pause or Release. For Pause multiple, this is the highest return code for the request. For Release, if we are actually dispatching the workunit then this field will contain x80000000
12	(C)	ADDRESS	4	SPPRTDUA	For Release/transfer Release: Address of the DU being released. WEB address for SRBs TCB address for Tasks

Table 235. Structure SPPRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
16	(10)	UNSIGNED	2	SPPRTASN	For Release/transfer Release: ASN of the DU being released
18	(12)	CHARACTER	2	SPPRTRSV	Reserved
20	(14)	CHARACTER	0	SPPRTE	End of Pause/Release/Transfer System Trace entry template.

Table 236. Structure SPTIDE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SPTIDE	Timer DIE trace entry template, logged by IEAVRTI0. SSRVID=X0120
0	(0)	ADDRESS	4	SPTIDE_TQEEXIT	TQEEXIT
4	(4)	CHARACTER	8	SPTIDE_CPUTIME	CPU Time within exit
12	(C)	CHARACTER	8	SPTIDE_DIEENTRYSTCKF	DIE entry STCKF
20	(14)	CHARACTER	0	SPTIDE_E	End of Timer DIE System Trace entry template.

Table 237. Cross Reference for SPTRC

Name	Offset	Hex Tag
SPDSGNL	0	
SPDSGNLE	14	
SPDSGPCR	4	
SPDSGPCT	6	
SPDSGRC	D	
SPDSGRET	0	
SPDSGRSV	E	
SPDSGSOC	C	
SPDSGST	8	
SPESARET	0	
SPESASRB	4	
SPESASTK	C	
SPESATAA	8	
SPESCA	0	
SPESCAE	14	
SPESCHF	14	
SPESC2	0	
SPESC2E	14	
SPESC4	0	
SPESC4E	14	
SPES2EPA	C	
SPES2FL1	11	
SPES2FL2	12	
SPES2FL3	13	
SPES2HLH	13	
SPES2OPF	11	
SPES2PK	10	
SPES2RET	0	
SPES2SRB	4	

Table 237. Cross Reference for SPTRC (continued)

Name	Offset	Hex Tag
SPES2TAA	8	
SPES2TPF	12	
SPES4RET	0	
SPES4RSV	4	
SPETCL1	0	
SPETCL1E	14	
SPETCL2	0	
SPETCL2E	14	
SPET1FLG	10	
SPET1FRB	10	04
SPET1RAR	C	
SPET1RET	0	
SPET1RSV	11	
SPET1TAA	4	
SPET1TAR	8	
SPET2FAS	10	80
SPET2FLG	10	
SPET2FMD	8	80
SPET2FRS	C	80
SPET2RAR	C	
SPET2RET	0	
SPET2RSV	11	
SPET2TAA	4	
SPET2TAR	8	
SPPRT	0	
SPPRTASN	10	
SPPRTCRA	0	
SPPRTDUA	C	
SPPRTE	14	
SPPRTRC	8	
SPPRTRSV	12	
SPPRTSSD	4	
SPPSW	0	
SPRISGLE	14	
SPRISGNL	0	
SPRISPCR	4	
SPRISPCT	6	
SPRISRC	9	
SPRISRET	0	
SPRISRSN	C	
SPRISRSV	A	
SPRISRS2	10	
SPRISSOC	8	
SPRPSGLE	14	
SPRPSGNL	0	
SPRPSPCR	4	
SPRPSPCT	6	
SPRPSRC	9	
SPRPSRET	0	

Table 237. Cross Reference for SPTRC (continued)

Name	Offset	Hex Tag
SPRPSRSV	A	
SPRPSSOC	8	
SPSCHF	0	
SPSRBAD	8	
SPSRBFRR	10	
SPSRBPRM	C	
SPSRPE	14	
SPSRPSRB	0	
SPSRRESA	0	
SPSRRSV	10	
SPSRSSRB	4	
SPSRTKN	8	
SPTIDE	0	
SPTIDE_CPUTIME	4	
SPTIDE_DIEENTRYSTCKF	C	
SPTIDE_E	14	
SPTIDE_TQEEXIT	0	

Chapter 58. SPTT Information

SPTT Heading Information

Common Name:	VSM Subpool Translation Table
Macro ID:	IGVSPTT
DSECT Name:	SPTT
Owning Component:	Virtual Storage Manager (SC1CH)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Nucleus Key: 0 Residency: Above 16M
Size:	260 bytes
Created by:	IPL
Pointed to by:	GDASPTT
Serialization:	None
Function:	Describes storage characteristics for each external subpool ID.

SPTT mapping

Table 238. Structure SPTTENT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	10	SPTTENT	SUBPOOL TRANSLATION TABLE ENTRY
0	(0)	UNSIGNED	1	SPTTTYPE	TYPE OF STORAGE
1	(1)	UNSIGNED	1	SPTTOWN	STORAGE OWNERSHIP
2	(2)	CHARACTER	1	SPTTCHAR	STORAGE CHARACTERISTICS
		1...		SPTTFIX	0 => PAGABLE 1 => FIXED IGNORED IF SPTTDREF='1'B
		.1..		SPTTPROT	0 => NON-FETCH PROTECTION 1 => FETCH PROTECTION
		..1.		SPTTVABV	1 => ALLOCATE ABOVE 16M
		...1		SPTTVBLW	1 => ALLOCATE BELOW 16M
		.... 1...		SPTTREAL	0 => BACKED BELOW 16M 1 => BACKED ANYWHERE < 2G
		.... 1...		SPTTR31	0 => BACKED BELOW 16M 1 => BACKED ANYWHERE < 2G (Also on when SPTTR64)
		.... .1..		SPTTFBQE	0 => ALLOCATE FROM LOW TO HIGH 1 => ALLOCATE FROM HIGH TO LOW
		.... ..1.		SPTTKSPC	0 => SUBPOOL HAS NO SPECIFIC KEY 1 => SUBPOOL HAS SPECIFIC KEY
		1		SPTTKTCB	0 => USE PSW KEY 1 => USE TCB KEY IGNORED IF SPTTKSPC = '1'B
3	(3)	CHARACTER	1	SPTTATTR	STORAGE ATTRIBUTES
		1...		SPTTDREF	0 => NOT DREF STORAGE 1 => DREF STORAGE
		.1..		SPTTR64	1 => BACKED Anywhere
		..1.		SPTT1MB	0 => Can't back with 1MB page frames 1 => Can be backed with 1MB page frames

Table 238. Structure SPTTENT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
4	(4)	CHARACTER	1	SPTTFLGS	MISC. FLAGS
		1...		SPTTDEF	0 => SUBPOOL ID IS UNDEFINED 1 => SUBPOOL ID IS DEFINED
		.1..		SPTTAUTH	0 => NO AUTHORIZATION REQUIRED 1 => AUTHORIZATION REQUIRED
		..1.		SPTTEXTK	0 => KEY CAN NOT BE EXTERNALLY SPECIFIED 1 => KEY CAN BE EXTERNALLY SPECIFIED
		...1		SPTTSPFM	0 => CAN NOT BE SUBPOOL FREED 1 => CAN BE SUBPOOL FREED
		.... 1...		SPTTGLSP	0 => NOT ALLOWED ON GLOBAL ENTRY 1 => ALLOWED ON GLOBAL ENTRY
		.... .1..		SPTTROPT	0 => REAL OPTION CANNOT BE EXTERNALLY SPECIFIED 1 => REAL OPTION CAN BE EXTERNALLY SPECIFIED
		.... ..1.		SPTTCONV	0 => PAGES ARE OBTAINED FROM FBQES 1 => PAGES CAN BE CONVERTED FROM ANOTHER SUBPOOL
		1		SPTTBACK	0 => ALL PAGES ARE TO BE BACKED AT GETMAIN TIME 1 => ONLY FIRST PAGE IS TO BE BACKED AT GETMAIN TIME
5	(5)	UNSIGNED	1	SPTTKEY	SPECIFIC KEY - IF ONE EXISTS
6	(6)	SIGNED	2	SPTTSPID	EXTERNAL SUBPOOL ID
6	(6)	CHARACTER	1	*	
7	(7)	UNSIGNED	1	SPTTSP	EXTERNAL SUBPOOL ID
8	(8)	SIGNED	2	SPTTRTNI	IGVVSMRT ROUTINE INDEX
10	(A)	CHARACTER	0	SPTTEND	END OF SPTT MAP

Table 239. Structure SPTT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SPTT	SUBPOOL TRANSLATION TABLE
0	(0)	CHARACTER	4	SPTTID	CONTROL BLOCK IDENTIFIER
4	(4)	UNSIGNED	1	SPTTINDX(0:255)	SUBPOOL TRANSLATION INDEX TBL
260	(104)	CHARACTER	10	SPTTNTRY(*)	SUBPOOL TRANSLATION TABLE ENTRIES

Table 240. Constants for SPTT

Len	Type	Value	Name	Description
1	DECIMAL	0	SPTTSQA	SQA STORAGE
1	DECIMAL	1	SPTTCSA	CSA STORAGE
1	DECIMAL	2	SPTTLSQA	LSQA STORAGE
1	DECIMAL	3	SPTTPVT	PRIVATE AREA STORAGE

Table 240. Constants for SPTT (continued)

Len	Type	Value	Name	Description
1	DECIMAL	7	SPTTPVTLP	PRIVATE AREA STORAGE POTENTIALLY BACKED BY LARGE PAGES
1	DECIMAL	0	SPTTNONE	UNRELATED STORAGE
1	DECIMAL	1	SPTTMEM	MEMORY RELATED STORAGE
1	DECIMAL	2	SPTTSTEP	JOB-STEP RELATED STORAGE
1	DECIMAL	3	SPTTTASK	TASK RELATED STORAGE

Table 241. Cross Reference for SPTT

Name	Offset	Hex Tag
SPTT	0	
SPTTATTR	3	
SPTTAUTH	4	40
SPTTBACK	4	01
SPTTCHAR	2	
SPTTCONV	4	02
SPTTDEF	4	80
SPTTDREF	3	80
SPTTEND	A	
SPTTENT	0	
SPTTEXTK	4	20
SPTTFBQE	2	04
SPTTFIX	2	80
SPTTFLGS	4	
SPTTGLSP	4	08
SPTTID	0	
SPTTINDX	4	
SPTTKEY	5	
SPTTKSPC	2	02
SPTTKTCB	2	01
SPTTNTRY	104	
SPTTOWN	1	
SPTTPROT	2	40
SPTTREAL	2	08
SPTTROPT	4	04
SPTTRTNI	8	
SPTTR31	2	08
SPTTR64	3	40
SPTTSP	7	
SPTTSPFM	4	10
SPTTSPID	6	
SPTTTYPE	0	
SPTTVABV	2	20
SPTTVBLW	2	10
SPTT1MB	3	20

Chapter 59. SQAT Information

SQAT Heading Information

Common Name:	SIZE QUEUE ANCHOR TABLE
Macro ID:	IHASQAT
DSECT Name:	SQAT
Owning Component:	VIRTUAL STORAGE MANAGER (SC1CH)
Eye-Catcher ID:	NONE
Storage Attributes:	Virtual Storage: YES Subpool: NUCLEUS FOR SQA, 255 FOR LSQA Key: 0
Size:	VARIABLE
Created by:	IEAIPL04, IGVGCAS
Pointed to by:	LDASQAT, LDAESQAT, GDASQAT6, GDASQAT9 GDAESQT9, GDASQAT5, GDAESQT5
Serialization:	VSMFIX LOCK (GLOBAL) LOCAL LOCK (ADDRESS SPACE)
Function:	ARRAY OF QUEUE HEADERS INTO THE SQA AND LSQA SIZE QUEUES FOR ALLOCATION OF VIRTUAL STORAGE. 3 PER SYSTEM PLUS 1 PER ADDRESS SPACE

SQAT mapping

Table 242. Structure SQAT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SQAT	SIZE QUEUE ANCHOR TABLE
0	(0)	CHARACTER	12	SQATBASE	BASE PORTION OF SQAT
0	(0)	CHARACTER	4	SQATID	CONTROL BLOCK IDENTIFIER
4	(4)	SIGNED	4	SQATCNT	NUMBER OF ENTRIES IN THE TABLE
8	(8)	SIGNED	4	SQATMAXS	MAXIMUM SIZE IN THE TABLE
12	(C)	CHARACTER	8	SQATNTRY(*)	BEGINNING OF SIZE AND QUEUE HEADER ENTRIES. THERE IS ONE ENTRY (SIZE & QUEUE HEADER) FOR EACH ENTRY INTO THE DFE SIZE QUEUE

Table 243. Structure SQATENT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	SQATENT	SIZE QUEUE ANCHOR TABLE ENTRY
0	(0)	SIGNED	4	SQATSZ	LOWER BOUND OF FREE SPACE SIZE
4	(4)	ADDRESS	4	SQATDFE	ADDRESS OF THE FIRST DFE ON THE SIZE QUEUE GREATER THAN OR EQUAL TO THE SIZE OF THE LOWER BOUND

SQAT mapping

Table 244. Structure SQATX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	44	SQATX	SQAT EXTENSION
0	(0)	ADDRESS	4	SQATXLOC(11)	DFE ADDRESS

Table 245. Constants for SQAT

Len	Type	Value	Name	Description
4	DECIMAL	8	SQATMULT	MULTIPLICATION FACTOR RELATING SQAT INDEX TO REQUEST SIZE
4	DECIMAL	11	SQATXCNT	NUMBER OF ARRAY ENTRIES

Table 246. Cross Reference for SQAT

Name	Offset	Hex Tag
SQAT	0	
SQATBASE	0	
SQATCNT	4	
SQATDFE	4	
SQATENT	0	
SQATID	0	
SQATMAXS	8	
SQATNTRY	C	
SQATSZ	0	
SQATX	0	
SQATXLOC	0	

Chapter 60. SRB Information

SRB Programming Interface Information

ONLY the following fields are part of the programming interface information:

- SRBASCB
- SRBCPAFF
- SRBEP
- SRBFRRA
- SRBID
- SRBPARM
- SRBPASID
- SRBPKF
- SRBPTCB
- SRBRMTR

SRB Heading Information

Common Name:	Service Request Block
Macro ID:	IHASRB
DSECT Name:	SRBSECT
Owning Component:	SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID:	SRB Offset: 0 Length: 4
Storage Attributes:	Subpool: Common, Fixed Storage Key: 0 Residency: ABOVE OR BELOW THE 16M LINE
Size:	44 BYTES
Created by:	Control program routines
Pointed to by:	Built and initialized in user-allocated storage and passed as a parameter to the SCHEDULE macro. Pointed to by register 0 on entry to the SRB routine whose address is in SRBEP. ASCBXMPQ FIELD OF THE ASCB DATA AREA ASXBFSRB FIELD OF THE ASXB DATA AREA ASXBLSRB FIELD OF THE ASXB DATA AREA IOSSRB FIELD OF THE IOSB DATA AREA PCBSRB FIELD OF THE PCB DATA AREA SRBFLNK FIELD OF THE SRB DATA AREA SVTGSMQ FIELD OF THE SVT DATA AREA SVTLSMQ FIELD OF THE SVT DATA AREA SVTSRBA FIELD OF THE SVT DATA AREA TQESRB FIELD OF THE TQE DATA AREA TVCSSRBA FIELD OF THE TVCS DATA AREA WEBUPTR field of the WEB data area
Serialization:	Owner-serialized.
Function:	Used as input to the SCHEDULE macro when scheduling a routine for asynchronous execution.

SRB mapping

Table 247. Structure SRBSECT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SRBSECT	
0	(0)	ADDRESS	4	SRB(0)	
0	(0)	CHARACTER	4	SRBID	EBCDIC ACRONYM FOR SRB OR SSRB.
4	(4)	ADDRESS	4	SRBFLNK	FORWARD CHAIN FIELD
8	(8)	ADDRESS	4	SRBASCB(0)	PTR TO ASCB OF ADDRESS SPACE SRB IS TO BE DISPATCHED TO
8	(8)	BITSTRING	1		RESERVED. DO NOT USE.
9	(9)	ADDRESS	3	SRBASC24	24-bit ASCB address
12	(C)	CHARACTER	8	SRBFLC(0)	SRB AREA MOVED TO LOW CORE
12	(C)	BITSTRING	2	SRBCPAFF	CPU AFFINITY MASK
14	(E)	SIGNED	2	SRBPASID	PURGEDQ ASID IDENTIFIER
16	(10)	ADDRESS	4	SRBPTCB	PURGEDQ TCB IDENTIFIER
20	(14)	ADDRESS	4	SRBEP(0)	ENTRY POINT OF ROUTINE
20	(14)	ADDRESS	4	SRBEPA	ADDRESS OF ENTRY POINT (31-BIT USERS)
		1...		SRBMODE	"X'80'" ADDRESSING MODE INDICATOR
24	(18)	ADDRESS	4	SRBRMTR(0)	ADDRESS OF RESOURCE MANAGER ROUTINE
24	(18)	ADDRESS	4	SRBRMTRA(0)	ADDRESS OF RESOURCE MANAGER ROUTINE (31-BIT USERS)
24	(18)	BITSTRING	1	SRBRMTR0	Byte 0 of SRBRMTR
		1...		SRBRMODE	"X'80'" ADDRESSING MODE INDICATOR
25	(19)	BITSTRING	1	(2)	
27	(1B)	BITSTRING	1	SRBRMTR3	Byte 3 of SRBRMTR
		1		SRBRMTLL	"X'01'" When on, the local lock will be held when control is given to the RMTR. The RMTR is allowed to release the local lock before returning, but is not required to do so.
28	(1C)	ADDRESS	4	SRBPARM	USER PARAMETER
32	(20)	ADDRESS	4	SRBWEB(0)	Address of this SRB's WEB. SERIALIZATION: None OWNERSHIP: Supervisor Control
32	(20)	ADDRESS	4	SRBSAVE	Reserved. Must be Zero. SERIALIZATION: None OWNERSHIP: Supervisor Control
36	(24)	BITSTRING	1	SRBPKF	PROTECT KEY INDICATION
37	(25)	BITSTRING	1	SRBPRIOR(0)	PRIORITY LEVEL INDIC
37	(25)	BITSTRING	1	SRBFLGS	SRB OPTION FLAGS
		1...		SRBLLREQ	"X'80'" LOCAL LOCK REQUIRED
		.1..		SRBLLHLD	"X'40'" LOCAL LOCK HELD
		..1.		SRBFRREQ	"X'20'" FRR REQUESTED
		...1		SRBFRRCL	"X'10'" THIS BIT IS OBSOLETE SINCE FRR PARM AREA ALWAYS CLEARED BY DISPATCHER. RETAINED FOR COMPATIBILITY.
		.... 1...		SRBSUSP	"X'08'" SUSPENDED SRB ONLY ON FOR SSRB

Table 247. Structure SRBSECT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		SRBPNONQ	"X'04'" NON QUIESCABLE SRB
		....		SRBPSYS	"X'00'" SYSTEM PRIORITY LEVEL
38	(26)	BITSTRING	1	SRBHLHI	INDICATION OF SUSPEND LOCKS HELD AT SRB SUSPENSION
39	(27)	BITSTRING	1	SRBFLGS1	SRB TYPE FLAGS.
		1...		SRBMAIN	"X'80'" SRB/SSRB MUST BE FREEMAINED.
		.1..		SRBSP245	"X'40'" SRB/SSRB FROM SUBPOOL 245.
		..1.		SRBBLK24	"X'20'" SRB BELOW THE LINE
		...1		SRBXESF	"X'10'" Mode=primary FRR - only meaningful if SRBFRREQ is set.
		.... 1...		SRB1STS	"X'08'" This SSRB represents the initial schedule of a workunit and has never been dispatched.
		.... .1..		SRBPMCS	"X'04'" This SRB is in process-must complete mode
		.... ..1.		SRBMSCHD	"X'02'" This SRB was schduled via the IEAMSCHD macro
		1		SRBTOKNP	"X'01'" This SSRB belongs to the pool created for SUSPEND with SPTOKEN.
40	(28)	ADDRESS	4	SRBFRRA(0)	FRR ROUTINE ADDRESS
40	(28)	CHARACTER	3		High three bytes of addr
43	(2B)	CHARACTER	1	SRBFRRA3	Low order byte of address
		1		SRBSD31	"X'01'" Set this flag to indicate that the FRR can tolerate an SDWA in 31-bit storage. This is equivalent to the SETFRR SDWALOC31=YES parameter
44	(2C)	SIGNED	4	SRBEND(0)	END OF SRB
44	(2C)	X'2C'	0	SRBSIZE	"SRBEND-SRBSECT" SIZE OF SRB

Table 248. Cross Reference for SRB

Name	Offset	Hex Tag
SRB	0	
SRBASCB	8	
SRBASC24	9	
SRBBLK24	27	20
SRBCPAFF	C	
SRBEND	2C	
SRBEP	14	
SRBEPA	14	
SRBFLC	C	
SRBFLGS	25	
SRBFLGS1	27	
SRBFLNK	4	
SRBFRRA	28	
SRBFRRA3	2B	
SRBFRRCL	25	10

Table 248. Cross Reference for SRB (continued)

Name	Offset	Hex Tag
SRBFRREQ	25	20
SRBHLHI	26	
SRBID	0	
SRBLLHLD	25	40
SRBLLREQ	25	80
SRBMAIN	27	80
SRBMODE	14	80
SRBMSCHD	27	2
SRBPARM	1C	
SRBPASID	E	
SRBPKF	24	
SRBPMCS	27	4
SRBPNONQ	25	4
SRBPRIOR	25	
SRBPSYS	25	0
SRBPTCB	10	
SRBRMODE	18	80
SRBRMTLL	1B	1
SRBRMTR	18	
SRBRMTRA	18	
SRBRMTR0	18	
SRBRMTR3	1B	
SRBSAVE	20	
SRBSD31	2B	1
SRBSECT	0	
SRBSIZE	2C	2C
SRBSP245	27	40
SRBSUSP	25	8
SRBTOKNP	27	1
SRBWEB	20	
SRBXESF	27	10
SRB1STS	27	8

Chapter 61. SRCD Information

SRCD Programming Interface Information

SRCD is a programming interface.

SRCD Heading Information

Common Name:	DAE data set record format
Macro ID:	ADYSRCD
DSECT Name:	SRCD
Owning Component:	DUMP ANALYSIS AND ELIMINATION (SC143)
Eye-Catcher ID:	SRC Offset: 0 Length: 3
Storage Attributes:	Subpool: User Supplied Key: User Supplied Residency: User Supplied ALLOCATION METHOD: User Supplied FREQUENCY: User Supplied
Size:	LENGTH(SRCD)
Created by:	N/A
Pointed to by:	N/A
Serialization:	NONE
Function:	Maps one DAE data set record.

SRCD mapping

Table 249. Structure SRCD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SRCD	
0	(0)	CHARACTER	4	SRCDID(0)	ACRONYM AND VERSION NUMBER
0	(0)	CHARACTER	3	SRCSRC	ACRONYM 'SRC'
3	(3)	CHARACTER	1	SRCVSN	VERSION NUMBER
4	(4)	CHARACTER	6	SRCUSERA	EYE-CATCHER='*USER*'
10	(A)	CHARACTER	20	SRCUSER	RESERVED FOR USER
30	(1E)	CHARACTER	1	SRCTEST	VALIDITY CHECKING DATA
31	(1F)	CHARACTER	21	SRCORIG(0)	ORIGINAL DUMP DATA
31	(1F)	CHARACTER	10	SRCERRID(0)	ORIGINAL ERRORID
31	(1F)	SIGNED	2	SRCERSEQ	ERROR ID SEQUENCE NUMBER
33	(21)	SIGNED	2	SRCERCPU	ERROR ID CPU ID
35	(23)	SIGNED	2	SRCERAS	ERROR ID ADDRESS SPACE ID
37	(25)	SIGNED	4	SRCTIME	ORIGINAL TIME-(BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT.)
41	(29)	CHARACTER	4	SRCDATE	ORIGINAL DATE (PACKED DECIMAL JULIAN-00YYDDDF)
45	(2D)	CHARACTER	6	SRCCPU	ORIGINAL CPUID-FROM STIDP INSTRUCTION
51	(33)	BITSTRING	1	SRCFLG	FLAGS

Table 249. Structure SRCD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		SRCSVCD	"BIT0" AN SVC DUMP CREATED THE ORIGINAL DOCUMENTATION
		.1..		SRCSYSMD	"BIT1" A SYSMDUMP DUMP CREATED THE ORIGINAL DOCUMENTATION
		..1.		SRCTRUM	"BIT2" ORIGINAL SYMPTOM STRING WAS TRUNCATED
52	(34)	CHARACTER	10	SRCCURR(0)	LAST OCCURRENCE DATA
52	(34)	SIGNED	4	SRCDTIME	TIME-LAST OCCURRENCE (BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT.)
56	(38)	CHARACTER	4	SRCDDATE	DATE LAST OCCURRENCE (PACKED DECIMAL JULIAN-00YYDDDF)
60	(3C)	SIGNED	2	SRCDCNT	COUNT OF OCCURRENCES
62	(3E)	CHARACTER	6	SRCSYMPA	EYE-CATCHER='*SYM**'
68	(44)	CHARACTER	150	SRCSYMP	SYMPTOM STRING
218	(DA)	CHARACTER	8	SRCSNAMO	SYSTEM NAME - ORIGNAL OCCURRENCE
226	(E2)	CHARACTER	8	SRCSNAML	SYSTEM NAME - LAST OCCURRENCE
234	(EA)	CHARACTER	1	SCRDFLAG	Flags
		1...		SRCDTKDP	"BIT0" Take the next dump for this incident regardless of any other DAE indications.
		.1..		SRCDRCDA	"BIT1" This entry is here only because RECORDALL was specified.
		..1.		SRCSCDUP	"BIT2" This entry represents a dump that was suppressed because a match was found on the captured dump queue - the dump for the original occurence has not been written yet
235	(EB)	CHARACTER	20	SRCIBM	RESERVED FOR IBM USE
255	(FF)	CHARACTER	1	SRCDEND(0)	End of SRCD Mapping
		1111 1111		SRCTESTC	"X'FF'" VALUE FOR FIELD SRCTEST

Table 250. Cross Reference for SRCD

Name	Offset	Hex Tag
SCRDFLAG	EA	
SRCCPU	2D	
SRCCURR	34	
SRCD	0	
SRCDATE	29	
SRCDCNT	3C	
SRCDDATE	38	
SRCDEND	FF	
SRCDID	0	
SRCDRCDA	EA	40
SRCDTIME	34	
SRCDTKDP	EA	80
SRCERAS	23	
SRCERCPU	21	
SRCERRID	1F	
SRCERSEQ	1F	

Table 250. Cross Reference for SRCD (continued)

Name	Offset	Hex Tag
SRCFLG	33	
SRCIBM	EB	
SRCORIG	1F	
SRCSCDUP	EA	20
SRCSNAML	E2	
SRCSNAMO	DA	
SRCSRC	0	
SRCSVCD	33	80
SRCSYMP	44	
SRCSYMPA	3E	
SRCSYSMD	33	40
SRCTEST	1E	
SRCTESTC	FF	FF
SRCTIME	25	
SRCTRUM	33	20
SRCUSER	A	
SRCUSERA	4	
SRCVSN	3	

Chapter 62. SRPL Information

SRPL Heading Information

Common Name:	ENF SIGNAL ROUTINE PARAMETER LIST (SRPL)
Macro ID:	IEEZB814
DSECT Name:	SRPL
Owning Component:	MASTER SCHEDULER (SC1B8)
Eye-Catcher ID:	SRPL Offset: 0 Length: 4
Storage Attributes:	Subpool: 229 Key: 0
Size:	256 BYTES
Created by:	CALLER OF IEEMB885
Pointed to by:	N/A
Serialization:	NONE
Function:	THE SIGNAL ROUTINE PARAMETER LIST (SRPL) MAPS THE PARAMETER LIST USED BY MODULE IEEMB885, TO ISSUE AN ENF SIGNAL INDICATING ONE OR MORE DEVICES HAVE GONE ONLINE OR OFFLINE.

SRPL mapping

Table 251. Structure SRPL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	SRPL	SIGNAL ROUTINE PARAMETER LIST MAPPING
0	(0)	CHARACTER	4	SRPLACRN	ACRONYM - SRPL
4	(4)	UNSIGNED	1	SRPLVERS	VERSION LEVEL
5	(5)	UNSIGNED	1	SRPLFUNC	FUNCTION CODE
6	(6)	CHARACTER	2	SRPLRSV1	RESERVED
8	(8)	CHARACTER	8	SRPLMOD	MODULE THAT INVOKED IEEMB885
16	(10)	ADDRESS	4	SRPLPRMP	POINTER TO FUNCTION RELATED PARAMETER LIST

Table 252. Structure SRPLSIGD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	236	SRPLSIGD	SIGNAL ROUTINE PARAMETER LIST MAPPING
0	(0)	BITSTRING	1	SRPLFLGS	INPUT FLAGS BYTE
		1...		SRPLONLN	SIGNAL DEVICE ONLINE
		.1..		SRPLOFLN	SIGNAL DEVICE OFFLINE
		..11 1111		*	RESERVED
1	(1)	CHARACTER	3	SRPLRSV2	RESERVED
4	(4)	ADDRESS	4	SRPLNXTU	POINTER TO NEXT UCB ADDRESS IN LIST
8	(8)	CHARACTER	4	SRPLRSV3	RESERVED

Table 252. Structure SRPLSIGD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	ADDRESS	4	SRPLUCBP(56)	LIST OF UCB ADDRESSES FOR WHICH IEEMB885 MUST ISSUE AN ENF SIGNAL

Table 253. Constants for SRPL

Len	Type	Value	Name	Description
	VALUES FOR FUNCTION FUNCTION CODE (FIELD SRPLFUNC)			
1	DECIMAL	1	SRPLFNC1	SIGNAL ONLINE AND OFFLINE
	VALUES FOR VERSION LEVEL - PUT IN FIELD SRPLVERS			
1	DECIMAL	1	SRPLVID	VERSION LEVEL - UPDATED FOR SIZE OR INCOMPATIBLE CHANGE
1	DECIMAL	1	SRPLSP21	VERSION LEVEL IS OS/VS2 HBB2102
	OTHER DECLARES USED WITH THE SRPL			
1	DECIMAL	56	SRPLMAX	MAX NUMBER OF UCB ADDRESSES
4	CHARACTER	SRPL	SRPLNAME	SRPL ACRONYM

Table 254. Cross Reference for SRPL

Name	Offset	Hex Tag
SRPL	0	
SRPLACRN	0	
SRPLFLGS	0	
SRPLFUNC	5	
SRPLMOD	8	
SRPLNXTU	4	
SRPLOFLN	0	40
SRPLONLN	0	80
SRPLPRMP	10	
SRPLRSV1	6	
SRPLRSV2	1	
SRPLRSV3	8	
SRPLSIGD	0	
SRPLUCBP	C	
SRPLVERS	4	

Chapter 63. SRRA Information

SRRA Heading Information

Common Name:	Service Routine Recovery Area
Macro ID:	IHASRRA
DSECT Name:	SRRA
Owning Component:	PC/AUTH (SCXMS)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 229 (in PC/Auth private) Key: 0
Size:	Fixed portion of 44 bytes and a service-unique portion of variabl length.
Created by:	PC/Auth Service Routine
Pointed to by:	PCRASRRA
Serialization:	PC/AUTH LOCAL lock
Function:	Describes the PC/Auth service routine recovery area, a portion of which is in a fixed format. It is used to maintain data necessary for retrying a failing PC/Auth service.

SRRA mapping

Table 255. Structure SRRA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SRRA	
0	(0)	CHARACTER	4	SRRANAME	SRRA ACRONYM FIELD
4	(4)	ADDRESS	4	SRRADATA	PTR TO DYNAMIC DATA AREA
8	(8)	SIGNED	2	SRRADLEN	DYNAMIC DATA AREA LENGTH
10	(A)	SIGNED	2	SRRASLEN	SRRA LENGTH
12	(C)	ADDRESS	4	SRRABASE	PC/AUTH SERVICE BASE REGISTER
16	(10)	ADDRESS	4	SRRABAS2	PC/AUTH SERVICE 2ND BASE REG
20	(14)	ADDRESS	4	SRRARTY@	FRR RETRY ROUTINE ADDRESS
24	(18)	ADDRESS	4	SRRARREG	PTR TO FRR RETRY REGS 0-15
28	(1C)	ADDRESS	4	SRRASUML	SDUMP SUMLSTA LIST PTR (OPT.)
32	(20)	UNSIGNED	4	SRRAESAR	SECONDARY ASID FOR PC
32	(20)	BITSTRING	2	*	
34	(22)	BITSTRING	2	SRRASASD	HALFWORD SECONDARY ASID
36	(24)	ADDRESS	4	SRRAHOME	HOME ASCB ADDRESS AT ENTRY
40	(28)	ADDRESS	4	SRRAMLIA	MODULE LEVEL INFO ADDRESS
44	(2C)	CHARACTER	*	*	SERVICE-UNIQUE PORTION

Table 256. Cross Reference for SRRA

Name	Offset	Hex Tag
SRRA	0	
SRRABASE	C	
SRRABAS2	10	
SRRADATA	4	
SRRADLEN	8	
SRRAESAR	20	

Table 256. Cross Reference for SRRA (continued)

Name	Offset	Hex Tag
SRRAHOME	24	
SRRAMLIA	28	
SRRANAME	0	
SRRARREG	18	
SRRARTY@	14	
SRRASASD	22	
SRRASLEN	A	
SRRASUML	1C	

Chapter 64. SSAG Information

SSAG Heading Information

Common Name:	Allocation grouping of SUBSYS DDs function
Macro ID:	IEFSSAG
DSECT Name:	SSAG (OPTIONAL)
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Subpool 230 Key: Scheduler key Residency: Any
Size:	LENGTH(SSAG)
Created by:	IEFAB427
Pointed to by:	SSOBINDV field of the SSOB control block (SSOBSOBH)
Serialization:	None
Function:	Used by allocation modules to interface with subsystems to allocate/unallocate subsys data sets or functions.

SSAG mapping

Table 257. Structure SSAG

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	28	SSAG	BEGINNING OF EXTENSION
0	(0)	CHARACTER	28	SSAGEHDR	EXTENSION HEADER
0	(0)	SIGNED	2	SSAGLEN	LENGTH OF EXTENSION
2	(2)	BITSTRING	2	SSAGFLGS	GROUP LEVEL FLAGS
		1...		SSAGWAIT	OK TO WAIT FLAG
		.1..		SSAGSMSG	SUBSYSTEM TO RETURN ERROR MESSAGES FLAG
2	(2)	BITSTRING	1	*	RESERVED FLAGS
4	(4)	SIGNED	2	SSAGGPEC	GROUP LEVEL ERROR CODE
6	(6)	SIGNED	2	SSAGGPIC	GROUP LEVEL INFO CODE - DEFINED BY THE SUBSYSTEM
8	(8)	ADDRESS	4	SSAGARBP	PTR TO FIRST RB
12	(C)	ADDRESS	4	SSAGCNCL	POINTER TO CANCEL ECB
16	(10)	ADDRESS	4	SSAGJBNM	POINTER TO JOB NAME
20	(14)	SIGNED	4	SSAGGMLN	MAXIMUM LENGTH OF SUBSYSTEM GROUP LEVEL MESSAGE
24	(18)	ADDRESS	4	SSAGGMGP	POINTER TO GROUP LEVEL MESSAGE BLOCK

Table 258. Constants for SSAG

Len	Type	Value	Name	Description
2	DECIMAL	39	SSOBAGRP	GROUP SUBSYS REQUESTS
	ALLOCATION GROUP REQUEST RETURN CODES (SSOBRETN)			
2	DECIMAL	0	SSAGRTOK	SUCCESSFUL - ALL REQUESTS WERE ALLOCATED

Table 258. Constants for SSAG (continued)

Len	Type	Value	Name	Description
2	DECIMAL	4	SSAGDDER	NO ALLOCATION- ONE OR MORE REQUEST IN ERROR
2	DECIMAL	8	SSAGGPER	NO ALLOCATION - GROUP LEVEL ERROR
			THE FOLLOWING RETURN CODES WILL BE RETURNED BY THE SUBSYSTEM IN FIELDS SSAGGPEC AND SSAGRBEC. - FIELD SSAGGPEC (AND OPTIONALLY SSAGRBEC) IS TO BE SET WHEN SSAGGPER IS RETURNED IN SSOBRETN. - FIELD SSAGRBEC CORRESPONDING TO THE REQUEST(S) IN ERROR IS TO BE SET WHEN SSAGDDER IS RETURNED IN SSOBRETN. THE ASSOCIATED FIELDS SSAGGPIC AND SSAGRBIC ARE TO BE SET TO SUBSYSTEM DEFINED VALUES THAT WILL BE RETURNED AS DYNAMIC ALLOCATION INFORMATIONAL REASON CODES. ERROR MESSAGE PROCESSING -WHEN SSAGSMSG IS SET BY THE CALLER, FIELDS SSAGGMGP AND SSAGDMGP WILL EACH CONTAIN A POINTER TO AN AREA IN WHICH THE SUBSYSTEM IS TO RETURN SUBSYSTEM DEFINED ERROR MESSAGES CORRESPONDING TO THE VALUES SET IN FIELDS SSAGGPIC AND SSAGRBIC. -EACH MESSAGE AREA CONSISTS OF A 2 BYTE LENGTH FOLLOWED BY A MESSAGE TEXT AREA OF LENGTH DEFINED IN SSAGGMLN AND SSAGDMLN. THE MESSAGE AREA IS NOT INITIALIZED BY THE CALLER AND THE SUBSYSTEM MUST SET THE LENGTH OF THE MESSAGE TEXT RETURNED. BLANKS WILL BE COMPRESSED BY THE CALLER. -MESSAGES ARE TO BE RETURNED ONLY FOR REQUESTS THAT ARE IN ERROR. NOTE: FIELDS SSAGRBEC, SSAGRBIC, SSAGDMGP, AND SSAGDMLN ARE DEFINED IN THE GROUP ALLOCATION REQUEST BLOCK, 'SSAGARBK' - MAPPED BY MACRO IEFSSARB.	
2	DECIMAL	0	SSAGRQOK	REQUEST ALLOCATED
2	DECIMAL	4	SSAGORUN	OPERATING SYSTEM RESOURCE NOT AVAILABLE
2	DECIMAL	8	SSAGSRUN	SUBSYSTEM RESOURCE NOT AVAILABLE
2	DECIMAL	12	SSAGIPRM	INVALID PARAMETER
2	DECIMAL	16	SSAGIREQ	INVALID REQUEST
2	DECIMAL	20	SSAGCREQ	CANCEL REQUESTED
2	DECIMAL	24	SSAGSSER	SUBSYSTEM LOGIC ERR

Table 259. Cross Reference for SSAG

Name	Offset	Hex Tag
SSAG	0	
SSAGARBP	8	
SSAGCNCL	C	
SSAGEHDR	0	
SSAGFLGS	2	
SSAGGMGP	18	
SSAGGMLN	14	
SSAGGPEC	4	
SSAGGPIC	6	
SSAGJBNM	10	
SSAGLEN	0	
SSAGSMSG	2	40

Table 259. Cross Reference for SSAG (continued)

Name	Offset	Hex Tag
SSAGWAIT	2	80

Chapter 65. SSAL Information

SSAL Programming Interface Information

SSAL is a programming interface.

SSAL Heading Information

Common Name:	Allocation/Unallocation of SYSOUT function
Macro ID:	IEFSSAL
DSECT Name:	SSAL (OPTIONAL)
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Subpool 230 Key: Scheduler key Residency: Any
Size:	LENGTH(SSAL)
Created by:	IEFAB4SF
Pointed to by:	SSOBINDV field of the SSOB control block (SSOBSOBH)
Serialization:	None
Function:	Used by allocation modules to interface with subsystems to allocate/unallocate SYSOUT data sets or functions.

SSAL mapping

Table 260. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 260. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
     START OF SPECIFICATIONS
 01 MACRO-NAME = IEFSSAL
 01 ACRONYM = SSAL
 01 DESCRIPTIVE NAME = Allocation/Unallocation of SYSOUT
                       function
 01 PROPRIETARY STATEMENT=
   PROPRIETARY_STATEMENT
  LICENSED MATERIALS - PROPERTY OF IBM
  5694-A01 COPYRIGHT IBM CORP. 1983, 2011
  STATUS= HBB7780
   END_OF_PROPRIETARY_STATEMENT
 01 DSECT NAME = SSAL (OPTIONAL)
 01 COMPONENT = Allocation (SC1B4)
 01 EYE-CATCHER = None
 02 OFFSET = N/A
 02 LENGTH = N/A
 01 STORAGE ATTRIBUTES =
 02 ALLOCATION METHOD = Dynamic storage of IEFAB4SF
 02 SUBPOOL = Subpool 230
 02 KEY = Scheduler key
 02 RESIDENCY = Any
 02 SIZE = LENGTH(SSAL)
 02 FREQUENCY = 1 per allocation or unallocation
                         request for a subsystem data set.
 01 CREATED BY = IEFAB4SF
 01 POINTED TO BY =
      SSOBINDV field of the SSOB control block (SSOBSOBH)
 01 SERIALIZATION = None
 01 FUNCTION =
 02 Used by allocation modules to interface with subsystems
      to allocate/unallocate SYSOUT data sets or functions.
 01 INVOCATION
 01 METHOD OF ACCESS:
 02 ASM:
            THE MACRO HAS TWO CALLING SEQUENCES:
 03 1) IEFJSSOB (AL,...),CONTIG=YES/NO
 04 WHERE THE VALUES WITHIN THE PARENTHESES
                    ARE THE FUNCTION ID'S OF THE INDIVIDUAL
                    SSI EXTENSIONS REQUESTED. AL IS THE
                    FUNCTION ID FOR THE ALLOCATION OR THE
                    UNALLOCATION OF SYSIN/SYSOUT DATA SETS.
                    ALSO PRODUCED IS THE SSOB HEADER.
 04 CONTIG=NO RESULTS IN A DSECT BEING
                    GENERATED BETWEEN THE SSOB HEADER AND THE
                    EXTENSION.
 04 CONTIG=YES RESULTS IN THE EXTENSION BEING
                    CONTIGUOUS WITH THE SSOB HEADER. (THIS IS
                    THE DEFAULT)
 03 2) SSAL DSECT (OPTIONAL)
 04 IEFSSAL
 04 THIS WILL PRODUCE THE AL EXTENSION.
 04 NOTES ON THE ASSEMBLER INVOCATION:
```

Table 260. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
   05 - AN 'ORG SSOBGN' APPEARS AT THE BEGINNING OF IEFSSAL.
           IEFJSSOB GENERATES THE DEFINITION OF SSOBGN ONLY
           WHEN AN EXTENSION IS SPECIFIED. IF IEFJSSOB IS NOT
           INVOKED, THE CALLER MUST DEFINE THIS SYMBOL.
   05 - THE SAME RULE APPLIES FOR 'SSOBHSIZ', A VARIABLE
           USED TO CALCULATE THE SIZE OF THE HEADER PLUS THE
           EXTENSION.
   02 PL/AS:
   03 %DCL SSOBAL CHAR
   03 %SSOBAL='VALUE'
   04 WHERE 'VALUE'='BASED' OR
   04 'VALUE'='BDY(WORD)'.
   03 THEN CODE EITHER ONE OF THE FOLLOWING:
   04 %INCLUDE SYSLIB(IEFJSSOB)
   05 NOTE: INCLUDING IEFJSSOB WILL ALSO
                            GENERATE THE SSOB HEADER IF A MACRO
                            VARIABLE CALLED SSOBSSOB IS SET
                            TO A NON NULL/BLANK VALUE.
   04 %INCLUDE SYSLIB(IEFSSAL)
   01 DELETED BY = IEFAB4SF
   01 NOTES = The IEFSSAL mapping is also INCLUDED by modules
              IEFAB427 and IEFAB4A2 to reference constants,
              but is neither created nor deleted there.
   01 DEPENDENCIES = None
   01 RESTRICTIONS = None
   01 DISTRIBUTION LIBRARY = AMACLIB
   01 EXTERNAL CLASSIFICATION: PI
   01 END OF EXTERNAL CLASSIFICATION:
   01 CHANGE ACTIVITY =
         OZ34144,R1,OZ75043,L2,L3,L4,L5,D1,D2,P1,L6,P2
      The above change activity is no longer being updated.
      $L1= EXTJCL JBB2110 821015 PDC5: SUPPORT FOR EXTENDED JCL
      $L2= SWABOVE JBB2220 850612 PDN2: SWA ABOVE THE LINE
      $L3= SP313 JBB3313 880301 PDV6: MVS/SP 3.1.3
      $L4= JUP03 JBB3330 870520 PDM9: JES2 SP320 SSI SUPPORT
      $L5= EMVS2 HBB4410 881205 PDEU: ENHANCED SYSOUT SUPPORT
      $D1= DEO0284 HBB4410 891127 PDDU: New text unit support for
                                        browse token
      $D2= DH30067 HBB4420 900430 PDAZ: Support of multiple
                                        TSO/STC internal readers
      $P1= PKB2193 HBB4430 920731 PDG5: 10X Defect Elimination
      $L6= ARM HBB5520 940215 PDG5: ARM Support
```

Table 260. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
      $P2= PN70820 HBB5520 920728 PDG5: Fix SHOWHDR information
      $L7= BCPOP HBB6605 970516 PDG5: Support for JES Open
                                      Print Interface
      $01= OA02753 HBB7703 030630 PDFM: Fail allocation of
                                      uninitialized spool dataset.
                                      In support of OW57577.
      $L8= UASSR HBB7740 060930 PDHV: Unauthorized SSI request
      $P3= ME08921 HBB7740 070115 PDHV: User key for JES UASSReq
      $L9= SMSR13D HBB7780 091130 PDHV: Support XTIOT/DSAB above
                                      for subsystem data sets
      $P4= ME10921 HBB7780 100331 PDQV: JES Spool Allocate failure
                                      needs more info
       END OF SPECIFICATIONS
   C - Added new JES Spool Allocate failure reason field SSALJSFR.
       This is set by IEFAB4SF so that it may be passed back via
       S99Info.
   A - Add support for subsystem to pass back an indication of its
       support for XTIOTs, DSABs above the line and uncaptured
       (31-bit) UCBs. The flag will be copied to the DSAB and
       used by OPEN to ensure that subsystem DDs using the above
       functions are not opened unless they explicitly support
       them.
   C - Add user's execution key to pass to JES for SSI SSOBALCU
       request. Their "browse token" includes a pointer to storage
       that we do not access, so they must verify it themselves and
       they need the execution key of the user's storage to do it.
   C - Added new SSOBALCU function for 'unauthorized allocate'.
       This is supported by JES2, to allow unauthorized programs
       to do subsystem allocation of a spool dataset. All other
       parameters for the request are the same as for SSOBALOC.
   C - Added new SSOBRETN return code SSALUNSP. This will be set by
       JES2 if they determine that an allocation is being attempted
       against an uninitialized spool dataset.
```

Table 260. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		C - Support Dynamic Allocation new text unit key X'0071' - DALRTCTK "return Allocation Sysout Client Token (CTOKEN)" added in support of JES Open Print Interface. Fields added to the SSAL to communicate the request to return the CTOKEN to JES, and receive the returned token back from JES. The contents of the token area will be initialized by Allocation to zeros prior to the SSI call. It will remain zeros if JES did not return the CTOKEN.			
		C - Changed DSECT IEFSSAL back to DSECT SSAL as per PN70820. It was changed from SSAL to IEFSSAL incorrectly during ARM 5.2.0 development. The classification was also changed from DMTI to PSPI intentionally, and this is correct, since this macro is used as part of a subsystem interface and NOT for diagnosis or tuning. The "created-by" statement has been corrected to show only IEFAB4SF as none of the other modules shown (IEFAB4A2, IEFAB427) do more than INCLUDE the mapping to reference reason code constants. A "deleted-by" statement was also added to indicate IEFAB4SF also deletes the control block.			
		C - Added a BIT(1) flag field which, when on, will indicate to JES that all jobs submitted via the dynamically-allocated internal reader, must run on the same system they were submitted on, overriding any system affinities. Made prolog SHOWHDR compliant and classified block as PSPI. Changed DISTLIB here, and in CLEAR IDS from AMODGEN to AMACLIB (with SYSLIB of MACLIB), as per distribution library guidelines in effect for this release.			
		C - Added a FIXED(32) field for the data set concatenation number. Updated prolog to SHOWHDR format.			
		C - Added a pointer to the internal reader name and an indicator that the caller is authorized			
		C - Added pointer to the first length field in the browse token.			
		C - Added one flag bit, SSALBROW, in SSALFLG2 to indicate that user has supplied a browse token.			
		C - ADDED JOB STATUS INDICATORS (SSALJBAB,SSALJFAL,SSALJECC) TO SSALFLG2, THAT ARE NEEDED FOR DISPOSITION PROCESSING OF SYSOUT DATA SETS.			
		C - CHANGED THE RESERVED BYTE TO SSALFLG2 AND ADDED SSALWTRN FLAG TO INDICATE THE PASSED PGM NAME IS A WRITER NAME			
		C - ADDED FIELD SSALTDSN WHICH POINTS TO A EIGHT BYTE FIELD CONTAINING THE TEMPORARY DATA SET NAME FOR SYSIN/SYSOUT			
		C - ADDED THE RETURN CODE SSALRESV			
		C - CHANGED THE COPYRIGHT			
		C - ADDED FIELD SSALJFCE WHICH POINTS TO A JFCBE			
		C - ADDED FIELD SSALTKNP WHICH POINTS TO A SJF TOKEN THAT IS USED TO ASSOCIATE A SWB WITH AN OUTPUT DATASET ON ALLOCATION.			
		C - SIOT FIELD SIOTBYT5 CONTAINS FLAGS TO INDICATE DEFAULT BITS FOR COPIES AND SYSOUT.			
		C - SPLITOUT FROM IEFJSSOB			
		%GOTO SSALPLS;			
0	(0) X'6'		0	SSOBALOC	"6" ALLOCATION FUNCTION ID (SSOBFUNC)
0	(0) X'7'		0	SSOBUNAL	"7" UNALLOCATION FUNCTION ID (SSOBFUNC)

Table 260. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	X'51'	0	SSOBALCU	"81" ALLOCATION FUNCTION ID (SSOBFUNC) BY UNAUTHORIZED PROGRAM
ALLOCATION/UNALLOCATION RETURN CODES (SSOBRETN)					
0	(0)	X'0'	0	SSALRTOK	"0" ALLOCATION/UNALLOCATION SUCCESSFUL
0	(0)	X'4'	0	SSALWTFL	"4" ALLOCATION WAIT FAILED YM04976
0	(0)	X'8'	0	SSALCREQ	"8" CANCEL REQUESTED
0	(0)	X'C'	0	SSALIDST	"12" INVALID DESTINATION
0	(0)	X'10'	0	SSALNAUT	"16" USER UNAUTHORIZED TO ALLOCATE THIS DATA SET
0	(0)	X'14'	0	SSALUNAL	"20" UNABLE TO ALLOCATE YM04976
0	(0)	X'18'	0	SSALRESV	"24" SYSIN/SYSOUT TEMPORARY DATA SET NAME IS A RESERVED NAME
0	(0)	X'1C'	0	SSALNCTK	"28" Requested Allocation Sysout Client Token (CTOKEN) not returned by JES
0	(0)	X'20'	0	SSALUNSP	"32" Unable to allocate uninitialized spool dataset (JES2)
0	(0)	X'0'	0	SSALBGN	"*"
0	(0)	ADDRESS	2	SSALLEN	ALLOC/UNALLOC EXTENSION LENGTH
2	(2)	BITSTRING	1	SSALFLG1	ALLOCATION/UNALLOCATION FLAGS
		1...		SSALDELT	"X'80'" DELETE AT UNALLOCATION
		.1..		SSALHOLD	"X'40'" HOLD AT UNALLOCATION
		..1.		SSALNHLD	"X'20'" NOHOLD OPTION SPECIFIED
		...1		SSALWAIT	"X'10'" WAIT FOR ALLOCATION
		.... 1...		SSALTRKM	"X'08'" ASSIGN A SEPARATE TRACK GROUP MAP
		.... .1..		SSALSPIN	"X'04'" SPIN OFF DATA SET
		.... ..1.		SSALASNM	"X'02'" DATA SET REQUIRES A DATA SET NAME
		1		SSALKEEP	"X'01'" SUBSYSTEM SHOULD KEEP THE DS
3	(3)	BITSTRING	1	SSALFLG2	FLAG BYTE
		1...		SSALWTRN	"X'80'" PASSED PGM NAME IS A WRITER NAME
		.1..		SSALJBAB	"X'40'" JOB ABENDED
		..1.		SSALJFAL	"X'20'" JOB ENDED DUE TO ALLOCATION ERR
		...1		SSALJECC	"X'10'" JOB ENDED DUE TO JOB COND CODES
		.... 1...		SSALBROW	"X'08'" Browse token supplied
		.... .1..		SSALAUTH	"X'04'" Caller is authorized
		.... ..1.		SSALOVAF	"X'02'" Override system affinity for job submitted via dynamically-allocated internal reader

```
-rsvd- EQU X'01' Reserved - available
  FOLLOWING FIELDS CONTAIN POINTERS TO THE INDICATED DATA -
    (NUMBERS IN PARENTHESES INDICATE LENGTH OF AREA POINTED TO)
  OR ELSE THE ACTUAL DATA ITSELF.
```

Table 260. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	ADDRESS	4	SSALDDNM	DDNAME (8)
8	(8)	ADDRESS	4	SSALDEST	REMOTE DESTINATION ID OR BLANK (8)
12	(C)	ADDRESS	4	SSALDISP	DATA SET DISPOSITION (1)
16	(10)	ADDRESS	4	SSALDUMY	DUMMY/SYSIN FLAGS (1)
20	(14)	ADDRESS	4	SSALSOUT	SYSOUT FLAGS (1)
24	(18)	ADDRESS	4	SSALUNIT	UNIT TYPE (8)
28	(1C)	ADDRESS	4	SSALPGMN	USER WRITER PROGRAM NAME (8)
32	(20)	ADDRESS	4	SSALFORM	FORMS NUMBER (4)
36	(24)	ADDRESS	4	SSALCLAS	CLASS (1)
40	(28)	ADDRESS	4	SSALADSP	ALTERNATE DISPOSITION FLAGS (1)
44	(2C)	ADDRESS	4	SSALCOPY	NUMBER OF COPIES TO BE PRINTED (1)
48	(30)	ADDRESS	4	SSALSSNM	SUBSYSTEM NAME (4)
52	(34)	ADDRESS	4	SSALJFCB	JFCB (176)
56	(38)	ADDRESS	4	SSALSSCM	SUBSYSTEM INFORMATION (LENGTH IS DEPENDENT ON SUBSYSTEM)
60	(3C)	ADDRESS	4	SSALCNCL	CANCEL ECB (ALLOCATION) (4)
64	(40)	ADDRESS	4	SSALSDEF	COPIES/SYSOUT DEFAULT FLAGS (1)
68	(44)	ADDRESS	4	SSALTKNP	SJF TOKEN (8)
72	(48)	ADDRESS	4	SSALJFCE	VIRTUAL ADDRESS OF JFCBE (176)
76	(4C)	ADDRESS	4	SSALTDSN	SYSIN/SYSOUT TEMPORARY DATA SET NAME (8)
80	(50)	ADDRESS	4	SSALBTKN	Pointer to the first length field of a browse token
84	(54)	ADDRESS	4	SSALRDRN	Pointer to the program name
88	(58)	SIGNED	4	SSALCCNO	Data set concatenation number
Additional FLAG fields					
92	(5C)	BITSTRING	1	SSALFLG3	FLAG BYTE #3
		1...		SSALRCTK	"X'80'" Ask JES to return the Allocation Sysout Client Token associated with a SYSOUT allocation request
		.1..		SSALXTIO	"X'40'" Subsystem supports XTIOT, uncaptured UCBs, and DSABs above above the line. (Set by subsystem, used during OPEN.)
-rsvd- EQU X'20' Reserved - available					
-rsvd- EQU X'10' Reserved - available					
-rsvd- EQU X'08' Reserved - available					
-rsvd- EQU X'04' Reserved - available					
-rsvd- EQU X'02' Reserved - available					
-rsvd- EQU X'01' Reserved - available					
93	(5D)	BITSTRING	1	SSALEXKY	Execution key of Dynamic Allocation user, set only for JES unauthorized SUB= requests (SSOBALCU). The key is in the high order nibble.
94	(5E)	BITSTRING	1	SSALJSFR(2)	JES Spool Allocate failure reason NOTE: This field is only supported for Allocation requests.

Table 260. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
Following fields contain additional pointers to the indicated area - (Numbers in parentheses indicate length of area pointed to) or else the actual data itself.					
96	(60)	ADDRESS	4	SSALCTOK	Ptr to CTOKEN area (80)
100	(64)	SIGNED	4	(4)	Reserved 4 words - available
100	(64)	X'74'	0	SSALSIZE	"*-SSALBGN" ALLOC/UNALLOC EXTENSION LENGTH
100	(64)	X'90'	0	SSOBLEN4	"SSOBHSIZ+SSALSIZE" TOTAL SSOB LENGTH

Table 261. Cross Reference for SSAL

Name	Offset	Hex Tag
SSALADSP	28	
SSALASNM	2	2
SSALAUTH	3	4
SSALBGN	0	0
SSALBROW	3	8
SSALBTKN	50	
SSALCCNO	58	
SSALCLAS	24	
SSALCNCL	3C	
SSALCOPY	2C	
SSALCREQ	0	8
SSALCTOK	60	
SSALDDNM	4	
SSALDELT	2	80
SSALDEST	8	
SSALDISP	C	
SSALDUMY	10	
SSALEXKY	5D	
SSALFLG1	2	
SSALFLG2	3	
SSALFLG3	5C	
SSALFORM	20	
SSALHOLD	2	40
SSALIDST	0	C
SSALJBAB	3	40
SSALJECC	3	10
SSALJFAL	3	20
SSALJFCB	34	
SSALJFCE	48	
SSALJSFR	5E	
SSALKEEP	2	1
SSALLEN	0	
SSALNAUT	0	10
SSALNCTK	0	1C
SSALNHLD	2	20

Table 261. Cross Reference for SSAL (continued)

Name	Offset	Hex Tag
SSALOVAF	3	2
SSALPGMN	1C	
SSALRCTK	5C	80
SSALRDRN	54	
SSALRESV	0	18
SSALRTOK	0	0
SSALSDEF	40	
SSALSIZE	64	74
SSALSOUT	14	
SSALSPIN	2	4
SSALSSCM	38	
SSALSSNM	30	
SSALTDSN	4C	
SSALTKNP	44	
SSALTRKM	2	8
SSALUNAL	0	14
SSALUNIT	18	
SSALUNSP	0	20
SSALWAIT	2	10
SSALWTFL	0	4
SSALWTRN	3	80
SSALXTIO	5C	40
SSOBALCU	0	51
SSOBALOC	0	6
SSOBLEN4	64	90
SSOBUNAL	0	7

Chapter 66. SSARB Information

SSARB Heading Information

Common Name:	SUBSYSTEM ALLOCATION REQUEST BLOCK
Macro ID:	IEFSSARB
DSECT Name:	SSARB (OPTIONAL)
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Subpool 230 Key: Scheduler key Residency: Any
Size:	LENGTH(SSARB)
Created by:	IEFAB427
Pointed to by:	SSOBINDV field of the SSOB control block (SSOBSOBH)
Serialization:	None
Function:	The SubSystem Allocation Request Block(SSARB) is a block representing an allocation request to a designated subsystem. An SSARB may be chained to other SSARB's. The first SSARB must be pointed to by the SSAG extension of the SSOB. The SSOB is mapped by macro IEFJSSOB.

SSARB mapping

Table 262. Structure SSAGARBK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	60	SSAGARBK	SSAG REQUEST BLOCK MAPPING
0	(0)	SIGNED	2	SSAGRBLN	REQUEST BLOCK LENGTH
2	(2)	BITSTRING	2	SSAGRBFL	RESERVED FLAGS
4	(4)	SIGNED	2	SSAGRBEC	DD RELATED ERROR CODE
6	(6)	SIGNED	2	SSAGRBIC	DD RELATED INFO CODE-DEFINED BY SUBSYSTEM
8	(8)	SIGNED	2	SSAGDMLN	MAX LENGTH OF DD LEVEL MSG
10	(A)	BITSTRING	1	SSAGFLG1	Flag byte 1, set by subsystem
		1...		SSAGXTIO	Subsystem supports XTIOT, uncaptured UCBs, and DSABs above the line. (Set by subsystem, used by OPEN.)
		.111 1111		*	Reserved for IBM
11	(B)	UNSIGNED	1	*	Reserved for IBM
12	(C)	ADDRESS	4	SSAGNRBP	POINTER TO NEXT RB OR 0
16	(10)	ADDRESS	4	SSAGDDNM	POINTER TO DDNAME
20	(14)	ADDRESS	4	SSAGDISP	POINTER TO DATA SET DISP
24	(18)	ADDRESS	4	SSAGDUMY	POINTER TO DUMMY/SYSIN FLAGS
28	(1C)	ADDRESS	4	SSAGSOUT	POINTER TO SYSOUT FLAGS
32	(20)	ADDRESS	4	SSAGUNIT	POINTER TO UNIT TYPE
36	(24)	ADDRESS	4	SSAGADSP	POINTER TO ALTERNATE DISP
40	(28)	ADDRESS	4	SSAGSSNM	POINTER TO SUBSYSTEM NAME
44	(2C)	ADDRESS	4	SSAGJFCB	POINTER TO JFCB
48	(30)	ADDRESS	4	SSAGSSWA	POINTER TO SSWA

Table 262. Structure SSAGARBK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
52	(34)	ADDRESS	4	SSAGSSCM	POINTER TO INFO
56	(38)	ADDRESS	4	SSAGDMGP	POINTER TO DD LEVEL MESSAGE BLOCK

Table 263. Structure SSAGDMBK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SSAGDMBK	DD LEVEL MESSAGE BLOCK
0	(0)	SIGNED	2	SSAGDMGL	LENGTH OF MESSAGE RETURNED BY SUBSYSTEM
2	(2)	CHARACTER	*	SSAGDMSG	DD LEVEL MESSAGE TEXT

Table 264. Structure SSAGGMBK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SSAGGMBK	GROUP LEVEL MESSAGE BLK
0	(0)	SIGNED	2	SSAGGMGL	LENGTH OF MESSAGE RETURNED BY SUBSYSTEM
2	(2)	CHARACTER	*	SSAGGMSG	GROUP LEVEL MESSAGE TEXT

Table 265. Cross Reference for SSARB

Name	Offset	Hex Tag
SSAGADSP	24	
SSAGARBK	0	
SSAGDDNM	10	
SSAGDISP	14	
SSAGDMBK	0	
SSAGDMGL	0	
SSAGDMGP	38	
SSAGDMLN	8	
SSAGDMSG	2	
SSAGDUMY	18	
SSAGFLG1	A	
SSAGGMBK	0	
SSAGGMGL	0	
SSAGGMSG	2	
SSAGJFCB	2C	
SSAGNRBP	C	
SSAGRBEC	4	
SSAGRBFL	2	
SSAGRBIC	6	
SSAGRBLN	0	
SSAGSOUT	1C	
SSAGSSCM	34	
SSAGSSNM	28	
SSAGSSWA	30	
SSAGUNIT	20	

Table 265. Cross Reference for SSARB (continued)

Name	Offset	Hex Tag
SSAGXTIO	A	80

Chapter 67. SSAT Information

SSAT Heading Information

Common Name:	Subsystem Affinity Table
Macro ID:	IHASSAT
DSECT Name:	SSAT
Owning Component:	Task Manager (SC1CL)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 253 Key: 0
Size:	80 bytes
Created by:	IEAVBK (system-wide Null SSAT) and IEAVESSI
Pointed to by:	TCBSSAT
Serialization:	Local lock
Function:	Maps the Sub System Affinity Table for the SSAFF SET/OBTAIN service routine IEAVESSI.

SSAT mapping

Table 266. Structure SSAT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	80	SSAT	
0	(0)	CHARACTER	16	SSATHDR	SSAT HEADER BEGIN
0	(0)	CHARACTER	4	SSATSSAT	SSAT ACRONYM
4	(4)	ADDRESS	4	SSATLNK	PTR TO NEXT SSAT ON CHAIN
8	(8)	SIGNED	4	SSATCT	NUMBER OF VALID SUBSYSTEM INDICES THIS TABLE
12	(C)	SIGNED	4	SSATHIDX	HIGHEST INDEX FOR ALL TABLES
16	(10)	CHARACTER	4	SSATENTS(16)	SUBSYSTEM ENTRY START
80	(50)	CHARACTER	0	SSATEND	SUBSYSTEM ENTRY

Chapter 68. SSCA Information

SSCA Heading Information

Common Name:	SSOB Extension for Common Allocation/JES3 Exit
Macro ID:	IEFSSCA
DSECT Name:	SSCA
Owning Component:	Allocation/unallocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	20 bytes for SSOB plus 32 bytes for SSCA
Created by:	IEFAB422, IEFAB490
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSCA mapping

Table 267. Structure SSCA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	32	SSCA	BEGINNING COMMON ALLOCATION SSOB EXTENSION
0	(0)	SIGNED	2	SSCALEN	LENGTH OF SSCA
2	(2)	SIGNED	2	SSCARSV0	RESERVED
4	(4)	ADDRESS	4	SSCAPSTN	PTR TO STEP NUMBER
8	(8)	ADDRESS	4	SSCAPDDN	PTR TO DDNAME
12	(C)	ADDRESS	4	SSCAPDSN	PTR TO DSNAME
16	(10)	ADDRESS	4	SSCAPRPN	PTR TO RELATIVE POSITION NUMBER
20	(14)	ADDRESS	4	SSCAPNUN	PTR TO NUMBER OF UNITS REQUIRED
24	(18)	ADDRESS	4	SSCAPUAR	PTR TO UCB ADDRESS RETURN AREA
28	(1C)	ADDRESS	4	SSCAPFLG	PTR TO FLAG FIELD

Table 268. Constants for SSCA

Len	Type	Value	Name	Description
2	DECIMAL	24	SSOBCACD	COMMON ALLOCATION
	COMMON ALLOCATION RETURN CODES (SSOBRETN) -			
4	DECIMAL	0	SSCAALCA	ALLOC SELECT RETURN CODE
4	DECIMAL	4	SSCAJESA	JES3 SELECT DEV RETURN CODE

Table 269. Cross Reference for SSCA

Name	Offset	Hex Tag
SSCA	0	
SSCALEN	0	
SSCAPDDN	8	
SSCAPDSN	C	
SSCAPFLG	1C	

Table 269. Cross Reference for SSCA (continued)

Name	Offset	Hex Tag
SSCAPNUN	14	
SSCAPRPN	10	
SSCAPSTN	4	
SSCAPUAR	18	
SSCARSV0	2	

Chapter 69. SSCF Information

SSCF Programming Interface Information

SSCF is a programming interface.

SSCF Heading Information

Common Name:	FAILING SVC 34 COMMANDS
Macro ID:	IEFSSCF
DSECT Name:	SSCF
Owning Component:	INITIATOR/TERMINATOR (SC1B6)
Eye-Catcher ID:	NONE
Storage Attributes:	Subpool: USER Key: USER
Size:	20 BYTES FOR SSOB1 PLUS 16 BYTES FOR SSCF
Created by:	SSI CALL USER
Pointed to by:	SSOBINDV
Serialization:	NONE
Function:	COMMAND FAIL FUNCTION

SSCF mapping

Table 270. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 270. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
  START OF SPECIFICATIONS
  MACRO NAME = IEFSSCF
  DESCRIPTIVE NAME = FAILING SVC 34 COMMANDS
  EXTERNAL CLASSIFICATION: PSPI
  END OF EXTERNAL CLASSIFICATION:
 01 PROPRIETARY STATEMENT=
   PROPRIETARY_STATEMENT
  LICENSED MATERIALS - PROPERTY OF IBM
  5695-047 (C) COPYRIGHT IBM CORP. 1977, 1990
  STATUS = HBB4410
   END_OF_PROPRIETARY_STATEMENT
   DSECT NAME = SSCF
   COMPONENT = INITIATOR/TERMINATOR (SC1B6)
   EYE CATCHER = NONE
   STORAGE ATTRIBUTES =
      SUBPOOL = USER
      KEY = USER
   SIZE = 20 BYTES FOR SSOB1 PLUS 16 BYTES FOR SSCF
  FUNCTION = COMMAND FAIL FUNCTION
  INVOCATION =
              BAL - THIS MACRO MAY BE INVOKED IN ONE OF THE
                    FOLLOWING TWO WAYS:
                    1) IEFJSSOB (SF,...),CONTIG=YES/NO
                       WHERE THE VALUES WITHIN THE PAREN-
                       THESES ARE THE FUNCTION IDS FOR THE
                       SSI EXTENSIONS REQUESTED. SF IS THE
                       FUNCTION ID FOR THIS EXTENSION. THE
                       SSOB HEADER IS ALSO PRODUCED.
                       CONTIG=NO RESULTS IS A DSECT BEING
                       GENERATED WITH A NAME OF SSOBEXT
                       BETWEEN THE SSOB HEADER AND THE
                       EXTENSION(S).
                       CONTIG=YES RESULTS IN THE EXTENSION(S)
                       BEING CONTIGUOUS WITH THE SSOB HEADER.
                       THIS IS THE DEFAULT.
                    2) SSCF DSECT (OPTIONAL)
                            IEFSSCF
                       THIS WILL ONLY PRODUCE THE SF
                       EXTENSION.
                       NOTES ON THE ASSEMBLER INVOCATION:
                       - IEFSSCF REFERENCES FIELD SSOBHSIZ TO
                         DETERMINE THE TOTAL SSOB SIZE (THE
                         HEADER PLUS THE EXTENSION). THIS
                         FIELD IS DEFINED IN THE SSOB HEADER.
                       - AN 'ORG SSOBGN' APPEARS AT THE
                         BEGINNING OF IEFSSCF. IEFJSSOB
                         GENERATES THE DEFINITION OF SSOBGN.
                         IF IEFJSSOB IS NOT INVOKED, THE
                         CALLER MUST DEFINE THIS SYMBOL.
              PL/AS - %DCL SSOBCF CHAR
                      %SSOBCF='VALUE'
                          WHERE 'VALUE' = 'BASED' OR 'BDY(WORD)'
                      THEN CODE EITHER OF THE FOLLOWING:
                      %INCLUDE SYSLIB(IEFJSSOB)
                          OR
```

Table 270. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		%INCLUDE SYSLIB(IEFSSCF) CREATED-BY = SSI CALL USER POINTED-TO-BY = SSOBINDV LOCATION = SUBPOOL AND KEY OF USER SERIALIZATION = NONE CHANGE-ACTIVITY = $L1=CNMG2MG, HBB4410, 870424, PDU9: CONSOLE MERGE STAGE II $01=OW10807, HBB4420, 951206, PDCM: START COMMAND FAILURE END OF SPECIFICATIONS (A) - New reason code for start command failure when security environment can't be established. %GOTO SSCFPLS;			
0	(0) X'20'		0	SSOBCFCD	"32" COMMAND FAIL FUNCTION (SSOBFUNC)
	COMMAND FAIL RETURN CODES (SSOBRETN)				
0	(0) X'0'		0	SSOBCFOK	"0" ISSUE SVC34 COMMAND ABORTED MESSAGE
0	(0) X'4'		0	SSOBCFNO	"4" SUPPRESS ISSUING SVC34 COMMAND ABORTED MESSAGE
0	(0) X'0'		0	SSCFBGN	"*" SSFC BEGINNING
0	(0) ADDRESS		2	SSCFLEN	SSFC EXTENSION LENGTH
2	(2) SIGNED		2	SSCFRSV0	RESERVED
4	(4) ADDRESS		4	SSCFBFAD	ADDRESS OF COMMAND BUFFER
8	(8) SIGNED		4	SSCFMRRC	RETURN CODE FROM MEMORY REQUEST, OR CSCB CREATION FAILURE CODE
	MEMORY REQUEST RETURN CODES AND FAILURE CODES				
8	(8) X'0'		0	SSCFMROK	"0" MEMORY REQUEST SUCCESSFUL
8	(8) X'4'		0	SSCFSRMN	"4" SRM PROHIBITS ADDRESS SPACE CREATION
8	(8) X'8'		0	SSCFNORS	"8" RESOURCES NOT AVAILABLE (INSUFFICIENT SQA OR NO ASID AVAILABLE)
8	(8) X'C'		0	SSCFABND	"12" UNEXPECTED ABEND IN MEMORY REQUEST
8	(8) X'20'		0	SSCFCSFL	"32" CSCB CREATION FAILURE CODE
8	(8) X'24'		0	SSCFCXFL	"36" CSXB CREATION FAILURE CODE
8	(8) X'2C'		0	SSCFSECF	"44" SECURITY ENVIRONMENT COULD NOT BE ESTABLISHED
12	(C) SIGNED		4	SSCFRSV1	RESERVED
12	(C) X'10'		0	SSCFSIZE	"*-SSCFBGN" EXTENSION LENGTH
12	(C) X'2C'		0	SSOBLN16	"SSOBHSIZ+SSCFSIZE" TOTAL SSOB LENGTH

Table 271. Cross Reference for SSCF

Name	Offset	Hex Tag
SSCFABND	8	C
SSCFBFAD	4	
SSCFBGN	0	0
SSCFCSFL	8	20
SSCFCXFL	8	24
SSCFLEN	0	

Table 271. Cross Reference for SSCF (continued)

Name	Offset	Hex Tag
SSCFMROK	8	0
SSCFMRRC	8	
SSCFNORS	8	8
SSCFRSV0	2	
SSCFRSV1	C	
SSCFSECF	8	2C
SSCFSIZE	C	10
SSCFSRMN	8	4
SSOBCFCD	0	20
SSOBCFNO	0	4
SSOBCFOK	0	0
SSOBLN16	C	2C

Chapter 70. SSCI Information

SSCI Programming Interface Information

SSCI is a programming interface.

SSCI Heading Information

Common Name:	SSOB EXTENSION FOR SUBSYS KEYWORD CONVERTER EXIT
Macro ID:	IEFSSCI
DSECT Name:	SSCI
Owning Component:	Converter/interpreter (SC1B9)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	20 bytes for SSOB plus 24 bytes for SSCI
Created by:	IEFVFA
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSCI mapping

Table 272. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

```
   START OF SPECIFICATIONS
01 DESCRIPTIVE NAME: SSOB EXTENSION FOR SUBSYS KEYWORD CONVERTER EXIT
01 MACRO NAME: IEFSSCI
01 EXTERNAL CLASSIFICATION: PI
01 END OF EXTERNAL CLASSIFICATION:
01 DSECT NAME:
     SSCI
01 PROPRIETARY STATEMENT:
01 METHOD OF ACCESS:
01 COMPONENT: Converter/interpreter (SC1B9)
01 EYE-CATCHER: None
01 STORAGE ATTRIBUTES:
02 Subpool: User subpool
02 Key: User key
01 SIZE:
      20 bytes for SSOB plus 24 bytes for SSCI
01 CREATED BY:
     IEFVFA
01 POINTED TO BY:
     SSOBINDV field of the SSOB data area
01 SERIALIZATION:
     None
01 FUNCTION:
02 Parameter list for the subsystem interface.
  END OF SPECIFICATIONS
 %GOTO SSCIPLS;
```

Table 272. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	X'26'	0	SSOBCONV	"38" CONVERTER SUBSYS EXIT (SSOBFUNC)
CONVERTER EXIT RETURN CODES (SSOBRETN)					
0	(0)	X'0'	0	SSCIRTOK	"0" SUCCESSFUL SYNTAX CHECK
0	(0)	X'4'	0	SSCICMOD	"4" SUCCESSFUL-INTERNAL TEXT MODIFIED
0	(0)	X'8'	0	SSCISYNC	"8" SYNTATICAL ERROR - CONTINUE JOB
0	(0)	X'C'	0	SSCISYNT	"12" SYNTATICAL ERROR - TERMINATE JOB
0	(0)	X'24'	0	SSCIPERR	"36" PROGRAM ERROR IN ROUTINE
0	(0)	X'0'	0	SSCIBGN	"*" CONVERTER EXTENSION BEGINNING
0	(0)	ADDRESS	2	SSCILEN	CONVERTER EXTENSION SIZE
2	(2)	BITSTRING	1	SSCIFLG1	FLAGS RESERVED
3	(3)	BITSTRING	1	SSCIFLG2	FLAGS RESERVED
4	(4)	ADDRESS	4	SSCIINTP	ADDRESS INTERNAL TEXT OF JCL STMT
8	(8)	ADDRESS	4	SSCISUBS	ADDRESS OF FIRST SUBSYS LEN/PARM
12	(C)	SIGNED	2	SSCIMLEN	MAX LENGTH OF MESSAGE
14	(E)	SIGNED	2	SSCINPRM	NUMBER OF LENGTH/PARM PAIRS IN SUBSYSTEM DATA
16	(10)	ADDRESS	4	SSCIMPTR	POINTER TO MESSAGE AREA
20	(14)	CHARACTER	4	SSCISSNM	SUBSYSTEM NAME
20	(14)	X'18'	0	SSCISIZE	"*-SSCIBGN" EXTENSION LENGTH
ERROR MESSAGE PROCESSING - FIELD SSCIMPTR POINTS TO A MESSAGE AREA CREATED BY THE CALLER IN WHICH THE SUBSYSTEM IS TO RETURN ERROR MESSAGES. - EACH MESSAGE AREA CONSISTS OF A 2 BYTE LENGTH FOLLOWED BY A MESSAGE TEXT AREA OF LENGTH DEFINED IN SSCIMLEN. - A MESSAGE IS TO BE RETURNED WHEN A NON-ZERO SSOBRETN IS RETURNED BY THE SUBSYSTEM.					
20	(14)	X'34'	0	SSOBLN19	"SSOBHSIZ+SSCISIZE" TOTOAL SSOB LENGTH

Table 273. Cross Reference for SSCI

Name	Offset	Hex Tag
SSCIBGN	0	0
SSCICMOD	0	4
SSCIFLG1	2	
SSCIFLG2	3	
SSCIINTP	4	
SSCILEN	0	
SSCIMLEN	C	
SSCIMPTR	10	
SSCINPRM	E	
SSCIPERR	0	24
SSCIRTOK	0	0
SSCISIZE	14	18

Table 273. Cross Reference for SSCI (continued)

Name	Offset	Hex Tag
SSCISSNM	14	
SSCISUBS	8	
SSCISYNC	0	8
SSCISYNT	0	C
SSOBCONV	0	26
SSOBLN19	14	34

Chapter 71. SSCM Information

SSCM Programming Interface Information

SSCM is a programming interface.

SSCM Heading Information

Common Name:	SSOB EXTENSION FOR COMMAND PROCESSING EXIT
Macro ID:	IEFSSCM
DSECT Name:	SSCM
Owning Component:	Master Scheduler (SC1B8)
Eye-Catcher ID:	SSCM Offset: 12 Length: 4
Storage Attributes:	Subpool: USER SUBPOOL AND KEY Key: USER SUBPOOL AND KEY
Size:	20 BYTES FOR SSOB PLUS 88 BYTES FOR SSCM
Created by:	IEE0403D
Pointed to by:	SSOBINDV FIELD OF THE SSOB DATA AREA
Serialization:	NONE
Function:	PARAMETER LIST FOR THE SUBSYSTEM COMMAND EXIT.

SSCM mapping

Table 274. Structure SSCMOLIB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSCMOLIB	Original command text
0	(0)	SIGNED	2	SSCMOMDL	Length of the command text
2	(2)	CHARACTER	1	SSCMOMDI(0)	Command image text
		1... .1.1		SSCMVRPL	"X'85'" VERB CODE FOR REPLY

SSCM mapping

Chapter 72. SSCU Information

SSCU Heading Information

Common Name:	SSOB Extension for Common Unallocation/JES3 Exit
Macro ID:	IEFSSCU
DSECT Name:	SSCU
Owning Component:	Allocation/unallocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	20 bytes for SSOB plus 24 bytes for SSCU
Created by:	IEFAB4A0
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSCU mapping

Table 275. Structure SSCU

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	SSCU	BEGINNING COMMON UNALLOCATION SSOB EXTENSION
0	(0)	SIGNED	2	SSCULEN	LENGTH OF SSCU
2	(2)	BITSTRING	1	SSCUFLGS	COMMON UNALLOCATION FLAGS
		1...		SSCULSCL	THIS IS THE LAST CALL FOR THE STEP, SET ON FOR EACH DD BEING UNALLOCATED AT STEP UNALLOCATION
		.111 1111		SSCURSVF	RESERVED FLAGS
3	(3)	BITSTRING	1	SSCURSV0	RESERVED
4	(4)	ADDRESS	4	SSCUPSTN	PTR TO STEP NUMBER
8	(8)	ADDRESS	4	SSCUPDDN	PTR TO DDNAME
12	(C)	ADDRESS	4	SSCUPRPN	PTR TO RELATIVE POSITION NUMBER
16	(10)	SIGNED	4	SSCURSV2	RESERVED
20	(14)	SIGNED	4	SSCURSV1	RESERVED

Table 276. Constants for SSCU

Len	Type	Value	Name	Description
2	DECIMAL	25	SSOBCUCD	COMMON UNALLOCATION

Table 277. Cross Reference for SSCU

Name	Offset	Hex Tag
SSCU	0	
SSCUFLGS	2	
SSCULEN	0	
SSCULSCL	2	80
SSCUPDDN	8	
SSCUPRPN	C	

Table 277. Cross Reference for SSCU (continued)

Name	Offset	Hex Tag
SSCUPSTN	4	
SSCURSVF	2	7F
SSCURSV0	3	
SSCURSV1	14	
SSCURSV2	10	

Chapter 73. SSCVT Information

SSCVT Programming Interface Information

ONLY the following fields are part of the programming interface information:

- SSCTLDEL
- SSCTSNAM
- SSCTSSID

SSCVT Heading Information

Common Name:	Subsystem Communications Vector Table
Macro ID:	IEFJSCVT
DSECT Name:	SSCT
Owning Component:	Subsystem Interface (SC1B6)
Eye-Catcher ID:	SSCT Offset: 0 Length: 4 bytes
Storage Attributes:	Main Storage: No Virtual Storage: Yes Auxiliary Storage: Yes Subpool: 241 Key: 0 Data Space: No Residency: BELOW
Size:	36 bytes (decimal)
Created by:	Subsystem Interface
Pointed to by:	- JESSSCT field of the JESCT data area - SSCTSCTA field of the SSCVT data area
Serialization:	The SSCVT should be accessed only through the services provided by the IEFSSI macro.
Function:	Maps information defining a subsystem

SSCVT mapping

Table 278. Structure SSCT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSCT	
0	(0)	X'0'	0	SSCTBEGN	"*"
0	(0)	CHARACTER	4	SSCTID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	4	SSCTSCTA	PTR TO NEXT SSCVT OR ZERO
8	(8)	CHARACTER	4	SSCTSNAM	SUBSYSTEM NAME
12	(C)	BITSTRING	1	SSCTFLG1	FLAGS
		1...		SSCTSFOR	"X'80'" SERIAL FIB OPERATIONS REQUIRED
		.1..		SSCTUPSS	"X'40'" USE PRIMARY SUBSYSTEM'S SERVICES FOR THIS SUBSYSTEM (E.G. SYSOUT)

Table 278. Structure SSCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		SSCTARDR	"X'20'" Subsystem supports Dynamic Allocation of a special internal reader.
		...1		SSCTLDEL	"X'10'" Subsystem is logically deleted. When this flag is set, subsystem is removed from the SSCVT chain
13	(D)	BITSTRING	1	SSCTSSID	SUBSYSTEM IDENTIFIER. SET BY SUBSYSTEM FIRST TIME IT IS INVOKED AFTER IPL
		....		SSCTUNKN	"X'00'" UNKNOWN SUBSYSTEM ID
		.... ..1.		SSCTJES2	"X'02'" JES2 SUBSYSTEM ID
		11		SSCTJES3	"X'03'" JES3 SUBSYSTEM ID
14	(E)	BITSTRING	1	SSCTRSV1(2)	RESERVED
16	(10)	ADDRESS	4	SSCTSSVT	SUBSYSTEM VECTOR TABLE POINTER
20	(14)	SIGNED	4	SSCTSUSE	RESERVED FOR SUBSYSTEM USAGE
24	(18)	ADDRESS	4	SSCTSYN	HASH TABLE SYNONYM POINTER
28	(1C)	SIGNED	4	SSCTSUS2	RESERVED FOR SUBSYSTEM USAGE
32	(20)	SIGNED	4	SSCTSCTX	Address of SSCX. Zero if subsystem does not have a SSCX.
32	(20)	X'24'	0	SSCTSIZE	"*-SSCTBEGN" SSCVT LENGTH

Table 279. Cross Reference for SSCVT

Name	Offset	Hex Tag
SSCT	0	
SSCTARDR	C	20
SSCTBEGN	0	0
SSCTFLG1	C	
SSCTID	0	E2E2C3E3
SSCTJES2	D	2
SSCTJES3	D	3
SSCTLDEL	C	10
SSCTRSV1	E	
SSCTSCTA	4	
SSCTSCTX	20	
SSCTSFOR	C	80
SSCTSIZE	20	24
SSCTSNAM	8	
SSCTSSID	D	
SSCTSSVT	10	
SSCTSUSE	14	
SSCTSUS2	1C	
SSCTSYN	18	
SSCTUNKN	D	0
SSCTUPSS	C	40

Chapter 74. SSDA Information

SSDA Heading Information

Common Name:	FUNCTIONAL EXTENSION FOR OPEN/CLOSE, CHECKPOINT/RESTART
Macro ID:	IEFSSDA
DSECT Name:	SSDA
Owning Component:	Initiator/terminator (SC1B6)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User Key: User
Size:	20 bytes for SSOB plus 28 bytes for SSDA
Created by:	IGG0193K
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSDA mapping

Table 280. Structure SSDA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	28	SSDA	DATA MANAGEMENT FUNCTION
0	(0)	SIGNED	2	SSDALEN	LENGTH OF SSDA
2	(2)	UNSIGNED	1	SSDAVER	MACRO VERSION NUMBER
3	(3)	BITSTRING	1	SSDARESF	RESTART FLAGS
		1...		SSDAAUTO	AUTO CHECKPOINT RESTART
		.1..		SSDADEFR	DEFERRED CHECKPOINT RESTART
		..11 1111		*	RESERVED
4	(4)	ADDRESS	4	SSDABUFR	4K BUFFER PTR-GOTTEN BY CHECKPT AND RESTART, USED BY SUBSYSTEM OR 256 BYTE PTR-GOTTEN BY OPEN, USED BY SUBSYSTEM FOR OPEN VERIFICATION
8	(8)	ADDRESS	4	SSDAJFCB	JFCB POINTER
12	(C)	ADDRESS	4	SSDADEBP	DEB POINTER
16	(10)	ADDRESS	4	SSDASSCM	POINTER TO SUBSYSTEM INFORMATION
20	(14)	ADDRESS	4	SSDADSAB	DSAB POINTER
24	(18)	BITSTRING	1	SSDAOCFL	OPEN/CLOSE FLAGS
		1...		SSDAOPNV	OPEN VERIFICATION
		.1..		SSDALRNS	LRECL NOT AVAILABLE, DEFAULTED BY OPEN
25	(19)	CHARACTER	3	SSDARSV2	RESERVED

Table 281. Constants for SSDA

Len	Type	Value	Name	Description
2	DECIMAL	16	SSOBOPEN	OPEN FUNCTION ID
2	DECIMAL	17	SSOBCLOS	CLOSE FUNCTION ID
2	DECIMAL	18	SSOBCKPT	CHECKPOINT FUNCTION ID
2	DECIMAL	19	SSOBREST	RESTART FUNCTION ID

Table 281. Constants for SSDA (continued)

Len	Type	Value	Name	Description
	OPEN/CLOSE, C/R RETURN CODES (SSOBRETN)			
4	DECIMAL	0	SSDMOK	REQUEST SUCCESSFUL YM02677
4	DECIMAL	4	SSDMFAIL	REQUEST UNSUCCESSFUL YM02677
	ADDITIONAL DATA FOR THIS EXTENSION			
1	DECIMAL	2	SSDACVER	CURRENT VERSION NUMBER

Table 282. Cross Reference for SSDA

Name	Offset	Hex Tag
SSDA	0	
SSDAAUTO	3	80
SSDABUFR	4	
SSDADEBP	C	
SSDADEFR	3	40
SSDADSAB	14	
SSDAJFCB	8	
SSDALEN	0	
SSDALRNS	18	40
SSDAOCFL	18	
SSDAOPNV	18	80
SSDARESF	3	
SSDARSV2	19	
SSDASSCM	10	
SSDAVER	2	

Chapter 75. SSDD Information

SSDD Heading Information

Common Name:	SSOB Extension for Change DDname/JES3 Exit
Macro ID:	IEFSSDD
DSECT Name:	SSDD
Owning Component:	Allocation/unallocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	20 bytes for SSOB plus 16 bytes for SSDD
Created by:	IEFDB4FB
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSDD mapping

Table 283. Structure SSDD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	SSDD	BEGINNING CHANGE DDNAME SSOB EXTENSION
0	(0)	SIGNED	2	SSDDLEN	LENGTH OF SSDD
2	(2)	SIGNED	2	SSDDRSV0	RESERVED
4	(4)	SIGNED	4	SSDDNUMB	NUMBER OF CHANGED DDNAMES
8	(8)	ADDRESS	4	SSDDNPTR	PTR TO DDNAME INFO
12	(C)	SIGNED	4	SSDDRSV1	RESERVED

Table 284. Constants for SSDD

Len	Type	Value	Name	Description
2	DECIMAL	26	SSOBDDCD	CHANGE DDNAME ID

SSDD mapping

Chapter 76. SSDM Information

SSDM Programming Interface Information

SSDM is a programming interface.

SSDM Heading Information

Common Name:	SSOB EXTENSION FOR DELETE OPERATOR MESSAGE
Macro ID:	IEFSSDM
DSECT Name:	SSDM
Owning Component:	Consoles (SC1CK)
Eye-Catcher ID:	'SSDM' Offset: '0C'x Length: 4
Storage Attributes:	Subpool: 229 Key: 0 Residency: 24-bit addressability
Size:	17 bytes
Created by:	CNZS1SSD
Pointed to by:	n/a
Serialization:	None
Function:	DELETES OPERATOR MESSAGES

SSDM mapping

Table 285. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 285. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
Start of Specifications Macro Name: IEFSSDM Descriptive Name: SSOB EXTENSION FOR DELETE OPERATOR MESSAGE EXTERNAL CLASSIFICATION: PI END OF EXTERNAL CLASSIFICATION: 01 PROPRIETARY STATEMENT= PROPRIETARY_STATEMENT LICENSED MATERIALS - PROPERTY OF IBM 5694-A01 (C) COPYRIGHT IBM CORP. 1986, 2008 STATUS= HBB7750 END_OF_PROPRIETARY_STATEMENT Function: DELETES OPERATOR MESSAGES DSECT Name: SSDM Eye Catcher: 'SSDM' Offset: '0C'x Length: 4 Main Storage: Subpool: 229 Key: 0 Residency: 24-bit addressability Size: 17 bytes Component: Consoles (SC1CK) Invocation: INVOKED VIA IEFJSSOB MACRO Created-By: CNZS1SSD Location: SUBPOOL AND KEY OF CREATOR Pointed To By: n/a Serialization: None Change Activity: $Mac(IEFSSDM),COMP(SC1CK): DOM for SSI $L1=COEXDOM, JBB2220, 840801, PDFB: JES3/MCS COEXISTENCE $D1=DCR028, JBB2220, 841128, PDFB: DOWNWARD COMMUNICATION OF MESSAGE DELETION REQUESTS $P1=ME07742, HBB7750, 060917, PDSS: Ensure EMCS console ENQ released on Memterm End of Specifications %GOTO SSDMPLS;					
0	(0)	X'E'	0	SSOBDOM	"14" DOM FUNCTION ID (SSOBFUNC)
DOM RETURN CODES (SSOBRETN) - NO DOM RETURN CODES CURRENTLY DEFINED					
0	(0)	X'0'	0	SSDMBGN	"*"
0	(0)	ADDRESS	2	SSDMLEN	DOM EXTENSION LENGTH
2	(2)	BITSTRING	1	SSDMFLG1	FLAGS BYTE
		1...		SSDMSEND	"X'80'" DOM REQUEST SHOULD BE COMMUNICATED TO OTHER SYSTEMS
3	(3)	BITSTRING	1	SSDMRES2	RESERVED
4	(4)	ADDRESS	4	SSDMDMCB	DOM CONTROL BLOCK ADDRESS (DOMC SECTION OF THE DOMCB)
8	(8)	ADDRESS	4	SSDMDMC2	DOM CONTROL BLOCK ADDRESS (ENTIRE DOMCB)
12	(C)	CHARACTER	4	SSDMACRN	CONTROL BLOCK ACRONYM - 'SSDM'
16	(10)	BITSTRING	1	SSDMVRSN	VERSION LEVEL
16	(10)	X'1'	0	SSDMSP22	"1" VERSION LEVEL FOR OS/VS2 JBB2220
16	(10)	X'1'	0	SSDMVRID	"SSDMSP22" VERSION LEVEL-UPDATED FOR SIZE OR INCOMPATIBLE CHANGE
16	(10)	X'11'	0	SSDMSIZE	"*-SSDMBGN" DOM EXTENSION LENGTH

Table 285. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
16	(10)	X'2D'	0	SSOBLENA	"SSOBHSIZ+SSDMSIZE" TOTAL SSOB LENGTH

Table 286. Cross Reference for SSDM

Name	Offset	Hex Tag
SSDMACRN	C	
SSDMBGN	0	0
SSDMDMCB	4	
SSDMDMC2	8	
SSDMFLG1	2	
SSDMLEN	0	
SSDMRES2	3	
SSDMSEND	2	80
SSDMSIZE	10	11
SSDMSP22	10	1
SSDMVRID	10	1
SSDMVRSN	10	
SSOBDOM	0	E
SSOBLENA	10	2D

Chapter 77. SSDR Information

SSDR Heading Information

Common Name:	SSOB Extension for DDR
Macro ID:	IEFSSDR
DSECT Name:	SSDR
Owning Component:	Dynamic Device Reconfiguration (BB1CS)
Eye-Catcher ID:	SSDR Offset: 0 Length: 4-Bytes
Storage Attributes:	Main Storage: n/a Virtual Storage: Yes Auxiliary Storage: n/a Subpool: User Key: User Data Space: n/a Residency: n/a
Size:	16-Bytes
Created by:	IGFDI0
Pointed to by:	SSOBINDV field of the SSOB data area (Mapped by IEFSSOBH)
Serialization:	None
Function:	Maps the extension area of the Subsystems Options Block. Also defines constants used by the SSOB.

SSDR mapping

Table 287. Structure SSDR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	SSDR	BEGINNING SSOBDR EXTENSION
0	(0)	SIGNED	2	SSDRLEN	LENGTH OF SSDR
2	(2)	BITSTRING	1	SSDRFLG1	SSDR FLAG BYTE 1
		1111		*	BITS 0-3 UNUSED
		 1111		SSDRXRCM	BITS 4-7 RESERVED FOR SSOBDDRx RETURN CODE MODIFIERS
3	(3)	BITSTRING	1	SSDRFLG2	SSDR FLAG BYTE 2
		1111		*	RESERVED FOR SSOBDDR3
		.... 1...		SSDR4SWP	FOR FUNCTION 4 ONLY - IF ON, SWAP SUCCESSFUL - IF OFF, SWAP UNSUCCESSFUL
		.... .1..		SSDRHSWP	Swap initiated by hyperswap
4	(4)	ADDRESS	4	SSDRSFRU	PTR TO SWAP FROM UCB
8	(8)	ADDRESS	4	SSDRSTOU	PTR TO SWAP TO UCB
12	(C)	ADDRESS	4	SSDRUCBL	PTR TO JES3 UCB LIST (FULLWORD UCB ADDRESSES, ENDED BY X'FFFFFFFF')

SSDR mapping

Table 288. Constants for SSDR

Len	Type	Value	Name	Description
2	DECIMAL	28	SSOBDDR1	DDR DEVICE CANDIDATE SELECTION FUNCTION
2	DECIMAL	29	SSOBDDR2	DDR DEVICE CANDIDATE VERIFICATION FUNCTION
2	DECIMAL	30	SSOBDDR3	DDR UCB SWAP NOTIFICATION FUNCTION
2	DECIMAL	31	SSOBDDR4	DDR SWAP COMPLETION FUNCTION
	RETURN CODES FOR SSOBDDR1 FUNCTION			
4	DECIMAL	0	SSDR1EDL	LIST OF ELIGIBLE DEVICES IS RETURNED
4	DECIMAL	4	SSDR1IDL	LIST OF INELIGIBLE DEVICES IS RETURNED
4	DECIMAL	8	SSDR1NOL	NO LIST RETURNED, NO MORE DEVICES ELIGIBLE
	RETURN CODES FOR SSOBDDR2 FUNCTION			
4	DECIMAL	0	SSDR2ED	CANDIDATE IS AN ELIGIBLE DEVICE
4	DECIMAL	4	SSDR2ID	CANDIDATE IS AN INELIGIBLE DEVICE
	RETURN CODE MODIFIERS FOR SSOBDDR2 FUNCTION			
1	DECIMAL	1	SSDRDUSE	JES3 DEVICE-IN-USE
1	DECIMAL	2	SSDRDOFL	JES3 DEVICE-OFFLINE
1	DECIMAL	3	SSDRDONL	JES3 DEVICE-ONLINE

Table 289. Cross Reference for SSDR

Name	Offset	Hex Tag
SSDR	0	
SSDRFLG1	2	
SSDRFLG2	3	
SSDRHSWP	3	04
SSDRLEN	0	
SSDRSFRU	4	
SSDRSTOU	8	
SSDRUCBL	C	
SSDRXRCM	2	0F
SSDR4SWP	3	08

Chapter 78. SSDY Information

SSDY Programming Interface Information

SSDY is a programming interface.

SSDY Heading Information

Common Name:	SSOB Extension for Dynamic Allocation JES3
Macro ID:	IEFSSDY
DSECT Name:	SSDY
Owning Component:	Allocation/unallocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	24 bytes
Created by:	IEFDB413
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSDY mapping

Table 290. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

```
   START OF SPECIFICATIONS
01 DESCRIPTIVE NAME: SSOB Extension for Dynamic Allocation JES3
01 MACRO NAME: IEFSSDY
01 EXTERNAL CLASSIFICATION: PI
01 END OF EXTERNAL CLASSIFICATION:
01 DSECT NAME:
     SSDY
01 PROPRIETARY STATEMENT:
01 METHOD OF ACCESS:
01 COMPONENT: Allocation/unallocation (SC1B4)
01 EYE-CATCHER: None
01 STORAGE ATTRIBUTES:
02 Subpool: User subpool
02 Key: User key
01 SIZE:
      24 bytes
01 CREATED BY:
     IEFDB413
01 POINTED TO BY:
     SSOBINDV field of the SSOB data area
01 SERIALIZATION:
     None
01 FUNCTION:
02 Parameter list for the subsystem interface.
  END OF SPECIFICATIONS
 %GOTO SSDYPLS;
```

Table 290. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	X'17'	0	SSOBDYCD	"23" DYNAMIC ALLOCATION FUNCTION ID (SSOBFUNC)
DYNAMIC ALLOCATION RETURN CODES (SSOBRETN)					
0	(0)	X'0'	0	SSDYSUCC	"0" SUCCESSFUL
0	(0)	X'4'	0	SSDYVNMT	"4" REQUESTED VOLUME NOT MOUNTED (VOLUME MOUNTING NOT ALLOWED)
0	(0)	X'8'	0	SSDYVBUS	"8" VOLUME BUSY (WAITING FOR VOLUME IS NOT ALLOWED)
0	(0)	X'C'	0	SSDYUNAV	"12" REQUESTED VOLUME UNAVAILABLE (VOLUME FOUND IN THE JES3 VOLUME UNAVAILABLE TABLE)
0	(0)	X'10'	0	SSDYDBUS	"16" REQUESTED DATA SET BUSY (WAITING FOR DATASET NOT ALLOWED)
0	(0)	X'14'	0	SSDYNUNT	"20" REQUESTED UNIT(S) NOT AVAILABLE (NO UNIT(S) OF TYPE AVAILABLE FOR USE)
0	(0)	X'18'	0	SSDYNEDP	"24" NOT ENOUGH DEVICES OF TYPE REQUESTED EXIST ON THE PROCESSOR FROM WHICH THE ALLOCATION REQUEST ORIGINATED
0	(0)	X'1C'	0	SSDYCNCL	"28" REQUEST CANCELLED BY OPERATOR
0	(0)	X'0'	0	SSDYBGN	"*" DYNAMIC ALLOCATION BEGINNING
0	(0)	ADDRESS	2	SSDYLEN	DYNAMIC ALLOCATION EXTENSION LENGTH
2	(2)	SIGNED	2	SSDYRSV0	RESERVED
4	(4)	ADDRESS	4	SSDYSIOT	POINTER TO 1ST SIOT
8	(8)	ADDRESS	4	SSDYPFLG	POINTER TO FLAG FIELD
12	(C)	SIGNED	4	SSDYSTFL	POINTER TO A SIOT IN ERROR
16	(10)	SIGNED	4	SSDYRSV2	RESERVED
20	(14)	SIGNED	4	SSDYRSV1	RESERVED
20	(14)	X'18'	0	SSDYSIZE	"*-SSDYBGN" EXTENSION LENGTH
20	(14)	X'34'	0	SSOBLN10	"SSOBHSIZ+SSDYSIZE" TOTAL SSOB LENGTH

Table 291. Cross Reference for SSDY

Name	Offset	Hex Tag
SSDYBGN	0	0
SSDYCNCL	0	1C
SSDYDBUS	0	10
SSDYLEN	0	
SSDYNEDP	0	18
SSDYNUNT	0	14
SSDYPFLG	8	
SSDYRSV0	2	
SSDYRSV1	14	
SSDYRSV2	10	
SSDYSIOT	4	
SSDYSIZE	14	18

Table 291. Cross Reference for SSDY (continued)

Name	Offset	Hex Tag
SSDYSTFL	C	
SSDYSUCC	0	0
SSDYUNAV	0	C
SSDYVBUS	0	8
SSDYVNMT	0	4
SSOBDYCD	0	17
SSOBLN10	14	34

SSDY mapping

Chapter 79. SSEN Information

SSEN Programming Interface Information

SSEN is a programming interface.

SSEN Heading Information

Common Name:	SSOB Extension for End of Memory
Macro ID:	IEFSSEN
DSECT Name:	SSEN
Owning Component:	Allocation/unallocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	20 bytes for SSOB plus 16 bytes for SSEN
Created by:	IEFJRECM
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSEN mapping

Table 292. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

```
   START OF SPECIFICATIONS
01 DESCRIPTIVE NAME: SSOB Extension for End of Memory
01 MACRO NAME: IEFSSEN
01 EXTERNAL CLASSIFICATION: PI
01 END OF EXTERNAL CLASSIFICATION:
01 DSECT NAME:
     SSEN
01 PROPRIETARY STATEMENT:
01 METHOD OF ACCESS:
01 COMPONENT: Allocation/unallocation (SC1B4)
01 EYE-CATCHER: None
01 STORAGE ATTRIBUTES:
02 Subpool: User subpool
02 Key: User key
01 SIZE:
      20 bytes for SSOB plus 16 bytes for SSEN
01 CREATED BY:
     IEFJRECM
01 POINTED TO BY:
     SSOBINDV field of the SSOB data area
01 SERIALIZATION:
     None
01 FUNCTION:
02 Parameter list for the subsystem interface.
  END OF SPECIFICATIONS
   %GOTO SSENPLS;
```

0	(0)	X'8'	0	SSOBEOM	"8" EOM FUNCTION ID (SSOBFUNC)

Table 292. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
EOM RETURN CODES (SSOBRETN) NO EOM RETURN CODES CURRENTLY DEFINED					
0	(0)	X'0'	0	SSENBGN	"*"
0	(0)	ADDRESS	2	SSENLEN	EOM EXTENSION LENGTH
2	(2)	SIGNED	2	SSENRESV	RESERVED
4	(4)	SIGNED	2	SSENASID	ASID OF TERMINATING MEMORY
6	(6)	BITSTRING	1	SSENFLAG	END OF MEMORY FLAGS
		1...		SSENTYPE	"X'80'" ON - ABNORMAL MEMORY TERMINATION OFF- NORMAL MEMORY TERMINATION
7	(7)	BITSTRING	1	SSENRSV1	RESERVED
8	(8)	ADDRESS	4	SSENJBNM	JOBNAME LIST POINTER - EACH JOBNAME ENTRY IS 12 BYTES - 1ST 4 BYTES - PTR TO NEXT JOBNAME ENTRY (LAST ENTRY CONTAINS ZEROS IN 1ST 4 BYTES) LAST 8 BYTES - JOBNAME ASSOCIATED WITH TERMINATING MEMORY
12	(C)	ADDRESS	4	SSENASCB	ASCB ADDRESS OF TERMINATING MEMORY
12	(C)	X'10'	0	SSENSIZE	"*-SSENBGN" EOM EXTENSION LENGTH
12	(C)	X'2C'	0	SSOBLEN5	"SSOBHSIZ+SSENSIZE" TOTAL SSOB LENGTH

Table 293. Cross Reference for SSEN

Name	Offset	Hex Tag
SSENASCB	C	
SSENASID	4	
SSENBGN	0	0
SSENFLAG	6	
SSENJBNM	8	
SSENLEN	0	
SSENRESV	2	
SSENRSV1	7	
SSENSIZE	C	10
SSENTYPE	6	80
SSOBEOM	0	8
SSOBLEN5	C	2C

Chapter 80. SSET Information

SSET Programming Interface Information

SSET is a programming interface.

SSET Heading Information

Common Name:	SSOB Extension for End of Task
Macro ID:	IEFSSET
DSECT Name:	SSET
Owning Component:	Initiator/terminator (SC1B6)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	20 bytes for SSOB plus 16 bytes for SSET
Created by:	IEFJRECM, IEFJRECF
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSET mapping

Table 294. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

```
   START OF SPECIFICATIONS
01 DESCRIPTIVE NAME: SSOB Extension for End of Task
01 MACRO NAME: IEFSSET
01 EXTERNAL CLASSIFICATION: PI
01 END OF EXTERNAL CLASSIFICATION:
01 DSECT NAME:
     SSET
01 PROPRIETARY STATEMENT:
01 METHOD OF ACCESS:
01 COMPONENT: Initiator/terminator (SC1B6)
01 EYE-CATCHER: None
01 STORAGE ATTRIBUTES:
02 Subpool: User subpool
02 Key: User key
01 SIZE:
      20 bytes for SSOB plus 16 bytes for SSET
01 CREATED BY:
     IEFJRECM, IEFJRECF
01 POINTED TO BY:
     SSOBINDV field of the SSOB data area
01 SERIALIZATION:
     None
01 FUNCTION:
02 Parameter list for the subsystem interface.
  END OF SPECIFICATIONS
 %GOTO SSETPLS;
```

0	(0)	X'4'	0	SSOBEOT	"4" EOT FUNCTION ID (SSOBFUNC)

Table 294. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	X'32'	0	SSOBFEOT	"50" EOT FUNCTION ID (SSOBFUNC)
EOT RETURN CODES (SSOBRETN) - NO EOT RETURN CODES CURRENTLY DEFINED					
0	(0)	X'0'	0	SSETBGN	"*"
0	(0)	ADDRESS	2	SSETLEN	EOT EXTENSION LENGTH
2	(2)	SIGNED	2	SSETRSV0	RESERVED
4	(4)	SIGNED	2	SSETASID	ASID OF MEMORY IN WHICH TASK WAS ACTIVE
6	(6)	BITSTRING	1	SSETFLAG	END OF TASK FLAGS -
		1...		SSETYPE	"X'80'" ON - ABNORMAL TASK TERMINATION OFF- NORMAL TASK TERMINATION
7	(7)	BITSTRING	1	SSETRSV1	RESERVED
8	(8)	ADDRESS	4	SSETCBA	ADDRESS OF TERMINATING TCB
12	(C)	ADDRESS	4	SSETASCB	ASCB ADDRESS OF TERMINATING TASK'S MEMORY
12	(C)	X'10'	0	SSETSIZE	"*-SSETBGN" EOT EXTENSION LENGTH
12	(C)	X'2C'	0	SSOBLEND	"SSOBHSIZ+SSETSIZE" TOTAL SSOB LENGTH

Table 295. Cross Reference for SSET

Name	Offset	Hex Tag
SSETASCB	C	
SSETASID	4	
SSETBGN	0	0
SSETCBA	8	
SSETFLAG	6	
SSETLEN	0	
SSETRSV0	2	
SSETRSV1	7	
SSETSIZE	C	10
SSETYPE	6	80
SSOBEOT	0	4
SSOBFEOT	0	32
SSOBLEND	C	2C

Chapter 81. SSGC Information

SSGC Programming Interface Information

SSGC is a programming interface.

SSGC Heading Information

Common Name:	SSOB functional extension for Generic Connect
Macro ID:	IEFSSGC
DSECT Name:	SSGC (when specified by user)
Owning Component:	Subsystem Interface (SC1B6)
Eye-Catcher ID:	SSGC Offset: 4 Length: 4 bytes
Storage Attributes:	Subpool: User subpool Key: User key Residency: Any
Size:	40 bytes (decimal)
Created by:	The invoker of IEFSSREQ
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	SSOB extension used for the Generic Connect subsystem function. The Generic Connect function is to be used when a subsystem's supporting address-space wishes to notify the subsystem that it is now active or inactive.

SSGC mapping

Table 296. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 296. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
     START OF SPECIFICATIONS
  01 MACRO NAME = IEFSSGC
  01 ACRONYM = SSGC
  01 DESCRIPTIVE NAME = SSOB functional extension for
                        Generic Connect
  01 PROPRIETARY STATEMENT=
    PROPRIETARY_STATEMENT
   LICENSED MATERIALS - PROPERTY OF IBM
   THIS MACRO IS "RESTRICTED MATERIALS OF IBM"
   5655-068 (C) COPYRIGHT IBM CORP. 1990, 1994
   SEE COPYRIGHT INSTRUCTIONS
   STATUS= HBB5520
    END_OF_PROPRIETARY_STATEMENT
  01 FUNCTION =
          SSOB extension used for the Generic Connect subsystem
          function.
          The Generic Connect function is to be used when a
          subsystem's supporting address-space wishes to notify
          the subsystem that it is now active or inactive.
  01 EXTERNAL CLASSIFICATION: PSPI
  01 END OF EXTERNAL CLASSIFICATION:
  01 NOTES =
          Bilingual Mapping Macro (PL/AS and BAL)
  02 DEPENDENCIES = None
  02 RESTRICTIONS = None
     INVOCATION
  01 METHOD OF ACCESS =
  02 PL/AS =
    %SSOBGC = 'BASED' or 'BDY(WORD)' or '' (optional,
                                             '' is default)
    %INCLUDE SYSLIB(IEFSSGC)
  02 BAL =
    SSGC DSECT (optional)
             IEFSSGC
  01 DSECT NAME = SSGC (when specified by user)
  01 COMPONENT = Subsystem Interface (SC1B6)
  01 EYE CATCHER = SSGC
  02 OFFSET = 4
  02 LENGTH = 4 bytes
  01 CREATED BY = The invoker of IEFSSREQ
  01 POINTED TO BY =
            SSOBINDV field of the SSOB data area
  01 DELETED BY = The invoker of IEFSSREQ
  01 SERIALIZATION = None
  01 STORAGE ATTRIBUTES =
  02 ALLOCATION METHOD = Any
  02 SUBPOOL = User subpool
  02 KEY = User key
  02 RESIDENCY = Any
  01 SIZE = 40 bytes (decimal)
  01 FREQUENCY: 1 per Generic Connect SSI request
  01 DISTRIBUTION LIBRARY = AMACLIB
  01 CHANGE ACTIVITY = D0,P1
    $D0= DCR0241 HBB4410 890918 PDB2: DD limit SPE
```

```
    $P1= PIG1423 HBB5510 930715 PDBN: SHOWHDR format complete
      END OF SPECIFICATIONS
   A 000000-999999 - Generic Connect
   C Updated prologue with CDPI information and additional
     SHOWHDR information.
 %GOTO SSGCPLS;
     GENERIC CONNECT SSOB FUNCTION ID (SSOBFUNC)
```

Table 296. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	X'49'	0	SSOBGCON	"73" Subsystem generic connect
GENERIC CONNECT RETURN CODES (SSOBRETN)					
0	(0)	X'0'	0	SSGCOK	"0" Successful
0	(0)	X'4'	0	SSGCERR	"4" Error occurred
0	(0)	SIGNED	4	SSGCBGN(0)	Start of Generic Connect
0	(0)	ADDRESS	2	SSGCLEN	Length of extension
2	(2)	ADDRESS	1		Reserved
3	(3)	ADDRESS	1	SSGCVER	Version of extension
4	(4)	CHARACTER	4	SSGCID	Extension identifier
8	(8)	ADDRESS	2	SSGCFUNC	Subfunction request
8	(8)	X'4'	0	SSGCCNCT	"4" Connect
8	(8)	X'8'	0	SSGCDSCT	"8" Disconnect
8	(8)	X'C'	0	SSGCQURY	"12" Query
10	(A)	ADDRESS	2	SSGCERCD	Error code
10	(A)	X'0'	0	SSGCRQOK	"0" Request successful
10	(A)	X'4'	0	SSGCNOTC	"4" Address-space not connected
10	(A)	X'8'	0	SSGCINVF	"8" Invalid sub-function
12	(C)	BITSTRING	1	SSGCTYPE	Subsystem type
		1...		SSGCCICS	"X'80'" CICS request
13	(D)	BITSTRING	1		Reserved
14	(E)	ADDRESS	2	SSGCASID	Address space identifier
16	(10)	CHARACTER	8	SSGCJBNM	Jobname
24	(18)	CHARACTER	8		Reserved
32	(20)	ADDRESS	4	SSGCUSR1	Subsystem use 1
36	(24)	ADDRESS	4	SSGCUSR2	Subsystem use 2
36	(24)	X'28'	0	SSGCSIZE	"*-SSGCBGN" Extension length

Table 297. Cross Reference for SSGC

Name	Offset	Hex Tag
SSGCASID	E	
SSGCBGN	0	
SSGCCICS	C	80
SSGCCNCT	8	4
SSGCDSCT	8	8
SSGCERCD	A	
SSGCERR	0	4
SSGCFUNC	8	
SSGCID	4	E2E2C7C3
SSGCINVF	A	8
SSGCJBNM	10	40404040
SSGCLEN	0	
SSGCNOTC	A	4
SSGCOK	0	0
SSGCQURY	8	C
SSGCRQOK	A	0
SSGCSIZE	24	28
SSGCTYPE	C	0
SSGCUSR1	20	

Table 297. Cross Reference for SSGC (continued)

Name	Offset	Hex Tag
SSGCUSR2	24	
SSGCVER	3	
SSOBGCON	0	49

Chapter 82. SSIB Information

SSIB Programming Interface Information

ONLY the following fields are part of the programming interface information:

- SSIBID
- SSIBJBID
- SSIBLEN
- SSIBSIZE
- SSIBSSNM
- SSIBSUSE

SSIB Heading Information

Common Name:	Subsystem Identification Block (SSIB)
Macro ID:	IEFJSSIB
DSECT Name:	SSIB
Owning Component:	Subsystem Interface (SC1B6)
Eye-Catcher ID:	'SSIB' Offset: 0 Length: 4 bytes
Storage Attributes:	Subpool: User's subpool Key: User's key Residency: Any
Size:	36 bytes Frequency: 1 per IEFSSREQ request
Created by:	Invoker of IEFSSREQ
Pointed to by:	SSOBSSIB field of the SSOB data area
Serialization:	None
Function:	Identifies the subsystem to which a request for services is being made. Also contains common control information passed between the requestor and the subsystem.

SSIB mapping

Table 298. Structure SSIB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSIB	
0	(0)	X'0'	0	SSIBEGIN	"*"
0	(0)	CHARACTER	4	SSIBID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	2	SSIBLEN	SSIB LENGTH
6	(6)	BITSTRING	1	SSIBFLG1	FLAGS
		1...		SSIBPJES	"X'80'" THIS SSIB IS USED TO START THE JOB ENTRY SUBSYSTEM
		.1..		SSIBNSVC	"X'40'" NO SVC INDICATOR

Table 298. Structure SSIB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
7	(7)	BITSTRING	1	SSIBSSID	SUBSYSTEM IDENTIFIER. SET IN IEFJSCVT BY SUBSYSTEM FIRST TIME IT IS INVOKED AFTER IPL. SET IN SSIB BY SUBSYSTEM INTERFACE
		....		SSIBUNKN	"X'00'" UNKNOWN SUBSYSTEM ID
		.... ..1.		SSIBJES2	"X'02'" JES2 SUBSYSTEM ID
		11		SSIBJES3	"X'03'" JES3 SUBSYSTEM ID
8	(8)	CHARACTER	4	SSIBSSNM	Subsystem name to which a request for services is being made
12	(C)	CHARACTER	8	SSIBJBID	Job Identifier or Subsystem name to be verified
20	(14)	CHARACTER	8	SSIBDEST	DEFAULT USERID FOR SYSOUT DESTINATION
28	(1C)	SIGNED	4	SSIBRSV1	RESERVED
32	(20)	SIGNED	4	SSIBSUSE	RESERVED FOR SUBSYSTEM USAGE
32	(20)	X'24'	0	SSIBSIZE	"*-SSIBEGIN" SSIB LENGTH

Table 299. Cross Reference for SSIB

Name	Offset	Hex Tag
SSIB	0	
SSIBDEST	14	
SSIBEGIN	0	0
SSIBFLG1	6	
SSIBID	0	E2E2C9C2
SSIBJBID	C	
SSIBJES2	7	2
SSIBJES3	7	3
SSIBLEN	4	
SSIBNSVC	6	40
SSIBPJES	6	80
SSIBRSV1	1C	
SSIBSIZE	20	24
SSIBSSID	7	
SSIBSSNM	8	
SSIBSUSE	20	
SSIBUNKN	7	0

Chapter 83. SSJI Information

SSJI Programming Interface Information

SSJI Heading Information

Common Name:	SSOB Extension for the JES Job Information Service
Macro ID:	IAZSSJI
DSECT Name:	SSJI
Owning Component:	JES Common (SC141)
Eye-Catcher ID:	SSJI Offset: 0 Length: 4
Storage Attributes:	Subpool: caller Key: Any Residency: Any
Size:	See SSJISIZE equate
Created by:	Caller of SSI function 'SSOBSSJI' = 71
Pointed to by:	SSOBINDV in the IEFSSOBH mapping macro
Serialization:	None required
Function:	Defines the SSOB extension used by authorized programs to request Job Information Service from the JES checkpoint data space.

SSJI mapping

Table 300. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 300. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
        %SSJICMTS: ;
      START OF SPECIFICATIONS
01 DESCRIPTIVE NAME: SSOB Extension for the JES Job
                       Information Service
02 ACRONYM: IAZSSJI
01 MACRO NAME: IAZSSJI
01 DSECT NAME: SSJI
01 LABEL PREFIX: SSJI
01 COMPONENT ID: JES Common (SC141)
01 EXTERNAL CLASSIFICATION:
02 GUPI: BASE
02 PSPI: FIELDS
           SSJIUSER
01 END OF EXTERNAL CLASSIFICATION:
01 EYE-CATCHER: SSJI
02 OFFSET: 0
02 LENGTH: 4
01 STORAGE ATTRIBUTES:
02 SUBPOOL: caller
02 KEY: Any
02 RESIDENCY: Any
01 SIZE:
     See SSJISIZE equate
01 CREATED BY: Caller of SSI function 'SSOBSSJI' = 71
01 POINTED TO BY: SSOBINDV in the IEFSSOBH mapping macro
01 SERIALIZATION: None required
01 FUNCTION:
     Defines the SSOB extension used by authorized programs
     to request Job Information Service from the JES
     checkpoint data space.
01 METHOD OF ACCESS:
02 ASM:
        IAZSSJI
        Ensure that label SSOBGN is defined. This can be
        accomplished by using the IEFJSSPB macro to define
        the SSOB header along with at least one extension.
        Otherwise, define label SSOBGN immediately
        following the SSOB header.
        In addition, the SSOB header field SSOBINDV should
        always be initialized by the caller to point to
        the functional extension.
02 PL/X:
        %DCL SSJI_ATRB CHAR
        %SSJI_ATRB = 'value' (see description below)
        %INCLUDE SYSLIB(IAZSSJI)
        SSJI_ATRB is a global variable that determines
        SSJI's attributes. The variable should be set to
        a valid control block attribute such as
        'BASED(SSOBINDV)' or '' (null).
        In addition, the SSOB header field SSOBINDV should
        always be initialized by the caller to point to
        the functional extension.
01 DELETED BY: Caller of SSI
```

Table 300. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
01 FREQUENCY: 1 per call to function code 71 01 RESTRICTIONS: None END OF SPECIFICATIONS 01 CHANGE ACTIVITY: $410LCKV HBB4410 890127 STH: Checkpoint Versioning $VC1PB36=PTM HBB6603 951109 VLC: BCP Ext.Classifications $VC1P036=PTM HBB6603 951208 VLC: BCP PR20036 Ext.Class $R04LSDS=WLM HBB6604 970114 JMS: Updates for SDSF $R04LWLM=WLM HBB6604 970317 R_F: SDSF SSI functions $R04P473=WLM HBB6604 970331 J_S1: $R05P323=OPI HBB6605 970814 JMS: Fix eyecatcher offset $Z02LSIO=SPIO HBB7705 000714 ERS: Driver build $Z07LMSS=MONSSI HBB7720 030824 TJW: Monitor SSI support 01 A000000-999999 Created for MVS 4.1.0 01 NOTES: None % GOTO END_OF_ASM_SSJI; FUNCTION VALUE FOR SSOBFUNC					
0	(0)	X'47'	0	SSOBSSJI	"71" JES JOB INFORMATION USER SERVICE ID
RETURN CODE VALUES FOR SSOBRETN					
0	(0)	X'0'	0	SSJIOK	"0" REQUEST SUCCESSFUL
0	(0)	X'4'	0	SSJIERVR	"4" REQUEST COMPLETED WITH POSSIBLE ERRORS, VERSION AVAILABLE, SEE SSJIRETN FOR REASON CODE
0	(0)	X'8'	0	SSJIERRU	"8" REQUEST CANNOT BE COMPLETED DUE TO USER ERROR, NO VERSION IS AVAILABLE, SEE SSJIRETN FOR REASON CODE
0	(0)	X'C'	0	SSJIERRJ	"12" REQUEST CANNOT BE COMPLETED, CALL LEVEL 1 SERVICE, NO VERSION IS AVAILABLE, SSJIRETN CONTAINS INTERNAL JES2 REASON CODE
0	(0)	X'10'	0	SSJIPARM	"16" THE PARAMETER LIST, IE, THE SSJI EXTENSION IS AN INVALID FORMAT - IT IS NOT AN SSJI, THE SERVICE VERSION NUMBER IS NOT SUPPORTED, OR THE SSJI IS NOT LARGE ENOUGH
0	(0)	X'0'	0	SSJIBGN	"*"
0	(0)	CHARACTER	4	SSJIID	EXTENSION IDENTIFIER
4	(4)	ADDRESS	2	SSJILEN	LENGTH OF SSOB EXTENSION AREA
6	(6)	SIGNED	2	SSJISVRN	SERVICE VERSION NUMBER
6	(6)	X'1'	0	SSJISVR#	"1" SERVICE VERSION NUMBER OF THIS LEVEL OF IAZSSJI - VERSION 4.1.0 SSJISVRN MUST BE SET TO SSJISVR#
8	(8)	BITSTRING	1	SSJIFREQ	FUNCTION REQUEST BYTE
8	(8)	X'4'	0	SSJIFOBT	"4" FUNCTION REQUEST_OBTAIN
8	(8)	X'8'	0	SSJIFREL	"8" FUNCTION REQUEST_RELEASE
8	(8)	X'C'	0	SSJIFJCO	"12" Function Jobclass_Data Obtain

Table 300. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	X'10'	0	SSJIFJCR	"16" Function Jobclass_Data Return
8	(8)	X'14'	0	SSJISIOM	"20" Function SPOOL I/O: obtain control block
8	(8)	X'18'	0	SSJISIRS	"24" Function SPOOL I/O: return storage
8	(8)	X'1C'	0	SSJICVDV	"28" Function Convert Device ID
8	(8)	X'20'	0	SSJIMNOD	"32" Function Monitor info obtain data
8	(8)	X'24'	0	SSJIMNRS	"36" Function Monitor info return storage
9	(9)	BITSTRING	3	SSJIRSV1	RESERVED
		SSJIRETN provides additional information for some values of SSOBRETN. The meaning of the return return codes is based on the value in SSOBRETN and the function being requested (SSJIFREQ). When SSOBRETN is SSJIERRJ (12) an internal error has occured and the return code in SSJIRETN will be set to 128 or greater. Internal errors can occur if you request a function at the same time the corresponding JES is terminating. For other cases, you can contact IBM support for further information. Additional SSJIRETN values can be found in the following data areas (based on function code): Related Function code data area Description SSJISIOM (20) IAZSPLIO Read SPOOL block SSJISIRS (24) IAZSPLIO Free SPOOL block storage SSJICVDV (28) IAZCVDEV Function Convert Device ID SSJIMNOD (32) IAZMOND Monitor data obtain SSJIMNRS (36) IAZMOND Monitor data return			
12	(C)	SIGNED	4	SSJIRETN	REASON CODE FOR ERROR RETURN CODE
		Values of SSJIRETN when SSOBRETN is SSJIERVR (4) for function (values of SSJIFREQ) SSJIFOBT and SSJIFREL.			
12	(C)	X'14'	0	SSJIOLDD	"20" The data may be obsolete
		Values of SSJIRETN when SSOBRETN is SSJIERRU (8) for all functions (values of SSJIFREQ)			
12	(C)	X'4'	0	SSJIUNSF	"4" Function code passed in SSJIFREQ is not supported
12	(C)	X'18'	0	SSJINTDS	"24" SSJIUSER does not point to the correct data area
12	(C)	X'1C'	0	SSJIUNSD	"28" SSJIUSER CB version number is not correct
12	(C)	X'20'	0	SSJISMDS	"32" SSJIUSER CB length is too small
		Values of SSJIRETN when SSOBRETN is SSJIERRU (8) for function (values of SSJIFREQ) SSJIFOBT, SSJIFREL, SSJIFJCO, and SSJIFJCR			
12	(C)	X'8'	0	SSJI2OBT	"8" SUCCESSIVE OBTAINS WITHOUT INTERVENING RELEASE REQUESTED

Table 300. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	X'C'	0	SSJIDISA	"12" SUBTASK DISABLED, TRY AGAIN SHORTLY
12	(C)	X'10'	0	SSJIVINA	"16" VERSIONING INACTIVE, ACTIVATE IT
12	(C)	X'24'	0	SSJIINVR	"36" INVALID INPUT DATA TO RELEASE, COULD BE SUCCESSIVE RELEASES WITHOUT INTERVENING OBTAIN OR RELEASE WITHOUT HAVING DONE OBTAIN
		This SSI function is a router for various JES requests. Each function has a related data area that must be pointed to by SSJIUSER. The mapping of the data area depends on the function code in SSJIFREQ. Related Function code data area Description SSJIFOBT (4) IAZDSERV CKPT version obtain SSJIFREL (8) IAZDSERV CKPT version return SSJIFJCO (12) IAZJBCLD JOBCLASS info obtain SSJIFJCR (16) IAZJBCLD JOBCLASS info return SSJISIOM (20) IAZSPLIO Read SPOOL block SSJISIRS (24) IAZSPLIO Free SPOOL block storage SSJICVDV (28) IAZCVDEV Convert device id SSJIMNOD (32) IAZMOND Monitor data obtain SSJIMNRS (36) IAZMOND Monitor data return			
16	(10)	SIGNED	4	SSJIUSER	POINTER TO USER PARAMETER AREA
16	(10)	X'14'	0	SSJISIZE	"*-SSJIBGN" SSOB EXTENSION LENGTH
16	(10)	X'30'	0	SSJILEN8	"SSOBHSIZ+SSJISIZE" TOTAL SSOB LENGTH W/JI EXTENSION

Table 301. Cross Reference for SSJI

Name	Offset	Hex Tag
SSJIBGN	0	0
SSJICVDV	8	1C
SSJIDISA	C	C
SSJIERRJ	0	C
SSJIERRU	0	8
SSJIERVR	0	4
SSJIFJCO	8	C
SSJIFJCR	8	10
SSJIFOBT	8	4
SSJIFREL	8	8
SSJIFREQ	8	
SSJIID	0	E2E2D1C9
SSJIINVR	C	24
SSJILEN	4	
SSJILEN8	10	30
SSJIMNOD	8	20
SSJIMNRS	8	24
SSJINTDS	C	18
SSJIOK	0	0

Table 301. Cross Reference for SSJI (continued)

Name	Offset	Hex Tag
SSJIOLDD	C	14
SSJIPARM	0	10
SSJIRETN	C	
SSJIRSV1	9	
SSJISIOM	8	14
SSJISIRS	8	18
SSJISIZE	10	14
SSJISMDS	C	20
SSJISVR#	6	1
SSJISVRN	6	
SSJIUNSD	C	1C
SSJIUNSF	C	4
SSJIUSER	10	
SSJIVINA	C	10
SSJI2OBT	C	8
SSOBSSJI	0	47

Chapter 84. SSJS Information

SSJS Heading Information

Common Name: JOB SELECT FUNCTION
Macro ID: IEFSSJS
DSECT Name: SSJS
Owning Component: SUBSYSTEM INTERFACE (SC1B6)
Eye-Catcher ID: NONE
Storage Attributes:
```
Main Storage:  NO
Virtual Storage:  YES
Auxiliary Storage:  YES
Subpool:   DETERMINED BY CALLER OF IEFSSREQ
Key:       DETERMINED BY CALLER OF IEFSSREQ
Data Space: NO
Residency: ANY
```
Size: 288 BYTES
Created by: CALLER OF IEFSSREQ
Pointed to by: - SSOBINDV
Serialization: NONE
Function: PROVIDES THE INPUT AND OUTPUT FOR THE JOB SELECT SSI FUNCTION.

SSJS mapping

Table 302. Structure SSJS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	288	SSJS	
0	(0)	SIGNED	2	SSJSLEN	LENGTH OF SSJS
2	(2)	UNSIGNED	1	SSJSVER	SSJS VERSION NUMBER
3	(3)	UNSIGNED	1	*	RESERVED
4	(4)	SIGNED	2	SSJSSTEP	STEP NO. OR ZERO
6	(6)	BITSTRING	1	SSJSFLG1	JOB DESCRIPTOR BITS
		1...		SSJSSTRS	STEP RESTART
		.1..		SSJSCHRS	CHECKPOINT/RESTART
		..1.		SSJSCNRS	CONTINUE RESTART
		...1		*	RESERVED
		.... 1...		SSJSWARM	WARM START THE JOB
		.... .1..		SSJSAIFG	ALTERNATE INTERPRETER FLAG IF ON SELECT INTERPRETER ADDRESS FROM SSJSAIAD FIELD Y02886
		.... ..1.		SSJSSWAL	ABOVE THE LINE INDICATOR FOR SELECTED SWA CONTROL BLOCKS. IF ON SELECTED SWA CONTROL BLOCKS CAN RESIDE ABOVE THE LINE.
		1		SSJSSISO	BELOW THE LINE INDICATOR FOR SYSIN AND SYSOUT SWA CONTROL BLOCKS. IF ON SYSIN/SYSOUT SWA CONTROL BLOCKS MUST RESIDE BELOW THE LINE.
7	(7)	BITSTRING	1	SSJSFLG2	FLAGS

Table 302. Structure SSJS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		SSJSBYPS	BYPASS PASSWORD CHECKING
		.1..		SSJSXBM	XBM
		..1.		SSJSCRYP	PASSWORD ENCRYPTED
		...1		SSJSWLMI	WLM MANAGED INITIATOR
		.... 1...		SSJSSCCH	SRVCLASS FOR SELECTED JOB HAS BEEN CHANGED VIA $TJ OR *F J=.
		.... .1..		SSJSDBIN	DEMAND BATCH INITIATOR. ONLY SELECT JOBS WHICH HAVE BEEN FORCED INTO EXECUTION.
		.... ..1.		SSJSDBJB	SELECTED JOB IS A DEMAND BATCH JOB.
		1		SSJSJBRQ	JOB HAS BEEN REQUEUED FOR EXECUTION.
8	(8)	ADDRESS	4	SSJSLCT	ADDRESS OF THE LCT
12	(C)	ADDRESS	4	SSJSMACB	ADDRESS OF THE MESSAGE ACB
16	(10)	ADDRESS	4	SSJSJACB	ADDRESS OF THE JOURNAL ACB
20	(14)	ADDRESS	4	SSJSTACB	ADDRESS OF INTERNAL TEXT ACB
24	(18)	ADDRESS	4	SSJSIPRM	ADDRESS OF PARAMETER FOR PHASE TWO OF THE INTERPRETER
28	(1C)	ADDRESS	4	SSJSJMR	JMR ADDRESS
32	(20)	SIGNED	4	SSJSSERR	SYSTEM ERROR RETURN CODE - FROM CONVERTER OR SWA CREATE
36	(24)	ADDRESS	4	SSJSAIAD	ALTERNATE INTERPRETER ADDRESS Y02886
40	(28)	CHARACTER	9	SSJSPASS	SECURITY PASSWORD FIELD
40	(28)	UNSIGNED	1	SSJSPSLN	PASSWORD LENGTH
41	(29)	CHARACTER	8	SSJSPSWD	SECURITY PASSWORD
49	(31)	CHARACTER	9	SSJSPAS2	NEW PASSWORD FIELD
49	(31)	UNSIGNED	1	SSJSPSL2	NEW PASSWORD LENGTH
50	(32)	CHARACTER	8	SSJSPSW2	NEW PASSWORD
58	(3A)	CHARACTER	8	SSJSCLSS	JES3 JOB CLASS
66	(42)	CHARACTER	8	SSJSJDVT	JCL DEFINITION VECTOR TABLE NAME
74	(4A)	CHARACTER	8	SSJSUSER	PROPAGATED USERID
82	(52)	CHARACTER	8	SSJSGRP	PROPAGATED GROUPID
90	(5A)	CHARACTER	80	SSJSUTOK	SECURITY TOKEN (THE LAYOUT OF THIS TOKEN IS DETERMINED BY THE SYSTEM SECURITY FACILITY SUCH AS RACF
170	(AA)	BITSTRING	1	SSJS_DSENQSHR	DSENQSHR JOBCLASS attribute NOTE: This byte must be mapped identically in IEFNEL. This byte must only be used for the DSENQSHR JOBCLASS attribute, and only updated when an additional DSENQSHR value is to be added.
		1...		SSJS_DSENQSHR_AUTO	DSENQSHR JOBCLASS attribute AUTO

Table 302. Structure SSJS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		SSJS_DSENQSHR_ALLOW	DSENQSHR JOBCLASS attribute ALLOW NOTE: ALLOW is the default for HBB7790 installations. If this is a downlevel installation, it will assume the value of DISALLOW (which is 0). Therefore, the function will always be disabled on HBB7780 & below level installations
171	(AB)	CHARACTER	1	SSJSRES2	RESERVED
172	(AC)	CHARACTER	16	SSJSWQTK	WLM BATCH JOB QUEUE TOKEN.
188	(BC)	ADDRESS	4	SSJSWECB	ADDRESS OF THE WLM ECB FOR THIS INITIATOR.
192	(C0)	BITSTRING	4	SSJSWCTK	WLM CLASSIFICATION TOKEN.
196	(C4)	SIGNED	4	SSJSPRTY	JOB PRIORITY USED FOR CLASSIFICATION.
200	(C8)	CHARACTER	8	SSJSSCLS	WLM SERVICE CLASS FOR THE JOB
208	(D0)	CHARACTER	16	SSJSSENV	WLM SCHEDULING ENVIRONMENT USED BY THIS JOB.
224	(E0)	CHARACTER	8	SSJSDBJI	JOBID OF DEMAND BATCH JOB REQUESTED.
232	(E8)	CHARACTER	24	SSJSRPTD	REPORTING DATA COLLECTED BY JES WHILE THE JOB WAS WAITING TO EXECUTE.
232	(E8)	CHARACTER	8	SSJSRHLD	DURATION JOB WAS INELIGIBLE FOR SELECTION DUE TO A HOLD.
240	(F0)	CHARACTER	8	SSJSRRSC	DURATION JOB WAS INELIGIBLE FOR SELECTION DUE TO UNSATISFIED RESOURCE REQUIREMENTS.
248	(F8)	CHARACTER	8	SSJSRTOC	DURATION JOB WAS IN CONVERSION.
256	(100)	UNSIGNED	4	SSJSSRTK	IWMCLSFY SRMTOKEN OUTPUT RETURNED TO JES WHEN THE JOB WAS CLASSIFIED.
260	(104)	CHARACTER	8	SSJSJPNM	JESPLEX NAME
268	(10C)	CHARACTER	20	SSJSFLD7	Fields related to vers 7
268	(10C)	ADDRESS	4	SSJSEACB	Eventlog ACB address
272	(110)	CHARACTER	16	*	Reserved and available
288	(120)	CHARACTER	0	SSJSEND	End of SSJS

Table 303. Constants for SSJS

Len	Type	Value	Name	Description
2	DECIMAL	5	SSOBJBSL	FUNCTION ID (SSOBFUNC)
	SUBSYSTEM JOB SELECTION RETURN CODES (SSOBRETN)			
4	DECIMAL	0	SSJSRTOK	OK-JOB HAS BEEN SELECTED
4	DECIMAL	4	SSJSISTP	INITIATOR SHOULD STOP
4	DECIMAL	8	SSJSIWLM	WLM ECB WAS POSTED
4	DECIMAL	16	SSJSYSER	SYSTEM ERROR OCCURRED DURING SUBSYSTEM PROCESSING - SYSTEM ERROR CODE IS IN SSJSSERR
4	DECIMAL	36	SSJSPERR	PROGRAM ERROR
1	DECIMAL	6	SSJSVER6	To check version 6
1	DECIMAL	7	SSJSVER7	To check version 7

Table 303. Constants for SSJS (continued)

Len	Type	Value	Name	Description
1	DECIMAL	7	SSJSCVER	CURRENT VERSION NUMBER OF SSJS

Table 304. Cross Reference for SSJS

Name	Offset	Hex Tag
SSJS	0	
SSJS_DSENQSHR	AA	
SSJS_DSENQSHR_ALLOW	AA	40
SSJS_DSENQSHR_AUTO	AA	80
SSJSAIAD	24	
SSJSAIFG	6	04
SSJSBYPS	7	80
SSJSCHRS	6	40
SSJSCLSS	3A	
SSJSCNRS	6	20
SSJSCRYP	7	20
SSJSDBIN	7	04
SSJSDBJB	7	02
SSJSDBJI	E0	
SSJSEACB	10C	
SSJSEND	120	
SSJSFLD7	10C	
SSJSFLG1	6	
SSJSFLG2	7	
SSJSGRP	52	
SSJSIPRM	18	
SSJSJACB	10	
SSJSJBRQ	7	01
SSJSJDVT	42	
SSJSJMR	1C	
SSJSJPNM	104	
SSJSLCT	8	
SSJSLEN	0	
SSJSMACB	C	
SSJSPASS	28	
SSJSPAS2	31	
SSJSPRTY	C4	
SSJSPSLN	28	
SSJSPSL2	31	
SSJSPSWD	29	
SSJSPSW2	32	
SSJSRES2	AB	
SSJSRHLD	E8	
SSJSRPTD	E8	
SSJSRRSC	F0	
SSJSRTOC	F8	
SSJSSCCH	7	08
SSJSSCLS	C8	
SSJSSENV	D0	

Table 304. Cross Reference for SSJS (continued)

Name	Offset	Hex Tag
SSJSSERR	20	
SSJSSISO	6	01
SSJSSRTK	100	
SSJSSTEP	4	
SSJSSTRS	6	80
SSJSSWAL	6	02
SSJSTACB	14	
SSJSUSER	4A	
SSJSUTOK	5A	
SSJSVER	2	
SSJSWARM	6	08
SSJSWCTK	C0	
SSJSWECB	BC	
SSJSWLMI	7	10
SSJSWQTK	AC	
SSJSXBM	7	40

Chapter 85. SSJT Information

SSJT Heading Information

Common Name:	Job Termination Function
Macro ID:	IEFSSJT
DSECT Name:	NONE
Owning Component:	Initiator/Terminator (SC1B6)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: ANY Key: KEY OF CALLER OF SSI Residency: ANY
Size:	22 (SSJTSIZE) BYTES
Created by:	IEFSD166
Pointed to by:	SSOBINDV FIELD OF THE SSOB DATA AREA
Serialization:	NONE
Function:	Parameter list for the subsystem interface Job Termination Function

SSJT mapping

Table 305. Structure SSJT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	SSJT	
0	(0)	SIGNED	2	SSJTLEN	LENGTH OF SSJT
	JOB STATUS INFORMATION				
2	(2)	BITSTRING	1	SSJTFLG1	JOB STATUS FLAGS
		1...		SSJTJFAL	JOB FAILED INDICATOR
		.1..		SSJTCFAL	JOB FAILED BECAUSE OF CONDITION CODES
		..1.		SSJTABND	JOB ABENDED,JCTABEND=ON
		...1 1111		*	RESERVED
3	(3)	BITSTRING	1	SSJTFLG2	OTHER INFORMATION
		1...		SSJTINIT	INITIATOR TERMINATING BECAUSE OF INTERNAL PROBLEMS.
4	(4)	ADDRESS	4	SSJTJMR	JMR ADDRESS
8	(8)	ADDRESS	4	SSJTPCOD	PTR TO THE 2 BYTE CONDITION CODE OR ZERO
12	(C)	ADDRESS	4	SSJTPSN1	PTR TO THE STEPNAME OF THE ABENDING STEP, IF THE JOB ABENDED OR ZERO
16	(10)	ADDRESS	4	SSJTPSN2	PTR TO THE STEPNAME OF THE STEP WHICH CALLED THE PROC OR ZERO
20	(14)	ADDRESS	4	SSJTSNUM	PTR TO THE NUMBER OF THE LAST STEP TO COMPLETE EXECUTION.

SSJT mapping

Table 306. Constants for SSJT

Len	Type	Value	Name	Description
2	DECIMAL	12	SSOBTERM	JOB DELETE FUNCTION ID (SSOBFUNC)
	JOB DELETION RETURN CODES (SSOBRETN)			
4	DECIMAL	36	SSJTPERR	PROGRAM ERROR

Table 307. Cross Reference for SSJT

Name	Offset	Hex Tag
SSJT	0	
SSJTABND	2	20
SSJTCFAL	2	40
SSJTFLG1	2	
SSJTFLG2	3	
SSJTINIT	3	80
SSJTJFAL	2	80
SSJTJMR	4	
SSJTLEN	0	
SSJTPCOD	8	
SSJTPSN1	C	
SSJTPSN2	10	
SSJTSNUM	14	

Chapter 86. SSL Information

SSL Programming Interface Information

SSL is a programming interface.

SSL Heading Information

Common Name:	SHORT PAGE SERVICE LIST
Macro ID:	IHASSL
DSECT Name:	SSL
Owning Component:	REAL STORAGE MANAGER (SC1CR)
Eye-Catcher ID:	NONE
Storage Attributes:	Virtual Storage: YES Subpool: USER SPECIFIED. Key: USER SPECIFIED. Residency: ANYWHERE
Size:	8 BYTES
Created by:	USER
Pointed to by:	REGISTER 1 (INPUT TO PAGE SERVICES)
Serialization:	NONE
Function:	DESCRIBES A RANGE OF VIRTUAL ADDRESSES TO BE PROCESSED BY EITHER FAST-PATH PAGE FIX OR PAGE FREE.

SSL mapping

Table 308. Structure SSL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSL	, SSLPTR
0	(0)	ADDRESS	4	SSLSTRT	31-BIT START ADDRESS OF THE VIRTUAL AREA TO BE FIXED OR FREED. BIT 0 IS RESERVED AND MUST BE 0.
4	(4)	BITSTRING	1	SSLFLG(0)	
		1...		SSLAST	"X'80'" IF 1, THEN THIS IS THE LAST SSL IN THE CONCATENATION OF SSLS.
4	(4)	ADDRESS	4	SSLEND	31-BIT ADDRESS OF THE FINAL BYTE OF THE VIRTUAL AREA TO BE FIXED OR FREED PLUS ONE.
8	(8)	SIGNED	4	SSLFINIS(0)	THIS IS THE END OF THE SSL
8	(8)	X'8'	0	SSLLEN	"SSLFINIS-SSL" LENGTH OF AN SSL

Chapter 87. SSNQ Information

SSNQ Heading Information

Common Name:	SSOB Extension for Dynamic Allocation Change ENQ
Macro ID:	IEFSSNQ
DSECT Name:	SSNQ
Owning Component:	Allocation/unallocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	20 bytes for SSOB plus 16 bytes for SSNQ
Created by:	IEFAB4DC
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSNQ mapping

Table 309. Structure SSNQ

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	SSNQ	
0	(0)	SIGNED	2	SSNQLEN	LENGTH OF SSNQ
2	(2)	SIGNED	2	SSNQRSV0	RESERVED
4	(4)	ADDRESS	4	SSNQDSNP	ADDR DSNAME BUFFER
8	(8)	ADDRESS	4	SSNQFLGP	ADDR FLAG FIELD
12	(C)	SIGNED	4	SSNQRSV1	RESERVED

Table 310. Constants for SSNQ

Len	Type	Value	Name	Description
2	DECIMAL	27	SSOBNQCD	CHANGE ENQ USE ATTRIBUTE FUNCTION ID
	CHANGE ENQ USE ATTRIBUTE RETURN CODES (SSOBRETN)			
4	DECIMAL	0	SSOBNQOK	ALLRIGHT TO ENQ TO CHANGE USE ATTRIBUTE
4	DECIMAL	4	SSOBNQNO	NOT CURRENTLY POSSIBLE TO CHANGE THE ENQ USE ATTRIBUTE

Chapter 88. SSNU Information

SSNU Programming Interface Information

SSNU is a programming interface.

SSNU Heading Information

Common Name:	JES Notify User Message Service SSOB Extension
Macro ID:	IAZSSNU
DSECT Name:	SSNU
Owning Component:	JES COMMON (SC141)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: any Key: any Residency: Virtual and real storage above or below 16M, in private storage.
Size:	See SSNUSIZE
Created by:	caller of SSI function 'SSOBSSNU' = 75
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None required
Function:	This macro provides the mapping of the SSOB extension used to request service of the Notify User SSI to send messages to other system destinations.

SSNU mapping

Table 311. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 311. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
      START OF SPECIFICATIONS
01 DESCRIPTIVE NAME: JES Notify User Message Service
                       SSOB Extension
02 ACRONYM: SSNU
01 MACRO NAME: IAZSSNU
01 DSECT NAME: SSNU
01 LABEL PREFIX: SSNU
01 COMPONENT ID: JES COMMON (SC141)
01 EXTERNAL CLASSIFICATION: GUPI
01 END OF EXTERNAL CLASSIFICATION:
01 EYE-CATCHER: None
02 OFFSET: N/A
02 LENGTH: N/A
01 STORAGE ATTRIBUTES:
02 SUBPOOL: any
02 KEY: any
02 RESIDENCY:
      Virtual and real storage above or below 16M, in
      private storage.
01 SIZE:
     See SSNUSIZE
01 CREATED BY:
     caller of SSI function 'SSOBSSNU' = 75
01 POINTED TO BY:
     SSOBINDV field of the SSOB data area
01 SERIALIZATION:
     None required
01 FUNCTION:
     This macro provides the mapping of the SSOB
     extension used to request service of the
     Notify User SSI to send messages to other system
     destinations.
01 METHOD OF ACCESS:
02 PL/X:
      Specify the following:
           %DCL SSNU_ATRB CHAR
           %SSNU_ATRB = 'value'
           %INCLUDE SYSLIB(IAZSSNU)
      where value is valid control block attributes, such
      as 'BASED(SSOBINDV)'.
      In addition, the SSOB header field SSOBINDV should
      always be initialized by the caller to point
      to the functional extension.
02 ASM:
      Invoke the IAZSSNU macro.
      If the IEFJSSOB macro is used to define the SSOB
      header and any extensions are generated by that
      macro, then SSOBGN will be defined by IEFJSSOB.
      Otherwise, you must define that label immediately
      following the SSOB header.
      In addition, the SSOB header field SSOBINDV should
      always be initialized by the caller to point
      to the functional extension.
01 USED BY:
      SSI 75 (NOTIFY) processing
01 DELETED BY:
     caller of SSI function 'SSOBSSNU' = 75
01 FREQUENCY:
```

Table 311. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1 per SSI call					
01 RESTRICTIONS:					
None					
END OF SPECIFICATIONS					
01 CHANGE ACTIVITY:					
$VC1PB36=PTM HBB6603 951109 VLC: BCP Ext.Classifications					
$VC1P036=PTM HBB6603 951208 VLC: BCP PR20036 Ext.Class					
$Z07LTCP=NJETCP HBB7720 040517 CLW: SYSOUT Receiver					
$ME02156=NJETCP HBB7720 041111 CLW: SHOWHDR IAZSSNU ME02156					
$Z09LAPF=APFMITG HBB7740 060829 MJM5: SSI 75 Notify user					
$ME08400=APFMITG HBB7740 061107 NAW: Length error reason code ME08400					
A000000-999999 Created for MVS 4.1.0					
% GOTO END_OF_ASM_SSNU;					
Constants for Notify User Message Router SSI Extension					
FUNCTION VALUE FOR SSOBFUNC					
0	(0)	X'4B'	0	SSOBSSNU	"75" JES Notify User Function ID
RETURN CODE VALUES FOR SSOBRETN					
0	(0)	X'0'	0	SSNUOK	"0" Notify Request Successful
0	(0)	X'4'	0	SSNUOKB	"4" Notify Request Success BUT
0	(0)	X'8'	0	SSNUERR	"8" Notify Request Error see SSNUERCD for reason code
0	(0)	X'C'	0	SSNUNEX	"12" Notify no extension found
REASON CODE VALUES FOR SSNUERCD					
0	(0)	X'0'	0	SSNURQOK	"0" Notify Request Successful
0	(0)	X'4'	0	SSNUMSGT	"4" Notify Successful BUT msg truncated
0	(0)	X'8'	0	SSNUEXC	"8" Exit cancelled notify
0	(0)	X'C'	0	SSNUNUSR	"12" No userid specified
0	(0)	X'10'	0	SSNUINVD	"16" Notify Invalid destination
0	(0)	X'14'	0	SSNUIVID	"20" Invalid SSNU extension id
0	(0)	X'18'	0	SSNUIVER	"24" Invalid SSNU version
0	(0)	X'1C'	0	SSNUNOST	"28" No storage to process req
0	(0)	X'20'	0	SSNUNOAU	"32" No authorization
0	(0)	X'24'	0	SSNUMSGE	"36" Error in msg specification
0	(0)	X'28'	0	SSNUUNTK	"40" Notify successful BUT user token not allowed for unauthorized caller
0	(0)	X'2C'	0	SSNUINVE	"44" Invalid SSNU extension
0	(0)	X'30'	0	SSNUMEME	"48" Invalid member name
SSI SSOB Extension for Notify User Message Router-SSNU					
0	(0)	X'0'	0	SSNUBGN	"*"
0	(0)	CHARACTER	4	SSNUID	Extension Identifier
4	(4)	ADDRESS	2	SSNULEN	Length of SSOB Extensn area
6	(6)	BITSTRING	1	SSNUVER	Service Version Number
6	(6)	X'1'	0	SSNUCVER	"1" Service Version Number of IAZSSNU - Version 4.1.0 SSNUVER MUST = SSNUCVER
7	(7)	BITSTRING	1	SSNURSV1	Reserved
8	(8)	SIGNED	2	SSNUERCD	Reason code for Error RC
10	(A)	BITSTRING	1	SSNUFLG1	Flag Byte 1

Table 311. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		SSNU1MLO	"X'80'" Send msg IFF user log'd on
		.1..		SSNU1CON	"X'40'" Send to console if uid null
11	(B)	BITSTRING	1	SSNURSV2	Reserved
12	(C)	ADDRESS	4	SSNUTKNA	Address of user token(opt)
16	(10)	CHARACTER	8	SSNUNODE	Receiving NODE name
24	(18)	CHARACTER	8	SSNUUSER	Receiving USERID
32	(20)	SIGNED	2	SSNUMLEN	Length of msg to be sent
34	(22)	SIGNED	2	SSNURSV4	Reserved
36	(24)	ADDRESS	4	SSNUMSG	Address of msg to be sent
40	(28)	CHARACTER	4	SSNUMEMB	Member name for send (JES2 only - JES3 always issues SEND from GLOBAL).
44	(2C)	SIGNED	4		Reserved for future use
		To allow for compatibility between versions, add new areas here.			
44	(2C)	X'30'	0	SSNUSIZE	"*-SSNUBGN" SSOB Extension length
44	(2C)	X'4C'	0	SSNULEN8	"SSOBHSIZ+SSNUSIZE" Total SSOB Length w/NU Ext

Table 312. Cross Reference for SSNU

Name	Offset	Hex Tag
SSNUBGN	0	0
SSNUCVER	6	1
SSNUERCD	8	
SSNUERR	0	8
SSNUEXC	0	8
SSNUFLG1	A	
SSNUID	0	E2E2D5E4
SSNUINVD	0	10
SSNUINVE	0	2C
SSNUIVER	0	18
SSNUIVID	0	14
SSNULEN	4	
SSNULEN8	2C	4C
SSNUMEMB	28	
SSNUMEME	0	30
SSNUMLEN	20	
SSNUMSG	24	
SSNUMSGE	0	24
SSNUMSGT	0	4
SSNUNEX	0	C
SSNUNOAU	0	20
SSNUNODE	10	
SSNUNOST	0	1C
SSNUNUSR	0	C
SSNUOK	0	0

Table 312. Cross Reference for SSNU (continued)

Name	Offset	Hex Tag
SSNUOKB	0	4
SSNURQOK	0	0
SSNURSV1	7	
SSNURSV2	B	
SSNURSV4	22	
SSNUSIZE	2C	30
SSNUTKNA	C	
SSNUUNTK	0	28
SSNUUSER	18	
SSNUVER	6	
SSNU1CON	A	40
SSNU1MLO	A	80
SSOBSSNU	0	4B

Chapter 89. SSOB Information

SSOB Programming Interface Information

The following fields are **NOT** programming interface information:

- SSOBRETA
- SSOBRSV1

SSOB Heading Information

Common Name: Subsystem Options Block Header
Macro ID: IEFSSOBH
DSECT Name: SSOB
Owning Component: Subsystem Interface (SC1B6)
Eye-Catcher ID:
```
SSOB
Offset:  0
Length:  4 bytes
```
Storage Attributes:
```
Main Storage:  No
Virtual Storage:  Yes
Auxiliary Storage:  Yes
Subpool:   Determined by caller of IEFSSREQ
Key:       Determined by caller of IEFSSREQ
Data Space: No
Residency: Any
```
Size: 28 bytes (decimal)
Created by: Caller of IEFSSREQ
Pointed to by:
```
- Word pointed to by register 1 following invocation of
IEFSSREQ
- Register 1 on entry to a subsystem function routine
```
Serialization: None
Function:
```
Provides the input for a subsystem function
request.  The combination of the SSOB, SSIB,
and (optionally) an SSOB functional extension
represents a subsystem function request to be
directed to one or all subsystems by the
Subsystem Interface.
```

SSOB mapping

Table 313. Structure SSOB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSOB	
0	(0)	X'0'	0	SSOBEGIN	"*"
0	(0)	CHARACTER	4	SSOBID	CONTROL BLOCK IDENTIFIER
4	(4)	ADDRESS	2	SSOBLEN	LENGTH OF SSOB HEADER
6	(6)	SIGNED	2	SSOBFUNC	FUNCTION ID
8	(8)	ADDRESS	4	SSOBSSIB	ADDRESS OF SSIB OR ZERO
12	(C)	SIGNED	4	SSOBRETN	RETURN CODE FROM SUBSYSTEM

Table 313. Structure SSOB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		THE FOLLOWING RETURN CODES WILL BE RETURNED IN REGISTER 15 TO THE ISSUER OF THE IEFSSREQ MACRO - SSOBRETN CONTAINS FUNCTION-RELATED RETURN CODES (DEFINED IN EACH FUNCTION EXTENSION)			
12	(C)	X'0'	0	SSRTOK	"0" SUCCESSFUL COMPLETION - REQUEST WENT TO A SUBSYSTEM.
12	(C)	X'4'	0	SSRTNSUP	"4" SUBSYSTEM DOES NOT SUPPORT THIS FUNCTION
12	(C)	X'8'	0	SSRTNTUP	"8" SUBSYSTEM EXISTS, BUT IS NOT UP
12	(C)	X'C'	0	SSRTNOSS	"12" SUBSYSTEM DOES NOT EXIST
12	(C)	X'10'	0	SSRTDIST	"16" FUNCTION NOT COMPLETED-DISASTROUS ERROR
12	(C)	X'14'	0	SSRTLERR	"20" LOGICAL ERROR (BAD SSOB FORMAT, INCORRECT LENGTH,...)
12	(C)	X'18'	0	SSRTNSSI	"24" SSI not initialized
16	(10)	SIGNED	4	SSOBINDV	FUNCTION DEPENDENT AREA POINTER
16	(10)	X'14'	0	SSOBADDL	"*" START OF LENGTHENED SSOB
20	(14)	ADDRESS	4	SSOBRETA	USED BY SSI TO SAVE RETURN ADDRESS OF 31 BIT MODE CALLERS
24	(18)	BITSTRING	1	SSOBFLG1	Flag Byte
		1...		SSOBRTRY	"X'80'" Retry Requested
25	(19)	CHARACTER	3	SSOBRSV1	RESERVED
25	(19)	X'1C'	0	SSOBHSIZ	"*-SSOBEGIN" SSOB HEADER LENGTH

Table 314. Cross Reference for SSOB

Name	Offset	Hex Tag
SSOB	0	
SSOBADDL	10	14
SSOBEGIN	0	0
SSOBFLG1	18	
SSOBFUNC	6	
SSOBHSIZ	19	1C
SSOBID	0	E2E2D6C2
SSOBINDV	10	
SSOBLEN	4	
SSOBRETA	14	
SSOBRETN	C	
SSOBRSV1	19	
SSOBRTRY	18	80
SSOBSSIB	8	
SSRTDIST	C	10
SSRTLERR	C	14
SSRTNOSS	C	C
SSRTNSSI	C	18
SSRTNSUP	C	4
SSRTNTUP	C	8
SSRTOK	C	0

Chapter 90. SSPJ Information

SSPJ Heading Information

Common Name:	Persistent JCL interface SSOB extension
Macro ID:	IAZSSPJ
DSECT Name:	SSPJ
Owning Component:	JES Common (SC141)
Eye-Catcher ID:	'SSPJ' Offset: 4 Length: 4
Storage Attributes:	Subpool: Any Key: Key of SSI caller Residency: Any
Size:	See the SSPJSIZE equate
Created by:	Caller of SSI
Pointed to by:	SSOBINDV in the IEFSSOBH mapping macro
Serialization:	None required
Function:	Defines the SSOB extension used to request persistent JCL functions from JES.

SSPJ mapping

Table 315. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 315. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
      START OF SPECIFICATIONS
01 DESCRIPTIVE NAME:
      Persistent JCL interface SSOB extension
02 ACRONYM: IAZSSPJ
01 MACRO NAME: IAZSSPJ
01 DSECT NAME: SSPJ
01 LABEL PREFIX: SSPJ
01 COMPONENT ID: JES Common (SC141)
01 EXTERNAL CLASSIFICATION: DMTI
01 END OF EXTERNAL CLASSIFICATION:
01 EYE-CATCHER: 'SSPJ'
02 OFFSET: 4
02 LENGTH: 4
01 STORAGE ATTRIBUTES:
02 SUBPOOL: Any
02 KEY: Key of SSI caller
02 RESIDENCY: Any
01 SIZE: See the SSPJSIZE equate
01 CREATED BY: Caller of SSI
01 POINTED TO BY: SSOBINDV in the IEFSSOBH mapping macro
01 SERIALIZATION: None required
01 FUNCTION:
      Defines the SSOB extension used to request
      persistent JCL functions from JES.
01 METHOD OF ACCESS:
02 ASM:
      IAZSSPJ DSECT=YES|NO
        DSECT=YES - Provides DSECT for SSPJ.
        DSECT=NO - Provides storage definition for SSPJ
                   with origin at SSOBGN. (default)
        If DSECT=NO is specified, then you must ensure
        that label SSOBGN is defined. This can be
        accomplished by either using the IEFJSSOB macro
        to define the SSOB header along with at least one
        extension. Otherwise, you must define label
        SSOBGN immediately following the SSOB header.
02 PL/X:
        %DCL SSOBPJ CHAR
        %SSOBPJ = 'value' (see description below)
        %INCLUDE SYSLIB(IEFSSPJ)
        SSOPJ is a global variable that determines SSPJ's
        attributes. The variable should be set to a valid
        control block attribute, such as 'BASED(SSOBINDV)'
        or '' (null). The default is '' (null).
01 DELETED BY: Caller of SSI
01 FREQUENCY: 1 per PJCL SSI request
01 RESTRICTIONS: None
01 NOTES:
      Return code values (for SSOBRETN) are defined
      by macro IAZPJCO.
      END OF SPECIFICATIONS
  01 CHANGE ACTIVITY:
```

```
  A000000-999999 CREATED FOR JES2 5.2.0
  %GOTO IAZSSPJ_PLX;
```

0	(0)	X'4D'	0	SSOBPJCL	"77" Function id (SSOBFUNC)
0	(0)	X'0'	0	SSPJ	"*" SSOB extension mapping - SSPJ
0	(0)	SIGNED	2	SSPJLEN	Length of extension
2	(2)	BITSTRING	1	SSPJVER	Version of mapping for caller

Table 315. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'1'	0	SSPJCVER	"1" Current version
3	(3)	BITSTRING	1	SSPJREQ	Request code
3	(3)	X'1'	0	SSPJREG	"1" Register request
3	(3)	X'2'	0	SSPJDREG	"2" Deregister request
3	(3)	X'3'	0	SSPJREST	"3" Restart request
3	(3)	X'4'	0	SSPJQRY	"4" Query request
4	(4)	CHARACTER	4	SSPJID	SSOB extension id - "SSPJ"
8	(8)	SIGNED	4	SSPJRSN	Reason code
12	(C)	CHARACTER	8	SSPJGRP	JES XCF group name
20	(14)	CHARACTER	8	SSPJJTOK(0)	Job token
20	(14)	CHARACTER	4	SSPJJNUM	Job number
24	(18)	CHARACTER	4	SSPJJKEY	Job key
24	(18)	X'0'	0	SSPJDUMN	"0" Dummy job token - job number
24	(18)	BITSTRING	0	SSPJDUMK	"X'FFFFFFFF'" Dummy job token - job key
28	(1C)	CHARACTER	8	SSPJSTOK	Stoken (register only)
36	(24)	CHARACTER	8	SSPJJBID	Job id (register only)
44	(2C)	BITSTRING	1	SSPJCAUS	Deregister cause
44	(2C)	X'1'	0	SSPJOTHR	"1" Other restart
44	(2C)	X'2'	0	SSPJNORS	"2" No restart
44	(2C)	X'3'	0	SSPJTIME	"3" Timeout
45	(2D)	CHARACTER	3	SSPJRSV1	Reserved for future use
45	(2D)	X'30'	0	SSPJSIZE	"*-SSPJ" Length of SSPJ fixed header section

Table 316. Cross Reference for SSPJ

Name	Offset	Hex Tag
SSOBPJCL	0	4D
SSPJ	0	0
SSPJCAUS	2C	
SSPJCVER	2	1
SSPJDREG	3	2
SSPJDUMK	18	FFFFFF
SSPJDUMN	18	0
SSPJGRP	C	
SSPJID	4	E2E2D7D1
SSPJJBID	24	
SSPJJKEY	18	
SSPJJNUM	14	
SSPJJTOK	14	
SSPJLEN	0	
SSPJNORS	2C	2
SSPJOTHR	2C	1
SSPJQRY	3	4
SSPJREG	3	1
SSPJREQ	3	
SSPJREST	3	3
SSPJRSN	8	
SSPJRSV1	2D	

Table 316. Cross Reference for SSPJ (continued)

Name	Offset	Hex Tag
SSPJSIZE	2D	30
SSPJSTOK	1C	
SSPJTIME	2C	3
SSPJVER	2	

Chapter 91. SSRB Information

SSRB Heading Information

Common Name: Suspended Service Request Block
Macro ID: IHASSRB
DSECT Name: SSRBSECT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID:
```
SSRB
Offset:  0
Length:  4
```
Storage Attributes:
```
Subpool:   239
Key:       0
Residency: Above 16M line
```
Size: SSRBsect -- X'00B0' bytes
Created by: IEAVESPM (SRB/SSRB Pool Management)
Pointed to by:
```
SRBFLNK field of the SRB data area
SSRXSSRB field of the SSRX data area
SVTGSMQ field of the SVT data area
SVTGSPL field of the SVT data area
SVTLSMQ field of the SVT data area
SVTXSSRBPTR field of the SVTX data area
SVTXTOKENPTR field of the SVTX data area
WEBUPTR field of the WEB data area
```
Serialization: Owner-serialized.
Function:
```
In conjunction with an XSB and an SSRX, the SSRB is used to
save status for any type SRB.
The data formerly in the SSRB is divided into two pieces:
- The SSRB resides below 2G.
- The SSRX resides above 2G.
```

SSRB mapping

Table 317. Structure SSRBSECT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	176	SSRBSECT	LABEL OF MAPPING.
0	(0)	CHARACTER	44	SRBSECT	
0	(0)	CHARACTER	44	SRB	
0	(0)	CHARACTER	4	SRBID	EBCDIC ACRONYM FOR SRB OR SSRB.
4	(4)	ADDRESS	4	SRBFLNK	FORWARD CHAIN FIELD
8	(8)	ADDRESS	4	SRBASCB	ADDRESS SPACE TO BE DISPATCHED
8	(8)	CHARACTER	1	*	
9	(9)	ADDRESS	3	SRBASC24	24-bit ASCB address
12	(C)	CHARACTER	8	SRBFLC	SRB AREA MOVED TO LOW CORE
12	(C)	BITSTRING	2	SRBCPAFF	CPU AFFINITY MASK
14	(E)	SIGNED	2	SRBPASID	PURGEDQ ASID
16	(10)	ADDRESS	4	SRBPTCB	PURGEDQ TCB ADDRESS
20	(14)	ADDRESS	4	SRBEP	ENTRY POINT ADDRESS OF ASYNCHRONOUS ROUTINE
20	(14)	ADDRESS	4	SRBEPA	ENTRY POINT ADDRESS (31-BIT USERS)

Table 317. Structure SSRBSECT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		SRBMODE	ADDRESSING MODE INDICATOR
24	(18)	ADDRESS	4	SRBRMTR	ADDRESS OF RESOURCE MGR TERMINATION ROUTINE FOR PURGEDQ
24	(18)	ADDRESS	4	SRBRMTRA	ADDRESS OF RESOURCE MGR TERMINATION ROUTINE FOR PURGEDQ (31-BIT USERS)
24	(18)	CHARACTER	1	SRBRMTR0	Byte 0 of SRBRMTR
		1...		SRBRMODE	ADDRESSING MODE INDICATOR
25	(19)	CHARACTER	2	*	
27	(1B)	CHARACTER	1	SRBRMTR3	Byte 3 of SRBRMTR
		1111 111.		*	
		1		SRBRMTLL	When on, the local lock will be held when control is given to the RMTR. The RMTR is allowed to release the local lock before returning, but is not required to do so.
28	(1C)	ADDRESS	4	SRBPARM	USER PARAMETER
32	(20)	ADDRESS	4	SRBWEB	Address of this SRB's WEB. SERIALIZATION: None. OWNERSHIP: Supervisor Control
32	(20)	ADDRESS	4	SRBSAVE	Reserved. Must be Zero. SERIALIZATION: None. OWNERSHIP: Supervisor Control
36	(24)	BITSTRING	1	SRBPKF	PROTECT KEY IN HIGH ORDER 4 BITS, LOW ORDER BITS 0
37	(25)	ADDRESS	1	SRBPRIOR	PRIORITY LEVEL
37	(25)	ADDRESS	1	SRBFLGS	SRB OPTION FLAGS
		1...		SRBLLREQ	LOCAL LOCK REQUEST
		.1..		SRBLLHLD	LOCAL LOCK HELD
		..1.		SRBFRREQ	FRR REQUESTED
		...1		SRBFRRCL	THIS BIT IS OBSOLETE SINCE FRR PARM AREA IS ALWAYS CLEARED BY DISPATCHER. RETAINED FOR COMPATIBILITY
		.... 1...		SRBSUSP	SUSPENDED SRB
		.... .1..		SRBPNONQ	NONQUIESCABLE SRB
		11		*	RESERVED.
38	(26)	CHARACTER	1	SRBHLHI	INDICATION OF LOCKS HELD AT SRB SUSPENSION
39	(27)	BITSTRING	1	SRBFLGS1	SRB TYPE FLAGS.
		1...		SRBMAIN	SRB/SSRB MUST BE FREEMAINED.
		.1..		SRBSP245	SRB/SSRB FROM SUBPOOL 245.
		..1.		SRBBLK24	SRB BELOW THE LINE
		...1		SRBXESF	Mode=primary FRR - only meaningful if SRBFRREQ is set.
		.... 1...		SRB1STS	This SSRB represents the initial schedule of a workunit and has never been dispatched.
		.... .1..		SRBPMCS	This SRB is in process must complete mode
		.... ..1.		SRBMSCHD	This SRB was scheduled via the IEAMSCHD macro

Table 317. Structure SSRBSECT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SRBTOKNP	This SSRB belongs to the pool created for SUSPEND with SPTOKEN.
40	(28)	ADDRESS	4	SRBFRRA	FRR ROUTINE ADDR
40	(28)	CHARACTER	3	*	
43	(2B)	CHARACTER	1	SRBFRRA3	
		1111 111.		*	
		1		SRBSD31	Set this flag to indicate that the FRR can tolerate an SDWA in 31-bit storage. This is equivalent to the SETFRR SDWALOC31(YES) parameter
44	(2C)	CHARACTER	0	SRBEND	END OF SRB
44	(2C)	CHARACTER	132	SSRB	Start of SSRB portion
44	(2C)	BITSTRING	1	SSRBTYPE	Savearea for WEBTYPE when PSRBs, ESRBs or CSRBs are suspended or STOPped. Ownership:Supervisor Control Serialization: WEBLOCK of the WEB associated with this SSRB
45	(2D)	CHARACTER	3	SSRBR02D	RESERVED.
48	(30)	CHARACTER	64	SSRBGPRS	GENERAL REG SAVE
48	(30)	SIGNED	4	SSRBGPR0	GENERAL REGISTER 0
52	(34)	SIGNED	4	SSRBGPR1	GENERAL REGISTER 1
56	(38)	SIGNED	4	SSRBGPR2	GENERAL REGISTER 2
60	(3C)	SIGNED	4	SSRBGPR3	GENERAL REGISTER 3
64	(40)	SIGNED	4	SSRBGPR4	GENERAL REGISTER 4
68	(44)	SIGNED	4	SSRBGPR5	GENERAL REGISTER 5
72	(48)	SIGNED	4	SSRBGPR6	GENERAL REGISTER 6
76	(4C)	SIGNED	4	SSRBGPR7	GENERAL REGISTER 7
80	(50)	SIGNED	4	SSRBGPR8	GENERAL REGISTER 8
84	(54)	SIGNED	4	SSRBGPR9	GENERAL REGISTER 9
88	(58)	SIGNED	4	SSRBGPRA	GENERAL REGISTER 10
92	(5C)	SIGNED	4	SSRBGPRB	GENERAL REGISTER 11
96	(60)	SIGNED	4	SSRBGPRC	GENERAL REGISTER 12
100	(64)	SIGNED	4	SSRBGPRD	GENERAL REGISTER 13
104	(68)	SIGNED	4	SSRBGPRE	GENERAL REGISTER 14
108	(6C)	SIGNED	4	SSRBGPRF	GENERAL REGISTER 15
112	(70)	CHARACTER	8	SSRBCPSW	CURRENT PSW
120	(78)	CHARACTER	16	SSRBPSW16	16-byte analog of SSRBCPSW
120	(78)	CHARACTER	4	*	
124	(7C)	CHARACTER	4	SSRBPSW16WORD	
		1...		SSRBPSW16_AMODE31	
128	(80)	CHARACTER	8	*	
136	(88)	CHARACTER	8	SSRBCPUT	CPUTIMER SAVEAREA
		1...		SSRBNTMR	When set, this SSRB doesn't have any SRB Timer set. Only meaningful for preemptable-class SRBs.
144	(90)	CHARACTER	8	SSRBTIME	SRB TIME LIMIT VALUE IF THIS SRB IS BEING TIMED, OTHERWISE ZERO.
152	(98)	CHARACTER	8	SSRB_TIME_ON_CP	SRB's accumulated CPU time on CP

Table 317. Structure SSRBSECT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
160	(A0)	ADDRESS	4	SSRBXSB	ADDRESS OF EXTENDED STATUS BLOCK (XSB)
164	(A4)	ADDRESS	4	SSRBSSD	Address of this SRB's SSD, if the SSRB is queued to an SSD.
168	(A8)	ADDRESS	8	SSRBSSRXADDR	Address of SSRX
176	(B0)	CHARACTER	0	SSRBEND	END OF SSRB.

Table 318. Constants for SSRB

Len	Type	Value	Name	Description
4	DECIMAL	2144	SSRB_AS_WORKAREA_LEN	This is used by - IEAVESPM - IEAVESTS which needs as much as the STSV + 14x (WorkArea). - IEAVSCHD which needs a much smaller amount.
4	CHARACTER SSRW		SSRB_WORKAREA_EYECATCHER	
4	DECIMAL	44	SRBSIZE	
4	DECIMAL	176	SSRBLEN	

Table 319. Cross Reference for SSRB

Name	Offset	Hex Tag
SRB	0	
SRBASCB	8	
SRBASC24	9	
SRBBLK24	27	20
SRBCPAFF	C	
SRBEND	2C	
SRBEP	14	
SRBEPA	14	
SRBFLC	C	
SRBFLGS	25	
SRBFLGS1	27	
SRBFLNK	4	
SRBFRRA	28	
SRBFRRA3	2B	
SRBFRRCL	25	10
SRBFRREQ	25	20
SRBHLHI	26	
SRBID	0	
SRBLLHLD	25	40
SRBLLREQ	25	80
SRBMAIN	27	80
SRBMODE	14	80
SRBMSCHD	27	02
SRBPARM	1C	
SRBPASID	E	
SRBPKF	24	
SRBPMCS	27	04
SRBPNONQ	25	04

Table 319. Cross Reference for SSRB (continued)

Name	Offset	Hex Tag
SRBPRIOR	25	
SRBPTCB	10	
SRBRMODE	18	80
SRBRMTLL	1B	01
SRBRMTR	18	
SRBRMTRA	18	
SRBRMTR0	18	
SRBRMTR3	1B	
SRBSAVE	20	
SRBSD31	2B	01
SRBSECT	0	
SRBSP245	27	40
SRBSUSP	25	08
SRBTOKNP	27	01
SRBWEB	20	
SRBXESF	27	10
SRB1STS	27	08
SSRB	2C	
SSRB_TIME_ON_CP	98	
SSRBCPSW	70	
SSRBCPUT	88	
SSRBEND	B0	
SSRBGPRA	58	
SSRBGPRB	5C	
SSRBGPRC	60	
SSRBGPRD	64	
SSRBGPRE	68	
SSRBGPRF	6C	
SSRBGPRS	30	
SSRBGPR0	30	
SSRBGPR1	34	
SSRBGPR2	38	
SSRBGPR3	3C	
SSRBGPR4	40	
SSRBGPR5	44	
SSRBGPR6	48	
SSRBGPR7	4C	
SSRBGPR8	50	
SSRBGPR9	54	
SSRBNTMR	88	80
SSRBPSW16	78	
SSRBPSW16_AMODE31	7C	80
SSRBPSW16WORD	7C	
SSRBR02D	2D	
SSRBSECT	0	
SSRBSSD	A4	
SSRBSSRXADDR	A8	
SSRBTIME	90	
SSRBTYPE	2C	

Table 319. Cross Reference for SSRB (continued)

Name	Offset	Hex Tag
SSRBXSB	A0	

Chapter 92. SSRQ Information

SSRQ Heading Information

Common Name:	SSOB Extension for Re-enqueue of a Job
Macro ID:	IEFSSRQ
DSECT Name:	SSRQ
Owning Component:	Initiator/terminator (SC1B6)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	20 bytes for SSOB plus 8 bytes for SSRQ
Created by:	IEFSD166
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSRQ mapping

Table 320. Structure SSRQ

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	SSRQ	
0	(0)	SIGNED	2	SSRQLEN	LENGTH OF SSRQ
2	(2)	SIGNED	2	*	RESERVED
4	(4)	SIGNED	2	SSRQSTEP	STEP NUMBER
6	(6)	BITSTRING	1	SSRQFLG1	REASON FOR RE-ENQUEING
		1...		SSRQSTRS	STEP RESTART
		.1..		SSRQCHRS	CHECKPOINT RESTART
		..1.		SSRQCNRS	CONTINUE RESTART
		...1		SSRQHOLD	HOLD THE JOB
		 1111		*	RESERVED
7	(7)	CHARACTER	1	*	RESERVED

Table 321. Constants for SSRQ

Len	Type	Value	Name	Description
2	DECIMAL	13	SSOBRENQ	REENQUEUE A JOB FUNCTION ID (SSOBFUNC)
	JOB REENQUEUE RETURN CODES (SSOBRETN)			
4	DECIMAL	36	SSRQPERR	PROGRAM ERROR

Table 322. Cross Reference for SSRQ

Name	Offset	Hex Tag
SSRQ	0	
SSRQCHRS	6	40
SSRQCNRS	6	20
SSRQFLG1	6	
SSRQHOLD	6	10

Table 322. Cross Reference for SSRQ (continued)

Name	Offset	Hex Tag
SSRQLEN	0	
SSRQSTEP	4	
SSRQSTRS	6	80

Chapter 93. SSRR Information

SSRR Programming Interface Information

SSRR is a programming interface.

SSRR Heading Information

Common Name:	SSOB Extension for Request/Return Job ID
Macro ID:	IEFSSRR
DSECT Name:	SSRR
Owning Component:	JES2 (SC141)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key Residency: Any
Size:	See SSRRSIZE equate @Z02P986
Created by:	IEEMB803 SSI caller
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface. SSOB extension used for the REQUEST/RETURN JOBID function

SSRR mapping

Table 323. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 323. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
    START OF SPECIFICATIONS
     PROPRIETARY-STATEMENT
 01 PROPRIETARY STATEMENT:
         LICENSED MATERIALS- PROPERTY OF IBM
         5650-ZOS Copyright IBM Corp. 1982, 2013
  STATUS = HBB7790
     END-OF-PROPRIETARY-STATEMENT
 01 MACRO NAME: IEFSSRR
 01 DSECT NAME: SSRR
 01 DESCRIPTIVE NAME: SSOB Extension for Request/Return Job ID
 02 ACRONYM: SSRR
 01 COMPONENT ID: JES2 (SC141)
 01 EXTERNAL CLASSIFICATION: PSPI
 01 END OF EXTERNAL CLASSIFICATION:
 01 EYE-CATCHER: None
 02 OFFSET: N/A
 02 LENGTH: N/A
 01 STORAGE ATTRIBUTES:
 02 MAIN STORAGE:
 02 VIRTUAL STORAGE:
 02 AUXILIARY STORAGE:
 02 DATA SPACE:
 02 SUBPOOL: User subpool
 02 KEY: User key
 02 RESIDENCY: Any
 01 SIZE: See SSRRSIZE equate
 01 CREATED BY: IEEMB803
                 SSI caller
 01 DELETED BY: SSI caller
 01 POINTED TO BY: SSOBINDV field of the SSOB data area
 01 SERIALIZATION: None
 01 FUNCTION:
      Parameter list for the subsystem interface.
      SSOB extension used for the REQUEST/RETURN JOBID
      function
 01 METHOD OF ACCESS:
    END OF SPECIFICATIONS
 01 CHANGE ACTIVITY:
 Flag LineItem FMID Date ID Comment
  $L0=REQID HBB4420 9011xx MSF: Created for Pre-SP MVS
                                     Via APAR OZ34144
  $L1=REQID HBB4420 910124 MSF: Request Jobid SPE
  $L2=Showhdr HBB5510 931103 RAC: SHOWHDR
  $Z02P986=LRJ HBB7705 001218 J_K2: RJI SSOB JESLOG Support
  $Z21LCOR=JOBCOR HBB7790 111018 BWT: Job Correlator-Command/SS
 01 NOTES:
         Bilingual Mapping Macro (PL/AS and BAL)
       DEPENDENCIES = None
       RESTRICTIONS = None
     METHOD OF INVOCATION =
       PL/AS VERSION =
   %DCL SSOBRR CHAR
   %SSOBRR = 'BASED' or 'BDY(WORD)' or '' (optional,
                                           '' is default)
   %INCLUDE SYSLIB(IEFSSRR)
       BAL VERSION = the macro has two possible calling
                     sequences:
```

Table 323. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

1) IEFJSSOB (RR,...),CONTIG=YES/NO
See the IEFJSSOB macro for a complete description
of invocation via this method.
2) SSRR DSECT (OPTIONAL)
IEFSSRR
COMPONENT = SC141
Note: This macro was transferred from
component SC1B6 to SC141 as part
of apar OY38094.
DISTRIBUTION LIBRARY = AMACLIB
Request jobid selection priority:
If SSRRFLG1='80'X then
use the job name passed in SSRRJNM
Else
If SSRRFLG1='40'X then
use the job name in the ASCB
Else
the job name will be hardcoded to 'SYSLOG'
Use of the request jobid SSI requires that a non-
zero ECB value be supplied in SSRRSECB.
%GOTO SSRRPLS;					

0	(0) X'14'		0	SSOBRQST	"20" REQUEST JOB ID FUNCTION ID(SSOBFUNC)
0	(0) X'15'		0	SSOBRTRN	"21" RETURN JOB ID FUNCTION ID(SSOBFUNC)
REQUEST/RETURN JOB ID RETURN CODES (SSOBRETN)					
0	(0) X'0'		0	SSRROK	"0" REQUEST/RETURN SUCCESSFUL
0	(0) X'4'		0	SSRRFAIL	"4" REQUEST/RETURN UNSUCCESSFUL
0	(0) X'8'		0	SSRRFREQ	"8" REQUEST WITHOUT A MATCHING RETURN
0	(0) X'C'		0	SSRRFRET	"12" RETURN WITHOUT A MATCHING REQUEST
0	(0) X'10'		0	SSRRNOEC	"16" BAD ECB SUPPLIED ON REQUEST CALL
0	(0) X'14'		0	SSRRPRME	"20" Parameter list error
0	(0) X'18'		0	SSRRJLGE	"24" JESLOG specfication error
0	(0) X'24'		0	SSRRPERR	"36" PROGRAM ERROR
ADDITIONAL DATA FOR THIS EXTENSION					
0	(0) X'0'		0	SSRRBGN	"*"
0	(0) ADDRESS		2	SSRRLEN	R/R EXTENSION LENGTH
To explicitly request that a joblog be created, turn on SSRRJOBL. A joblog will NOT be created if SSRRNJBL is on. An error condition exists if both SSRRJOBL and SSRRNJBL are on. If both are off, a joblog will be created by default.					
2	(2) BITSTRING		1	SSRRFLG1	SSRR FLAG BYTE
	1...			SSRRJNMP	"X'80'" INPUT JOB NAME IS PRESENT
	.1..			SSRRUASC	"X'40'" USE JOB NAME IN ASCB
	..1.			SSRRSYSL	"X'20'" THIS IS THE SYSTEM LOG
	...1			SSRRJOBL	"X'10'" Allocate a joblog

Table 323. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		SSRRNJBL	"X'08'" Do not allocate a joblog (mutually exclusive with SSRRELIG and SSRRNOSP)
3	(3)	ADDRESS	1	SSRRVER	VERSION OF EXTENSION
3	(3)	X'3'	0	SSRRCVER	"3" Current Version
4	(4)	ADDRESS	4	SSRRSECB	REQUEST JOB ID STOP ECB POINTER
8	(8)	CHARACTER	8	SSRRJNM	INPUT JOB NAME
16	(10)	BITSTRING	3		Reserved for future use and must be zero
19	(13)	BITSTRING	5	SSRRLOG	JESLOG control information
19	(13)	BITSTRING	1	SSRRLFLG	Flags
		1...		SSRRELIG	"B'10000000'" Spin eligible (mutually exclusive with SSRRNJBL and SSRRNOSP)
		SSRRTIMI, SSRRTIMD and SSRRLINE are mutually exclusive. If SSRRELIG is on and none of the three is on, that implies that an operator command can be used to spin output, but there is no automatic spinning. It is an error if any of the 3 bits are on and SSRRELIG is off.			
		.1..		SSRRTIMI	"B'01000000'" Spin on time interval
		..1.		SSRRTIMD	"B'00100000'" Spin on time of day
		...1		SSRRLINE	"B'00010000'" Spin upon line delta
		.... 1...		SSRRNOSP	"B'00001000'" No Spin (mutually exclusive with SSRRELIG and SSRRNJBL)
		EQU B'00000111' Reserved for future use			
		SSRRSVAL has one of the following values: o 0 if no bit on in SSRRLFLG or just SSRRELIG or SSRRNOSP is on. o Increment in minutes if SSRRTIMI on. Increment must be 10 minutes or more. o Number of minutes past midnight if SSRRTIMD on. The range is 0 through 23:59 (23 60+59). o Line delta if SSRRLINE on. The range is 500 through 999 million.			
20	(14)	SIGNED	4	SSRRSVAL	Spin value
24	(18)	ADDRESS	4	SSRRJCRP	Pointer to job correlator
28	(1C)	SIGNED	4	(7)	Reserved for future use and must be zero
28	(1C)	X'38'	0	SSRRSIZE	"*-SSRRBGN" R/R EXTENSION LENGTH
28	(1C)	X'54'	0	SSOBLENE	"SSOBHSIZ+SSRRSIZE"

Table 324. Cross Reference for SSRR

Name	Offset	Hex Tag
SSOBLENE	1C	54
SSOBRQST	0	14
SSOBRTRN	0	15

Table 324. Cross Reference for SSRR (continued)

Name	Offset	Hex Tag
SSRRBGN	0	0
SSRRCVER	3	3
SSRRELIG	13	80
SSRRFAIL	0	4
SSRRFLG1	2	0
SSRRFREQ	0	8
SSRRFRET	0	C
SSRRJCRP	18	
SSRRJLGE	0	18
SSRRJNM	8	40404040
SSRRJNMP	2	80
SSRRJOBL	2	10
SSRRLEN	0	
SSRRLFLG	13	
SSRRLINE	13	10
SSRRLOG	13	
SSRRNJBL	2	8
SSRRNOEC	0	10
SSRRNOSP	13	8
SSRROK	0	0
SSRRPERR	0	24
SSRRPRME	0	14
SSRRSECB	4	
SSRRSIZE	1C	38
SSRRSVAL	14	
SSRRSYSL	2	20
SSRRTIMD	13	20
SSRRTIMI	13	40
SSRRUASC	2	40
SSRRVER	3	

Chapter 94. SSSE Information

SSSE Heading Information

Common Name:	NOTIFY SUBSYSTEM OF STEP END
Macro ID:	IEFSSSE
DSECT Name:	SSSE (OPTIONAL)
Owning Component:	SCHEDULER (SC1B6)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Subpool 230 Key: Scheduler key Residency: Any
Size:	LENGTH(SSSE)
Created by:	IEFSD164
Pointed to by:	SSOBINDV field of the SSOB control block (SSOBSOBH)
Serialization:	None
Function:	USED BY SCHEDULER MODULES TO INTERFACE WITH SUBSYSTEMS TO NOTIFY OF STEP END

SSSE mapping

Table 325. Structure SSSE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	SSSE	
0	(0)	SIGNED	2	SSSELEN	LENGTH OF SSSE
2	(2)	SIGNED	2	SSSERSV0	RESERVED
		FOLLOWING FIELDS CONTAIN POINTERS TO THE INDICATED DATA, NUMBERS IN PARENTHESES INDICATE LENGTH OF AREA POINTED TO.			
4	(4)	ADDRESS	4	SSSEPSNM	FOR A NORMAL JOB, POINTER TO NAME ON THE 'EXEC PGM=' STATMENT. FOR A STARTED JOB, POINTER TO THE ID, UNIT TYPE, OR 'STARTING'. (8 bytes)
8	(8)	ADDRESS	4	SSSEPPSN	FOR A NORMAL JOB, POINTER TO NAME ON THE 'EXEC PROC=' STATEMENT (OR BLANKS). FOR A STARTED JOB, POINTER TO BLANKS. (8 bytes)
12	(C)	ADDRESS	4	SSSEPSNO	PTR TO STEP NUMBER (1 byte)
16	(10)	UNSIGNED	2	SSSESTPC	STEP COMP CODE
18	(12)	CHARACTER	1	SSSEFLG1	FLAGS
		1...		SSSESABD	STEP HAS ABENDED
19	(13)	CHARACTER	1	SSSERSV1	RESERVED
20	(14)	SIGNED	4	SSSESTPA	STEP ABEND CODE

Table 326. Constants for SSSE

Len	Type	Value	Name	Description
2	DECIMAL	84	SSOBNSSE	NOTIFY SUBSYSTEM OF STEP END
	NOTIFY SUBSYSTEM OF STEP END RETURN CODES (SSOBRETN)			

Table 326. Constants for SSSE (continued)

Len	Type	Value	Name	Description
4	DECIMAL	0	SSSENORM	NORMAL COMPLETION
4	DECIMAL	4	SSSEREST	RESTART JOB

Table 327. Cross Reference for SSSE

Name	Offset	Hex Tag
SSSE	0	
SSSEFLG1	12	
SSSELEN	0	
SSSEPPSN	8	
SSSEPSNM	4	
SSSEPSNO	C	
SSSERSV0	2	
SSSERSV1	13	
SSSESABD	12	80
SSSESTPA	14	
SSSESTPC	10	

Chapter 95. SSSF Information

SSSF Programming Interface Information

SSSF is a programming interface.

SSSF Heading Information

Common Name:	SSOB Extension for Scheduler Services SSI Extension
Macro ID:	IAZSSSF
DSECT Name:	SSSF (optional)
Owning Component:	JES Common (SC141)
Eye-Catcher ID:	'SSSF' Offset: SSSFID-SSSFBGN Length: Length of SSSFID
Storage Attributes:	Subpool: any Key: Key of SSI caller Residency: Any
Size:	Header size (SSSFHSZE) + length of function dependent area (i.e. SSSFMRSZ)
Created by:	Caller of SSI
Pointed to by:	SSOBINDV in the IEFSSOBH mapping macro
Serialization:	None required
Function:	This macro provides the mapping of the SSOB extension used to make requests of a target subsystem's Scheduler Facility Services Processor. The requests are limited to services which can affect SUBSYSTEM MAINTAINED scheduler data, e.g.SWBTU data.

SSSF mapping

Table 328. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 328. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
  %SSSFCMT: ;
      START OF SPECIFICATIONS
01 DESCRIPTIVE NAME: SSOB Extension for Scheduler
                       Services SSI Extension
02 ACRONYM: IAZSSSF
01 MACRO NAME: IAZSSSF
01 DSECT NAME: SSSF (optional)
01 LABEL PREFIX: SSSF
01 COMPONENT ID: JES Common (SC141)
01 EXTERNAL CLASSIFICATION: PI
01 END OF EXTERNAL CLASSIFICATION:
01 EYE-CATCHER: 'SSSF'
02 OFFSET: SSSFID-SSSFBGN
02 LENGTH: Length of SSSFID
01 STORAGE ATTRIBUTES:
02 SUBPOOL: any
02 KEY: Key of SSI caller
02 RESIDENCY: Any
01 SIZE:
     Header size (SSSFHSZE) + length of function dependent
     area (i.e. SSSFMRSZ)
01 CREATED BY: Caller of SSI
01 POINTED TO BY: SSOBINDV in the IEFSSOBH mapping macro
01 SERIALIZATION: None required
01 FUNCTION:
     This macro provides the mapping of the SSOB extension
     used to make requests of a target subsystem's
     Scheduler Facility Services Processor. The requests
     are limited to services which can affect SUBSYSTEM
     MAINTAINED scheduler data, e.g.SWBTU data.
01 METHOD OF ACCESS:
02 ASM:
        SSSF DSECT (optional)
             IAZSSSF
        Notes on the assembler invocation:
           An 'ORG label' may be placed after the
           generation of the common SSOB header macro
           (IEFSSOBH) to cause this extension to follow
           the header. The SSOB header field SSOBINDV
           must be initialized by the caller to point to
           this functional extension.
02 PL/X:
        %DCL SSSF_ATTR CHAR
        %SSSF_ATTR = 'value' (see description below)
        %INCLUDE SYSLIB(IAZSSSF)
        SSSF_ATTR is a global variable that determines
        SSSF's attributes. The variable should be set to a
        valid control block attribute, such as
        'BASED(SSOBINDV)' or '' (null). The default is
        'BASED'.
01 DELETED BY: Caller of SSI
```

Table 328. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
01 FREQUENCY: 1 per Scheduler Services SSI request. 01 RESTRICTIONS: None END OF SPECIFICATIONS 01 CHANGE ACTIVITY: $420LSFS=SWBMOD HBB4420 900717 RPG: SCHEDULER FACIL SERVICE $420P365=PTM HBB4420 900813 NAW: PTM PH31365 $420P545=PTM HBB4420 900924 RPG: PTM PH31545 $VC1PB36=PTM HJE6603 951109 VLC: BCP Ext.Classifications $VC1P036=PTM HJE6603 951208 VLC: BCP PR20036 Ext.Class $Z09LAPF=APFMITG HBB7740 060919 NAW: APF Mitigation $ME08361=APFMITG HBB7740 061103 MJM5: Exit 45 security auth set ME08361 $ME08400=APFMITG HBB7740 061107 NAW: Length error reason code ME08400 $ME08068=APFMITG HBB7740 070123 NAW: SHOWHDR updates ME08068 $Z10LSJF=SJF HBB7750 070808 J_K2: $Z10LSJF=SJF HBB7750 070912 J_K2: $Z11LSSI=SDSFASST HBB7760 080805 BWT: IAZSSSF SWB Modify JES3 $Z11LSSI=SDSFASST HBB7760 080925 DLN: IAZSSSF JES3 Changes $Z11LSSI=SDSFASST HBB7760 081113 BWT: JES3 Changes,IAZJPITD upd $ME15723=BASEQ HBB7760 090311 BWT: IAZSSSF PLX Eyec Const ME15723 01 A000000-999999 Created for JES2 4.2.0 01 NOTES: %GOTO END_OF_ASM_SSFS; Scheduler Facility Services SSI FUNCTION VALUE FOR SSOBFUNC					
0	(0) X'46'		0	SSOBSFS	"70" Scheduler Facility Services
Scheduler Facility Services SSI RETURN CODES (SSOBRETN) Any other values are values propagated from JES2 installation exit 45.					
0	(0) X'0'		0	SSSFOK	"0" Request processed successfully
0	(0) X'8'		0	SSSFUERR	"8" Request rejected,see reason code
0	(0) X'C'		0	SSSFEXTE	"12" No Extension found
0	(0) X'10'		0	SSSFNOST	"16" No storage to process reqst
0	(0) X'14'		0	SSSFPOST	"20" No response data received from the global
0	(0) X'18'		0	SSSFABND	"24" Processing ABEND
Scheduler Facility Services SSI REASON CODES (SSSFREAS) Any other values are values propagated from JES2 installation exit 45.					
0	(0) X'10'		0	SSSFNOJ2	"16" JES address space not up and running
0	(0) X'14'		0	SSSFINVF	"20" Invalid function request
0	(0) X'18'		0	SSSFINVE	"24" Invalid SSSF extension
0	(0) X'20'		0	SSSFNOAU	"32" No authorization for request
0	(0) X'24'		0	SSSFINRI	"36" Error processing request
0	(0) X'28'		0	SSSFEXC	"40" Exit cancelled request
0	(0) X'2C'		0	SSSFDISA	"44" Scheduler Services disabled
0	(0) X'30'		0	SSSFGLBL	"48" Insufficient global level
Scheduler Facility Services SSI FUNCTION REQUEST CODES.					

Table 328. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	X'4'	0	SSSFSWBM	"4" SWB modify of output desc
0	(0)	X'8'	0	SSSFSWBF	"8" SWB merge of output descriptors
0	(0)	X'C'	0	SSSFSWBC	"12" Return memory used by SWB merge function
Scheduler Facility Services SSI Extension Header					
0	(0)	X'0'	0	SSSFBGN	"*"
0	(0)	CHARACTER	4	SSSFID	Acronym set to 'SSSF'
4	(4)	ADDRESS	2	SSSFLEN	SSSF SSOB extension length Equals Extension header and request dependent area
6	(6)	BITSTRING	1	SSSFRSV1	Reserved for JES2
7	(7)	BITSTRING	1	SSSFVER	Version number of IAZSSSF
7	(7)	X'3'	0	SSSFCVER	"3" Current version number of IAZSSSF - Version z/OS 1.11 SSSFVER MUST = SSSFCVER
8	(8)	SIGNED	2	SSSFREAS	SSSF Reason code
10	(A)	CHARACTER	1	SSSFREQF	Function request
11	(B)	BITSTRING	1	SSSFFLG1	Flag Byte-defined per request
12	(C)	SIGNED	4	SSSFRDA(0)	Request Dependent Area Begins here
12	(C)	X'C'	0	SSSFHSZE	"*-SSSFBGN" Header size
SFS Modify Request Dependent Extension Area Reason Codes for Scheduler Request MODIFY (SSSFMREA)					
12	(C)	X'0'	0	SSSFMOK	"0" Modify processing successful
12	(C)	X'4'	0	SSSFMTUE	"4" Modify/Erase TU error
12	(C)	X'8'	0	SSSFMJBE	"8" Modify jobname/jobid error
12	(C)	X'C'	0	SSSFMGRP	"12" Modify groupname error
12	(C)	X'10'	0	SSSFMNOS	"16" No storage to process request
12	(C)	X'14'	0	SSSFMSCI	"20" Invalid security request (SSSFFLG1)
12	(C)	X'18'	0	SSSFMIVX	"24" Invalid modify extension
12	(C)	X'1C'	0	SSSFMTKE	"28" Modify data set or client token error
12	(C)	X'20'	0	SSSFMNTK	"32" No data set or client token provided
12	(C)	X'24'	0	SSSFMJNF	"36" Job not found
12	(C)	X'28'	0	SSSFMDNF	"40" Data set not found
12	(C)	X'2C'	0	SSSFMDSB	"44" Data set busy
12	(C)	X'30'	0	SSSFMDSQ	"48" Data set on BDT/TCP queue
12	(C)	X'34'	0	SSSFMDSF	"52" Data set referenced by JECL FORMAT statement
12	(C)	X'38'	0	SSSFMSJF	"56" SJFREQ (MERGE) error
12	(C)	X'3C'	0	SSSFMSPC	"60" SWBTUREQ (SPLICE) error
12	(C)	X'40'	0	SSSFMSPT	"64" SWBTUREQ (SPLIT) error
12	(C)	X'44'	0	SSSFMSTU	"68" SWBTUREQ (RETRIEVE) error
12	(C)	X'48'	0	SSSFMSPL	"72" Spool I/O error
12	(C)	X'4C'	0	SSSFMTNU	"76" Token not useable for requested function

Table 328. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		SSSFFLG1 bit definitions - the first two bits indicate the type of security authorization checking requested. Note that only one of the first two bits should be turned on. These SSSFFLG1 bit definitions are only used by JES2. They are ignored by JES3.			
		1...		SSSFDEST	"B'10000000'" Destination check indicator (JES2 only)
		.1..		SSSFSECL	"B'01000000'" Seclabel dominance check only (honored for authorized callers) (JES2 only)
		SSSFFLG1 bit definitions - the third bit (SSSFMTYP) indicates what type of modify data is being passed. The bit OFF indicates individual job identification data for a modify request is being passed (Job name, Job ID, Group name, etc). The bit ON indicates that a data set or client token is being passed, and can be used to extract the necessary data such as job name, job ID, etc. Note: In a JES3 environment, use the client token delivered by ENF58 with an ENF58_QUALIFIER value of ENF58_Q_TOKEN_CHANGE. Note that the data supplied for the modify request is dependent on the setting of the bit SSSFMTYP. Data definitions below indicate the setting of SSSFMTYP that uses them. After the data fields unique to each modify type, there are data fields that are common to both types, followed by the output descriptor list information. JES3 requires SSSFFLG1 have bit SSSFMTYP ON.			
		..1.		SSSFMTYP	"B'00100000'" Modify request type OFF - Use job/group info ON - Use data set or client token
12	(C)	SIGNED	4	SSSFMDTA(0)	Modify Request Type Dep Data
		SSSFMTYP = OFF Job/Group information has been supplied to define the SFS Modify Request.			
12	(C)	CHARACTER	8	SSSFJBNM	JOBNAME
20	(14)	CHARACTER	8	SSSFJBID	JOBID
28	(1C)	CHARACTER	8	SSSFGRPN	Output group name
36	(24)	SIGNED	2	SSSFGRP1	Output group - first ID
38	(26)	SIGNED	2	SSSFGRP2	Output group - second ID
38	(26)	X'1C'	0	SSSFMDJL	"*-SSSFMDTA" Length of job/group fields
		SSSFMTYP = ON Data set or client token has been supplied to define the SFS Modify Request.			

Table 328. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		The data set level token is returned in field STVSCTKN when a verbose output request is made using SSI 80 (Extended Status). (JES3 only) The address of a data set level token is returned in field SSS2DSTR for each data set returned by SSI 79 (SAPI). (JES3 only) A client token is returned by the DYNALLOC macro. The text unit DALRTCTK (number 0071) will return an 80 byte JES Client Token at offset 6 in the text unit. JES3 will accept a data set level token or a client token for a modify request. The client token delivered by ENF58 with an ENF58_QUALIFIER value of ENF58_Q_TOKEN_CHANGE should be used. JES2 will accept a group level client token for a modify request. JES3 requires the use of SSSFMDST.			
12	(C)	ADDRESS	4	SSSFMDST	Addr of token -- data set level -- JES3 -- Client -- JES3 -- group level -- JES2
12	(C)	X'4'	0	SSSFMDDL	"*-SSSFMDTA" Len of data set token fields
16	(10)	BITSTRING	1		Extend section to common fields
		The remaining fields are common to both types of modify request.			
40	(28)	SIGNED	4	SSSFMDCM(0)	Beginning of common modify request data fields
40	(28)	CHARACTER	8	SSSFCART	CART for WTO responses (JES2)
48	(30)	SIGNED	4	SSSFCNID	Console ID for WTO responses (JES2)
52	(34)	SIGNED	2	SSSFMREA	Error reason code for modify
54	(36)	SIGNED	2	SSSFMDR1	Reserved for IBM use
56	(38)	CHARACTER	8	SSSFMDR2	Reserved for IBM use
		Output descriptor lists are in SWBTU/TU format as required by the SCHEDULER JCL facility (SJF).			
64	(40)	ADDRESS	4	SSSFMDAD	Address of output descriptor Modify list SWBTU format
68	(44)	ADDRESS	4	SSSFERAD	Address of output descriptor Erase list in TU format
72	(48)	SIGNED	2	SSSFMDLN	Length of Modify list (SWBTU)
74	(4A)	SIGNED	2	SSSFERLN	Length of Erase list (TU)
74	(4A)	X'40'	0	SSSFMRSZ	"*-SSSFRDA" Size of modify function area
		SFS Merge Request Dependent Extension Area Reason Codes for Scheduler Request MERGE (SSSFFREA)			
12	(C)	X'0'	0	SSSFFOK	"0" Merge processing successful/ if SSOBRETN <> 0 Check SSSFWRTN, SSSFWRSN for error info.
12	(C)	X'4'	0	SSSFFDST	"4" Data Set or Client token not given
12	(C)	X'8'	0	SSSFFDSG	"8" Data Set gone
12	(C)	X'C'	0	SSSFFDSV	"12" Failure obtaining checkpoint version (JES2 only)

Table 328. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	X'10'	0	SSSFFJBG	"16" Job gone
12	(C)	X'14'	0	SSSFFSWI	"20" Invalid SWBTU buffer
12	(C)	X'18'	0	SSSFFDSE	"24" Invalid data set or client token
12	(C)	X'1C'	0	SSSFFGTE	"28" Invalid group token
12	(C)	X'20'	0	SSSFFNOS	"32" No storage to process reqs
12	(C)	X'24'	0	SSSFFSPL	"36" Spool I/O error
12	(C)	X'28'	0	SSSFFTNU	"40" Token not usable for requested function
12	(C)	X'30'	0	SSSFFDSQ	"48" Data set on BDT/TCP queue (JES3)
12	(C)	X'34'	0	SSSFFDSF	"52" Data set referenced by JECL FORMAT statement (JES3)
SSSFFLG1 bit definitions					
		1...		SSSFFSWB	"B'10000000'" Provide non-SWA SWBs
		.1..		SSSFCPAT	"B'01000000'" Return compatibility SWBs
Input data The address of the group token can be zero. The address of the data set level or client token must be provided. The group token is returned by SSI 80 in field STSTCTKN A client token is returned by the DYNALLOC macro. The text unit DALRTCTK (number 0071) will return an 80 byte JES Client Token at offset 6 in the text unit. Note: In a JES3 environment, use the client token delivered by ENF58 with an ENF58_QUALIFIER value of ENF58_Q_TOKEN_CHANGE. A Group Level client token is only valid for JES2.					
12	(C)	ADDRESS	4	SSSFFGTK	Addr of group level token -- JES2 only
The data set level token is returned in field STVSCTKN when a verbose output request is made using SSI 80 (Extended Status). The address of a data set level token is returned in field SSS2DSTR for each data set returned by SSI 79 (SAPI). A client token is returned by the DYNALLOC macro. The text unit DALRTCTK (number 0071) will return an 80 byte JES Client Token at offset 6 in the text unit. JES3 requires a Data Set Level token or a client token. Note: In a JES3 environment, use the client token delivered by ENF58 with an ENF58_QUALIFIER value of ENF58_Q_TOKEN_CHANGE.					
16	(10)	ADDRESS	4	SSSFFDTK	Addr of token -- data set level -- or -- client --
Output data					
20	(14)	BITSTRING	4	SSSFFSWT	Token used for SJFREQ services.
24	(18)	ADDRESS	4	SSSFFSWU	Address of the SWBTU block.

Table 328. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
28	(1C)	SIGNED	2	SSSFFREA	Error reason code for Merge
30	(1E)	SIGNED	2		Reserved for future use
32	(20)	SIGNED	4	SSSFWRTN	SWB Processing Error - Return Code. Reason code field SSSFWRSN also set
32	(20)	X'0'	0	SSSFWOK	"0" Processing successful
32	(20)	X'4'	0	SSSFWERR	"4" Processing failed
		SSSFWRSN has the following values: SSSSCCRR where SSSSCCRR is defined as: SSSS Reason code from SJF service RR or a qualifier for a JES service error CC Return code from SJF service RR - 00 if RR is 4 or 8 RR indicates the SJF service or JES service 4 = JES SPOOL I/O Error 8 = JES Memory management error 12 = SWB_MERGE 16 = PUTSWB 20 = JDTEXTRACT 24 = SWBTUREQ RETRIEVE 28 = SWBTUREQ SPLICE 32 = SWBTUREQ SPLIT			
36	(24)	SIGNED	4	SSSFWRSN	SWB Processing Error - Reason code set to non- zero only if SSSFWRTN is non-zero
40	(28)	BITSTRING	1	SSSFRFLG	Returned flags
		1...		SSSFFIPA	"B'10000000'" IP address available
41	(29)	BITSTRING	3		Reserved for future use
41	(29)	X'20'	0	SSSFFMSZ	"*-SSSFRDA" Size of merge function area

Table 329. Cross Reference for SSSF

Name	Offset	Hex Tag
SSOBSFS	0	46
SSSFABND	0	18
SSSFBGN	0	0
SSSFCART	28	
SSSFCNID	30	
SSSFCPAT	C	40
SSSFCVER	7	3
SSSFDEST	C	80
SSSFDISA	0	2C
SSSFERAD	44	
SSSFERLN	4A	
SSSFEXC	0	28
SSSFEXTE	0	C
SSSFFDSE	C	18
SSSFFDSF	C	34
SSSFFDSG	C	8
SSSFFDSQ	C	30

Table 329. Cross Reference for SSSF (continued)

Name	Offset	Hex Tag
SSSFFDST	C	4
SSSFFDSV	C	C
SSSFFDTK	10	
SSSFFGTE	C	1C
SSSFFGTK	C	
SSSFFIPA	28	80
SSSFFJBG	C	10
SSSFFLG1	B	
SSSFFMSZ	29	20
SSSFFNOS	C	20
SSSFFOK	C	0
SSSFFREA	1C	
SSSFFSPL	C	24
SSSFFSWB	C	80
SSSFFSWI	C	14
SSSFFSWT	14	
SSSFFSWU	18	
SSSFFTNU	C	28
SSSFGLBL	0	30
SSSFGRPN	1C	
SSSFGRP1	24	
SSSFGRP2	26	
SSSFHSZE	C	C
SSSFID	0	E2E2E2C6
SSSFINRI	0	24
SSSFINVE	0	18
SSSFINVF	0	14
SSSFJBID	14	
SSSFJBNM	C	
SSSFLEN	4	
SSSFMDAD	40	
SSSFMDCM	28	
SSSFMDDL	C	4
SSSFMDJL	26	1C
SSSFMDLN	48	
SSSFMDNF	C	28
SSSFMDR1	36	
SSSFMDR2	38	
SSSFMDSB	C	2C
SSSFMDSF	C	34
SSSFMDSQ	C	30
SSSFMDST	C	
SSSFMDTA	C	
SSSFMGRP	C	C
SSSFMIVX	C	18
SSSFMJBE	C	8
SSSFMJNF	C	24
SSSFMNOS	C	10
SSSFMNTK	C	20

Table 329. Cross Reference for SSSF (continued)

Name	Offset	Hex Tag
SSSFMOK	C	0
SSSFMREA	34	
SSSFMRSZ	4A	40
SSSFMSCI	C	14
SSSFMSJF	C	38
SSSFMSPC	C	3C
SSSFMSPL	C	48
SSSFMSPT	C	40
SSSFMSTU	C	44
SSSFMTKE	C	1C
SSSFMTNU	C	4C
SSSFMTUE	C	4
SSSFMTYP	C	20
SSSFNOAU	0	20
SSSFNOJ2	0	10
SSSFNOST	0	10
SSSFOK	0	0
SSSFPOST	0	14
SSSFRDA	C	
SSSFREAS	8	
SSSFREQF	A	
SSSFRFLG	28	
SSSFRSV1	6	
SSSFSECL	C	40
SSSFSWBC	0	C
SSSFSWBF	0	8
SSSFSWBM	0	4
SSSFUERR	0	8
SSSFVER	7	
SSSFWERR	20	4
SSSFWOK	20	0
SSSFWRSN	24	
SSSFWRTN	20	

Chapter 96. SSSI Information

SSSI Heading Information

Common Name:	SSOB Extension for Step Initiation
Macro ID:	IEFSSSI
DSECT Name:	SSSI
Owning Component:	Initiator/terminator (SC1B6)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	20 bytes for SSOB plus 16 bytes for SSSI
Created by:	IEFSD162
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSSI mapping

Table 330. Structure SSSI

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	SSSI	
0	(0)	SIGNED	2	SSSILEN	LENGTH OF SSSI
2	(2)	SIGNED	2	*	RESERVED
		FOLLOWING FIELDS CONTAIN POINTERS TO THE INDICATED DATA, NUMBERS IN PARENTHESES INDICATE LENGTH OF AREA POINTED TO.			
4	(4)	ADDRESS	4	SSSIPSNM	FOR A NORMAL JOB, POINTER TO NAME ON THE 'EXEC PGM=' STATMENT. FOR A STARTED JOB, POINTER TO THE ID, UNIT TYPE, OR 'STARTING'. (8)
8	(8)	ADDRESS	4	SSSIPPSN	FOR A NORMAL JOB, POINTER TO NAME ON THE 'EXEC PROC=' STATEMENT (OR BLANKS). FOR A STARTED JOB, POINTER TO BLANKS. (8)
12	(C)	ADDRESS	4	SSSIPSNO	PTR TO STEP NUMBER(1)

Table 331. Constants for SSSI

Len	Type	Value	Name	Description
2	DECIMAL	22	SSOBNSSI	NOTIFY SUBSYSTEM OF STEP INITIATION

Chapter 97. SSSM Information

SSSM Programming Interface Information

SSSM is a programming interface.

SSSM Heading Information

Common Name:	SUBSYSTEM ACCOUNTING PARAMETERS
Macro ID:	IEFSSSM
DSECT Name:	SSSM
Owning Component:	System Management Facilities (SC100)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 241 Key: 0 Residency: Below
Size:	16 bytes ('10' in hex) FREQUENCY = 1 per subsystem
Created by:	IEEMB832
Pointed to by:	SSOBINDV
Serialization:	None
Function:	THIS MACRO MAPS ADDITIONAL INFORMATION PASSED TO SUBSYSTEMS AS PART OF SMF'S SET PROCESSING

SSSM mapping

Table 332. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 332. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
      START OF SPECIFICATIONS
      MACRO NAME = IEFSSSM
       ACRONYM = SSSM
      DESCRIPTIVE NAME = SUBSYSTEM ACCOUNTING PARAMETERS
      PROPRIETARY STATEMENT =
       LICENSED MATERIALS - PROPERTY OF IBM
       THIS MODULE IS "RESTRICTED MATERIALS OF IBM"
       5655-068 (C) COPYRIGHT IBM CORP. 1982, 1993
       SEE COPYRIGHT INSTRUCTIONS
      STATUS = HBB5510
      FUNCTION = THIS MACRO MAPS ADDITIONAL INFORMATION PASSED TO
                 SUBSYSTEMS AS PART OF SMF'S SET PROCESSING
      EXTERNAL CLASSIFICATION: GUPI
      END OF EXTERNAL CLASSIFICATION:
      NOTES =
          BILINGUAL MAPPING MACRO (PL/AS AND BAL)
        DEPENDENCIES =
          PL/AS VERSION = NONE
          BAL VERSION = NONE
        RESTRICTIONS =
          PL/AS VERSION = NONE
          BAL VERSION = NONE
      INVOCATION
      METHOD OF ACCESS =
        PL/AS INVOCATION =
    %DCL SSOBSSM CHAR
    %SSOBSM='BASED(ADDR(SUBPSSOB))' SET UP ADDRESSABILITY
    %INCLUDE SYSLIB(IEFSSSM)
    DCL SUBPPTR PTR(31) SUBPARM CHAIN PTR
    DCL 1 SUBPCHN BASED SUBPPTR, SUBPARM CHAIN
          2 SUBPNXT PTR(31), NEXT ELEMENT ON CHAIN
          2 SUBPSSNM CHAR(4), SUBSYSTEM NAME
          2 SUBPSTRG CHAR(60), UNPARSED STRING
          2 SUBPSSOB CHAR(LENGTH(SSSM)) SSOB EXTENSION
      PARAMETER DESCRIPTION = NONE
      PARAMETER INTERDEPENDENCIES = NONE
        BAL INVOCATION =
        NAME NAME: SYMBOL. BEGIN NAME IN COLUMN 1.
    B ONE OR MORE BLANKS (UP TO NINE)
    IEFSSSM SHOULD START IN COLUMN 10
    B ONE OR MORE BLANKS
      PARAMETER DESCRIPTION = NONE
      PARAMETER INTERDEPENDENCIES = NONE
      DSECT NAME = SSSM
      COMPONENT = System Management Facilities (SC100)
      EYE-CATCHER = None
      CREATED BY = IEEMB832
      POINTED TO BY = SSOBINDV
      DELETED BY = IEASMFSP or IEEMB827
      SERIALIZATION = None
      STORAGE ATTRIBUTES =
        ALLOCATION METHOD = GETMAIN
        SUBPOOL = 241
        KEY = 0
        RESIDENCY = Below
```

Table 332. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		SIZE = 16 bytes ('10' in hex) FREQUENCY = 1 per subsystem DISTRIBUTION LIBRARY = AMODGEN END OF SPECIFICATIONS CHANGE ACTIVITY = SEE BELOW A000000-999999 C - CHANGE DEFINE CONSTANT TO DEFINE STORAGE FOR THE SSSMFLGS AND SSSMCNID FIELDS C - Make prolog SHOWHDR compliant $L8=TSOOP ,HBB4420,870608,PDFS: CONSOLE ID AND TOKEN $0P=OY38306 ,HBB4420,910212,PDDH: SUBSYSTEM NAME NOT ECHOED $P1=PIG2206 ,HBB5510,930720,PDDH: CDPI: SHOWHDR Compliance %GOTO SSSMPLS;			
0	(0)	X'3A'	0	SSOBSMAC	"58" SUBSYSTEM ACCOUNTING FUNCTION ID
		SUBSYSTEM ACCOUNTING RETURN CODES (SSOBRETN) NO ADDITIONAL SUBSYSTEM ACCOUNTING RETURN CODES DEFINED			
0	(0)	X'0'	0	SSSMBGN	"*" SUBSYSTEM ACCOUNTING BEGINNING
0	(0)	ADDRESS	2	SSSMLEN	SUBSYSTEM ACCOUNTING EXTENSION LENGTH
2	(2)	BITSTRING	8	SSSMFLGS	INPUT SOURCE FLAGS
		1...		SSSMSMFA	"X'80'" SMF ACTIVE
		..1.		SSSMMEMB	"X'20'" FROM PARMLIB MEMBER
		...1		SSSMRPLY	"X'10'" FROM OPERATOR REPLY
		.... 1...		SSSMDFLT	"X'08'" FROM DEFAULT
		.... .1..		SSSMCONF	"X'04'" CHANGED BY CONFLICTING OPTIONS
		.... ..1.		SSSMCHNG	"X'02'" CHANGED BY IPL, SET SMF OR SETSMF
10	(A)	CHARACTER	1	SSSMOCON	OLD CONSOLE ID
11	(B)	CHARACTER	4	SSSMCNID	CONSOLE ID
15	(F)	CHARACTER	8	SSSTOKN	COMMAND & RESPONSE TOKEN
15	(F)	X'17'	0	SSSMSIZE	"*-SSSMBGN" EXTENSION LENGTH

Table 333. Cross Reference for SSSM

Name	Offset	Hex Tag
SSOBSMAC	0	3A
SSSMBGN	0	0
SSSMCHNG	2	2
SSSMCNID	B	
SSSMCONF	2	4
SSSMDFLT	2	8
SSSMFLGS	2	
SSSMLEN	0	
SSSMMEMB	2	20
SSSMOCON	A	
SSSMRPLY	2	10
SSSMSIZE	F	17
SSSMSMFA	2	80
SSSTOKN	F	

Chapter 98. SSSO Information

SSSO Programming Interface Information

The following fields are **NOT** programming interface information:

- SSSOFLG3
- SSSOFLG4
- SSSOGRID

SSSO Heading Information

Common Name:	SSOB Extension for Processing SYSOUT Datasets
Macro ID:	IEFSSSO
DSECT Name:	User specified, optional SSOBEXT if invoked including IEFJSSOB(SO),CONTIG=NO
Owning Component:	Subsystem Interface (SC1B6)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Determined by invoker of IEFSSREQ Key: Determined by invoker of IEFSSREQ
Size:	X'B0' bytes with extended SYSOUT data fields (SOEXT=YES) X'78' bytes without extended SYSOUT data fields
Created by:	Invoker of IEFSSREQ macro
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the Subsystem Interface for processing sysout datasets.

SSSO mapping

Table 334. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 334. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
     START OF SPECIFICATIONS
   MACRO NAME = IEFSSSO
   ACRONYM = SSSO
  DESCRIPTIVE NAME=SSOB Extension for Processing SYSOUT
                  Datasets
 01 PROPRIETARY STATEMENT=
   PROPRIETARY_STATEMENT
  LICENSED MATERIALS - PROPERTY OF IBM
  THIS MACRO IS "RESTRICTED MATERIALS OF IBM"
  5655-068 (C) COPYRIGHT IBM CORP. 1981, 1993
  SEE COPYRIGHT INSTRUCTIONS
  STATUS= HBB5510
   END_OF_PROPRIETARY_STATEMENT
   MODULE TYPE = MACRO
   FUNCTION = Parameter list for the Subsystem Interface for
              processing sysout datasets.
   NOTES = None
 01 EXTERNAL CLASSIFICATION:
 02 GUPI: BASE
 02 DMTI: FIELDS
           SSSOFLG3 SSSOFLG4 SSSOGRID
 01 END OF EXTERNAL CLASSIFICATION:
   INVOCATION
 01 METHOD OF ACCESS =
 02 BAL =
            THE MACRO HAS TWO CALLING SEQUENCES:
            1) IEFJSSOB (SO,...),CONTIG=YES/NO
                   WHERE THE VALUES WITHIN THE PARENTHESES
                   ARE THE FUNCTION IDS OF THE INDIVIDUAL
                   SSI EXTENSIONS REQUESTED. SO IS THE
                   FUNCTION ID FOR THE PROCESS SYSOUT DATA
                   SETS EXTENSION. ALSO PRODUCED IS THE
                   SSOB HEADER.
                   CONTIG=NO RESULTS IN A DSECT BEING
                   GENERATED BETWEEN THE SSOB HEADER AND
                   THE EXTENSION.
                   CONTIG=YES RESULTS IN THE EXTENSION
                   BEING CONTIGUOUS WITH THE SSOB HEADER.
                   (THIS IS THE DEFAULT)
            2) SSSO DSECT (OPTIONAL)
                   IEFSSSO SOEXT=YES/NO
                   SOEXT= YES-PRODUCE EXTENDED SYSOUT
                          DATA FIELDS
                   SOEXT= NO (DEFAULT) - DO NOT PRODUCE
                          EXTENDED SYSOUT DATA FIELDS
                   THIS CALLING SEQUENCE WILL PRODUCE
                   ONLY THE SO DATA AREA NOT THE SSOB
                   HEADER.
       NOTES ON THE ASSEMBLER INVOCATION:
        - AN 'ORG SSOBGN' APPEARS AT THE BEGINNING OF
          IEFSSSO. IEFJSSOB GENERATES THE DEFINITION OF
          SSOBGN ONLY WHEN AN EXTENSION IS SPECIFIED. IF
          IEFJSSOB IS NOT INVOKED, THE CALLER MUST DEFINE
          THIS SYMBOL.
```

Table 334. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
        - THE SYMBOL SSOBHSIZ IS REFERENCED IN THIS MACRO.
          SSOBHSIZ IS DEFINED IN THE MAPPING OF THE SSOB
          HEADER AS THE LENGTH OF THAT HEADER.
 02 PL/AS =
           %DCL SSOBSO CHAR
           %SSOBSO='VALUE'
                   WHERE 'VALUE'='BASED' OR
                         'VALUE'='BDY(WORD)'.
           THE FOLLOWING SEQUENCE IS USED TO CONTROL THE
           INCLUSION OF THE EXTENDED SYSOUT DATA FIELDS
           IN THE SO DATA AREA ONLY.
           %DCL SOEXT CHAR
           %SOEXT='YES' (PRODUCE EXTENDED SYSOUT DATA
                         FIELDS) OR
                  'NO' (DO NOT PRODUCE EXTENDED SYSOUT
                        DATA FIELDS)
           THEN CODE EITHER ONE OF THE FOLLOWING:
                  %INCLUDE SYSLIB(IEFJSSOB)
                    NOTE: INCLUDING IEFJSSOB WILL ALSO
                    GENERATE THE SSOB HEADER IF A MACRO
                    VARIABLE CALLED SSOBSSOB IS SET
                    TO A NON NULL/BLANK VALUE.
                  %INCLUDE SYSLIB(IEFSSSO)
    DSECT NAME = User specified, optional SSOBEXT if invoked
                 including IEFJSSOB(SO),CONTIG=NO
    COMPONENT = Subsystem Interface (SC1B6)
    EYE-CATCHER = None
    CREATED BY = Invoker of IEFSSREQ macro
    POINTED TO BY = SSOBINDV field of the SSOB data area
    SERIALIZATION = None
    STORAGE ATTRIBUTES =
      SUBPOOL = Determined by invoker of IEFSSREQ
      KEY = Determined by invoker of IEFSSREQ
      SIZE = X'B0' bytes with extended SYSOUT data
                 fields (SOEXT=YES)
                 X'78' bytes without extended SYSOUT
                 data fields
  CHANGE ACTIVITY = YM02726,Z30OPSD,ZA34144,T0268C6,
                    T1,D1,T2,D2
  WE ARE NO LONGER UPDATING THE ABOVE 'CHANGE ACTIVITY' FIELD
  $T1= OZ85933 JBB2133 850603 PDR6: PROCESS SYSOUT EXTENSION
  $D1= DCR0004 JBB3313 880802 PDM9: USER/WRITER NAME
  $T2= OY26433 JBB3313 891016 PDB2: DATASET DD NAME
  $D2= DEO0291 HBB4410 891127 PDB2: SECURITY TOKEN ADDRESS
  $P1= PKB0571 HBB4430 920318 PDPS: 10X DEFECT ELIMINATION
  $P2= PKB1537 HBB4430 920617 PDPS: 10X DEFECT ELIMINATION
```

Table 334. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
$P3= PIG1423 HBB5510 930715 PDBN: SHOWHDR format complete $P4= PIG2419 HBB5510 930909 PDBN: CDPI END OF SPECIFICATIONS SPLITOUT OF IEFSSSO MACRO FROM IEFJSSOB ADDED SSSOEXTD TO INDICATE AN EXTENDED PROCESS SYSOUT REQUEST ADDED CODE FOR PROCESS SYSOUT EXTENSION FOR APAR OZ85933 ADDED FLAGS TO INDICATE IF THE PROGRAM NAME IS A WRITER NAME OR A USER ID. ADDED FLAG AND FIELDS TO INDICATE THE DATASET DD NAME IS PRESENT ADDED AN ADDRESS FIELD THAT POINTS TO THE SECURITY TOKEN CORRECTED MISMATCH OF BAL AND PL/AS FIELDS (SSSODST, SSSOSDST). COMMENTED SSSOSDST AS AN ALTERNATE NAME FOR REMOTE USERID. ALSO UPDATED PROLOG FOR SHOW HEADER INFORMATION. A - ADDED PSO EXTENSIONS. C - Updated prologue with CDPI information and completed SHOWHDR information. C - Corrected CDPI information to be consistent with HBB4430 %GOTO SSSOPLS;					
0	(0)	X'1'	0	SSOBSOUT	"1" SYSOUT FUNCTION ID (SSOBFUNC)
0	(0)	X'4'	0	SSSOCVER	"4" CURRENT VERSION NUMBER OF THIS DATA AREA
0	(0)	X'3'	0	SSSODDVR	"3" VERSION SINCE WHICH DD NAME IS DEFINED IN THE SSSO EXTENSION
0	(0)	X'4'	0	SSSOGRNM	"4" FIRST VERSION IN WHICH THE SSSOOGNM, SSSOFOR8 AND SSSOACCT FIELDS SUPPORTED
PROCESS SYSOUT DATA SETS RETURN CODES (SSOBRETN)					
0	(0)	X'0'	0	SSSORTOK	"0" EVERYTHING IS OK
0	(0)	X'4'	0	SSSOEODS	"4" NO MORE DATA SETS TO SELECT
0	(0)	X'8'	0	SSSONJOB	"8" JOB NOT FOUND
0	(0)	X'C'	0	SSSOINVA	"12" INVALID SEARCH ARGUMENTS
0	(0)	X'10'	0	SSSOUNAV	"16" UNABLE TO PROCESS NOW
0	(0)	X'14'	0	SSSODUPJ	"20" DUPLICATE JOBNAMES
0	(0)	X'18'	0	SSSOINVJ	"24" INVALID JOBNAME/JOBID COMBINATION
0	(0)	X'1C'	0	SSSOIDST	"28" INVALID DESTINATION SPECIFIED
0	(0)	X'20'	0	SSSOAUTH	"32" AUTHORIZATION FAILED
0	(0)	X'24'	0	SSSOTKNM	"36" TOKEN MAP FAILED
0	(0)	X'0'	0	SSSOBGN	"*"
0	(0)	ADDRESS	2	SSSOLEN	SYSOUT EXTENSION LENGTH
2	(2)	BITSTRING	1	SSSOUFLG	USER SELECTION OPTIONS CLASS ROUTING AND DISPOSITION FLAGS
		1...		SSSOSETC	"X'80'" USE SSSOCLAS AS DISPOSITION
		.1..		SSSODELC	"X'40'" DELETE SELECTED DATA SET
		..1.		SSSOROUT	"X'20'" REROUTE SELECTED DATA SET TO DESTINATION IN SSSODEST
		...1		SSSOHOLD	"X'10'" HOLD ALL SELECTED DATA SETS
		.... 1...		SSSORLSE	"X'08'" RELEASE ALL SELECTED DATA SETS

Table 334. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		EQU X'07' RESERVED FLAGS			
3	(3)	BITSTRING	1	SSSOVER	VERSION NUMBER
4	(4)	BITSTRING	1	SSSOFLG1	DATA SET SELECTION CONTROL FLAGS
		1...		SSSOHLD	"X'80'" SELECTION SHOULD INCLUDE HELD SYSOUT DATA SETS
		.1..		SSSOSCLS	"X'40'" USE CLASS
		..1.		SSSODST	"X'20'" USE REMOTE DESTINATION
4	(4)	X'20'	0	SSSOSDST	"SSSODST" ALTERNATE NAME FOR REMOTE DESTINATION
		...1		SSSOSJBN	"X'10'" USE JOB NAME
		.... 1...		SSSOSJBI	"X'08'" USE JOB ID
		.... .1..		SSSOSPGM	"X'04'" USE USER WRITER PROGRAM NAME
		.... ..1.		SSSOSFRM	"X'02'" USE FORM NUMBER
		CAUTION. IF THE SSSOSFR8 BIT IS TURNED ON AND THE JES IS NOT AT THE LEVEL WHICH SUPPORTS 8 BYTE FORMS, THEN THE CALLER WILL GET UNPREDICTABLE RESULTS. THE JES WILL USE THE 4 BYTE FORMS CODE FOR SELECTION (SINCE SSSOSFRM IS ON).			
		1		SSSOSFR8	"X'01'" USE 8 BYTE FORM NUMBER FIELD FOR SELECTION (SSSOSFRM MUST BE ON TOO)
5	(5)	BITSTRING	1	SSSOFLG2	CURRENT DATA SET DISPOSITION FLAGS
		1...		SSSOCTRL	"X'80'" 1 - PROCESSING COMPLETED 0 - RETURN DATA SET NAME
		.1..		SSSOCHKP	"X'40'" USE SSSORBA TO CHECKPOINT RBA OF CURRENT DATA SET IN CLASS
		..1.		SSSOEXTD	"X'20'" EXTENDED PROCESS SYSOUT REQUEST
		...1		SSSOPSEE	"X'10'" PROCESS SYSOUT EXTENSION EXISTS
		.... 1...		SSSODDST	"X'08'" DD NAME HAS BEEN SET IN EXT.
		.... .111		SSSORSV3	"X'07'" RESERVED FLAGS
6	(6)	SIGNED	2	SSSOCOPY	NUMBER OF COPIES
8	(8)	CHARACTER	8	SSSOJOBN	JOB NAME
16	(10)	CHARACTER	8	SSSOJOBI	JOB ID
24	(18)	CHARACTER	1	SSSOCLAS	NAME OF DESTINATION CLASS SPECIFIED VIA THE NEWCLASS PARAMETER
25	(19)	CHARACTER	2	SSSOMLRL	MAXIMUM LOGICAL RECORD LENGTH
27	(1B)	CHARACTER	1	SSSOFLGA	FLAG BYTE
		1...		SSSOWTRN	"X'80'" WRITER NAME
		.1..		SSSOUSER	"X'40'" USERID
28	(1C)	CHARACTER	8	SSSODEST	REMOTE DESTINATION SPECIFIED VIA THE DEST PARAMETER
36	(24)	CHARACTER	8	SSSOPGMN	USER WRITER NAME
44	(2C)	CHARACTER	8	SSSORBA	RBA OF SYSOUT DATA SET
52	(34)	CHARACTER	44	SSSODSN	SYSOUT DATA SET NAME

Table 334. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
96	(60)	CHARACTER	4	SSSOFORM	FORM NUMBER (FIRST 4 BYTES IF 8 CHARACTER NUMBER)
SSSOCLSL WILL CONTAIN 1-8 CLASSES WHEN USED FOR REROUTING OR DELETE FUNCTIONS AND WILL CONTAIN ONLY ONE CLASS WHEN USED FOR PRINTING.					
100	(64)	CHARACTER	8	SSSOCLSL	CLASS SELECTION LIST FOR DATA SET SELECTION
108	(6C)	ADDRESS	4	SSSOWTRC	A POINTER TO A COMMUNICATION YM02726 AREA FOR THE USER WRITTEN YM02726 WRITER YM02726
112	(70)	CHARACTER	8	SSSODSID	DATA SET ID TO PLACE SYSOUT ON EXTERNAL DEVICES
PROCESS SYSOUT EXTENSION					
112	(70)	X'78'	0	SSSOPSE	"*" PROCESS SYSOUT EXTENSION
120	(78)	BITSTRING	1	SSSOFLG3	BDT CONTROL BYTE
		1...		SSSOSGID	"X'80'" SELECT BY GROUP IDENTIFIER
		.1..		SSSOJH	"X'40'" JOB HEADER
		..1.		SSSODSH	"X'20'" DATA SET HEADER
		...1		SSSODS	"X'10'" SYSOUT DATA SET
		.... 1...		SSSOJT	"X'08'" JOB TRAILER
EQU X'07' RESERVED					
121	(79)	BITSTRING	1	SSSOFLG4	USER JOB OPTION FLAG
		1...		SSSOJDEL	"X'80'" DELETE SPECIFIED JOB
		.1..		SSSOJREL	"X'40'" RELEASE SPECIFIED JOB
		..1.		SSSOJHLD	"X'20'" HOLD SPECIFIED JOB
EQU X'1F' RESERVED THE FIRST RELEASE OF SUPPORT FOR SECURITY TOKENS PROVIDED THE FIELD SSSOSECT AS THE ADDRESS OF THE SECURITY TOKEN AREA WHICH WAS TO BE PROVIDED BY THE CALLER. THERE WAS NO REQUIREMENT THAT THE CALLER PROVIDE THE LENGTH OR VERSION THAT WAS EXPECTED TO BE RETURNED. IT WAS ASSUMED THAT THE CALLER WOULD PROVIDE AN AREA LARGE ENOUGH FOR THE VERSION ONE FORM OF THE SAF TOKEN. THIS NEW SUPPORT WILL ALLOW THE CALLER TO SPECIFY THE LENGTH AND VERSION OF THE SAF TOKEN. THE TOKEN WILL BE TRANSFORMED FROM THE CURRENT VERSION AND LENGTH TO THE VERSION AND LENGTH REQUESTED BY THE CALLER VIA THE TOKENMAP SERVICE OF THE SAF INTERFACE. IN ORDER TO ALLOW MIGRATION OF PROCESS SYSOUT USERS, A TWO STAGE 'COMMIT' IS PROVIDED. THE PSO USER CAN ASK THAT THE LENGTH AND VERSION IN THE AREA POINTED TO BY SSSOSECT BE USED FOR TOKENMAP BY SETTING SSSOTKNR. IF THE JES SERVICING THE REQUEST HAS HAD THE OTHER HALF OF THIS UPDATE, IT WILL RETURN THE DATA IN THE REQUESTED FORMAT AND SET SSSOTKNG THAT SAYS IT DID SO. IF THE PROCESS SYSOUT USER DOES NOT ASK FOR THIS SERVICE, (BY NOT SETTING SSSOTKNR), THE JES WILL COPY THE TOKEN TO THE ADDRESS SPECIFIED IN SSSOSECT ASSUMING THAT THE LENGTH OF THE AREA IS THE SAME AS THE SAF VERSION ONE TOKEN LENGTH					
122	(7A)	BITSTRING	1	SSSOFLG5	FLAGS
		1...		SSSOTKNR	"X'80'" SAF TOKEN LEN/VER SET
		.1..		SSSOTKNG	"X'40'" SAF TOKEN TOKENMAPED
		..1.		SSSOGNVA	"X'20'" OUTPUT GROUP NAME PROVIDED

Table 334. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
	EQU X'1F'	RESERVED			
123	(7B)	CHARACTER	1	SSSORSV6	RESERVED
124	(7C)	CHARACTER	8	SSSOGRID	GROUP IDENTIFIER (FOR BDT TO JES3 COMMUNICATION ONLY)
132	(84)	SIGNED	4	SSSOLNCT	DATASET LINE COUNT
136	(88)	CHARACTER	8	SSSOPRCD	DATASET PROC NAME
144	(90)	CHARACTER	8	SSSOSTPD	DATASET STEP NAME
152	(98)	CHARACTER	8	SSSODDND	DATASET DD NAME
160	(A0)	ADDRESS	4	SSSOSECT	POINTER TO SECURITY TOKEN (SEE EXPLANATION OF SSSOFLG5 ABOVE)
164	(A4)	CHARACTER	8	SSSOFOR8	FORM NUMBER
	THE FOLLOWING WORD (SSSOACCT) CONTAINS THE ADDRESS OF A STRING OF ACCOUNTING INFORMATION. THE MEMORY POINTED TO IS MANAGED BY THE JES SERVICING THE PSO REQUEST. THE XWTR SHOULD HAVE AMODE 31 TO ACCESS THE MEMORY. THE ACCOUNTING STRING HAS THE FOLLOWING FORMAT: AL1(NUMBER-OF-PAIRS-THAT-FOLLOW) FOLLOWED BY 0 OR MORE ACCOUNTING PAIRS ACCOUNTING PAIRS ARE OF THE FORM: AL1(LENGTH),C'STRING OF LENGTH "LENGTH"' A LENGTH OF 0 INDICATES AN OMITTED FIELD				
172	(AC)	ADDRESS	4	SSSOACCT	ADDRESS OF ACCOUNTING STRING (OR ZERO)
	THE FOLLOWING FIELD HAS THE 26 CHARACTER JES2 JOE NAME (JOB OUTPUT ELEMENT NAME). THE STRING CAN BE USED AS GIVEN IN JES2 COMMANDS WHICH REQUIRE OUTGRP= SPECIFICATIONS. FLAG SSSOGNVA (IN SSSOFLG5) IS SET IF THE FIELD IS VALID. THE DATA SET RETURNED WITH A GIVEN OUTPUT GROUP NAME WILL NOT NECESSARILY CONTINUE TO HAVE THE GIVEN OUTPUT GROUP NAME IF THIS REQUEST (OR A LATER REQUEST) ASKS FOR HELD DATA SETS (SSSOUFLG ON) AND DATA SET CHARACTERISTICS ARE CHANGED (VIA A NON-ZERO SSSOUFLG).				
176	(B0)	CHARACTER	26	SSSOOGNM	JES2 OUTPUT GROUP NAME
202	(CA)	CHARACTER	14		RESERVED FOR FUTURE USE
202	(CA)	X'D8'	0	SSSOSIZE	"*-SSSOBGN" SYSOUT EXTENSION LENGTH
202	(CA)	X'F4'	0	SSOBLEN1	"SSOBHSIZ+SSSOSIZE" SSOB LENGTH=HEADER + SYSOUT EXTENSION

Table 335. Cross Reference for SSSO

Name	Offset	Hex Tag
SSOBLEN1	CA	F4
SSOBSOUT	0	1
SSSOACCT	AC	
SSSOAUTH	0	20
SSSOBGN	0	0
SSSOCHKP	5	40
SSSOCLAS	18	
SSSOCLSL	64	
SSSOCOPY	6	
SSSOCTRL	5	80

Table 335. Cross Reference for SSSO (continued)

Name	Offset	Hex Tag
SSSOCVER	0	4
SSSODDND	98	
SSSODDST	5	8
SSSODDVR	0	3
SSSODELC	2	40
SSSODEST	1C	
SSSODS	78	10
SSSODSH	78	20
SSSODSID	70	
SSSODSN	34	
SSSODST	4	20
SSSODUPJ	0	14
SSSOEODS	0	4
SSSOEXTD	5	20
SSSOFLGA	1B	
SSSOFLG1	4	
SSSOFLG2	5	
SSSOFLG3	78	
SSSOFLG4	79	
SSSOFLG5	7A	
SSSOFORM	60	
SSSOFOR8	A4	
SSSOGNVA	7A	20
SSSOGRID	7C	
SSSOGRNM	0	4
SSSOHLD	4	80
SSSOHOLD	2	10
SSSOIDST	0	1C
SSSOINVA	0	C
SSSOINVJ	0	18
SSSOJDEL	79	80
SSSOJH	78	40
SSSOJHLD	79	20
SSSOJOBI	10	
SSSOJOBN	8	
SSSOJREL	79	40
SSSOJT	78	8
SSSOLEN	0	
SSSOLNCT	84	
SSSOMLRL	19	
SSSONJOB	0	8
SSSOOGNM	B0	
SSSOPGMN	24	
SSSOPRCD	88	
SSSOPSE	70	78
SSSOPSEE	5	10
SSSORBA	2C	
SSSORLSE	2	8
SSSOROUT	2	20

Table 335. Cross Reference for SSSO (continued)

Name	Offset	Hex Tag
SSSORSV3	5	7
SSSORSV6	7B	
SSSORTOK	0	0
SSSOSCLS	4	40
SSSOSDST	4	20
SSSOSECT	A0	
SSSOSETC	2	80
SSSOSFRM	4	2
SSSOSFR8	4	1
SSSOSGID	78	80
SSSOSIZE	CA	D8
SSSOSJBI	4	8
SSSOSJBN	4	10
SSSOSPGM	4	4
SSSOSTPD	90	
SSSOTKNG	7A	40
SSSOTKNM	0	24
SSSOTKNR	7A	80
SSSOUFLG	2	
SSSOUNAV	0	10
SSSOUSER	1B	40
SSSOVER	3	
SSSOWTRC	6C	
SSSOWTRN	1B	80

Chapter 99. SSST Information

SSST Programming Interface Information

The following fields are **NOT** programming interface information:

- STAFSIZE
- STATPERF
- STATSTBG
- STATSTCP
- STATSTCP_64
- STATSTHL
- STATSTID
- STATSTNX
- STATSTNX_64
- STATSTOR
- STATSTPL
- STATSTRP
- STATSTRP_64
- STATSTSP
- STATSTTL
- STATTKHL
- STATTKID
- STATTKNX
- STATTKPR
- STATTKRS
- STATTKR2
- STATTKSN
- STATTKTK
- STATTRKP
- STJQSIZE
- STJQSIZ1
- STJQSIZ2
- STJ2SIZE
- STJ3SIZE
- STOTSIZE
- STO2SIZE
- STO3SIZE
- STSCSIZE
- STSESIZE
- STSLSIZE
- STSSSIZE
- STSTSIZE
- STS2SIZE

- STS3SIZE
- STTRSIZE
- STVBSIZE
- STVBSIZ1
- STVBSIZ2
- STVESIZE
- STVESIZ1
- STVESIZ2
- STVOSIZE
- STVOSIZ1
- STVOSIZ2
- STVSSIZE

SSST Heading Information

Common Name: SSOB Extension for Extended Status
Macro ID: IAZSSST
DSECT Name: STAT
Owning Component: JES Common (SC141)
Eye-Catcher ID: 'STAT'
Offset: 4
Length: 4
Storage Attributes: Subpool: any
Key: Key of SSI caller
Residency: Any
Size: See STATSIZE equate
Created by: Caller of SSI
Pointed to by: SSOBINDV in the IEFSSOBH mapping macro
Serialization: None required
Function: Defines the SSOB extension used to request status information for jobs in the JES queue.

SSST mapping

Table 336. Structure STAT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STAT	SSOB extension mapping - STAT
Extended Status return codes (SSOBRETN)					
0	(0)	X'0'	0	STATRTOK	"0" Everything is ok
0	(0)	X'4'	0	STATINVA	"4" Invalid search arguments
0	(0)	X'8'	0	STATLERR	"8" Logic error (See the reason codes defined for STATREAS)
0	(0)	X'C'	0	STATINVT	"12" Unsupported call type (STATTYPE)
0	(0)	ADDRESS	2	STATLEN	I.Length of status extension
2	(2)	CHARACTER	4	STATEYE	I.Eye catcher

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		There are two 2 byte versions for this SSOB extension. STATVER is the version provided by the caller. They indicate the level of the control block they are passing to the service. As new input fields are added to the service, the caller provided version indicates what the service is to consider valid. STATVERO is the version information returned from the service. This implies what fields the service actually examined and what data is returned. If the service is at a level higher than the level of the caller, STATVERO may be higher than STATVER. In this case, only the fields valid at the STATVER level are actually examined or set. The 2 bytes of version information is a 1 byte level number (changed only when a new release adds significant function) and a 1 byte modifier (changed only when function is added via service).			
6	(6)	SIGNED	2	STATVER(0)	I.SSOB version
6	(6)	ADDRESS	1	STATVERL	I.SSOB version level
7	(7)	ADDRESS	1	STATVERM	I.SSOB version modifier
7	(7)	BITSTRING	0	STATV010	"X'0100'" Initial version of macro
7	(7)	BITSTRING	0	STATV020	"X'0200'" WLM support
7	(7)	BITSTRING	0	STATV030	"X'0300'" Client print support
7	(7)	BITSTRING	0	STATV040	"X'0400'" VERBOSE/SLOW support
7	(7)	BITSTRING	0	STATV050	"X'0500'" Added fields for SDSF
7	(7)	BITSTRING	0	STATV060	"X'0600'" Data set list support
7	(7)	BITSTRING	0	STATV070	"X'0700'" Transaction selection
7	(7)	BITSTRING	0	STATV071	"X'0701'" Transaction sel active
7	(7)	BITSTRING	0	STATV080	"X'0800'" Job correlator support, 64-bit support
7	(7)	BITSTRING	0	STATV090	"X'0900'" Dependent job support
7	(7)	X'9'	0	STATCVRL	"9" Current version level
7	(7)	X'0'	0	STATCVRM	"0" Current version modifier
8	(8)	SIGNED	2	STATVERO	O.Subsystem version/modifier
10	(A)	SIGNED	1	STATREAS	O.Reason code associated with SSOBRETN
		Reason codes when SSOBRETN is STATRTOK (0)			
10	(A)	X'4'	0	STATRLMT	"4" Processing ended due to reaching specified limit
		Reason codes when SSOBRETN is STATLERR (8)			
10	(A)	X'4'	0	STATRDST	"4" One of STATDEST or STATDSTP is not a valid dest
10	(A)	X'8'	0	STATRJBL	"8" STATJBIL is not valid
10	(A)	X'C'	0	STATRJBH	"12" STATJBIH is not valid
10	(A)	X'10'	0	STATRJLM	"16" STATJBIH is less than STATJBIL
10	(A)	X'14'	0	STATRCLS	"20" One of STATCLSL or STATCLSP is not a valid job class

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
10	(A)	X'18'	0	STATRVOL	"24" STATSVOL is set but STATVOL is null or STATVOL specifies a volume serial name that is not valid
10	(A)	X'1C'	0	STATRPHZ	"28" One of STATPHAZ or STATPHZP is not valid or not supported on this subsystem
10	(A)	X'20'	0	STATRQUE	"32" Unable to access job queues
10	(A)	X'24'	0	STATREYE	"36" STATEYE is not set to C'STAT'
10	(A)	X'28'	0	STATRLEN	"40" STATLEN is too short
10	(A)	X'2C'	0	STATRJBN	"44" One of STATJOBN or STATJBNP is not a valid job name
10	(A)	X'30'	0	STATROWN	"48" STATOWNR is not a valid userid
10	(A)	X'34'	0	STATRSYS	"52" STATSYS is not a valid system name
10	(A)	X'38'	0	STATRMEM	"56" STATMEMB is not a valid member name
10	(A)	X'3C'	0	STATRCST	"60" STATSEL2 specifies to select only non-batch jobs and batch job class filering (STATSCLS) was requested.
10	(A)	X'40'	0	STATROJB	"64" STATOJBI is not valid
10	(A)	X'44'	0	STATRSEC	"68" STATSECL is not valid
10	(A)	X'48'	0	STATRORG	"72" STATORGN is not valid
10	(A)	X'4C'	0	STATRXEQ	"76" STATXEQN is not valid
10	(A)	X'50'	0	STATRPRI	"80" STATPRIO is not valid
10	(A)	X'54'	0	STATRSVC	"84" STATSRVC is not valid
10	(A)	X'58'	0	STATRSEN	"88" STATSENV is not valid
10	(A)	X'5C'	0	STATRSCT	"92" STATCTKN is not valid
10	(A)	X'60'	0	STATRSCR	"96" STATSCRE is not valid
10	(A)	X'64'	0	STATRSSD	"100" One of STATSDES or STATSDSP is not valid
10	(A)	X'68'	0	STATRSSC	"104" One of STATSCLA or STATSCLP is not valid
10	(A)	X'6C'	0	STATRSXW	"108" STATSWTR is not valid
10	(A)	X'70'	0	STATRECJ	"112" STATSCTK & STATSJBI are mutually exclusive
10	(A)	X'74'	0	STATRVBM	"116" STATVRBO or STATOUTV requested with incorrect filters
10	(A)	X'78'	0	STATRBEA	"120" STATTRSA does not point to a valid STATJQ or STATSE
10	(A)	X'7C'	0	STATRSFR	"124" STATSFOR is not valid
10	(A)	X'80'	0	STATRSPR	"128" STATSPRM is not valid
10	(A)	X'84'	0	STATRSUP	"132" Function or filter not supported
10	(A)	X'88'	0	STATRSUB	"136" STATSUBR is not valid
10	(A)	X'8C'	0	STATRNEX	"140" STATTRSA points to a non-existent job
10	(A)	X'90'	0	STATRIDS	"144" STATSSDS is set with either STATSSLC or STATSSNT

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
10	(A)	X'94'	0	STATRTRS	"148" STATTERS or STATOUTT requested with incorrect token type (SYSOUT token)
10	(A)	X'98'	0	STATRWIL	"152" STAT1CHR = STATZOMO and not both are zero
10	(A)	X'9C'	0	STATRJIL	"156" STATSJIL is set with either STATSJBN, STATSJBI, STATSCTK, STATSTPI, STATSTPN, STATSOJD, STATSCOR or STATSGRP
10	(A)	X'A0'	0	STATRJIP	"160" At least one of the JOBIDs in the list pointed to by STATJBNP is not valid
10	(A)	X'A4'	0	STATRJIZ	"164" STATSJIL is set and either STATJBNN or STATJBNP is zero
10	(A)	X'A8'	0	STATRJCR	"168" STATJCRP not valid
10	(A)	X'AC'	0	STATRJCO	"172" STATSCOR is set with STATSJBI, STATSCTK or STATSJIL
10	(A)	X'B0'	0	STATRJST	"176" User specified an incorrect sequence of 31-bit and 64-bit requests
10	(A)	X'B4'	0	STATRGRN	"180" One of STATGRPN or STATGRNP is not a valid job group name.
11	(B)	SIGNED	1	STATREA2	Secondary reason code. This field can be used to further qualify an error.

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					Each call to extended status must specify the type of call that is being made. In general, there are 2 types of calls. The first is to obtain data, and the second (STATMEM) is to free the data areas that have been obtained. Multiple data collection calls can be made without a memory management call. Additional requests to obtain data chains new response elements to the existing queues. The data obtain calls are divided into terse (or quick) calls and verbose (or slow) calls. Terse calls return less data but have lower overhead. Verbose calls, return more detailed data and involve multiple I/O requests. For this reason, verbose calls are limited in how much data can be obtained in a single request (SSI invocation). There are a number of ways to request verbose data. To obtain verbose job level data, set STATTYPE to STATVRBO and also one of the following inputs: - STATTRSA set to zeros and STATSJBI with STATJBIL and STATJBIH set to the same job ID (or STATJBIH set to zero). Both terse and verbose job data are returned. - STATTRSA set to zeros and STATSCTK with STATCTKN set to the SYSOUT token of the job you want verbose data for. Both terse and verbose job data are returned. - STATTRSA set to a STATJQ or STATSE (obtained previously with no intervening memory management call). In this case, the related STATJQ will have a verbose element (STATVE) chained in. To obtain verbose SYSOUT level data, set STATTYPE to STATOUTV and one of the following inputs: - STATTRSA set to zeros and STATSJBI with STATJBIL and STATJBIH set to the same job ID (or STATJBIH

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					set to zero). In this case, both terse and verbose job data are returned. Also, verbose SYSOUT data is returned for all valid SYSOUT data sets (chained into the STATJQ). If the job is still executing, STATVOs for data sets that are still open may also be returned. Finally terse SYSOUT data is returned. The STATVOs are chained into the STATSEs that they are associated with. - STATTRSA set to zeros and STATSCTK with STATCTKN set to the SYSOUT token of the SYSOUT group for which you want verbose data. Both terse and verbose job and SYSOUT data are returned (only for the data sets represented by the token passed). - STATTRSA set to a STATJQ (obtained previously with no intervening memory management call). Similar to case 1 (STATSJBI set) verbose job data will be chained into the STATJQ, STATVOs will be obtained for all valid SYSOUT data sets, and STATSEs will be obtained for all SYSOUT groups for the job. - STATTRSA set to a STATSE (obtained previously with no intervening memory management call). Similar to case 2 (STATSCTK set) verbose job data will be obtained for the job, and all the STATVOs related to the STATSE. - Additional SYSOUT filters can be set (bits set in STATSSLx) when STATTRSA is set to STATJQ or STATSJBI set. The STATSE are built that match the SYSOUT filters and then STATVOs are built that correspond to each of the STATSEs. In addition a list of all data sets associated with a single job can be requested by setting STATTYPE to STATDLST. Since this is considered a verbose type call (I/O is required to obtain the needed information), only information about a single job

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		can be requested (STATTRSA is supported). Note the following about STATDLST calls: - Information on all data sets is returned including instream (SYSIN) data sets, internal data sets, data set that will not print, and data sets that may have been already processed and "deleted". You can determine the type of data set being returned by examining bits in the STVSFLG1 byte. - One SYSOUT verbose element (STATVO) is returned per data set instance. Each STATVO will have a single SYSOUT terse section (STATSE). This includes instream (SYSIN) data sets. Data set grouping does not affect how data is returned. If JES3 is the subsystem returning information, and the data set has not been processed by output processing, the STATSE and STATSO will be mostly null (except for the data set name and token). This is because output processing is where JES3 resolves the various sources of output characteristics. - SYSOUT and JOB filters can be used to limit the amount of data that is returned. - Values for data returned will NOT always reflect attribute changes made after the data set was created (including changes made via operator command, SWB modify services, and exits). - If the STATSZDN option is requested, the log dataset will also be returned if the requested job represents a job Zone Dependency Network.			
12		(C) BITSTRING	1	STATTYPE(0)	I.Type of call
12		(C) X'1'	0	STATTERS	"1" Request type of Terse/Quick data to include only job level data. Data returned requires no I/O on behalf of the JES.
12		(C) X'2'	0	STATVRBO	"2" Request type Verbose/Slow data to include only job level data. Data includes that returned by the terse type of call. In addition data is returned which requires I/O on the part of the JES server (only valid for STATV040 and above callers)
12		(C) X'3'	0	STATMEM	"3" Request type of memory management The status support provided by the JES does memory management on behalf of the caller. When the caller is finished with the results of its Verbose or Terse request, a memory management call should be made in order that the memory allocated by the JES on behalf of the caller is released.

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	X'4'	0	STATOUTT	"4" Request type of Terse/quick data to include information on SYSOUT. Data returned requires no I/O on behalf of the JES. (only valid for STATV030 and above callers)
12	(C)	X'5'	0	STATOUTV	"5" Request type Verbose/Slow data to include information on SYSOUT. Data includes that returned by the terse type of call. In addition data is returned which requires I/O on the part of the JES server (only valid for STATV040 and above callers)
12	(C)	X'6'	0	STATDLST	"6" Request data set list for a job. This request obtains verbose type information for all data sets associated with a job. This includes info on SYSIN and other internal data sets. (only valid for STATV060 and above callers)
13	(D)	ADDRESS	3		Reserved for future use and must be zero
		STATSTRP and STATSTRP_64 are anchors for use by the subsystems that respond to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystems.			
16	(10)	ADDRESS	4	STATSTRP	Storage management anchor for 31-bit requests
		STATTRKP is a chain of diagnostic response areas built by the subsystems. It contains information about each subsystem that responds to a request (including individual return codes). It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystems.			
20	(14)	ADDRESS	4	STATTRKP	Diagnostic response area anchor
		Begin input-only fields			
24	(18)	BITSTRING	1	STATSEL1	IS.Job selection flags
		1...		STATSCLS	"B'10000000'" Use STATCLSL and STATCLSP as filters (Match any one class)
		.1..		STATSDST	"B'01000000'" Use STATDEST and STATDSTP as filters (Match any one dest)
		..1.		STATSJBN	"B'00100000'" Use STATJOBN and STATJBNP as filters (Match any one jobname). Mutually exclusive with STATSJIL

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		STATSJBI	"B'00010000'" Use STATJBIL and STATJBIH as filters. Mutually exclusive with STATSCTK, STATSJIL, and STATSCOR
		.... 1...		STATSOJI	"B'00001000'" Use STATOJBI as a filter
		.... .1..		STATSOWN	"B'00000100'" Use STATOWNR as a filter
		.... ..1.		STATSSEC	"B'00000010'" Use STATSECL as a filter
		1		STATSSUB	"B'00000001'" Use STATSUBR as a filter (only supported by JES3)
25	(19)	BITSTRING	1	STATSEL2	IS.More Job selection flags
		1...		STATSSTC	"B'10000000'" Select Started Tasks (STCs) (see note in STATSTYP)
		.1..		STATSTSU	"B'01000000'" Select Time Sharing Users (TSUs) (see note in STATSTYP)
		..1.		STATSJOB	"B'00100000'" Select batch jobs (JOBs) (see note in STATSTYP)
		...1		STATSAPC	"B'00010000'" Select APPC Initiator (see note in STATSTYP)
		.... 1...		STATSZDN	"B'00001000'" Select Zone Dependency Network jobs (jobs that represent an entire network of dependent jobs). (See note in STATSTYP)
		B'00000111' Reserved for future JOB types and must be zero			
		1111 1111		STATSTYP	"B'11111111'" If none of these bits is on, then selection will be as if ALL of the bits are on.
26	(1A)	BITSTRING	1	STATSEL3	IS.More job selection flags
		1...		STATSPRI	"B'10000000'" Use STATPRIO as a filter
		.1..		STATSVOL	"B'01000000'" Select Jobs based on the volume serial list in STATVOL
		..1.		STATSPHZ	"B'00100000'" Use STATPHAZ and STATPHZP as filters (match any one phase)
Note: If the following two bits are both on or both off then the hold state of the job will not be considered.					
		...1		STATSHLD	"B'00010000'" Select jobs which are held
		.... 1...		STATSNHL	"B'00001000'" Select jobs which are not held
		.... .1..		STATSSYS	"B'00000100'" Select jobs which are active on STATSYS
		.... ..1.		STATSMEM	"B'00000010'" Select jobs which are active on STATMEMB

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		STATSPOS	"B'00000001'" Obsolete. WLM Service queue position is always returned
27	(1B)	BITSTRING	1	STATSEL4	IS.More job selection flags
		1...		STATSORG	"B'10000000'" Use STATORGN as a filter
		.1..		STATSXEQ	"B'01000000'" Use STATXEQN as a filter
		..1.		STATSSRV	"B'00100000'" Use STATSRVC as a filter
		...1		STATSSEN	"B'00010000'" Use STATSENV as a filter
		.... 1...		STATSCLX	"B'00001000'" STATCLSL and STATCLSP filter apply only to jobs in STAT_SELECT or STAT_ONMAIN phase
		.... .1..		STATSOJD	"B'00000100'" STATJOBN, STATJBNP, STATJBIL and STATJBIH filters are not applied to jobs that created OUTPUT with STST1APC on. Mutually exclusive with STATSJIL
		.... ..1.		STATSQPS	"B'00000010'" Always return current job position in queue (even if a special queue scan is needed).
		1		STATSJIL	"B'00000001'" STATJBNP is a list of JES JOBIDs to return. Mutually exclusive with STATSJBN, STATSJBI, STATSCTK, STATSTPI, STATSTPN, STATSOJD, STATSCOR, and STATSGRP
28	(1C)	BITSTRING	1	STATSSL1	IS.SYSOUT selection flag
		1...		STATSCTK	"B'10000000'" Use STATCTKN as a filter. Mutually exclusive with STATSJBI and STATSCOR
		.1..		STATSSOW	"B'01000000'" Use STATSCRE as a filter
		..1.		STATSSDS	"B'00100000'" Use STATSDES and STATSDSP as filters (Match any one DEST). Mutually exclusive with STATSSLC or STATSSNT
		...1		STATSSCL	"B'00010000'" Use STATSCLA and STATSCLP as filters (Match any one SYSOUT class).
		.... 1...		STATSSWR	"B'00001000'" Use STATSWTR as a filter
STATSSHL and STATSSNH refer to the HOLD state of the SYSOUT. Hold in this case refers to the hold set by HOLD=YES on the DD card (or OUTDISP=HOLD/LEAVE on the OUTPUT card) or held by the operator or system. Note: If the following two bits are both on or both off then the hold state of the SYSOUT will not be considered.					
		.... .1..		STATSSHL	"B'00000100'" Select held SYSOUT

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		STATSSNH	"B'00000010'" Select non-held SYSOUT
		The following filters are only honored if the input version and the JES processing the request are at a STATV040 or higher level of support.			
29	(1D)	BITSTRING	1	STATSSL2	IS.More SYSOUT selection
		1...		STATSSFR	"B'10000000'" Use STATSFOR as a filter
		.1..		STATSSPR	"B'01000000'" Use STATSPRM as a filter
		Note: If the following two bits are both on or both off then the spin state of the output will not be considered.			
		..1.		STATSSSP	"B'00100000'" Select SPIN output
		...1		STATSSNS	"B'00010000'" Sel non-SPIN output
		The following filters are only honored if the input version and the JES processing the request are at a STATV050 or higher level of support.			
		Note: If the following two bits are both on or both off then the IP routing state of the output will not be considered.			
		.... 1...		STATSSIP	"B'00001000'" Select IP routed SYSOUT
		.... .1..		STATSSNI	"B'00000100'" Select non-IP routed SYSO
		.... ..1.		STATSSOD	"B'00000010'" If on with STATSSOW, also match if SYSOUT is destined to STATSCRE on the local node
		1		STATSSJD	"B'00000001'" If on with STATSJBN, also match if SYSOUT is destined to STATJOBN or STATJBNP on the local node. If STATSTPN on, also match if SYSOUT is destined to transaction job name on the local node. (ignored if STATSJBN off)
30	(1E)	CHARACTER	8	STATJOBN	IS*.Jobname used for selection (if STATSJBN on). Additional jobnames are pointed to by STATJBNP
38	(26)	CHARACTER	8	STATJBIL	IS*.Low jobid used for selection (if STATSJBI on).
46	(2E)	CHARACTER	8	STATJBIH	IS.High jobid used for selection (if STATSJBI on). This value must be null or at least as high as STATJBIL. This value must be null if STATJBIL is generic
54	(36)	CHARACTER	8	STATOJBI	IS.Original job id for selection (if STATSOJI on).
62	(3E)	CHARACTER	8	STATOWNR	IS*.Owning userid used for selection (if STATSOWN on)

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
70	(46)	CHARACTER	8	STATSECL	IS*.SECLABEL used for selection (if STATSSEC on)
78	(4E)	CHARACTER	18	STATDEST	IS*.Default print or punch destination value used for selection (if STATSDST on). Additional dests are pointed to by STATDSTP
96	(60)	CHARACTER	8	STATORGN	IS.Origin node name for selection (if STATSORG on)
104	(68)	CHARACTER	8	STATXEQN	IS.Execution node name for selection (if STATSXEQ on)
112	(70)	CHARACTER	8	STATCLSL	IS.Job class used for selection. (if STATSCLS is on) The job class is 1 to 8 characters in length. Additional classes are pointed to by STATCLSP
120	(78)	CHARACTER	6	STATVOL(4)	IS.List of SPOOL volume serial numbers. When STATSVOL is on, jobs are selected if and only if the job has output on at least one of the volumes listed. (JES2 only)
144	(90)	CHARACTER	8	STATSYS	IS*.MVS system name where job is active. Used for selection if STASSYS is on
152	(98)	CHARACTER	8	STATMEMB	IS*.JES member name where job is active. Used for selection if STASMEM is on
160	(A0)	BITSTRING	1	STATPRIO	IS.Job Priority used for selection (if STATSPRI is on)
161	(A1)	ADDRESS	1	STATPHAZ	IS.Job phase. Additional phases are pointed to by STATPHZP. When STATSPHZ is on jobs are selected if and only if they are in one of the specified phases
		Possible values for STATPHAZ The following are job phases that are exist when the job is running under JES3.			
161	(A1)	X'1'	0	STAT_NOSUB	"1" No subchain exists
161	(A1)	X'2'	0	STAT_FSSCI	"2" Active in CI in an FSS address space
161	(A1)	X'3'	0	STAT_PSCBAT	"3" Awaiting postscan (batch)
161	(A1)	X'4'	0	STAT_PSCDSL	"4" Awaiting postscan (demsel)
161	(A1)	X'5'	0	STAT_FETCH	"5" Awaiting volume fetch
161	(A1)	X'6'	0	STAT_VOLWT	"6" Awaiting start setup
161	(A1)	X'7'	0	STAT_SYSSEL	"7" Awaiting/active in MDS system select processing
161	(A1)	X'8'	0	STAT_ALLOC	"8" Awaiting resource allocation
161	(A1)	X'9'	0	STAT_VOLUAV	"9" Awaiting unavailable VOL(s)
161	(A1)	X'A'	0	STAT_VERIFY	"10" Awaiting volume mounts
161	(A1)	X'B'	0	STAT_SYSVER	"11" Awaiting/active in MDS system verify processing
161	(A1)	X'C'	0	STAT_ERROR	"12" Error during MDS processing
161	(A1)	X'D'	0	STAT_SELECT	"13" Awaiting selection on main

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
161	(A1)	X'E'	0	STAT_ONMAIN	"14" Scheduled on main
	EQU 15 Reserved (obsolete - ASP) EQU 16 Reserved (obsolete - ASP)				
161	(A1)	X'11'	0	STAT_BRKDWN	"17" Awaiting breakdown
161	(A1)	X'12'	0	STAT_RESTRT	"18" Awaiting MDS restart proc.
161	(A1)	X'13'	0	STAT_DONE	"19" Main and MDS proc. complete
161	(A1)	X'14'	0	STAT_OUTPT	"20" Awaiting output service
161	(A1)	X'15'	0	STAT_OUTQUE	"21" Awaiting output service WTR
161	(A1)	X'16'	0	STAT_OSWAIT	"22" Awaiting rsvd services
161	(A1)	X'17'	0	STAT_CMPLT	"23" Output service complete
161	(A1)	X'18'	0	STAT_DEMSEL	"24" Awaiting selection on main (demand select job)
161	(A1)	X'19'	0	STAT_EFWAIT	"25" Ending function rq waiting or i/o completion
161	(A1)	X'1A'	0	STAT_EFBAD	"26" Ending function rq not Processed
161	(A1)	X'1B'	0	STAT_MAXNDX	"27" Maximum rq index value
	The following are job phases that are exist when the job is running under JES2. Phases that are common between JES2 and JES3 are listed above and commented below.				
161	(A1)	X'80'	0	STAT_INPUT	"128" Active in input processing
161	(A1)	X'81'	0	STAT_WTCONV	"129" Awaiting conversion
161	(A1)	X'82'	0	STAT_CONV	"130" Active in conversion
VOLWT EQU 6 Awaiting SETUP					
161	(A1)	X'83'	0	STAT_SETUP	"131" Active in SETUP
SELECT EQU 13 Awaiting execution ONMAIN EQU 14 Actively executing					
161	(A1)	X'84'	0	STAT_SPIN	"132" Active in spin
161	(A1)	X'85'	0	STAT_WTBKDN	"133" Awaiting output
BRKDWN EQU 17 Active in output OUTPT EQU 20 Awaiting hardcopy					
161	(A1)	X'86'	0	STAT_WTPURG	"134" Awaiting purge
161	(A1)	X'87'	0	STAT_PURG	"135" Active in purge
161	(A1)	X'88'	0	STAT_RECV	"136" Active on NJE sysout receiver
161	(A1)	X'89'	0	STAT_WTXMIT	"137" Awaiting NJE transmission
161	(A1)	X'8A'	0	STAT_XMIT	"138" Active on NJE Job transmitter
	The following are job phases are used for selection (STATPHAZ) and are composits of the other phases. The output field STTRPHAZ will never indicate a job is in this phase.				
161	(A1)	X'FD'	0	STAT_EXEC	"253" Job has not completed execution
161	(A1)	X'FE'	0	STAT_POSTEX	"254" Job has completed execution

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		The following fields are only honored if the input version is at least version 2 and the JES processing the request is at least at a version 2 level of support.			
162	(A2)	CHARACTER	8	STATSRVC	IS.WLM service class for selection (if STATSSRV is on)
170	(AA)	CHARACTER	16	STATSENV	IS*.WLM Scheduling environ for selection (if STATSSEN is on)
		An option byte is provided to allow the user to influence extended status processing.			
186	(BA)	BITSTRING	1	STATOPT1	I.Option byte
		1...		STAT1RAC	"B'10000000'" Do seclabel dominance check
		.1..		STAT1LCL	"B'01000000'" Destinations that resolve to the local node should return LOCAL/ANYLOCAL. (if off the local node name is returned)
		..1.		STAT1WSI	"B'00100000'" Return one STATSE for each Work Selection Identifier returned within a job. (only supported by JES3)
		...1		STAT1LMT	"B'00010000'" Limit the number of STATJQ elements returned using value set in STATJQLM
		.... 1...		STAT1NDP	"B'00001000'" Suppress duplicate data sets returned in DSLIST request
		.... .1..		STAT1B64	"B'00000100'" Returned areas may be obtained in 64-bit storage
		The following flags will cause the extended status request to be delayed until the latest information is available from JES2. Setting these bits can result in additional processing overhead in JES2.			
		.... ..1.		STAT1WMS	"B'00000010'" Wait for latest MAS level information (JES2 only)
		1		STAT1WMB	"B'00000001'" Wait for latest member information (JES2 only)
		The following filters are only honored if the input version and the JES processing the request are at a STATV050 or higher level of support.			
187	(BB)	BITSTRING	1	STATSSL3	IS.More SYSOUT selection
		Note: If the following two bits are both on or both off then the destination of the output will not be considered. However, either bit being on in mutually exclusive with STATSSDS being set.			
		1...		STATSSLC	"B'10000000'" Select SYSOUT that is destined to the local node
		.1..		STATSSNT	"B'01000000'" Select SYSOUT that is not destined to the local node

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		EQU B'00100000' Reserved If STATSSNJ is on, then NJE output is considered as OUTDISP of WRITE (no matter what the actual OUTDISP is)			
	...1			STATSSNJ	"B'00010000'" NJE output as WRITE
		The following allow selection based on SYSOUT OUTDISP value All bits on or all bits off imply OUTDISP is not considered			
	.... 1...			STATSWRT	"B'00001000'" Select OUTDISP=WRITE
	.... .1..			STATSHOL	"B'00000100'" Select OUTDISP=HOLD
	.... ..1.			STATSKEP	"B'00000010'" Select OUTDISP=KEEP
	1			STATSLVE	"B'00000001'" Select OUTDISP=LEAVE
		Instead of passing data back to the processing routine in storage obtained by the subsystem, data can be passed to a processing routine one block at a time. The processing routine is given control in AMODE 31 in the PSW key and state of the caller of the SSI. The register convention are as follows: R0 n/a R1 STATPARM parm list address R2-R12 n/a R13 Available save area R14 return address R15 entry address Note: Even if you use a processing routine, you still must make a memory management call.			
188	(BC)	ADDRESS	4	STATRTN	I.Data processing routine
192	(C0)	SIGNED	4	STATRPRM	I.Routine parameter area
		Terse data area to be expanded (for STATVRBO and STATOUTV functions only). A pointer to either a STATJQ, a STATSE or zero can be specified. If zero, then a specific job must be requested either by specifying STATJBIL and STATJBIH as a single job or by specifying STATCTKN. Note that when the terse area was returned in 64-bit storage, STATTRSA_64 should be used instead of STATTRSA. For broadcast SSIs, if STATO164 is on, it is possible to have both 31-bit chained elements anchored from STATJOBF and 64-bit chained elements anchored from STATJOBF_64. In that case the caller should set STATTRSA if the job was chained to STATJOBF, and STATTRSA_64 if the job was chained to STATJOBF_64. For directed SSIs, a test of STATO164 is adequate to determine which field to set. Only valid if the input version and the JES version is STATV040 or higher.			
196	(C4)	ADDRESS	4	STATTRSA	I.STATJQ, STATSE for which verbose data is to be obtained (or zero) (31-bit)

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
200	(C8)	BITSTRING	1	STATSSL4	IS.More SYSOUT selection
		The following filters are only honored if the input version and the JES processing the request are at a STATV071 or higher level of support.			
		1...		STATSTPN	"B'10000000'" Match STATJOBN and STATJBNP to transaction job names (if STATSOJD is on for JES2) Mutually exclusive with STATSJIL
		.1..		STATSTPI	"B'01000000'" Match STATJBIL and STATJBIH to transaction job IDs (if STATSOJD is on for JES2). If on, STATJBIL and STATJBIH can be EBCDIC characters (A-Z, 0-9). Mutually exclusive with STATSJIL
		..1.		STATSTPU	"B'00100000'" Match STATOWNR to transaction owner
		STATSSJ1 has the identical meaning as STATSSJD except the jobname match will be made against the first jobname only , the one supplied in STATJOBN.			
		...1		STATSSJ1	"B'00010000'" See explanation above
		Specify STAT1CHR and STATZOMO to tell the SSI service what characters in selection EBCDIC strings are considered wild cards. If STAT1CHR and STATZOMO are not specified, the default wild cards used are "?" for STAT1CHR and " " for STATZOMO. If either value is not X'00', i.e. if either is specified, then both provided values are used even if one value is X'00'. It is an error to specify equal values for STAT1CHR and STATZOMO unless the equal values are X'00'. If both X'00', the default values are used.			
201	(C9)	CHARACTER	1	STAT1CHR	I.Wild card matching exactly one character
202	(CA)	CHARACTER	1	STATZOMO	I.Wild card matching 0 or more characters
		The following filters are only honored if the input version and the JES processing the request are at a STATV080 or higher level of support.			
203	(CB)	BITSTRING	1	STATSEL5	IS.More job selection flags
		1...		STATSCOR	"B'10000000'" Use STATJCRP as a pointer to job correlator filter. Mutually exclusive with STATSJBI, STATSCTK and STATSJIL
		.1..		STATSGRP	"B'01000000'" Use STATGRPN and STATGRNP as filters (Match any one job group name). Mutually exclusive with STATSJIL.
204	(CC)	SIGNED	4	STATJQLM	I.Limit on how many STATJQs can be returned on this call (if STAT1LMT set)

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		The following options are only honored if the input version and the JES processing the request are at a STATV090 or higher level of support.			
208	(D0)	BITSTRING	1	STATOPT2	I.More options
		1...		STAT2DEP	"B'10000000'" Return a list of job dependency objects (STATDBs) with the job (STATJQ) if the job participates in a Job Dependency Network (see ptr STJQDEP8/STJQDEP4).
		.1..		STAT2ZDN	"B'01000000'" If a job representing a Dependency Network is being processed, and this bit is ON, the job (STZNJOB8) and dependency (STZNDEP8) lists in section STATJZDN will be returned. Otherwise, the lists will be empty. See section STATJZDN for more info.
209	(D1)	BITSTRING	3		Reserved for future use and must be zero
		Begin output-only fields NOTE: When STATO164 is set on return, the 64-bit versions of the chaining fields should be used. For broadcast SSIs, if STATO164 is on, it is possible to have both 31-bit chained elements anchored from STATJOBF and 64-bit chained elements anchored from STATJOBF_64. In that case the caller should check both queue heads and use the appropriate chain pointers based on which queue is being processed at the time.			
212	(D4)	ADDRESS	4	STATJOBF	O.Address of first Job Queue Element (31-bit)
216	(D8)	SIGNED	4	STATNRJQ	O.Number of jobs found
220	(DC)	SIGNED	4	STATNRSE	O.Number of SYSOUT elements found
224	(E0)	DBL WORD	8	STATPERF	O.Performance index for last performed request
232	(E8)	BITSTRING	1	STATOFG1	O.Output flags
		1...		STATO1CP	"B'10000000'" Information was obtained from a copy of the JOB or output queue
		.1..		STATO164	"B'01000000'" The request to use 64-bit storage for returned areas was honored.
233	(E9)	BITSTRING	3		Reserved for future use and must be zero.
236	(EC)	ADDRESS	4	STATOHLD	O.IAZOHLD table for processing STSTHRSN
240	(F0)	ADDRESS	4	STATOHIX	O.IAZOHLD index table for processing STSTHRSN
244	(F4)	SIGNED	4		Reserved for future use and must be zero.

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
248	(F8)	ADDRESS	8	STATJOBF_64	O.Address of first Job Queue Element (64-bit)
256	(100)	ADDRESS	4	STATPHTP	O.Ptr to table for processing STTRPHAZ
260	(104)	ADDRESS	4	STATJDTP	O.Ptr to table for processing STSCAHLD and STSCAHL2
264	(108)	SIGNED	4	(2)	Reserved for future use and must be zero.
		STATSTRP and STATSTRP_64 are anchors for use by the subsystems that respond to this request. It is expected that the caller will set this to zero the FIRST time an SSOB extension is used and from that point on it will be managed by the subsystems. Note that it is possible for elements on STATSTRP_64 to reside in 31-bit storage if 64-bit storage is unavailable (for example, due to MEMLIM constraint)			
272	(110)	ADDRESS	8	STATSTRP_64	Storage management anchor for 64-bit storage requests
280	(118)	DBL WORD	8	(0)	Ensure size Dword aligned
280	(118)	X'118'	0	STATSIZ1	"*-STAT" Original size of SSOB extension
280	(118)	X'118'	0	STATSIZ2	"*-STAT" Version 2 size of SSOB extension
		Begin SYSOUT input only fields The following fields are only honored if the input version and the JES processing the request are at a STATV030 or higher level of support.			
280	(118)	ADDRESS	4	STATCTKN	IS. Address of client token for selection (if STATSCTK on).
284	(11C)	CHARACTER	8	STATSCRE	IS*.SYSOUT owner (creator) for selection (if STATSSOW is on).
292	(124)	CHARACTER	18	STATSDES	IS*.SYSOUT destination for selection (if STATSSDS is on). Additional destinations pointed to by STATDSDP
310	(136)	CHARACTER	8	STATSCLA	IS. SYSOUT class for selection (if STATSSCL is on). The SYSOUT class is 1 to 8 characters in length. Additional classes pointed to by STATSCLP
318	(13E)	CHARACTER	8	STATSWTR	IS*.SYSOUT writer name for selection (if STATSSWR is on).
		The following fields are only honored if the input version and the JES processing the request are at a STATV040 or higher level of support.			
326	(146)	CHARACTER	8	STATSFOR	IS*.SYSOUT forms name for selection (if STATSSFR is on).
334	(14E)	CHARACTER	8	STATSPRM	IS*.SYSOUT PRMODE for selection (if STATSSPR is on).
342	(156)	BITSTRING	2		Reserved for future use and must be zero

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
344	(158)	CHARACTER	8	STATSUBR	IS*.Submitting userid used for selection (if STATSSUB is on) JES3 only
		The following fields are only honored if the input version and the JES processing the request are at a STATV050 or higher level of support. Additional input filter values Each additional filter is a count followed by a pointer to a list of values. Any one value (of a type) that matches is considered passing. You must place the first value in the base field. Failure do so will result in an invalid parameter error. For example, to filter on the job classes A, B, C, or D you would set: STATCLSL = C'A ' First class to filter on STATCLSN = F'3' Number of additional classes STATCLSP = A(CLASSLST) Pointer to class list CLASSLST = CL8'B ',CL8'C ',CL8'D ' List of 3 additional 8 byte classes				
352	(160)	SIGNED	4	STATCLSN	IS.Additional job class
356	(164)	ADDRESS	4	STATCLSP	count and pointer to 8 byte STATCLSL ext
360	(168)	SIGNED	4	STATJBNN	IS*.Additional job name
364	(16C)	ADDRESS	4	STATJBNP	count and pointer or jobid count and list (8 byte entries)
368	(170)	SIGNED	4	STATDSTN	IS*.Additional job dest
372	(174)	ADDRESS	4	STATDSTP	count and pointer to 18 byte STATDEST ext
376	(178)	SIGNED	4	STATPHZN	IS.Additional job phase
380	(17C)	ADDRESS	4	STATPHZP	count and pointer to 1 byte STATPHAZ ext
384	(180)	SIGNED	4	STATSCLN	IS.Additional SYSOUT class
388	(184)	ADDRESS	4	STATSCLP	count and pointer to 8 byte STATSCLA ext
392	(188)	SIGNED	4	STATSDSN	IS*.Additional SYSOUT dest
396	(18C)	ADDRESS	4	STATSDSP	count and pointer to 18 byte STATSDES ext
400	(190)	ADDRESS	4	STATJCRP	IS*.Address of job correlator for selection (if STATSCOR is ON)
404	(194)	SIGNED	4		Reserved for future use and must be zero
		Terse data area to be expanded for 64-bit callers. See STATTRSA for usage.			
408	(198)	ADDRESS	8	STATTRSA_64	I.STATJQ, STATSE for which verbose data is to be obtained (or zero) for 64-bit calls
		Additional input filter values			
416	(1A0)	CHARACTER	8	STATGRPN	IS*.Job group name used for selection (if STATSGRP is on). Additional job group names are pointed to by STATGRNP.
424	(1A8)	SIGNED	4	STATGRNN	IS*.Additional Job Group

Table 336. Structure STAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
428	(1AC)	ADDRESS	4	STATGRNP	name count and pointer (8 byte entries) - See STATGRPN.
432	(1B0)	SIGNED	4	(6)	Reserved for future use and must be zero
432	(1B0)	X'1C8'	0	STATSIZ3	"*-STAT" Version 3 size of SSOB extension
432	(1B0)	X'1C8'	0	STATSIZ4	"*-STAT" Version 4 size of SSOB extension
432	(1B0)	X'1C8'	0	STATSIZ5	"*-STAT" Version 5 size of SSOB extension
432	(1B0)	X'1C8'	0	STATSIZ6	"*-STAT" Version 6 size of SSOB extension
432	(1B0)	X'1C8'	0	STATSIZ7	"*-STAT" Version 7 size of SSOB extension
432	(1B0)	X'1C8'	0	STATSIZ8	"*-STAT" Version 8 size of SSOB extension
432	(1B0)	X'1C8'	0	STATSIZ9	"*-STAT" Version 9 size of SSOB extension
432	(1B0)	X'1C8'	0	STATSIZE	"*-STAT" Length of enhanced status SSOB ext
432	(1B0)	X'1E8'	0	SSSTLEN8	"((SSOBHSIZ+7)/8)*8+STATSIZE" Total length of SSOB with ST SSOB Extension

Table 337. Structure STATSTOR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSTOR	, Storage management DSECT
0	(0)	CHARACTER	8	STATSTID	Full eyecatcher
8	(8)	ADDRESS	2	STATSTHL	Length of header area
10	(A)	ADDRESS	2		Reserved for future use
12	(C)	BITSTRING	1	STATSTSP	Subpool of area
12	(C)	X'E6'	0	STATSTPL	"230" Recommended subpool to use
13	(D)	ADDRESS	3	STATSTTL	Total length of area (this includes the header)
16	(10)	ADDRESS	4	STATSTNX	Pointer to next area
20	(14)	ADDRESS	4	STATSTCP	Pointer to 1st available byte in this area
24	(18)	ADDRESS	4	STATSTBG(0)	Start of data area (31-bit compatibility)
24	(18)	ADDRESS	8	STATSTNX_64	Pointer to next area (64-bit)
32	(20)	ADDRESS	8	STATSTCP_64	Pointer to 1st available byte in this area (64-bit)
40	(28)	ADDRESS	4	STATSTB2(0)	Start of data area (version 2)

Table 338. Structure STATTRAK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATTRAK	, Diagnostic data DSECT
0	(0)	CHARACTER	8	STATTKID	Full eyecatcher
8	(8)	ADDRESS	2	STATTKHL	Length of header area

Table 338. Structure STATTRAK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
10	(A)	BITSTRING	2	STATTKVR	Copy of STATVERO
12	(C)	ADDRESS	4	STATTKNX	Address of next area
16	(10)	CHARACTER	4	STATTKSN	Subsystem name
20	(14)	SIGNED	1	STATTKRS	Copy of STATREAS
		1111 1111		STATTKSK	"X'FF'" Reason code if member skipped
21	(15)	SIGNED	1	STATTKR2	Copy of STATREA2
22	(16)	BITSTRING	2		Reserved for future use
24	(18)	BITSTRING	8	STATTKTK	Token for use by subsystem
32	(20)	DBL WORD	8	STATTKPR	Copy of STATPERF
32	(20)	X'28'	0	STATTKND	"*" End of area

Table 339. Structure STATPARM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATPARM	, Routine parm list
0	(0)	SIGNED	2	STATPSIZ	Size of parameter list
2	(2)	BITSTRING	2	STATPVER	Copy of STATVERO
4	(4)	SIGNED	4	STATPPRM	Parm passed in STATRPRM
8	(8)	SIGNED	4	STATPWRK	Work area
		One of the following pointers will always be set, but not both. Before checking STATPELM_64, STATPSIZ should also be checked to ensure that the parameter list is large enough to contain that field.			
12	(C)	ADDRESS	4	STATPELM	Addr of Job Queue Element (31-bit request)
16	(10)	ADDRESS	8	STATPELM_64	Addr of Job Queue Element (64-bit request)
16	(10)	X'18'	0	STATPLEN	"*-STATPARM" Length of area

Table 340. Structure STATJQ

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJQ	, Job data section prolog
0	(0)	CHARACTER	4	STJQEYE	Eye catcher
4	(4)	ADDRESS	2	STJQOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	STJQNEXT	Address of next Job Queue Element
12	(C)	ADDRESS	4	STJQSE	Address of first SYSOUT element
16	(10)	CHARACTER	4	STJQOSS	Name of Subsystem which created this Job Queue Element
20	(14)	ADDRESS	4	STJQVRBO	Address of JOB level verbose section
24	(18)	ADDRESS	4	STJQSVRB	Address of 1st SYSOUT verbose data element
24	(18)	X'1C'	0	STJQSIZ1	"*-STATJQ" Size of prologue (version 1)
28	(1C)	SIGNED	4		Reserved for future use
32	(20)	ADDRESS	8	STJQNEXT_64	Address of next Job Queue Element (64-bit request)

Table 340. Structure STATJQ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
40	(28)	ADDRESS	8	STJQSE_64	Address of first SYSOUT element (64-bit request)
48	(30)	ADDRESS	8	STJQVRBO_64	Address of JOB level verbose section (64-bit request)
56	(38)	ADDRESS	8	STJQSVRB_64	Address of 1st SYSOUT verbose data element element (64-bit request)
56	(38)	X'40'	0	STJQSIZ2	"*-STATJQ" Size of prologue (version 2)
		Associated chain of dependency blocks (STATDBs). Returned if the job has dependencies and the 'return dependencies' (STAT2DEP) option is requested.			
64	(40)	ADDRESS	8	STJQDEP8	Pointer to associated chain of Dependency Blocks (STATDBs) - zero if none. (use if STAT1B64=ON)
64	(40)	X'44'	0	STJQDEP4	"STJQDEP8+4,4,C'A'" 31-bit part of STJQDEP8 - (use if STAT1B64=OFF)
64	(40)	X'48'	0	STJQSIZ3	"*-STATJQ" Size of prologue (version 3)
64	(40)	X'48'	0	STJQSIZE	"*-STATJQ" Current size of prologue
		Section type flags General conventions for section number assignment Bits Value meaning 0-1 00 job level section 01 SYSOUT level section 2 0 quick/terse data section 1 slow/verbose data section 3-7 00000 overall header section xxxxx section number			
		....		STHD1HDR	"B'00000000'" First Header Section type
		1		STTRTERS	"B'00000001'" Job level terse section
		.... ..1.		STJ2TERS	"B'00000010'" JES2 Terse section type
		11		STAFFIN	"B'00000011'" Affinity section type
		.... .1..		STSCHED	"B'00000100'" Scheduling section
		.... .1.1		STSECLAF	"B'00000101'" SECLABEL affinity section
		.... .11.		STJ3TERS	"B'00000110'" JES3 Terse section type
		.... .111		STJ2JZDN	"B'00000111'" JES2 Job Zone Dependency Network section type (see STATJZDN).
		.... 1...		STDB1HDR	"B'00001000'" JES2 Job Dependency Block (STATDB) - First header section type (see STATDBHD).

Table 340. Structure STATJQ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1..1		STDBTERS	"B'00001001'" JES2 Job Dependency Block (STATDB) - Terse section type (see STATDBTE).
		..1.		STJV1HDR	"B'00100000'" First job verbose section
		..1. ...1		STVBVRBO	"B'00100001'" Job level verbose section
		..1. ..1.		STV2VRBO	"B'00100010'" JES2 verbose section type
		..1. ..11		STV3VRBO	"B'00100011'" JES3 verbose section type
		..1. .1..		STSESEC	"B'00100100'" Security section
		..1. .1.1		STACACCT	"B'00100101'" Accounting section
		.1..		STSH1HDR	"B'01000000'" First SYSOUT section type
		.1.. ...1		STSTTERS	"B'01000001'" SYSOUT level terse section
		.1.. ..1.		STS2TERS	"B'01000010'" JES2 SYSOUT section
		.1.. ..11		STS3TERS	"B'01000011'" JES3 SYSOUT section
		.1.. .1.1		STSATERS	"B'01000101'" Transaction (APPC) SYSOUT terse section
		.11.		STSV1HDR	"B'01100000'" 1st SYSOUT verbose section
		.11. ...1		STVSVRBO	"B'01100001'" SYSOUT level verbose sect
		.11. ..1.		STO2VRBO	"B'01100010'" JES2 verbose section type
		.11. ..11		STO3VRBO	"B'01100011'" JES3 verbose section type
		.11. .1..		STSOSEC	"B'01100100'" Security section
		.11. .1.1		STOTAPPC	"B'01100101'" Transaction (APPC) SYSOUT section

Table 341. Structure STATJQHD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJQHD	, Job data section header
0	(0)	ADDRESS	2	STHDLEN	Length of entire job header (Max value is 65535)
2	(2)	ADDRESS	1	STHDTYPE	Type of this header
3	(3)	ADDRESS	1	STHDMOD	Modifier
3	(3)	X'0'	0	STHD1MOD	"0" First Header Section modifier
3	(3)	X'4'	0	STHDSIZE	"*-STATJQHD" Size of First Header Section

Table 342. Structure STATJQTR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJQTR	, Job data terse section
0	(0)	ADDRESS	2	STTRLEN	Length of terse section
2	(2)	ADDRESS	1	STTRTYPE	Type of this header
3	(3)	ADDRESS	1	STTRMOD	Modifier
3	(3)	X'0'	0	STTRTMOD	"0" Terse section modifier
4	(4)	CHARACTER	8	STTRNAME	Job Name
12	(C)	CHARACTER	8	STTRJID	Job Identifier
20	(14)	CHARACTER	8	STTROJID	Original Job Identifier
28	(1C)	CHARACTER	8	STTRCLAS	Job Class
36	(24)	CHARACTER	8	STTRONOD	Origin Node (node of submittal)
44	(2C)	CHARACTER	8	STTRXNOD	Execution Node
52	(34)	CHARACTER	8	STTRPRND	Default Print Node
60	(3C)	CHARACTER	8	STTRPRRE	Default Print Remote Name
68	(44)	CHARACTER	8	STTRPUND	Default Punch Node
76	(4C)	CHARACTER	8	STTRPURE	Default Punch Remote Name
84	(54)	CHARACTER	8	STTROUID	Owner userid
92	(5C)	CHARACTER	8	STTRSECL	SECLABEL for job
100	(64)	CHARACTER	8	STTRSYS	MVS system on which the job is active (blanks if not active)
108	(6C)	CHARACTER	8	STTRMEM	JES2 member on which the job is active (blanks if not active)
116	(74)	CHARACTER	18	STTRDEVN	Name of device job is active on (if job is active on a device)
134	(86)	ADDRESS	1	STTRPHAZ	Phase job is in (see STAT_ equates for an enumeration)
135	(87)	ADDRESS	1	STTRHOLD	Job hold indicator
135	(87)	X'1'	0	STTRJNHL	"1" Job is not held
135	(87)	X'2'	0	STTRJHLD	"2" Job is held
135	(87)	X'3'	0	STTRJDUP	"3" Job held for duplicate job name
136	(88)	ADDRESS	1	STTRJTYP	Job type
136	(88)	X'1'	0	STTRSTC	"1" Started Task (STC)
136	(88)	X'2'	0	STTRTSU	"2" Time Sharing User (TSU)
136	(88)	X'3'	0	STTRJOB	"3" Batch job (JOB)
136	(88)	X'4'	0	STTRAPPC	"4" APPC Initiator
136	(88)	X'5'	0	STTRJOBG	"5" JOBGROUP
137	(89)	BITSTRING	1	STTRPRIO	Job priority
138	(8A)	BITSTRING	1	STTRARMS	Jobs ARM status
		1...		STTRARMR	"B'10000000'" Job is ARM registered
		.1..		STTRARMW	"B'01000000'" Job is awaiting ARM restart
139	(8B)	BITSTRING	1	STTRMISC	Miscellaneous indicators
		1...		STTRMSPN	"B'10000000'" JESLOG is spinable
		.1..		STTRPEOM	"B'01000000'" JOB is being processed for End of Memory
		..1.		STTRJCLD	"B'00100000'" JESJCLIN dataset avail
		...1		STTRSYSL	"B'00010000'" MVS SYSLOG job

Table 342. Structure STATJQTR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		STTRMXRC describes how a job terminated. In the cases where the job actually ran, the STTRMXCC value is dependent on the JOBRC= value specified for the job. By default it is the highest return code of any step that executed. However, it can be the return code of a specific step or the last step executed. If STTRMXCC is not the highest return code for the job, then STTRXREQ will be set. STTRMXRC consists of a 1 byte indicator of how the job completed followed by a 3 byte code. The code is available only for conditions followed by a '+' sign. The contents of the 3 byte code is based on the 2 bits STTRXAB and STTRXCDE. Do NOT use the 1 nibble completion type to interpret the 3 byte code value. If STTRXAB is on, then the 3 byte code is an ABEND code. In this case, either the first 12 bits of STTRMXCC are set to the System ABEND code or the last 12 bits are set to the user ABEND code. If STTRXCDE is on then the 3 byte code is a return code. In this case, a return code is in the last 12 bits of STTRMXCC			
140	(8C)	SIGNED	4	STTRMXRC(0)	JOB return code
140	(8C)	BITSTRING	1	STTRXIND	Job completion indicator
		1...		STTRXAB	"X'80'" ABEND code exists
		.1..		STTRXCDE	"X'40'" Completion code exists
		..1.		STTRXREQ	"X'20'" JOBRC completion code set
		 1111		STTRXINM	"X'0F'" Mask to extract completion type
140	(8C)	X'0'	0	STTRXUNK	"0" No completion info
140	(8C)	X'1'	0	STTRXNRM	"1" Job ended normally +
140	(8C)	X'2'	0	STTRXCC	"2" Job ended by CC +
140	(8C)	X'3'	0	STTRXJCL	"3" Job had a JCL error
140	(8C)	X'4'	0	STTRXCAN	"4" Job was canceled
140	(8C)	X'5'	0	STTRXABN	"5" Job ABENDed +
140	(8C)	X'6'	0	STTRXCAB	"6" Converter ABENDed
140	(8C)	X'7'	0	STTRXSEC	"7" Security error
140	(8C)	X'8'	0	STTRXEOM	"8" Job failed in EOM +
140	(8C)	X'9'	0	STTRXCNV	"9" Converter error
140	(8C)	X'A'	0	STTRXSYS	"10" System failure
140	(8C)	X'B'	0	STTRXFLU	"11" Job has been flushed
141	(8D)	BITSTRING	3	STTRMXCC	Completion code (set for '+' conditions)
144	(90)	SIGNED	4	STTRQPOS	Position of job on class queue or phase queue
148	(94)	SIGNED	4	STTRJNUM	Binary job number
152	(98)	CHARACTER	8	STTRSPUS	Percent SPOOL utilization format: xxx.xxxx Value ***.**** if unknown
160	(A0)	CHARACTER	8	STTRSLOG	If this is a SYSLOG job (STTRSYSL is on) MVS system name log is for
168	(A8)	CHARACTER	64	STTRJCOR	Job correlator

Table 342. Structure STATJQTR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
232	(E8)	SIGNED	4	STTRSPAC	Number of track groups of spool space used by this job (if set to -1 then count not available)
232	(E8)	X'EC'	0	STTRSIZE	"*-STATJQTR" Size of Terse Information

Table 343. Structure STATJ2TR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJ2TR	, JES2 terse data area
0	(0)	ADDRESS	2	STJ2LEN	Length of JES2 terse section
2	(2)	ADDRESS	1	STJ2TYPE	Type of this header
3	(3)	ADDRESS	1	STJ2MOD	Modifier
3	(3)	X'0'	0	STJ2TMOD	"0" JES2 Terse section modifier
4	(4)	BITSTRING	1	STJ2FLG1	General flag byte
		1...		STJ21PRO	"B'10000000'" Job is protected
		.1..		STJ21IND	"B'01000000'" Job is set to independent mode
		..1.		STJ21SYS	"B'00100000'" Job represents a system data set
		...1		STJ21CNW	"B'00010000'" Job can be converted only by CNVT PCEs that can wait for OS resources
		.... 1...		STJ21RBL	"B'00001000'" Job on the rebuild queue
5	(5)	BITSTRING	1		Reserved for future use
6	(6)	SIGNED	2	STJ2IMBR	Member id where job went through the input phase (0 if not available)
8	(8)	BITSTRING	4	STJ2JKEY	Job key
12	(C)	BITSTRING	8	STJ2SPOL	Spool data token
20	(14)	SIGNED	4	STJ2SPAC	Number of track groups of spool space used job Depricated - use STTRSPAC
24	(18)	SIGNED	2	STJ2DPNO	Print default node (binary)
26	(1A)	SIGNED	2	STJ2DPRM	Print default rmt (binary)
28	(1C)	CHARACTER	8	STJ2DPUS	Print default userid
36	(24)	SIGNED	2	STJ2INPN	Origin node (binary)
38	(26)	SIGNED	2	STJ2XEQN	Execution node (binary)
40	(28)	SIGNED	4	STJ2JQEI	JQE index
44	(2C)	BITSTRING	1	STJ2OFSL	SPOOL offload select mask
45	(2D)	BITSTRING	1	STJ2BUSY	JQE busy byte
45	(2D)	X'2E'	0	STJ2SIZE	"*-STATJ2TR" Length of section

Table 344. Structure STATAFFS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATAFFS	, Member affinity data area
0	(0)	ADDRESS	2	STAFLEN	Length of affinity section
2	(2)	ADDRESS	1	STAFTYPE	Type of this header
3	(3)	ADDRESS	1	STAFMOD	Modifier

Table 344. Structure STATAFFS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
3	(3)	X'0'	0	STAFTMOD	"0" Affinity section modifier
4	(4)	ADDRESS	2	STAFNUM	Number of member names
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	STAFMEMB(0)	First member name
8	(8)	X'8'	0	STAFSIZE	"*-STATAFFS" Length of basic section

Table 345. Structure STATSCHD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSCHD	, Scheduling data area
0	(0)	ADDRESS	2	STSCLEN	Length of scheduling data
2	(2)	ADDRESS	1	STSCTYPE	Type of this header
3	(3)	ADDRESS	1	STSCMOD	Modifier
3	(3)	X'0'	0	STSCTMOD	"0" Scheduling data modifier
4	(4)	BITSTRING	1	STSCAHLD	Reasons why job won't run (see also STSCAHL2)
		1...		STSCJCLS	"B'10000000'" Job class held
		.1..		STSCJCLM	"B'01000000'" Job class limit reached
		..1.		STSCJSCH	"B'00100000'" Scheduling environment
		...1		STSCJAFF	"B'00010000'" System affinity
		.... 1...		STSCJSPL	"B'00001000'" SPOOLs not available
		.... .1..		STSCJBSY	"B'00000100'" Job busy on device
		.... ..1.		STSCJSCF	"B'00000010'" SECLABEL affinity
		1		STSCNOSY	"B'00000001'" No system with the right combination of resources
5	(5)	BITSTRING	1	STSCFLG1	Flag byte
		1...		STSC1JCM	"B'10000000'" Jobclass mode of JQE Off = JES, On = WLM
		.1..		STSC1UNT	"B'01000000'" HOLDUNTL was specified (see STSCUNTL)
		..1.		STSC1SBY	"B'00100000'" STARTBY was specified (see STSCSTBY)
		...1		STSC1UNU	"B'00010000'" HOLDUNTL time is UTC (if OFF, time is local on member STJ2IMBR)
		.... 1...		STSC1SBU	"B'00001000'" STARTBY time is UTC (if OFF, time is local on member STJ2IMBR)
6	(6)	BITSTRING	2	STSCASID	ASID where job is executing (zero if not active)
8	(8)	CHARACTER	8	STSCSRVC	WLM service class
		STSCESTT is the estimated time to execution. This value is only available if the following are true: - Job is awaiting execution - Job is scheduled to a WLM managed job class - Job is not held (duplicate job name, operator hold, etc) - Member it has affinity to is available - The scheduling environment is available			

Table 345. Structure STATSCHD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
16	(10)	SIGNED	4	STSCESTT	Estimated time to execution in seconds
20	(14)	CHARACTER	16	STSCSENV	WLM Scheduling environment
		STSCQPOS is the position of the job on the WLM service class queue. STSCQNUM is the total number of jobs on the service class queue. Jobs which are not currently eligible to execute are not included in these counts. The count values are always returned ignoring the (obsolete) setting for STATSPOS in STATSEL3. These values are only set to a non-zero value when the following are true: - Job is awaiting execution - Job is scheduled to a WLM managed job class - Job is not held (job hold or class queue hold) - Member it has affinity to is available - The scheduling environment is available			
36	(24)	SIGNED	4	STSCQPOS	Position of this job on WLM service class queue
40	(28)	SIGNED	4	STSCQNUM	Number of jobs on WLM WLM service class queue
44	(2C)	SIGNED	4	STSCQACT	Number of active jobs in this WLM service class
		STSCAVGQ and STSCQDLY are the component parts used in calculating the estimated time to execution, and are set only when STSCESTT is also set.			
48	(30)	SIGNED	4	STSCAVGQ	Average queue time for this job's srvclass in seconds
52	(34)	SIGNED	4	STSCQTIM	Queue time for this job in TOD clock units (bit 31 = 1.04... seconds)
56	(38)	SIGNED	4	STSCPSEQ	Minimum z/OS level that job can run on (ECVTPSEQ format)
60	(3C)	BITSTRING	1	STSCAHL2	Reasons why job won't run (see also STSCAHLD)
		1...		STSCMLEV	"B'10000000'" z/OS minimum system level
		.1..		STSCHUNT	"B'01000000'" Job held for HOLDUNTL
61	(3D)	BITSTRING	3		Reserved
64	(40)	SIGNED	4	STSCRCLS	Reporting class index
		The HOLDUNTL and STARTBY values are derived from the HOLDUNTL= and STARTBY= values specified on the SCHEDULE= statement. - JES2 only.			
68	(44)	SIGNED	8	STSCUNTL(0)	HOLDUNTL Time/Date (also see STSC1UNU)
68	(44)	SIGNED	4	STSCUNTT	HOLDUNTL time. This is in hundredths of seconds since midnight.
72	(48)		4	STSCUNTD	HOLDUNTL date. This is in the form 0cyydddF
76	(4C)	SIGNED	8	STSCSTBY(0)	STARTBY Time/Date (also see STSC1SBU)

Table 345. Structure STATSCHD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
76	(4C)	SIGNED	4	STSCSTBT	STARTBY time. This is in hundredths of seconds since midnight.
80	(50)		4	STSCSTBD	STARTBY date. This is in the form 0cyydddF
		Job name specified on the WITH= keyword of the SCHEDULE= statement.			
84	(54)	CHARACTER	8	STSCWITH	WITH= job name -
84	(54)	X'5C'	0	STSCSIZE	"*-STATSCHD" Length of basic section

Table 346. Structure STATSCHS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSCHS	, Schedule systems section
0	(0)	ADDRESS	2	STSSLEN	Length of sched sys section
2	(2)	ADDRESS	1	STSSTYPE	Type of this header
3	(3)	ADDRESS	1	STSSMOD	Modifier
3	(3)	X'1'	0	STSSTMOD	"1" Schedulable system section
4	(4)	ADDRESS	2	STSSNUM	Number of system names
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	STSSSYS(0)	First system name
8	(8)	X'8'	0	STSSSIZE	"*-STATSCHS" Length of sched systems sec

Table 347. Structure STATJZXC

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJZXC	, Job zone execution control
0	(0)	ADDRESS	2	STJZLEN	Length of scheduling data
2	(2)	ADDRESS	1	STJZTYPE	Type of this header
3	(3)	ADDRESS	1	STJZMOD	Modifier
3	(3)	X'2'	0	STJZTMOD	"2" Job zone data modifier
4	(4)	CHARACTER	8	STJZJZNA	Associated Job Zone Dependency Network job name
12	(C)	CHARACTER	8	STJZJZID	Associated Job Zone Dependency Network job ID (if it exists).
20	(14)	CHARACTER	8	STJZJZJS	Associated JOBSET name - (blank if none).
28	(1C)	BITSTRING	1	STJZJZST	Status of job within the dependency network :
		....		STJZNOST	"X'00'" - Job status = NOT SET
		1		STJZPEND	"X'01'" - Job status = PENDING
		.... ..1.		STJZACTI	"X'02'" - Job status = ACTIVE
		11		STJZCOMP	"X'03'" - Job status = COMPLETE
		.... .1..		STJZFLSH	"X'04'" - Job status = FLUSHED
		.... .1.1		STJZINER	"X'05'" - Job Status = IN ERROR
29	(1D)	BITSTRING	1	STJZJZFL	Flush Type Indicator :
		....		STJZNOFL	"X'00'" - Flush Type = NOT SET
		1		STJZALLF	"X'01'" - Flush Type = ALLFLUSH

Table 347. Structure STATJZXC (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		STJZANYF	"X'02'" - Flush Type = ANYFLUSH
30	(1E)	BITSTRING	1	STJZJZEL	Job Eligibility Indicator:
		....		STJZNSEL	"X'00'" - Job is not eligible for selection
		1		STJZESEL	"X'01'" - Job is eligible for selection
31	(1F)	BITSTRING	1		Reserved for future use
31	(1F)	X'20'	0	STJZSIZE	"*-STATJZXC" Length of basic section

Table 348. Structure STATSCLF

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSCLF	, SECLABEL affinity section
0	(0)	ADDRESS	2	STSLLEN	Length of SECLABEL aff sect
2	(2)	ADDRESS	1	STSLTYPE	Type of this header
3	(3)	ADDRESS	1	STSLMOD	Modifier
3	(3)	X'0'	0	STSLTMOD	"0" SECLABEL affinity section
4	(4)	ADDRESS	2	STSLNUM	Number of system names
6	(6)	BITSTRING	2		Reserved
8	(8)	CHARACTER	8	STSLSYS(0)	First system name
8	(8)	X'8'	0	STSLSIZE	"*-STATSCLF" Length of SECLABEL aff sec

Table 349. Structure STATJZDN

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJZDN	, JES2 Job Zone Dependency Network section.
0	(0)	ADDRESS	2	STZNLEN	Size of Job Zone Dependency Network section.
2	(2)	ADDRESS	1	STZNTYPE	Type of this header
3	(3)	ADDRESS	1	STZNMOD	Modifier
3	(3)	X'0'	0	STZNTMOD	"0" JES2 Job Zone Dependency Network section modifier.
4	(4)	BITSTRING	1	STDTERFL	ERROR= print text flag
		1...		STDTEPTR	"B'10000000'" STZNERRE was not large enough to contain ERROR= printable text. Instead STZNERRE contains a PTR to a larger buffer. Following the pointer is 2 byte value denoting length of printable text.
5	(5)	BITSTRING	3		Reserved for future use
		Job (STATJQ) and dependency (STATDB) chains :			
		NOTE: - Only returned when the STAT2ZDN option is requested. Otherwise, both lists will be empty.			

Table 349. Structure STATJZDN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	ADDRESS	8	STZNJOB8	Ptr to chain of STATJQs. Describes all jobs in the Job Zone Dependency Network - (use if STAT1B64=ON).
8	(8)	X'C'	0	STZNJOB4	"STZNJOB8+4,4,C'A'" 31-bit part of STZNJOB8 - (use if STAT1B64=OFF)
16	(10)	ADDRESS	8	STZNDEP8	Ptr to chain of STATDBs. Describes all dependencies in the Job Zone Dependency Network - (use if STAT1B64=ON).
16	(10)	X'14'	0	STZNDEP4	"STZNDEP8+4,4,C'A'" 31-bit part of STZNDEP8 - (use if STAT1B64=OFF)
		Dependency network name and overall status :			
24	(18)	CHARACTER	8	STZNNAME	Dependency Network name.
32	(20)	BITSTRING	1	STZNSTAT	Dependency Network status -
		....		STZNPEND	"X'00'" - Status = PENDING
		1		STZNACTI	"X'01'" - Status = ACTIVE,INIT
		.... ..1.		STZNACT	"X'02'" - Status = ACTIVE
		11		STZNSUSI	"X'03'" - Status = SUSPENDING
		.... .1..		STZNSUSD	"X'04'" - Status = SUSPENDED
		.... .1.1		STZNHELD	"X'05'" - Status = HELD
		.... .11.		STZNFLSH	"X'06'" - Status = FLUSHING
		.... .111		STZNCANI	"X'07'" - Status = CANCELLING
		.... 1...		STZNCOMP	"X'08'" - Status = COMPLETE
		Error processing definitions : NOTE: - These are set when the dependency network is initially created.			
33	(21)	CHARACTER	64	STZNERRE	ERROR= expression value.
33	(21)	X'21'	0	STZNERR8	"STZNERRE+0,8,C'A'" 64 bit pointer to buffer containing data. See STDTEPTR for detail.
33	(21)	X'25'	0	STZNERR4	"STZNERRE+4,4,C'A'" 31 bit pointer to buffer containing data. See STDTEPTR for detail.
33	(21)	X'29'	0	STZNERRL	"STZNERRE+8,2,C'F'" Length of print data returned. See STDTEPTR.
97	(61)	BITSTRING	1	STZNONER	ONERROR= value :
		1		STZNOEST	"X'01'" - On Error = STOP
		.... ..1.		STZNOESU	"X'02'" - On Error = SUSPEND
		11		STZNOEFL	"X'03'" - On Error = FLUSH
		Current error status : NOTE: - This is set based on the ERROR= expression and ONERROR= values (see above) in the event of an error condition.			
98	(62)	BITSTRING	1	STZNERRS	Current error status
		....		STZNERNE	"X'00'" - Err stat = NOT_IN_ERROR
		1		STZNERST	"X'01'" - Err stat = STOPPED
		.... ..1.		STZNERSU	"X'02'" - Err stat = SUSPENDED

Table 349. Structure STATJZDN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		11		STZNERFL	"X'03'" - Err stat = FLUSHED
99	(63)	BITSTRING	1		Reserved for future use
99	(63)	X'64'	0	STZNSIZE	"*-STATJZDN" Length of section

Table 350. Structure STATJ3TR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJ3TR	, JES3 terse data area
0	(0)	ADDRESS	2	STJ3LEN	Length of JES3 terse sect.
2	(2)	ADDRESS	1	STJ3TYPE	Type of this header
3	(3)	ADDRESS	1	STJ3MOD	Modifier
3	(3)	X'0'	0	STJ3TMOD	"0" JES3 Terse section modifier
4	(4)	BITSTRING	8	STJ3SPOL	Spool data token or zero
12	(C)	BITSTRING	32	STJ3JSTT	List of reasons, by system, for why job is waiting to run (RQJSTAT)
44	(2C)	CHARACTER	8	STJ3JSTM(32)	List of system names corresponding to STJ3JSTT, terminated by zero
44	(2C)	X'12C'	0	STJ3SIZE	"*-STATJ3TR" Length of section

Table 351. Structure STATVE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATVE	, Verbose job data section prolog
0	(0)	CHARACTER	4	STVEEYE	Eye catcher
4	(4)	ADDRESS	2	STVEOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	STVEJOB	Address of associated job queue data element
8	(8)	X'C'	0	STVESIZ1	"*-STATVE" Size of prologue (version 1)
12	(C)	SIGNED	4		Reserved for future use
16	(10)	ADDRESS	8	STVEJOB_64	Address of associated job queue data element (64-bit request)
16	(10)	X'18'	0	STVESIZ2	"*-STATVE" Size of prologue (version 2)
16	(10)	X'18'	0	STVESIZE	"*-STATVE" Current size of prologue

Table 352. Structure STATJVHD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJVHD	, Job verbose section header
0	(0)	ADDRESS	2	STJVLEN	Len of entire Job verbose header (Max value is 65535)
2	(2)	ADDRESS	1	STJVTYPE	Type of this header
3	(3)	ADDRESS	1	STJVMOD	Modifier
3	(3)	X'0'	0	STJV1MOD	"0" 1st Header Section modifier

Table 352. Structure STATJVHD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
3	(3)	X'4'	0	STJVSIZE	"*-STATJVHD" Size of 1st Header Section

Table 353. Structure STATJQVB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJQVB	
0	(0)	ADDRESS	2	STVBLEN	Length of verbose section
2	(2)	ADDRESS	1	STVBTYPE	Type of this header
3	(3)	ADDRESS	1	STVBMOD	Modifier
3	(3)	X'0'	0	STVBVMOD	"0" Verbose section modifier
4	(4)	BITSTRING	1	STVBFLG1	Section flag byte
		1...		STVB1ERR	"B'10000000'" Error obtaining verbose data (terse section returned).
5	(5)	BITSTRING	1		Reserved for future use
6	(6)	SIGNED	2	STVBJCPY	Job Copy count
8	(8)	SIGNED	2	STVBLNCT	Job line count (lines per page)
10	(A)	CHARACTER	18	STVBIDEV	Input device name
28	(1C)	CHARACTER	8	STVBISID	Input system/member
36	(24)	SIGNED	4	STVBJCIN	Job input count
40	(28)	SIGNED	4	STVBJLIN	Job line count
44	(2C)	SIGNED	4	STVBJPAG	Job page count
48	(30)	SIGNED	4	STVBJPUN	Job card (output) count
52	(34)	SIGNED	8	STVBRTS(0)	Input start Time/Date
52	(34)	SIGNED	4	STVBRTST	Input start time. This is in hundredths of seconds since midnight.
56	(38)		4	STVBRTSD	Input start date. This is in the form 0cyydddF
60	(3C)	SIGNED	8	STVBRTE(0)	Input end Time/Date
60	(3C)	SIGNED	4	STVBRTET	Input end time. This is in hundredths of seconds since midnight.
64	(40)		4	STVBRTED	Input end date. This is in the form 0cyydddF
68	(44)	CHARACTER	8	STVBSYS	Execution MVS system name
76	(4C)	CHARACTER	8	STVBMBR	Execution JES2 member name
84	(54)	SIGNED	8	STVBXTS(0)	Execution start Time/Date
84	(54)	SIGNED	4	STVBXTST	Execution start time. This is in hundredths of seconds since midnight.
88	(58)		4	STVBXTSD	Execution start date. This is in the form 0cyydddF
92	(5C)	SIGNED	8	STVBXTE(0)	Execution end Time/Date
92	(5C)	SIGNED	4	STVBXTET	Execution end time. This is in hundredths of seconds since midnight.
96	(60)		4	STVBXTED	Execution end date. This is in the form 0cyydddF
100	(64)	BITSTRING	8	STVBJUSR	JMRUSEID field
108	(6C)	CHARACTER	8	STVBMCLS	Message class (Job card)

Table 353. Structure STATJQVB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
116	(74)	CHARACTER	8	STVBNOTN	Notify Node
124	(7C)	CHARACTER	8	STVBNOTU	Notify Userid
132	(84)	CHARACTER	20	STVBPNAM	Programmer's name (from Job card)
152	(98)	CHARACTER	8	STVBACCT	Account number (from Job card)
160	(A0)	CHARACTER	8	STVBDEPT	NJE department
168	(A8)	CHARACTER	8	STVBBLDG	NJE building
176	(B0)	CHARACTER	8	STVBROOM	Job card room number
184	(B8)	CHARACTER	8	STVBJDVT	JDVT name for job
192	(C0)	CHARACTER	8	STVBSUBU	Submitting userid
200	(C8)	CHARACTER	8	STVBSUBG	Submitting group
208	(D0)	BITSTRING	2	STVBMLRC	Max LRECL of JCLIN stream
210	(D2)	BITSTRING	2	STVBSUPF(0)	Job suppression flags
210	(D2)	BITSTRING	1	STVBEVSF	EVENTLOG data set flags
		1...		STVBESMF	"B'10000000'" Suppress EVENTLOG SMF rec
		EQU B'01111000' Reserved for internal use			
211	(D3)	BITSTRING	1	STVBFEAS	Feature suppression flags
		1...		STVBEVTW	"B'10000000'" Suppress EVENTLOG writes
		.1..		STVBNNJE	"B'01000000'" Suppress non-printable data sets on NJE
		STVBMXRC describes how a job terminated. In the cases where the job actually ran, the STVBMXCC value is always the highest return code of any executed step or the ABEND code associated with the job. STVBMXRC consists of a 1 byte indicator of how the job completed followed by a 3 byte code. The code is available only for conditions followed by a '+' sign. The contents of the 3 byte code is based on the 2 bits STVBXAB and STVBXCDE. Do NOT use the 1 nibble completion type to interpret the 3 byte code value. If STVBXAB is on, then the 3 byte code is an ABEND code. In this case, either the first 12 bits of STVBMXCC are set to the System ABEND code or the last 12 bits are set to the user ABEND code. If STVBXCDE is on then the 3 byte code is a return code. In this case, a return code is in the last 12 bits of STVBMXCC				
212	(D4)	SIGNED	4	STVBMXRC(0)	Max return code
212	(D4)	BITSTRING	1	STVBXIND	Job completion indicator
		1...		STVBXAB	"X'80'" ABEND code exists
		.1..		STVBXCDE	"X'40'" Completion code exists
		..1.		STVBXREQ	"X'20'" JOBRC completion code set (never set)
		 1111		STVBXINM	"X'0F'" Mask to extract completion type
212	(D4)	X'0'	0	STVBXUNK	"0" No completion info
212	(D4)	X'1'	0	STVBXNRM	"1" Job ended normally +
212	(D4)	X'2'	0	STVBXCC	"2" Job ended by CC +
212	(D4)	X'3'	0	STVBXJCL	"3" Job had a JCL error
212	(D4)	X'4'	0	STVBXCAN	"4" Job was canceled

Table 353. Structure STATJQVB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
212	(D4)	X'5'	0	STVBXABN	"5" Job ABENDed +
212	(D4)	X'6'	0	STVBXCAB	"6" Converter ABENDed
212	(D4)	X'7'	0	STVBXSEC	"7" Security error
212	(D4)	X'8'	0	STVBXEOM	"8" Job failed in EOM +
212	(D4)	X'9'	0	STVBXCNV	"9" Converter error
212	(D4)	X'A'	0	STVBXSYS	"10" System failure
212	(D4)	X'B'	0	STVBXFLU	"11" Job has been flushed
213	(D5)	BITSTRING	3	STVBMXCC	Completion code (set for '+' conditions)
213	(D5)	X'D8'	0	STVBSIZE	"*-STATJQVB" Size of verbose Information

Table 354. Structure STATDB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATDB	, Job Dependency Block - prolog.
0	(0)	CHARACTER	4	STDBEYE	Eye catcher
4	(4)	ADDRESS	2	STDBOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	8	STDBNXT8	Pointer to next Job Dependency Block - (use if STAT1B64=ON).
8	(8)	X'C'	0	STDBNXT4	"STDBNXT8+4,4,C'A'" 31-bit part of STDBNXT8 - (use if STAT1B64=OFF)
8	(8)	X'10'	0	STDBSIZE	"*-STATDB" Current size of prolog.

Table 355. Structure STATDBHD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATDBHD	, Job Dependency Block - first header section.
0	(0)	ADDRESS	2	STDHLEN	Length of entire Job Dependency Block (Max value is 65535).
2	(2)	ADDRESS	1	STDHTYPE	Type of this section
3	(3)	ADDRESS	1	STDHMOD	Modifier
3	(3)	X'0'	0	STDH1MOD	"0" Job Dependency Block - first header modifier.
3	(3)	X'4'	0	STDHDSIZ	"*-STATDBHD" Size of Job Dependency Block - first header

Table 356. Structure STATDBTE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATDBTE	, Job Dependency Block - terse section.
0	(0)	ADDRESS	2	STDTLEN	Length of Job Dependency Block - terse section.
2	(2)	ADDRESS	1	STDTTYPE	Type of this section
3	(3)	ADDRESS	1	STDTMOD	Modifier

Table 356. Structure STATDBTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
3	(3)	X'0'	0	STDTTMOD	"0" Job Dependency Block - terse section modifier.
4	(4)	BITSTRING	1	STDTDTYP	Dependency type -
		1		STDTDEP	"X'01'" - PARENT/DEPENDENT relationship.
		.... ..1.		STDTCON	"X'02'" - CONCURRENT relationship.
5	(5)	BITSTRING	1	STDTSTAT	Job Dependency Status -
		....		STDTPEND	"X'00'" - Status = PENDING
		1		STDTCOMP	"X'01'" - Status = COMPLETE
		Dependency Complete Status. Once a dependency is complete, this value is set to the result of evaluating the WHEN=/ACTION=/OTHERWISE= values (see below). NOTE: - These values are only meaningful for PARENT DEPENDENT STATDBs (STDTDTYP = STDTDEP).			
6	(6)	BITSTRING	1	STDTCSTA	Dependency Complete Status:
		....		STDTCSAT	"X'00'" - Compl Status = SATISFY
		1		STDTCFLU	"X'01'" - Compl Status = FLUSH
		.... ..1.		STDTCFAI	"X'02'" - Compl Status = FAIL
7	(7)	BITSTRING	1	STDTWHFL	WHEN= print text flag
		1...		STDTWPTR	"B'10000000'" STDTWHEN was not large enough to contain WHEN= printable text. Instead STDTWHEN contains a PTR to a larger buffer. Following the pointer is 2 byte value denoting length of printable text
		The WHEN=/ACTION=/OTHERWISE= values below are set when the dependency is initially built. At runtime once a dependency is marked complete, these values are used to determine the 'dependency complete' action above. NOTE: - These values are only meaningful for PARENT DEPENDENT STATDBs (STDTDTYP = STDTDEP).			
8	(8)	CHARACTER	64	STDTWHEN	WHEN= expression value.
8	(8)	X'8'	0	STDTWHE8	"STDTWHEN+0,8,C'A'" 64 bit pointer to buffer containing data. See STDTWPTR for detail.
8	(8)	X'C'	0	STDTWHE4	"STDTWHEN+4,4,C'A'" 31 bit pointer to buffer containing data. See STDTWPTR for detail.
8	(8)	X'10'	0	STDTWHEL	"STDTWHEN+8,2,C'F'" Length of print data returned. See STDTWPTR.
72	(48)	BITSTRING	1	STDTACTN	ACTION= value :
		....		STDTASAT	"X'00'" - Action = SATISFY
		1		STDTAFLU	"X'01'" - Action = FLUSH
		.... ..1.		STDTAFAI	"X'02'" - Action = FAIL
73	(49)	BITSTRING	1	STDTOTHR	OTHERWISE= value :
		....		STDTOSAT	"X'00'" - Otherwise = SATISFY
		1		STDTOFLU	"X'01'" - Otherwise = FLUSH
		.... ..1.		STDTOFAI	"X'02'" - Otherwise = FAIL

Table 356. Structure STATDBTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		Job names / IDs : NOTE : - The Job IDs (STDTPJID/STDTDJID) will only be set if an associated job has been 'registered' to the dependency network. Otherwise, they will be zero.			
74	(4A)	CHARACTER	8	STDTPJBN	Parent Job name/ID or
82	(52)	CHARACTER	8	STDTPJID	concurent job 1 name/ID.
90	(5A)	CHARACTER	8	STDTDJBN	Dependent Job name/ID or
98	(62)	CHARACTER	8	STDTDJID	concurent job 2 name/ID.
98	(62)	X'6A'	0	STDTSIZE	"*-STATDBTE" Size of Job Dependency Block - terse section.

Table 357. Structure STATJQSE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJQSE	
0	(0)	ADDRESS	2	STSELEN	Length of security section
2	(2)	ADDRESS	1	STSETYPE	Type of this header
3	(3)	ADDRESS	1	STSEMOD	Modifier
3	(3)	X'0'	0	STSESMOD	"0" Security section modifier
4	(4)	BITSTRING	1	STSEFLG1	Security section flags
		1...		STSE1ERR	"B'10000000'" Error obtaining verbose data
		.1..		STSE1JB	"B'01000000'" Token represents a job
5	(5)	BITSTRING	1		Reserved for future use
6	(6)	ADDRESS	2	STSEOFFS	Offset to SAF token
8	(8)	CHARACTER	1	STSETOKN(0)	Mapped SAF token

Table 358. Structure STATJQAC

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATJQAC	
0	(0)	ADDRESS	2	STACLEN	Len of accounting section
2	(2)	ADDRESS	1	STACTYPE	Type of this header
3	(3)	ADDRESS	1	STACMOD	Modifier
3	(3)	X'0'	0	STACAMOD	"0" Accounting section modifier
4	(4)	BITSTRING	1	STACFLG1	Flags
		1...		STAC1ERR	"B'10000000'" Error obtaining verbose data (short section returned).
		.1..		STAC1OV	"B'01000000'" Accounting string can be overlaid by other than originating node
5	(5)	BITSTRING	1		Reserved for future use
6	(6)	SIGNED	2	STACOFFS	Offset to beginning of accounting information
6	(6)	X'8'	0	STACFLEN	"*-STACLEN" Length of fixed portion

Table 359. Structure STACNTRY

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STACNTRY	, Accounting entry
0	(0)	SIGNED	2	STACJLEN	Length of job accounting string (does not include the length of this half word)
2	(2)	SIGNED	1	STACJNR	Number of sub-strings
3	(3)	SIGNED	1	STACJAC1(0)	First sub-string

Table 360. Structure STATSE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSE	, SYSOUT data section prolog
0	(0)	CHARACTER	4	STSEEYE	Eye catcher
4	(4)	ADDRESS	2	STSEOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	STSEJNXT	Address of next SYSOUT data element
12	(C)	ADDRESS	4	STSEJOB	Address of associated job queue data element
16	(10)	ADDRESS	4	STSEVRBO	Address of 1st SYSOUT verbose data element
16	(10)	X'14'	0	STSESIZ1	"*-STATSE" Size of prologue (version 1)
20	(14)	SIGNED	4		Reserved for future use
24	(18)	ADDRESS	8	STSEJNXT_64	Address of next SYSOUT data element (64-bit)
32	(20)	ADDRESS	8	STSEJOB_64	Address of associated job queue data element (64-bit)
40	(28)	ADDRESS	8	STSEVRBO_64	Address of 1st SYSOUT verbose data element (64-bit)
40	(28)	X'30'	0	STSESIZ2	"*-STATSE" Size of prologue (version 2)
40	(28)	X'30'	0	STSESIZE	"*-STATSE" Current size of prologue

Table 361. Structure STATSEHD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSEHD	, SYSOUT section header
0	(0)	ADDRESS	2	STSHLEN	Length of entire SYSOUT header (Max value is 65535)
2	(2)	ADDRESS	1	STSHTYPE	Type of this header
3	(3)	ADDRESS	1	STSHMOD	Modifier
3	(3)	X'0'	0	STSH1MOD	"0" 1st Header Section modifier
3	(3)	X'4'	0	STSHSIZE	"*-STATSEHD" Size of 1st Header Section

Table 362. Structure STATSETR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSETR	, SYSOUT terse section

Table 362. Structure STATSETR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	ADDRESS	2	STSTLEN	Length of terse section
2	(2)	ADDRESS	1	STSTTYPE	Type of this header
3	(3)	ADDRESS	1	STSTMOD	Modifier
3	(3)	X'0'	0	STSTTMOD	"0" Terse section modifier
4	(4)	CHARACTER	8	STSTOUID	SYSOUT owner (creator)
12	(C)	CHARACTER	8	STSTSECL	SECLABEL for SYSOUT
20	(14)	CHARACTER	18	STSTDEST	SYSOUT destination
38	(26)	CHARACTER	8	STSTCLAS	SYSOUT class
46	(2E)	SIGNED	4	STSTNREC	Record count
50	(32)	SIGNED	4	STSTPAGE	Page count
54	(36)	SIGNED	4	STSTLNCT	Line count
58	(3A)	SIGNED	4	STSTBYCT(2)	Byte count of consumed spool space 63 bit right justified (JES3 only)
66	(42)	CHARACTER	8	STSTFORM	Forms
74	(4A)	CHARACTER	8	STSTFCB	FCB
82	(52)	CHARACTER	8	STSTUCS	UCS
90	(5A)	CHARACTER	8	STSTXWTR	External writer name
98	(62)	CHARACTER	8	STSTPMDE	Processing mode
106	(6A)	CHARACTER	8	STSTFLSH	Flash
114	(72)	CHARACTER	4	STSTCHAR(4)	Printer translate table
130	(82)	CHARACTER	4	STSTMODF	MODIFY=(modname)
134	(86)	BITSTRING	1	STSTMODC	MODIFY=(,trc)
135	(87)	BITSTRING	1	STSTFLG2	General flag byte
		1...		STST2CIV	"B'10000000'" STSTCTKN is not usable
		.1..		STST2DMN	"B'01000000'" Data sets represented by this element are "demand @OA39053 select" (JES2 only) @OA39053
136	(88)	BITSTRING	2		Reserved for future use
138	(8A)	CHARACTER	8	STSTSYS	MVS system on which the SYSOUT is active (blanks if not active)
146	(92)	CHARACTER	8	STSTMEM	JES member on which the SYSOUT is active (blanks if not active)
154	(9A)	CHARACTER	18	STSTDEVN	Name of device on which the SYSOUT is active (blanks if not active)
172	(AC)	BITSTRING	1	STSTHSTA	SYSOUT hold state
		1...		STSTHOPR	"B'10000000'" SYSOUT is held due to operator command
		.1..		STSTHUSR	"B'01000000'" SYSOUT is currently held via HOLD=YES on the DD (JES3 only)
		..1.		STSTHSYS	"B'00100000'" SYSOUT is in a system hold (see STSTHRSN for reason).
		...1		STSTHTSO	"B'00010000'" SYSOUT is held for TSO, JES3 only
		.... 1...		STSTHXWT	"B'00001000'" SYSOUT is held for external writer. JES3 only
		.... .1..		STSTHBDT	"B'00000100'" SYSOUT is held on the BDT queue. JES3 only.

Table 362. Structure STATSETR (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		STSTHTCP	"B'00000010'" SYSOUT is held on the TCP queue. JES3 only.
173	(AD)	BITSTRING	1	STSTHRSN	Reason for system hold (see fields OHLDJxxx in IAZOHLD for meaning)
174	(AE)	BITSTRING	1	STSTDISP	Output disposition
		1...		STSTDHLD	"B'10000000'" OUTDISP=HOLD
		.1..		STSTDLVE	"B'01000000'" OUTDISP=LEAVE
		..1.		STSTDWRT	"B'00100000'" OUTDISP=WRITE
		...1		STSTDKEP	"B'00010000'" OUTDISP=KEEP
175	(AF)	BITSTRING	1	STSTFLG1	General flag byte
		1...		STST1BRT	"B'10000000'" BURST=YES
		.1..		STST1DSI	"B'01000000'" 3540 held data set
		..1.		STST1IPA	"B'00100000'" Destination has an IPADDR
		...1		STST1CPD	"B'00010000'" Schedulable element has page mode data
		.... 1...		STST1SPN	"B'00001000'" SPIN data set
		.... .1..		STST1NSL	"B'00000100'" Not selectable
		.... ..1.		STST1APC	"B'00000010'" SYSOUT has job level information (has a STSATERS and a STOTAPPC type section)
		1		STST1CTK	"B'00000001'" When SYSOUT was allocated the DALRTCTK key specified (client token returned)
176	(B0)	BITSTRING	1	STSTPRIO	SYSOUT priority
		The SYSOUT identifier (STSTSOID) is a EBCDIC value associated with this SYSOUT that can be used in operator commands. The exact contents vary based on whether JES2 or JES3 owns the SYSOUT and the release of JES processing the SSI request.			
177	(B1)	CHARACTER	44	STSTSOID	EBCDIC SYSOUT identifier
		The SYSOUT client token (STSTCTKN) is a token that can be used on various APIs to access a specific piece of SYSOUT. The token returned may NOT be the same as the one returned on a SYSOUT allocation or used in ENF processing. It may also be different from the TOKEN passed for selection in STATCTKN. If you are tracking SYSOUT with a token received from allocation, do NOT replace it with this token. Ensure that STSTCTKN is useable by verifying that STST2CIV in byte STSTFLG2 is off .			
221	(DD)	BITSTRING	80	STSTCTKN	SYSOUT client token
301	(12D)	BITSTRING	4	STSTLNCU	Current line active on device
305	(131)	BITSTRING	4	STSTPGCU	Current page active on device
305	(131)	X'135'	0	STSTSIZE	"*-STATSETR" Size of Terse Information

Table 363. Structure STATSJ2T

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSJ2T	, JES2 terse data area
0	(0)	ADDRESS	2	STS2LEN	Len of JES2 terse section
2	(2)	ADDRESS	1	STS2TYPE	Type of this header
3	(3)	ADDRESS	1	STS2MOD	Modifier
3	(3)	X'0'	0	STS2TMOD	"0" JES2 Terse section modifier
4	(4)	BITSTRING	1	STS2FLG1	General flags
		1...		STS21DSH	"B'10000000'" JOE has been cloned (all data sets must be processed identically by SAPI)
		.1..		STS21TSO	"B'01000000'" JOE is available for TSO OUTPUT processing
		..1.		STS21USR	"B'00100000'" JOE is on userid queue
5	(5)	CHARACTER	26	STS2OGNM	SYSOUT group name
31	(1F)	BITSTRING	4	STS2CRTM	JOE creation time (STCK format)
35	(23)	BITSTRING	8	STS2SPOL	Spool data token (IOT addr)
43	(2B)	CHARACTER	8	STS2GNAM	Group name
51	(33)	BITSTRING	2	STS2JID1	JOE ID 1
53	(35)	BITSTRING	2	STS2RNOD	Dest node number (binary)
55	(37)	BITSTRING	2	STS2RRMT	Dest remote number (binary)
57	(39)	CHARACTER	8	STS2RUSR	Dest user field
65	(41)	BITSTRING	8	STS2TSWB	JOE level SWB MTTR
73	(49)	BITSTRING	8	STS2CHKT	JOE CHK MTTR if CHK valid else zero
81	(51)	BITSTRING	4	STS2JOEI	Work JOE index
85	(55)	BITSTRING	1	STS2OFSL	SPOOL offload select mask
86	(56)	BITSTRING	1	STS2BUSY	JOE busy byte
86	(56)	X'57'	0	STS2SIZE	"*-STATSJ2T" Length of section

Table 364. Structure STATSJ3T

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSJ3T	, JES3 terse data area
0	(0)	ADDRESS	2	STS3LEN	Len of JES3 terse section
2	(2)	ADDRESS	1	STS3TYPE	Type of this header
3	(3)	ADDRESS	1	STS3MOD	Modifier
3	(3)	X'0'	0	STS3TMOD	"0" JES3 Terse section modifier
4	(4)	BITSTRING	1	STS3FLG1	General flags
		1...		STS31XSY	"B'10000000'" Extended keywords used
		.1..		STS31WSI	"B'01000000'" One STATSE returned for the Work Selection Identifier in STS3WSI
		..1.		STS31FMT	"B'00100000'" FORMAT JECL statements used for this data set.
5	(5)	BITSTRING	3		Reserved
8	(8)	BITSTRING	4	STS3WSI	Work Selection Identifier
8	(8)	X'C'	0	STS3SIZE	"*-STATSJ3T" Length of section

Table 365. Structure STATSATR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSATR	, SYSOUT Transaction terse section
0	(0)	ADDRESS	2	STSALEN	Length of transaction sect
2	(2)	ADDRESS	1	STSATYPE	Type of this header
3	(3)	ADDRESS	1	STSAMOD	Modifier
3	(3)	X'0'	0	STSATMOD	"0" Transaction sect modifier
4	(4)	CHARACTER	8	STSAJOBN	Transaction (APPC) Program Jobname that created this data set
12	(C)	CHARACTER	8	STSAJID	Transaction (APPC) Program Job ID that created this data set
12	(C)	X'14'	0	STSASIZE	"*-STATSATR" Length of section

Table 366. Structure STATVO

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATVO	, Verbose SYSOUT data section prolog
0	(0)	CHARACTER	4	STVOEYE	Eye catcher
4	(4)	ADDRESS	2	STVOOHDR	Offset to first section
6	(6)	BITSTRING	2		Reserved for future use
8	(8)	ADDRESS	4	STVOJOB	Address of associated job queue data element-STATJQ (31-bit request)
12	(C)	ADDRESS	4	STVOJNXT	Address of next verbose SYSOUT element for JOB (31-bit request)
16	(10)	ADDRESS	4	STVOSOUT	Address of associated SYSOUT data element-STATSE (31-bit request)
20	(14)	ADDRESS	4	STVOSNXT	Address of next verbose SYSOUT element for STATSE (31-bit request)
20	(14)	X'18'	0	STVOSIZ1	"*-STATVO" Size of prologue (version 1)
24	(18)	ADDRESS	8	STVOJOB_64	Address of associated job queue data element-STATJQ (64-bit request)
32	(20)	ADDRESS	8	STVOJNXT_64	Address of next verbose SYSOUT element for JOB (64-bit request)
40	(28)	ADDRESS	8	STVOSOUT_64	Address of associated SYSOUT data element-STATSE (64-bit request)
48	(30)	ADDRESS	8	STVOSNXT_64	Address of next verbose SYSOUT element for STATSE (64-bit request)
48	(30)	X'38'	0	STVOSIZ2	"*-STATVO" Size of prologue (version 2)
48	(30)	X'38'	0	STVOSIZE	"*-STATVO" Current size of prologue

Table 367. Structure STATSVHD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSVHD	, SYSOUT verbose section hdr
0	(0)	ADDRESS	2	STSVLEN	Length of entire SYSOUT verbose element (Max value is 65535)
2	(2)	ADDRESS	1	STSVTYPE	Type of this header
3	(3)	ADDRESS	1	STSVMOD	Modifier
3	(3)	X'0'	0	STSV1MOD	"0" 1st Header Section modifier
3	(3)	X'4'	0	STSVSIZE	"*-STATSVHD" Size of 1st Header Section

Table 368. Structure STATSEVB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSEVB	, SYSOUT verbose section
0	(0)	ADDRESS	2	STVSLEN	Length of verbose section
2	(2)	ADDRESS	1	STVSTYPE	Type of this header
3	(3)	ADDRESS	1	STVSMOD	Modifier
3	(3)	X'0'	0	STVSVMOD	"0" Verbose section modifier
4	(4)	BITSTRING	1	STVSFLG1	Section flag byte
		1...		STVS1ERR	"B'10000000'" Error obtaining verbose data (terse section returned).
		.1..		STVSDSCL	"B'01000000'" Line count, page count, byte count, and record count (STVSLNCT, STVSPGCT, STVSBYCT, and STVSRCCT) are accurate. This bit will not be on if there was an abnormal termination or the data was created on a different node.
		..1.		STVS1SPN	"B'00100000'" SPIN data set
		...1		STVS1JSL	"B'00010000'" Spin-any/JESLOG spin D S
		STVS1SYS is on if this data sets is one of the "special" or "system" data sets that are created and managed by JES. This include JESJCLIN, JESMSGLG, JESJCL, and JESYSMSG (JES2 and JES3), $INTTEXT, $SWABLKS, $JOURNAL, and EVENTLOG (JES2 only) and J3SCINFO, J3JBINFO, JCBLOCK, JOURNAL, and J3STINFO (JES3 only). Additional data sets may be created in future releases.			
		.... 1...		STVS1SYS	"B'00001000'" System data set
		.... .1..		STVS1SIN	"B'00000100'" Instream data set (SYSIN)
		.... ..1.		STVS1DUM	"B'00000010'" Dummy data set (SYSOUT data set which will not print)
		1		STVS1ENF	"B'00000001'" All ENF58 signals are broadcasted for this data set
5	(5)	BITSTRING	1	STVSRECF	Record format
6	(6)	CHARACTER	8	STVSPRCD	Procname for the step creating this data set

Table 368. Structure STATSEVB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
14	(E)	CHARACTER	8	STVSSTPD	Stepname for the step creating this data set
22	(16)	CHARACTER	8	STVSDDND	DDNAME for the data set creation
30	(1E)	CHARACTER	8	STVSTJN	TP (APPC) jobname(depricated)
38	(26)	CHARACTER	8	STVSTJID	TP (APPC) jobid (depricated)
46	(2E)	BITSTRING	4	STVSTOD	Date and time of data set availability in TOD format (i.e. this value is the high order word of the TOD clock obtained via a STCK)
50	(32)	SIGNED	4	STVSSEGM	Segment id (zero if data set not segmented)
54	(36)	SIGNED	4	STVSDSKY	Data set number (key)
58	(3A)	SIGNED	2	STVSMLRL	Maximum logical record length (LRECL)
		The following four count fields are valid only if STVSDSCL is on in STVSFLG1.			
60	(3C)	SIGNED	4	STVSLNCT	Line count
64	(40)	SIGNED	4	STVSPGCT	Page count
68	(44)	SIGNED	4	STVSBYCT(2)	Byte count after blank truncation 63 bit right justified (JES2) Byte count of consumed spool space 63 bit right justified (JES3)
76	(4C)	SIGNED	4	STVSRCCT	Record count (JES3 only)
80	(50)	CHARACTER	44	STVSDSN	SYSOUT data set name
124	(7C)	SIGNED	1	STVSCOPY	Data set copy count
125	(7D)	SIGNED	1	STVSFLSC	Number of flash copies
126	(7E)	BITSTRING	1	STVSFLG2	Section flag byte
		1...		STVS2CIV	"B'10000000'" STVSCTKN is not usable
		.1..		STVS2SPN	"B'01000000'" Spinnable file
127	(7F)	SIGNED	1	STVSSTPN	Step number for the step creating this data set
128	(80)	BITSTRING	12		Reserved for future use
		The SYSOUT data set token (STVSCTKN) is a token that can be used on various APIs to access a specific SYSOUT data set. The token returned may NOT be the same as the one returned on a SYSOUT allocation or used in ENF processing. It may also be different from the TOKEN passed for selection in STATCTKN. If you are tracking SYSOUT with a token received from allocation, do NOT replace it with this token. Ensure that STVSCTKN is useable by verifying that STVS2CIV in byte STVSFLG2 is off .			
140	(8C)	BITSTRING	80	STVSCTKN	SYSOUT data set token
220	(DC)	CHARACTER	4	STVSCHAR(4)	Printer translate table
236	(EC)	CHARACTER	4	STVSMODF	MODIFY=(modname)
240	(F0)	BITSTRING	1	STVSMODC	MODIFY=(,trc)
240	(F0)	X'F1'	0	STVSSIZE	"*-STATSEVB" Length of section

Table 369. Structure STATSEO2

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSEO2	, JES2 verbose data area
0	(0)	ADDRESS	2	STO2LEN	Len of JES2 verbose section
2	(2)	ADDRESS	1	STO2TYPE	Type of this header
3	(3)	ADDRESS	1	STO2MOD	Modifier
3	(3)	X'0'	0	STO2TMOD	"0" JES2 Verbose section mod
4	(4)	BITSTRING	1	STO2FLG1	General flags
		1...		STO21ERR	"B'10000000'" Error obtaining verbose data
		.1..		STO21ORI	"B'01000000'" Demand select overrides are present
5	(5)	BITSTRING	3		Reserved
8	(8)	BITSTRING	8	STO2SPST	Data set SPOOL data token
		The following fields are populated iff the data set is part of a JOE because the JOE is a "demand select" JOE. Flag STO21ORI on indicates that the "demand select" scenario exists. If an installation or an individual job specifies "demand select", then data sets are gathered into JOEs irrespective of whether the following list of characteristics are matching or not: o Forms o FCB o UCS o Flash o Burst Notes: These fields are empty unless STO21ORI is on in STO2FLG1. There is no necessity for this support in JES3.				
16	(10)	CHARACTER	8	STO2FORM	Forms
24	(18)	CHARACTER	4	STO2FCB	FCB
28	(1C)	CHARACTER	4	STO2UCS	UCS
32	(20)	CHARACTER	4	STO2FLSH	Flash
36	(24)	BITSTRING	1	STO2FLG2	General flag byte
		1...		STO21BRT	"B'10000000'" BURST=YES
36	(24)	X'25'	0	STO2SIZE	"*-STATSEO2" Length of section

Table 370. Structure STATSEO3

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSEO3	, JES3 verbose data area
0	(0)	ADDRESS	2	STO3LEN	Len of JES3 verbose section
2	(2)	ADDRESS	1	STO3TYPE	Type of this header
3	(3)	ADDRESS	1	STO3MOD	Modifier
3	(3)	X'0'	0	STO3TMOD	"0" JES3 Verbose section mod
4	(4)	BITSTRING	1	STO3FLG1	General flags
		1...		STO31ERR	"B'10000000'" Error obtaining verbose data
5	(5)	BITSTRING	3		Reserved
8	(8)	BITSTRING	80	STO3CMTK	*MODIFY,U command token
8	(8)	X'58'	0	STO3SIZE	"*-STATSEO3" Length of section

Table 371. Structure STATSESO

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSESO	, SYSOUT security section
0	(0)	ADDRESS	2	STSOLEN	Length of security section
2	(2)	ADDRESS	1	STSOTYPE	Type of this header
3	(3)	ADDRESS	1	STSOMOD	Modifier
3	(3)	X'0'	0	STSOSMOD	"0" Security section modifier
4	(4)	BITSTRING	1	STSOFLG1	Security section flags
		1...		STSO1ERR	"B'10000000'" Error obtaining verbose data
5	(5)	BITSTRING	1		Reserved for future use
6	(6)	ADDRESS	2	STSOOFFS	Offset to SAF token
6	(6)	X'6'	0	STSOLENP	"STSOOFFS,2,C'A'" Compat with older releases
8	(8)	CHARACTER	1	STSOTOKN(0)	Mapped SAF token

Table 372. Structure STATSEOT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STATSEOT	, SYSOUT transaction section
0	(0)	ADDRESS	2	STOTLEN	Length of transaction sect
2	(2)	ADDRESS	1	STOTTYPE	Type of this header
3	(3)	ADDRESS	1	STOTMOD	Modifier
3	(3)	X'0'	0	STOTSMOD	"0" Transaction sect modifier
4	(4)	CHARACTER	8	STOTJOBN	Transaction (APPC) Program Jobname that created this data set
12	(C)	CHARACTER	8	STOTJID	Transaction (APPC) Program Job ID that created this data set
20	(14)	BITSTRING	4	STOTSTRT	Trans entry start time
24	(18)	BITSTRING	4	STOTSTRD	Trans entry start date
28	(1C)	BITSTRING	8	STOTEXST	Trans execution start time
36	(24)	BITSTRING	4	STOTACTO	Trans account number
36	(24)	X'28'	0	STOTSIZE	"*-STATSEOT" Length of section

Table 373. Cross Reference for SSST

Name	Offset	Hex Tag
SSSTLEN8	1B0	1E8
STACACCT	40	25
STACAMOD	3	0
STACFLEN	6	8
STACFLG1	4	0
STACJAC1	3	
STACJLEN	0	
STACJNR	2	
STACLEN	0	0
STACMOD	3	
STACNTRY	0	
STACOFFS	6	
STACTYPE	2	
STAC1ERR	4	80

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STAC1OV	4	40
STAFFIN	40	3
STAFLEN	0	0
STAFMEMB	8	
STAFMOD	3	
STAFNUM	4	
STAFSIZE	8	8
STAFTMOD	3	0
STAFTYPE	2	
STAT	0	
STAT_ALLOC	A1	8
STAT_BRKDWN	A1	11
STAT_CMPLT	A1	17
STAT_CONV	A1	82
STAT_DEMSEL	A1	18
STAT_DONE	A1	13
STAT_EFBAD	A1	1A
STAT_EFWAIT	A1	19
STAT_ERROR	A1	C
STAT_EXEC	A1	FD
STAT_FETCH	A1	5
STAT_FSSCI	A1	2
STAT_INPUT	A1	80
STAT_MAXNDX	A1	1B
STAT_NOSUB	A1	1
STAT_ONMAIN	A1	E
STAT_OSWAIT	A1	16
STAT_OUTPT	A1	14
STAT_OUTQUE	A1	15
STAT_POSTEX	A1	FE
STAT_PSCBAT	A1	3
STAT_PSCDSL	A1	4
STAT_PURG	A1	87
STAT_RECV	A1	88
STAT_RESTRT	A1	12
STAT_SELECT	A1	D
STAT_SETUP	A1	83
STAT_SPIN	A1	84
STAT_SYSSEL	A1	7
STAT_SYSVER	A1	B
STAT_VERIFY	A1	A
STAT_VOLUAV	A1	9
STAT_VOLWT	A1	6
STAT_WTBKDN	A1	85
STAT_WTCONV	A1	81
STAT_WTPURG	A1	86
STAT_WTXMIT	A1	89
STAT_XMIT	A1	8A
STATAFFS	0	

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STATCLSL	70	40404040
STATCLSN	160	
STATCLSP	164	
STATCTKN	118	
STATCVRL	7	9
STATCVRM	7	0
STATDB	0	
STATDBHD	0	
STATDBTE	0	
STATDEST	4E	40404040
STATDLST	C	6
STATDSTN	170	
STATDSTP	174	
STATEYE	2	E2E3C1E3
STATGRNN	1A8	
STATGRNP	1AC	
STATGRPN	1A0	40404040
STATINVA	0	4
STATINVT	0	C
STATJBIH	2E	40404040
STATJBIL	26	40404040
STATJBNN	168	
STATJBNP	16C	
STATJCRP	190	
STATJDTP	104	
STATJOBF	D4	
STATJOBF_64	F8	
STATJOBN	1E	40404040
STATJQ	0	
STATJQAC	0	
STATJQHD	0	
STATJQLM	CC	
STATJQSE	0	
STATJQTR	0	
STATJQVB	0	
STATJVHD	0	
STATJZDN	0	
STATJZXC	0	
STATJ2TR	0	
STATJ3TR	0	
STATLEN	0	1C8
STATLERR	0	8
STATMEM	C	3
STATMEMB	98	
STATNRJQ	D8	0
STATNRSE	DC	0
STATOFG1	E8	0
STATOHIX	F0	
STATOHLD	EC	

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STATOJBI	36	40404040
STATOPT1	BA	
STATOPT2	D0	
STATORGN	60	40404040
STATOUTT	C	4
STATOUTV	C	5
STATOWNR	3E	40404040
STATO1CP	E8	80
STATO164	E8	40
STATPARM	0	
STATPELM	C	
STATPELM_64	10	
STATPERF	E0	0
STATPHAZ	A1	
STATPHTP	100	
STATPHZN	178	
STATPHZP	17C	
STATPLEN	10	18
STATPPRM	4	
STATPRIO	A0	
STATPSIZ	0	
STATPVER	2	
STATPWRK	8	
STATRBEA	A	78
STATRCLS	A	14
STATRCST	A	3C
STATRDST	A	4
STATREAS	A	0
STATREA2	B	0
STATRECJ	A	70
STATREYE	A	24
STATRGRN	A	B4
STATRIDS	A	90
STATRJBH	A	C
STATRJBL	A	8
STATRJBN	A	2C
STATRJCO	A	AC
STATRJCR	A	A8
STATRJIL	A	9C
STATRJIP	A	A0
STATRJIZ	A	A4
STATRJLM	A	10
STATRJST	A	B0
STATRLEN	A	28
STATRLMT	A	4
STATRMEM	A	38
STATRNEX	A	8C
STATROJB	A	40
STATRORG	A	48

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STATROWN	A	30
STATRPHZ	A	1C
STATRPRI	A	50
STATRPRM	C0	0
STATRQUE	A	20
STATRSCR	A	60
STATRSCT	A	5C
STATRSEC	A	44
STATRSEN	A	58
STATRSFR	A	7C
STATRSPR	A	80
STATRSSC	A	68
STATRSSD	A	64
STATRSUB	A	88
STATRSUP	A	84
STATRSVC	A	54
STATRSXW	A	6C
STATRSYS	A	34
STATRTN	BC	
STATRTOK	0	0
STATRTRS	A	94
STATRVBM	A	74
STATRVOL	A	18
STATRWIL	A	98
STATRXEQ	A	4C
STATSAPC	19	10
STATSATR	0	
STATSCHD	0	
STATSCHS	0	
STATSCLA	136	40404040
STATSCLF	0	
STATSCLN	180	
STATSCLP	184	
STATSCLS	18	80
STATSCLX	1B	8
STATSCOR	CB	80
STATSCRE	11C	40404040
STATSCTK	1C	80
STATSDES	124	40404040
STATSDSN	188	
STATSDSP	18C	
STATSDST	18	40
STATSE	0	
STATSECL	46	40404040
STATSEHD	0	
STATSEL1	18	0
STATSEL2	19	0
STATSEL3	1A	0
STATSEL4	1B	0

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STATSEL5	CB	0
STATSENV	AA	40404040
STATSEOT	0	
STATSEO2	0	
STATSEO3	0	
STATSESO	0	
STATSETR	0	
STATSEVB	0	
STATSFOR	146	40404040
STATSGRP	CB	40
STATSHLD	1A	10
STATSHOL	BB	4
STATSIZE	1B0	1C8
STATSIZ1	118	118
STATSIZ2	118	118
STATSIZ3	1B0	1C8
STATSIZ4	1B0	1C8
STATSIZ5	1B0	1C8
STATSIZ6	1B0	1C8
STATSIZ7	1B0	1C8
STATSIZ8	1B0	1C8
STATSIZ9	1B0	1C8
STATSJBI	18	10
STATSJBN	18	20
STATSJIL	1B	1
STATSJOB	19	20
STATSJ2T	0	
STATSJ3T	0	
STATSKEP	BB	2
STATSLVE	BB	1
STATSMEM	1A	2
STATSNHL	1A	8
STATSOJD	1B	4
STATSOJI	18	8
STATSORG	1B	80
STATSOWN	18	4
STATSPHZ	1A	20
STATSPOS	1A	1
STATSPRI	1A	80
STATSPRM	14E	40404040
STATSQPS	1B	2
STATSRVC	A2	40404040
STATSSCL	1C	10
STATSSDS	1C	20
STATSSEC	18	2
STATSSEN	1B	10
STATSSFR	1D	80
STATSSHL	1C	4
STATSSIP	1D	8

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STATSSJD	1D	1
STATSSJ1	C8	10
STATSSLC	BB	80
STATSSL1	1C	0
STATSSL2	1D	0
STATSSL3	BB	0
STATSSL4	C8	0
STATSSNH	1C	2
STATSSNI	1D	4
STATSSNJ	BB	10
STATSSNS	1D	10
STATSSNT	BB	40
STATSSOD	1D	2
STATSSOW	1C	40
STATSSPR	1D	40
STATSSRV	1B	20
STATSSSP	1D	20
STATSSTC	19	80
STATSSUB	18	1
STATSSWR	1C	8
STATSSYS	1A	4
STATSTBG	18	
STATSTB2	28	
STATSTCP	14	
STATSTCP_64	20	
STATSTHL	8	
STATSTID	0	E2E3C1E3
STATSTNX	10	
STATSTNX_64	18	
STATSTOR	0	
STATSTPI	C8	40
STATSTPL	C	E6
STATSTPN	C8	80
STATSTPU	C8	20
STATSTRP	10	
STATSTRP_64	110	
STATSTSP	C	
STATSTSU	19	40
STATSTTL	D	
STATSTYP	19	FF
STATSUBR	158	40404040
STATSVHD	0	
STATSVOL	1A	40
STATSWRT	BB	8
STATSWTR	13E	40404040
STATSXEQ	1B	40
STATSYS	90	
STATSZDN	19	8
STATTERS	C	1

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STATTKHL	8	
STATTKID	0	E2E3C1E3
STATTKND	20	28
STATTKNX	C	
STATTKPR	20	
STATTKRS	14	
STATTKR2	15	
STATTKSK	14	FF
STATTKSN	10	
STATTKTK	18	
STATTKVR	A	
STATTRAK	0	
STATTRKP	14	
STATTRSA	C4	
STATTRSA_64	198	
STATTYPE	C	1
STATVE	0	
STATVER	6	
STATVERL	6	
STATVERM	7	
STATVERO	8	0
STATVO	0	
STATVOL	78	40404040
STATVRBO	C	2
STATV010	7	100
STATV020	7	200
STATV030	7	300
STATV040	7	400
STATV050	7	500
STATV060	7	600
STATV070	7	700
STATV071	7	701
STATV080	7	800
STATV090	7	900
STATXEQN	68	40404040
STATZOMO	CA	5C
STAT1B64	BA	4
STAT1CHR	C9	6F
STAT1LCL	BA	40
STAT1LMT	BA	10
STAT1NDP	BA	8
STAT1RAC	BA	80
STAT1WMB	BA	1
STAT1WMS	BA	2
STAT1WSI	BA	20
STAT2DEP	D0	80
STAT2ZDN	D0	40
STDBEYE	0	E2C4C5D7
STDBNXT4	8	C

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STDBNXT8	8	
STDBOHDR	4	10
STDBSIZE	8	10
STDBTERS	40	9
STDB1HDR	40	8
STDHDSIZ	3	4
STDHLEN	0	
STDHMOD	3	
STDHTYPE	2	
STDH1MOD	3	0
STDTACTN	48	
STDTAFAI	48	2
STDTAFLU	48	1
STDTASAT	48	0
STDTCFAI	6	2
STDTCFLU	6	1
STDTCOMP	5	1
STDTCON	4	2
STDTCSAT	6	0
STDTCSTA	6	
STDTDEP	4	1
STDTDJBN	5A	40404040
STDTDJID	62	40404040
STDTDTYP	4	
STDTEPTR	4	80
STDTERFL	4	
STDTLEN	0	6A
STDTMOD	3	
STDTOFAI	49	2
STDTOFLU	49	1
STDTOSAT	49	0
STDTOTHR	49	
STDTPEND	5	0
STDTPJBN	4A	40404040
STDTPJID	52	40404040
STDTSIZE	62	6A
STDTSTAT	5	
STDTTMOD	3	0
STDTTYPE	2	
STDTWHEL	8	10
STDTWHEN	8	40404040
STDTWHE4	8	C
STDTWHE8	8	8
STDTWHFL	7	
STDTWPTR	7	80
STHDLEN	0	
STHDMOD	3	
STHDSIZE	3	4
STHDTYPE	2	

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STHD1HDR	40	0
STHD1MOD	3	0
STJQDEP4	40	44
STJQDEP8	40	
STJQEYE	0	E2D1D8C5
STJQNEXT	8	
STJQNEXT_64	20	
STJQOHDR	4	48
STJQOSS	10	40404040
STJQSE	C	
STJQSE_64	28	
STJQSIZE	40	48
STJQSIZ1	18	1C
STJQSIZ2	38	40
STJQSIZ3	40	48
STJQSVRB	18	
STJQSVRB_64	38	
STJQVRBO	14	
STJQVRBO_64	30	
STJVLEN	0	
STJVMOD	3	
STJVSIZE	3	4
STJVTYPE	2	
STJV1HDR	40	20
STJV1MOD	3	0
STJZACTI	1C	2
STJZALLF	1D	1
STJZANYF	1D	2
STJZCOMP	1C	3
STJZESEL	1E	1
STJZFLSH	1C	4
STJZINER	1C	5
STJZJZEL	1E	
STJZJZFL	1D	
STJZJZID	C	40404040
STJZJZJS	14	40404040
STJZJZNA	4	40404040
STJZJZST	1C	
STJZLEN	0	0
STJZMOD	3	
STJZNOFL	1D	0
STJZNOST	1C	0
STJZNSEL	1E	0
STJZPEND	1C	1
STJZSIZE	1F	20
STJZTMOD	3	2
STJZTYPE	2	
STJ2BUSY	2D	0
STJ2DPNO	18	0

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STJ2DPRM	1A	0
STJ2DPUS	1C	40404040
STJ2FLG1	4	0
STJ2IMBR	6	0
STJ2INPN	24	0
STJ2JKEY	8	0
STJ2JQEI	28	0
STJ2JZDN	40	7
STJ2LEN	0	2E
STJ2MOD	3	
STJ2OFSL	2C	0
STJ2SIZE	2D	2E
STJ2SPAC	14	0
STJ2SPOL	C	0
STJ2TERS	40	2
STJ2TMOD	3	0
STJ2TYPE	2	
STJ2XEQN	26	0
STJ21CNW	4	10
STJ21IND	4	40
STJ21PRO	4	80
STJ21RBL	4	8
STJ21SYS	4	20
STJ3JSTM	2C	
STJ3JSTT	C	
STJ3LEN	0	12C
STJ3MOD	3	
STJ3SIZE	2C	12C
STJ3SPOL	4	0
STJ3TERS	40	6
STJ3TMOD	3	0
STJ3TYPE	2	
STOTACTO	24	0
STOTAPPC	40	65
STOTEXST	1C	0
STOTJID	C	40404040
STOTJOBN	4	40404040
STOTLEN	0	28
STOTMOD	3	
STOTSIZE	24	28
STOTSMOD	3	0
STOTSTRD	18	0
STOTSTRT	14	0
STOTTYPE	2	
STO2FCB	18	40404040
STO2FLG1	4	0
STO2FLG2	24	0
STO2FLSH	20	40404040
STO2FORM	10	40404040

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STO2LEN	0	25
STO2MOD	3	
STO2SIZE	24	25
STO2SPST	8	0
STO2TMOD	3	0
STO2TYPE	2	
STO2UCS	1C	40404040
STO2VRBO	40	62
STO21BRT	24	80
STO21ERR	4	80
STO21ORI	4	40
STO3CMTK	8	0
STO3FLG1	4	0
STO3LEN	0	58
STO3MOD	3	
STO3SIZE	8	58
STO3TMOD	3	0
STO3TYPE	2	
STO3VRBO	40	63
STO31ERR	4	80
STSAJID	C	40404040
STSAJOBN	4	40404040
STSALEN	0	14
STSAMOD	3	
STSASIZE	C	14
STSATERS	40	45
STSATMOD	3	0
STSATYPE	2	
STSCAHLD	4	0
STSCAHL2	3C	0
STSCASID	6	0
STSCAVGQ	30	
STSCESTT	10	
STSCFLG1	5	0
STSCHED	40	4
STSCHUNT	3C	40
STSCJAFF	4	10
STSCJBSY	4	4
STSCJCLM	4	40
STSCJCLS	4	80
STSCJSCF	4	2
STSCJSCH	4	20
STSCJSPL	4	8
STSCLEN	0	0
STSCMLEV	3C	80
STSCMOD	3	
STSCNOSY	4	1
STSCPSEQ	38	
STSCQACT	2C	

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STSCQNUM	28	
STSCQPOS	24	
STSCQTIM	34	
STSCRCLS	40	0
STSCSENV	14	40404040
STSCSIZE	54	5C
STSCSRVC	8	40404040
STSCSTBD	50	C
STSCSTBT	4C	0
STSCSTBY	4C	
STSCTMOD	3	0
STSCTYPE	2	
STSCUNTD	48	C
STSCUNTL	44	
STSCUNTT	44	0
STSCWITH	54	40404040
STSC1JCM	5	80
STSC1SBU	5	8
STSC1SBY	5	20
STSC1UNT	5	40
STSC1UNU	5	10
STSECLAF	40	5
STSEEYE	0	E2D6E4E3
STSEFLG1	4	0
STSEJNXT	8	
STSEJNXT_64	18	
STSEJOB	C	
STSEJOB_64	20	
STSELEN	0	0
STSEMOD	3	
STSEOFFS	6	
STSEOHDR	4	30
STSESEC	40	24
STSESIZE	28	30
STSESIZ1	10	14
STSESIZ2	28	30
STSESMOD	3	0
STSETOKN	8	
STSETYPE	2	
STSEVRBO	10	
STSEVRBO_64	28	
STSE1ERR	4	80
STSE1JB	4	40
STSHLEN	0	
STSHMOD	3	
STSHSIZE	3	4
STSHTYPE	2	
STSH1HDR	40	40
STSH1MOD	3	0

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STSLLEN	0	0
STSLMOD	3	
STSLNUM	4	
STSLSIZE	8	8
STSLSYS	8	
STSLTMOD	3	0
STSLTYPE	2	
STSOFLG1	4	0
STSOLEN	0	0
STSOLENP	6	6
STSOMOD	3	
STSOOFFS	6	
STSOSEC	40	64
STSOSMOD	3	0
STSOTOKN	8	
STSOTYPE	2	
STSO1ERR	4	80
STSSLEN	0	0
STSSMOD	3	
STSSNUM	4	
STSSSIZE	8	8
STSSSYS	8	
STSSTMOD	3	1
STSSTYPE	2	
STSTBYCT	3A	0
STSTCHAR	72	40404040
STSTCLAS	26	40404040
STSTCTKN	DD	0
STSTDEST	14	40404040
STSTDEVN	9A	40404040
STSTDHLD	AE	80
STSTDISP	AE	0
STSTDKEP	AE	10
STSTDLVE	AE	40
STSTDWRT	AE	20
STSTFCB	4A	40404040
STSTFLG1	AF	0
STSTFLG2	87	0
STSTFLSH	6A	40404040
STSTFORM	42	40404040
STSTHBDT	AC	4
STSTHOPR	AC	80
STSTHRSN	AD	0
STSTHSTA	AC	0
STSTHSYS	AC	20
STSTHTCP	AC	2
STSTHTSO	AC	10
STSTHUSR	AC	40
STSTHXWT	AC	8

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STSTLEN	0	135
STSTLNCT	36	0
STSTLNCU	12D	0
STSTMEM	92	40404040
STSTMOD	3	
STSTMODC	86	0
STSTMODF	82	40404040
STSTNREC	2E	0
STSTOUID	4	40404040
STSTPAGE	32	0
STSTPGCU	131	0
STSTPMDE	62	40404040
STSTPRIO	B0	0
STSTSECL	C	40404040
STSTSIZE	131	135
STSTSOID	B1	40404040
STSTSYS	8A	40404040
STSTTERS	40	41
STSTTMOD	3	0
STSTTYPE	2	
STSTUCS	52	40404040
STSTXWTR	5A	40404040
STST1APC	AF	2
STST1BRT	AF	80
STST1CPD	AF	10
STST1CTK	AF	1
STST1DSI	AF	40
STST1IPA	AF	20
STST1NSL	AF	4
STST1SPN	AF	8
STST2CIV	87	80
STST2DMN	87	40
STSVLEN	0	
STSVMOD	3	
STSVSIZE	3	4
STSVTYPE	2	
STSV1HDR	40	60
STSV1MOD	3	0
STS2BUSY	56	0
STS2CHKT	49	0
STS2CRTM	1F	0
STS2FLG1	4	0
STS2GNAM	2B	40404040
STS2JID1	33	0
STS2JOEI	51	0
STS2LEN	0	57
STS2MOD	3	
STS2OFSL	55	0
STS2OGNM	5	40404040

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STS2RNOD	35	0
STS2RRMT	37	0
STS2RUSR	39	40404040
STS2SIZE	56	57
STS2SPOL	23	0
STS2TERS	40	42
STS2TMOD	3	0
STS2TSWB	41	0
STS2TYPE	2	
STS21DSH	4	80
STS21TSO	4	40
STS21USR	4	20
STS3FLG1	4	0
STS3LEN	0	C
STS3MOD	3	
STS3SIZE	8	C
STS3TERS	40	43
STS3TMOD	3	0
STS3TYPE	2	
STS3WSI	8	0
STS31FMT	4	20
STS31WSI	4	40
STS31XSY	4	80
STTRAPPC	88	4
STTRARMR	8A	80
STTRARMS	8A	0
STTRARMW	8A	40
STTRCLAS	1C	40404040
STTRDEVN	74	40404040
STTRHOLD	87	
STTRJCLD	8B	20
STTRJCOR	A8	
STTRJDUP	87	3
STTRJHLD	87	2
STTRJID	C	40404040
STTRJNHL	87	1
STTRJNUM	94	
STTRJOB	88	3
STTRJOBG	88	5
STTRJTYP	88	
STTRLEN	0	EC
STTRMEM	6C	40404040
STTRMISC	8B	0
STTRMOD	3	
STTRMSPN	8B	80
STTRMXCC	8D	
STTRMXRC	8C	
STTRNAME	4	40404040
STTROJID	14	40404040

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STTRONOD	24	40404040
STTROUID	54	40404040
STTRPEOM	8B	40
STTRPHAZ	86	
STTRPRIO	89	0
STTRPRND	34	40404040
STTRPRRE	3C	40404040
STTRPUND	44	40404040
STTRPURE	4C	40404040
STTRQPOS	90	
STTRSECL	5C	40404040
STTRSIZE	E8	EC
STTRSLOG	A0	
STTRSPAC	E8	0
STTRSPUS	98	
STTRSTC	88	1
STTRSYS	64	40404040
STTRSYSL	8B	10
STTRTERS	40	1
STTRTMOD	3	0
STTRTSU	88	2
STTRTYPE	2	
STTRXAB	8C	80
STTRXABN	8C	5
STTRXCAB	8C	6
STTRXCAN	8C	4
STTRXCC	8C	2
STTRXCDE	8C	40
STTRXCNV	8C	9
STTRXEOM	8C	8
STTRXFLU	8C	B
STTRXIND	8C	
STTRXINM	8C	F
STTRXJCL	8C	3
STTRXNOD	2C	40404040
STTRXNRM	8C	1
STTRXREQ	8C	20
STTRXSEC	8C	7
STTRXSYS	8C	A
STTRXUNK	8C	0
STVBACCT	98	40404040
STVBBLDG	A8	40404040
STVBDEPT	A0	40404040
STVBESMF	D2	80
STVBEVSF	D2	
STVBEVTW	D3	80
STVBFEAS	D3	
STVBFLG1	4	0
STVBIDEV	A	40404040

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STVBISID	1C	40404040
STVBJCIN	24	0
STVBJCPY	6	0
STVBJDVT	B8	40404040
STVBJLIN	28	0
STVBJPAG	2C	0
STVBJPUN	30	0
STVBJUSR	64	0
STVBLEN	0	D8
STVBLNCT	8	0
STVBMBR	4C	40404040
STVBMCLS	6C	40404040
STVBMLRC	D0	0
STVBMOD	3	
STVBMXCC	D5	
STVBMXRC	D4	
STVBNNJE	D3	40
STVBNOTN	74	40404040
STVBNOTU	7C	40404040
STVBPNAM	84	40404040
STVBROOM	B0	40404040
STVBRTE	3C	
STVBRTED	40	C
STVBRTET	3C	0
STVBRTS	34	
STVBRTSD	38	C
STVBRTST	34	0
STVBSIZE	D5	D8
STVBSUBG	C8	40404040
STVBSUBU	C0	40404040
STVBSUPF	D2	
STVBSYS	44	40404040
STVBTYPE	2	
STVBVMOD	3	0
STVBVRBO	40	21
STVBXAB	D4	80
STVBXABN	D4	5
STVBXCAB	D4	6
STVBXCAN	D4	4
STVBXCC	D4	2
STVBXCDE	D4	40
STVBXCNV	D4	9
STVBXEOM	D4	8
STVBXFLU	D4	B
STVBXIND	D4	
STVBXINM	D4	F
STVBXJCL	D4	3
STVBXNRM	D4	1
STVBXREQ	D4	20

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STVBXSEC	D4	7
STVBXSYS	D4	A
STVBXTE	5C	
STVBXTED	60	C
STVBXTET	5C	0
STVBXTS	54	
STVBXTSD	58	C
STVBXTST	54	0
STVBXUNK	D4	0
STVB1ERR	4	80
STVEEYE	0	E2D1E5C5
STVEJOB	8	
STVEJOB_64	10	
STVEOHDR	4	18
STVESIZE	10	18
STVESIZ1	8	C
STVESIZ2	10	18
STVOEYE	0	E2E2E5C5
STVOJNXT	C	
STVOJNXT_64	20	
STVOJOB	8	
STVOJOB_64	18	
STVOOHDR	4	38
STVOSIZE	30	38
STVOSIZ1	14	18
STVOSIZ2	30	38
STVOSNXT	14	
STVOSNXT_64	30	
STVOSOUT	10	
STVOSOUT_64	28	
STVSBYCT	44	0
STVSCHAR	DC	40404040
STVSCOPY	7C	0
STVSCTKN	8C	0
STVSDDND	16	40404040
STVSDSCL	4	40
STVSDSKY	36	0
STVSDSN	50	40404040
STVSFLG1	4	0
STVSFLG2	7E	0
STVSFLSC	7D	0
STVSLEN	0	F1
STVSLNCT	3C	0
STVSMLRL	3A	0
STVSMOD	3	
STVSMODC	F0	0
STVSMODF	EC	40404040
STVSPGCT	40	0
STVSPRCD	6	40404040

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STVSRCCT	4C	0
STVSRECF	5	0
STVSSEGM	32	0
STVSSIZE	F0	F1
STVSSTPD	E	40404040
STVSSTPN	7F	0
STVSTJID	26	40404040
STVSTJN	1E	40404040
STVSTOD	2E	0
STVSTYPE	2	
STVSVMOD	3	0
STVSVRBO	40	61
STVS1DUM	4	2
STVS1ENF	4	1
STVS1ERR	4	80
STVS1JSL	4	10
STVS1SIN	4	4
STVS1SPN	4	20
STVS1SYS	4	8
STVS2CIV	7E	80
STVS2SPN	7E	40
STV2VRBO	40	22
STV3VRBO	40	23
STZNACT	20	2
STZNACTI	20	1
STZNCANI	20	7
STZNCOMP	20	8
STZNDEP4	10	14
STZNDEP8	10	
STZNERFL	62	3
STZNERNE	62	0
STZNERRE	21	40404040
STZNERRL	21	29
STZNERRS	62	
STZNERR4	21	25
STZNERR8	21	21
STZNERST	62	1
STZNERSU	62	2
STZNFLSH	20	6
STZNHELD	20	5
STZNJOB4	8	C
STZNJOB8	8	
STZNLEN	0	64
STZNMOD	3	
STZNNAME	18	
STZNOEFL	61	3
STZNOEST	61	1
STZNOESU	61	2
STZNONER	61	

Table 373. Cross Reference for SSST (continued)

Name	Offset	Hex Tag
STZNPEND	20	0
STZNSIZE	63	64
STZNSTAT	20	
STZNSUSD	20	4
STZNSUSI	20	3
STZNTMOD	3	0
STZNTYPE	2	

Chapter 100. SSS2 Information

SSS2 Programming Interface Information

SSS2 is a programming interface.

SSS2 Heading Information

Common Name:	SSOB Extension for SYSOUT Application Program Interface (SAPI)
Macro ID:	IAZSSS2
DSECT Name:	SSS2
Owning Component:	JES Common (SC141)
Eye-Catcher ID:	'SSS2' Offset: 4 Length: 4
Storage Attributes:	Subpool: any Key: Key of SSI caller Residency: Any
Size:	See SSS2SIZE equate
Created by:	Caller of SSI
Pointed to by:	SSOBINDV in the IEFSSOBH mapping macro
Serialization:	None required
Function:	Defines the SSOB extension used to request SYSOUT data sets from JES.

SSS2 mapping

Table 374. Structure SSS2

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSS2	SSOB extension mapping - SSS2
Process SYSOUT data sets return codes (SSOBRETN) If a return code > 4 is given, and the SSS2JEST field is non-zero, the application should make a "cleanup" call. A "cleanup" call is requested by the application by setting bit SSS2CTRL in SSS2MSC1 after setting all fields defined by SSS2INPC and SSS2DISC to binary zeros					
0	(0)	X'0'	0	SSS2RTOK	"0" Everything is ok
0	(0)	X'4'	0	SSS2EODS	"4" No more data sets to select
0	(0)	X'8'	0	SSS2INVA	"8" Invalid search arguments
0	(0)	X'C'	0	SSS2UNAV	"12" Unable to process now
0	(0)	X'10'	0	SSS2DUPJ	"16" Duplicate jobnames (This RC can occur only if SSS2SDUP is on). The duplicate job may or may not have characteristics matching the SSS2 filter set.
0	(0)	X'14'	0	SSS2IDST	"20" Invalid destination specified
SS2AUTH EQU 24 Authorization failed					

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	X'1C'	0	SSS2TKNM	"28" Token map failed. Application will not be allowed to allocate to data set & DISP=(,KEEP) will be forced
0	(0)	X'20'	0	SSS2LERR	"32" Logic error (See the reason codes defined for SSS2REAS)
0	(0)	X'24'	0	SSS2ICLS	"36" SSS2CLAS not A-Z and not 0-9
0	(0)	X'28'	0	SSS2BDIS	"40" Disposition settings incorrect (See the reason codes defined for SSS2REAS)
0	(0)	X'2C'	0	SSS2CLON	"44" Disposition for data set group not uniform (See SSS2DSH). DISP=(,KEEP) will be forced with no override disposition information honored
0	(0)	ADDRESS	2	SSS2LEN	I.Length of Sysout extension
2	(2)	SIGNED	1	SSS2VER(0)	I.SSOB version
2	(2)	X'1'	0	SSS2IVER	"1" Initial version number
2	(2)	X'2'	0	SSS2VCTP	"2" Version supporting Client Print
2	(2)	X'3'	0	SSS2VJCR	"3" Version supporting Job Correlator
2	(2)	X'3'	0	SSS2CVER	"SSS2VJCR" Current version number
3	(3)	SIGNED	1	SSS2REAS	O.Reason code associated with SSOBRETN value of SSS2LERR, SSS2BDIS or SSS2EODS
Begin SSS2LERR reason codes					
3	(3)	X'4'	0	SSS2RENI	"4" SSS2JEST zero, but SSS2DSN not null
3	(3)	X'8'	0	SSS2REIP	"8" SSS2SIPA and SSS2SIPN are mutually exclusive
3	(3)	X'C'	0	SSS2RALO	"12" Prior data set still allocated
3	(3)	X'10'	0	SSS2RDUP	"16" SSS2SDUP on in SSS2SEL1 and wild cards used in SSS2JOBN
3	(3)	X'14'	0	SSS2RJBI	"20" SSS2JBIH < SSS2JBIL & SSS2SJBI on
3	(3)	X'18'	0	SSS2RCRE	"24" SSS2CREA has error & SSS2SCRE on
3	(3)	X'1C'	0	SSS2RLEN	"28" SSS2LEN is less than SSS2SIZE
3	(3)	X'20'	0	SSS2RTYP	"32" SSS2TYPE is not valid
3	(3)	X'24'	0	SSS2RDES	"36" SSS2DEST has error & SSS2SDST on
3	(3)	X'28'	0	SSS2RJNM	"40" SSS2JOBN has error & SSS2SJBN on
3	(3)	X'2C'	0	SSS2RFRM	"44" SSS2FORM has error & SSS2SFRM on
3	(3)	X'30'	0	SSS2RPGM	"48" SSS2PGMN has error & SSS2SPGM on
3	(3)	X'34'	0	SSS2RPRM	"52" SSS2PRMO has error & SSS2SPRM on

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
3	(3)	X'38'	0	SSS2RCLS	"56" SSS2CLSL has error & SSS2SCLS on
3	(3)	X'3C'	0	SSS2RFCB	"60" SSS2FCB has error & SSS2SFCB on
3	(3)	X'40'	0	SSS2RUCS	"64" SSS2UCS has error & SSS2SUCS on
3	(3)	X'44'	0	SSS2RCHR	"68" SSS2CHAR has error & SSS2SCHR on
3	(3)	X'48'	0	SSS2RMO	"72" SSS2MOD has error & SSS2SMOD on
3	(3)	X'4C'	0	SSS2RFL	"76" SSS2FLSH has error & SSS2SFLS on
3	(3)	X'50'	0	SSS2RLPM	"80" SSS2LMIN or SSS2LMAX is negative & SSS2SLIN is on -- or -- SSS2PMIN or SSS2PMAX is negative & SSS2SPAG is on
3	(3)	X'54'	0	SSS2RLPG	"84" SSS2LMIN > SSS2LMAX & SSS2SLIN on -- or -- SSS2PMIN > SSS2PMAX & SSS2SPAG on
3	(3)	X'58'	0	SSS2RDE2	"88" SSS2DES2 has error & SSS2TYPE is SSS2BULK & SSS2ROUT on
3	(3)	X'5C'	0	SSS2RVOL	"92" SSS2VOL has error & SSS2SVOL on
3	(3)	X'60'	0	SSS2REYE	"96" SSS2EYE does not have "SSS2"
3	(3)	X'64'	0	SSS2RCTK	"100" SSS2CTKN bad & SSS2SCTK on
3	(3)	X'68'	0	SSS2RBRO	"104" SSS2SBRO on and SSS2TYPE is not SSS2PUGE
3	(3)	X'6C'	0	SSS2RECJ	"108" SSS2SCTK & SSS2SJBI are mutually exclusive
3	(3)	X'70'	0	SSS2RODS	"112" SSS2ODST has error & SSS2SODS on
3	(3)	X'74'	0	SSS2RGID	"116" SSS2GRID has error & SSS2SGID on
3	(3)	X'78'	0	SSS2RJCR	"120" SSS2JCRP has error & SSS2SCOR on
		Reason codes through 180 reserved for SSS2LERR			
		End of SSS2LERR reason codes			
		Begin SSS2BDIS reason codes			
3	(3)	X'B8'	0	SSS2RDCL	"184" SSS2DCLS has error
3	(3)	X'BC'	0	SSS2RDFR	"188" SSS2DFOR has error
3	(3)	X'C0'	0	SSS2RDPG	"192" SSS2DPGM has error
3	(3)	X'C4'	0	SSS2RDDS	"196" SSS2DDES has error
3	(3)	X'C8'	0	SSS2RDHR	"200" Both SSS2DHLD & SSS2DRLS specified
3	(3)	X'CC'	0	SSS2RRON	"204" SSS2SRON on, but attempt made to change data set
		Reason codes through 232 reserved for SSS2BDIS			
		End of SSS2BDIS reason codes			
		Begin SSS2RTOK reason codes			
3	(3)	X'EC'	0	SSS2RBLK	"236" Data Set is blocked output (i.e. Operator/user hold)

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		End of SSS2RTOK reason codes Begin SSS2EODS reason codes The following SSS2EODS reason codes are applicable only when SSS2CTKN is used as a filter: SSS2RENM SSS2RENS			
3	(3)	X'F0'	0	SSS2RENM	"240" No matching output
3	(3)	X'F4'	0	SSS2RENS	"244" Matching output not selectable
		Reason codes through 252 reserved for SSS2EODS End of SSS2EODS reason codes			
4	(4)	CHARACTER	4	SSS2EYE	I.Eye catcher
8	(8)	CHARACTER	8	SSS2APPL	I.For application use. Either leave as binary zeros or supply an EBCDIC value which can be used for display purposes
16	(10)	BITSTRING	20	SSS2APL1	I.For application use.
		Applicable to each of the different type of calls defined for SSS2TYPE are the following: (1) The availability of data sets to select are considered those that are available at the time the search for a data set matching the selection criteria begins. That is, if a data set matching the selection criteria is created while the search is in progress, it is possible that the data set will not be found during this search. (2) The availability of data sets to select are considered those that are not currently being processed. (3) The use of the token returned from Extended Status (SSI 80) can result in an EOD return code (SSS2EODS) returned to the user. This can result when the SYSOUT available at the time Extended Status was used has been processed by the time this call was made (SSS2RENM) or is currently being processed (SSS2RENS).			
36	(24)	BITSTRING	1	SSS2TYPE(0)	I.Type of call
		Request type of put/get. Find a data set matching the selection criteria. See above comments for SSS2TYPE for information about selection of matching SYSOUT.			
36	(24)	X'1'	0	SSS2PUGE	"1" Request type of Put/Get
		Request type of Count. Find data sets matching the selection criteria and count the number of data sets and the number of lines, pages, bytes, and records in those data sets. SAF checks are not made for the data sets. Counts are only a snapshot at the time the JES processes the request. See above comments for SSS2TYPE for information about selection of matching SYSOUT.			
36	(24)	X'2'	0	SSS2COUN	"2" Request type of Count.

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		Bulk modify request. Find data sets matching the selection criteria and dispose of them as indicated in flag SSS2UFLG. No data sets will be made available to the caller. See above comments for SSS2TYPE for information about selection of matching SYSOUT.			
36	(24)	X'3'	0	SSS2BULK	"3" Bulk modify request.
37	(25)	ADDRESS	3		Reserved for future use and must be zero
		Begin optional input-only fields			
40	(28)	SIGNED	4	SSS2INPT(0)	Beginning of input fields
		Address of an ECB to be POSTed when work is selected which satisfies the selection criteria that was in this SSOB when the return code of SSS2EODS was last returned. The ECB can be in private or common storage. Caller is allowed to free the memory for this ECB only after making a call with SSS2CTRL on in SSS2MSC1			
40	(28)	ADDRESS	4	SSS2ECBP	I.ECB address (see above)
		It is expected that SSS2RBA with the attendent SSS2CHKP bit will be used by applications as a mechanism for interrupting the normal processing of a group of data sets. The most JES-efficient use of this approach is to process and delete data sets and to use the RBA mechanism only when the application wants to defer processing to a later time.			
44	(2C)	BITSTRING	8	SSS2RBA	IO.Relative Byte Address of first record to be read (See RPLRBAR)
		SSS2UFLG is meaningful only if SSS2BULK is specified in SSS2TYPE			
52	(34)	BITSTRING	1	SSS2UFLG	IBM.User disposition flags
		1...		SSS2SETC	"B'10000000'" Use SSS2CLAS as the new class
		.1..		SSS2DELC	"B'01000000'" Delete selected data set(s)
		..1.		SSS2ROUT	"B'00100000'" Use SSS2DES2 as the new data set destination
		...1		SSS2RLSE	"B'00010000'" Release selected data sets
		B'00001111' Reserved for future use and must X			
53	(35)	BITSTRING	1	(2)	Reserved for future use and must be zero
55	(37)	BITSTRING	1	SSS2SEL1	IS.Data set selection flags

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		Selection from one, two, or three queues can be specified. Held output and output destined for writers will be intermixed. The order of output with respect to held and non-held is not predictable.			
		1...		SSS2SHLD	"B'10000000'" Select "HOLD/LEAVE" output (JES2); Select "hold for TSO" output (JES3)
		.1..		SSS2SXWH	"B'01000000'" Select "hold for XWTR". In a JES2 environment, this has the same meaning as SSS2SHLD.
		11..		SSS2SHOL	"B'11000000'" Select from the hold queue. Specifying this setting guaran- tees that held output will be returned regardless of the JES servicing this request.
		..1.		SSS2SWTR	"B'00100000'" Select "WRITE/KEEP" output (JES2); Select from the writer queue if JES3.
55	(37)	X'E0'	0	SSS2SAWT	"SSS2SHLD+SSS2SXWH+SSS2SWTR" Select from all the above. If none of the three bits is set, then the request will be handled as if SSS2SWTR were specified.
		...1		SSS2SCLS	"B'00010000'" Use SSS2CLSL as the class selection list
		.... 1...		SSS2SDST	"B'00001000'" Use SSS2DEST as a filter
		.... .1..		SSS2SJBN	"B'00000100'" Use SSS2JOBN as a filter
		.... .11.		SSS2SDUP	"B'00000110'" Use SSS2JOBN as a filter, but give RC of SSS2DUPJ if duplicate jobs. This setting meaningful only if SSS2JOBN has no wild card characters. This setting is not used for a Bulk Modify (SSS2BULK) or Count (SSS2COUN) request.
		.... ..1.		SSS2SDU2	"B'00000010'" Give RC of SSS2DUPJ if duplicate job. This bit meaningful only if SSS2JOBN also set on
		1		SSS2SJBI	"B'00000001'" Use SSS2JBIL and SSS2JBIH as filters. Mutually exclusive with SSS2SCTK
56	(38)	BITSTRING	1	SSS2SEL2	IS.More data set selection flags
		1...		SSS2SPGM	"B'10000000'" Use SSS2PGMN as a filter
56	(38)	X'80'	0	SSS2SGID	"SSS2SPGM" Use SSS2GRID as a filter (internal JES3 only)

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		SSS2SFRM	"B'01000000'" Use SSS2FORM as a filter
		..1.		SSS2SCRE	"B'00100000'" Use SSS2CREA as a filter
		...1		SSS2SPRM	"B'00010000'" Use SSS2PRMO as a filter
		.... 1...		SSS2SIPA	"B'00001000'" Only select output which has an Internet Protocol (IP) address
		.... .1..		SSS2SIPN	"B'00000100'" Only select output which has no IP address. This setting is mutually exclusive with SSS2SIPA
		.... ..1.		SSS2SFCB	"B'00000010'" Use SSS2FCB as a filter
		1		SSS2SUCS	"B'00000001'" Use SSS2UCS as a filter
57	(39)	BITSTRING	1	SSS2SEL3	IS.More data set selection flags
		1...		SSS2SSTC	"B'10000000'" Include Started Tasks (STCs) (see note in SSS2STYP)
		.1..		SSS2STSU	"B'01000000'" Include Time Sharing Users (TSUs) (see note in SSS2STYP)
		..1.		SSS2SJOB	"B'00100000'" Include batch jobs (JOBs) (see note in SSS2STYP)
		...1		SSS2SAPC	"B'00010000'" Include APPC output (see note in SSS2STYP)
		B'00001111' Reserved for future output types			
		1111 1111		SSS2STYP	"B'11111111'" If none of these bits is on, then selection will be as if ALL of the bits are on.
58	(3A)	BITSTRING	1	SSS2SEL4	IS.More data set selection flags
		1...		SSS2SMOD	"B'10000000'" Use SSS2MOD as a filter (SSS2NMOD in SSS2RET2 on if the JES does not support)
		.1..		SSS2SFLS	"B'01000000'" Use SSS2FLSH as a filter
		..1.		SSS2SAGE	"B'00100000'" Data sets selected must be at least as old as the value in SSS2AGE.
		...1		SSS2SLIN	"B'00010000'" Use minimum and maximum line counts specified in SSS2LMIN and SSS2LMAX as a data set group filter
		.... 1...		SSS2SPAG	"B'00001000'" Use minimum and maximum page counts specified in SSS2PMIN and SSS2PMAX as a data set group filter
		.... .1..		SSS2SPRI	"B'00000100'" Select output based on priority

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		SSS2SVOL	"B'00000010'" Select output based on the volume serial list in SSS2VOL (SSS2NVOL in SSS2RET2 on if the JES does not support)
		1		SSS2SCHR	"B'00000001'" Use Printer translation tables in SSS2CHAR as a filter (SSS2NCHR in SSS2RET2 on if the JES does not support)
59	(3B)	BITSTRING	1	SSS2SEL5	IS.More data set selection flags
		1...		SSS2SCPN	"B'10000000'" Only select output which is not a CPDS (Composed Page Data Set)
		This filter can be used as the only input or in conjunction with the use of additional filters. If other filters are used, they must all match the SYSOUT attributes.			
		.1..		SSS2SCTK	"B'01000000'" Use SSS2CTKN as a filter Mutually exclusive with SSS2SJBI
		..1.		SSS2SBRO	"B'00100000'" Application intent is to browse
		...1		SSS2SODS	"B'00010000'" Use SSS2ODST as a filter
		.... 1...		SSS2SRON	"B'00001000'" Application intent is to read data sets only
		This filter is only meaningful when used in conjunction with filter SSS2SCTK. Blocked output is defined as output that has been held by a user or an operator, as indicated by appropriate flag(s) being set.			
		.... .1..		SSS2SBLK	"B'00000100'" Application wants blocked output
		.... ..1.		SSS2SENL	"B'00000010'" Enforce line limits set in SSS2LMIN, SSS2LMAX. (JES2 only)
		1		SSS2SENP	"B'00000001'" Enforce page limits set in SSS2PMIN, SSS2PMAX. (JES2 only)
60	(3C)	BITSTRING	1	SSS2SEL6	IS.More data set selection flags
		1...		SSS2STPN	"B'10000000'" Match SSS2JOBN to transaction job name
		.1..		SSS2STPI	"B'01000000'" Match SSS2JBIL and SSS2JBIH to transaction job ids. If on, SSS2JBIL and SSS2JBIH can be be EBCDIC characters (A-Z, 0-9).
		..1.		SSS2SIG0	"B'00100000'" Ignore line/page limits when corresponding actuals are zero (if SSS2SENL and SSS2SENP are off)
		...1		SSS2SCOR	"B'00010000'" Use SSS2JCRP as a pointer to a 64 byte job correlator filter

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		SSS2SHL2	"B'00001000'" Select "HOLD/LEAVE" output. In a JES2 environment, this has the same meaning as SSS2SHLD.
61	(3D)	BITSTRING	1		Reserved for future use and must be zero
62	(3E)	BITSTRING	1	SSS2MSC1	IS.Current data set misc. flags
		1...		SSS2CTRL	"B'10000000'" On - Processing complete Off- Return data set name
		.11.		SSS2FSWB	"B'01100000'" Return token for SJFREQ calls in field SSS2SWBT. This also means that the address of the SWBTUREQ buffer is returned in field SSS2SWTU
		..1.		SSS2FSWT	"B'00100000'" Return address of SWBTUREQ buffer in field SSS2SWTU
		...1		SSS2NJEH	"B'00010000'" Return address of NJE data set and job headers if available (SSS2NJED for data set header; SSS2NJEJ for job header) (SSS2NNHD in SSS2RET2 on if the JES does not support)
		B'00001111' Reserved for future use and must X			
63	(3F)	BITSTRING	1	(3)	Reserved for future use and must be zero
66	(42)	CHARACTER	8	SSS2JOBN	IS*.Jobname used for selection (if SSS2SJBN on)
		jobid's are of the form: xxxnnnnn where xxx is JOB, JO, or J nnnnn is 1 to 7 digits embedded and trailing blanks are OK To influence the type of job selected, use the settings in SSS2SEL3.			
74	(4A)	CHARACTER	8	SSS2JBIL	IS.Low jobid used for selection (if SSS2SJBI on).
82	(52)	CHARACTER	8	SSS2JBIH	IS.High jobid used for selection (if SSS2SJBI on). This value must be null or at least as high as SSS2JBIL.
90	(5A)	CHARACTER	8	SSS2CREA	IS*.Owning userid used for selection (if SSS2SCRE on) This is the SAF userid of the creating unit of work
98	(62)	CHARACTER	8	SSS2PRMO(4)	IS*.1 to 4 PRMODEs used for selection (if SSS2SPRM on). A sparse list is supported
98	(62)	X'62'	0	SSS2PRMC	"SSS2PRMO,*-SSS2PRMO,C'C'" PRMODEs

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		In JES2, the userid portion of the destination can contain the generic characters ' ' and '?'. This can match SYSOUT with a route code that contains a corresponding userid routing. However, destinations of the format 'R ', 'RM ', 'RMT ', 'U ', and 'N ' will not match SYSOUT with a route code of remote, special local, local, anylocal, or NJE. Also, wildcards are not supported for destinations defined by DESTID initialization statements. For more information, see z/OS JES2 Initialization & Tuning Guide's chapter, Controlling JES2 Processes.			
130	(82)	CHARACTER	18	SSS2DEST	IS*.Destination value used for selection (if SSS2SDST on). The format is node.userid or node.remote
148	(94)	BITSTRING	18		Reserved for future use and must zero
166	(A6)	CHARACTER	18	SSS2DES2	IBM.Destination value used for new destination (if SSS2ROUT on). The format is node.userid or node.remote
184	(B8)	CHARACTER	8	SSS2PGMN	IS*.User writer name used for selection (if SSS2SPGM is on).
184	(B8)	X'B8'	0	SSS2GRID	"SSS2PGMN,8,C'C'" IS.Group id for NJE/TCP selection (internal JES3 only)
192	(C0)	CHARACTER	8	SSS2FORM(8)	IS*.Form numbers used for selection (if SSS2SFRM is on). A sparse list is supported
192	(C0)	X'C0'	0	SSS2FORC	"SSS2FORM,*-SSS2FORM,C'C'" Form numbers
256	(100)	BITSTRING	8		Reserved for future use and must be zero
264	(108)	BITSTRING	8		Reserved for future use and must be zero
272	(110)	CHARACTER	36	SSS2CLSL	IS.Sysout class list used for selection (if SSS2SCLS is on).
308	(134)	CHARACTER	1	SSS2CLAS	IBM.New class if SSS2SETC is on.
309	(135)	BITSTRING	7		Really reserved for future SYSOUT class use.
316	(13C)	SIGNED	4	SSS2LMIN	IS.Minimum line count for data set group (if SSS2SLIN is on)
320	(140)	SIGNED	4	SSS2LMAX(0)	IS.Maximum line count for data set group (if SSS2SLIN is on)
324	(144)	SIGNED	4	SSS2PMIN	IS.Minimum page count for data set group (if SSS2SPAG is on)
328	(148)	SIGNED	4	SSS2PMAX(0)	IS.Maximum page count for data set group (if SSS2SPAG is on)
332	(14C)	CHARACTER	4	SSS2FCB	IS.FCB image name used for selection (if SSS2SFCB is on)
336	(150)	CHARACTER	4	SSS2UCS	IS.UCS image name used for selection (if SSS2SUCS is on)

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
340	(154)	CHARACTER	4	SSS2CHAR(4)	IS.Printer translate table selection (if SSS2SCHR is on). Supported only by JES3. A sparse list is supported
340	(154)	X'154'	0	SSS2CHAC	"SSS2CHAR,*-SSS2CHAR,C'C'" Printer translate tables
356	(164)	CHARACTER	4	SSS2MOD	IS.Modify image used for selection (if SSS2SMOD is on) Supported only by JES3.
360	(168)	CHARACTER	4	SSS2FLSH	IS.Flash cartridge ID for selection (if SSS2SFLS is on)
364	(16C)	ADDRESS	4	SSS2SECT	I.Zero or an address of where the JES should place the security token. If the address of the token is provided, the version and length are presumed to be in the token.
368	(170)	BITSTRING	4	SSS2AGE	IS.Minimum age of data sets to be selected (if SSS2SAGE is on). The low order bit represents 1.048576 seconds.
372	(174)	CHARACTER	6	SSS2VOL(4)	IS.List of SPOOL volume serial numbers. When SSS2SVOL is on, jobs are selected if and only if the job has output on at least one of the volumes listed. (JES2 only) A sparse list is supported
372	(174)	X'174'	0	SSS2VOLC	"SSS2VOL,*-SSS2VOL,C'C'" Volume serials
		The contents of the token pointed to by field SSS2CTKN are created by JES. The token allows for a quicker method of finding the associated data set. The tokens should not be compared or otherwise used except on SAPI or Extended Status calls. Two different tokens obtained via different means can point to the same data set. The token may have been obtained via: o A previous Extended Status request (see field STSTCTKN) o As the output of a PUT/GET request (in field SSS2DSTR) o Dynamic Allocation that specified the DALRTCTK text unit			
396	(18C)	ADDRESS	4	SSS2CTKN	IS.Address of client token used for selection (if SSS2SCTK is on).
		Origin node is the NJE node of work submission. It is not the node of execution.			
400	(190)	CHARACTER	8	SSS2ODST	IS*.Origin node name used for selection (if SSS2SODS is on)
408	(198)	ADDRESS	4	SSS2JCRP	IS*.Address of a 64 byte job correlator used for selection (if SSS2SCOR is on).
412	(19C)	SIGNED	4	(8)	Reserved for future use and must be zero

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
412	(19C)	X'28'	0	SSS2INPC	"SSS2INPT,*-SSS2INPT,C'X'" All input fields
		Begin optional disposition fields. These field are used to determine what is to be done with the data set that was last returned to the application and which is now being disposed of. If this is the first put/get call, then there is no "last" data set and so the following information is ignored. Settings in SSS2DSP1 and other dispositions are honored if and only if the keep bit (SSS2DKPE) is on. If SSS2DKPE is off and the data set has OUTDISP=KEEP then the data set will have OUTDISP=LEAVE after processing. If SSS2DKPE is off and the data set does not have OUTDISP=KEEP then the data set will be deleted regardless of other disposition settings in this section.			
444	(1BC)	SIGNED	4	SSS2DISP(0)	Beginning of disposition fields
444	(1BC)	BITSTRING	1	SSS2DSP1	ID.Flags describing the disposition for the data set whose name is currently in SSS2DSN.
		1...		SSS2DKPE	"B'10000000'" Keep the data set
		.1..		SSS2RHLD	"B'01000000'" Keep the data set and make it non-selectable (system hold)
		SSS2RNPR on means that the JES will not return the data set to the application address space again. The application should treat this as a suggestion (not iron clad) to the JES. The data set could be seen again by the application if: o The JES is restarted o The application is restarted o Some characteristic is changed by the operator or another application.			
		..1.		SSS2RNPR	"B'00100000'" Keep the data set and leave it selectable, but never return to this Sysout API address space again
		SSS2DHLD and SSS2RLS are mutually exclusve			
		...1		SSS2DHLD	"B'00010000'" Hold the data set
		.... 1...		SSS2DRLS	"B'00001000'" Release the data set
		.... .1..		SSS2CHKP	"B'00000100'" Use SSS2RBA to checkpoint the data set position. Next data set returned will have SSS2DSF on
		.... ..1.		SSS2DNWR	"B'00000010'" Set writer name to a null value

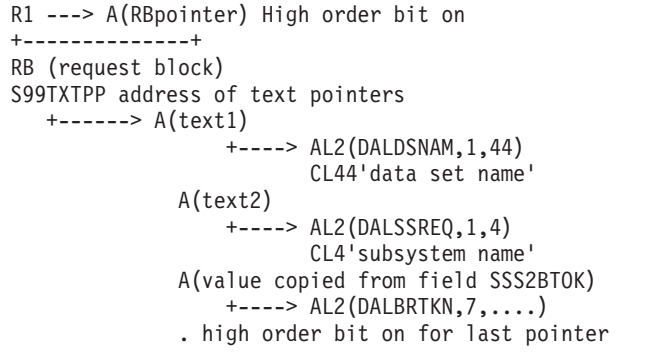
Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		SSS2RNPT on means that the JES will not return the data set to the application thread again. A thread begins with the first receipt of a token in field SSS2JEST and ends when the thread calls JES with the SSS2CTRL flag set. Other threads will be able to obtain the data set, provided their selection criteria allow it. The application should treat this as a suggestion (not iron clad) to the JES. The data set could be seen again by the thread if: o The JES is restarted o Some characteristic is changed by the operator or another application or thread. o Selection by token is requested			
		1		SSS2RNPT	"B'00000001'" Leave the data set selectable, but never return to this Sysout API thread again
445	(1BD)	BITSTRING	1	SSS2DSP2	ID.Flags describing the disposition for the data set whose name is currently in SSS2DSN.
		1...		SSS2RPRI	"B'10000000'" SSS2DPRI is set
		.1..		SSS2DNFO	"B'01000000'" Set forms code to the installation default
		..1.		SSS2REMV	"B'00100000'" Ensure data set removed from current JOE (JES2)
		...1		SSS2RENF	"B'00010000'" Request Data Set Notification (ENF58)
446	(1BE)	BITSTRING	1	(2)	Reserved for future use and must be zero
		The following fields are used to change a subset of the data set characteristics. These only have meaning if the data set is kept (SSS2DKEP on in SSS2DSP1). A null value (all blanks or all X'00') is taken to mean that no override is desired for character fields. A value of zero for a binary field is taken to mean that no override is desired.			
448	(1C0)	CHARACTER	1	SSS2DCLS	ID.New class
449	(1C1)	BITSTRING	7		Really reserved for future use and must be zero
456	(1C8)	CHARACTER	8	SSS2DFOR	ID.New forms
464	(1D0)	CHARACTER	8	SSS2DPGM	ID.New user writer name
472	(1D8)	CHARACTER	18	SSS2DDES	ID.New destination. The format is node.userid or node.remote
490	(1EA)	SIGNED	2	SSS2CLFT	ID.Number of copies left to process Values > 255 are treated as 255
492	(1EC)	SIGNED	1	SSS2DPRI	ID.New data set prioriry
493	(1ED)	BITSTRING	3		Reserved for future use and must be zero
493	(1ED)	X'1BC'	0	SSS2DISC	"SSS2DISP,*-SSS2DISP,C'X'" Disposition fields
		End of optional disposition fields. Begin output-only fields			

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
540	(21C)	SIGNED	4	SSS2OUTP(0)	O.Beginning of output area

The JES token returned in SSS2JEST is the linking mechanism that ties SAPI requests and DYNALLOC requests together. In addition, the token is what ties the stream of requests together. SAPI is designed such that for a given call of type SSS2PUGE, the last data set returned to the caller (for this stream) is disposed of before the next data set is provided.
The application must provide DALSSREQ (supplying the JES subsystem name (e.g. JES2 or JESA or JES3)) and a dynamic allocation text unit pointer which points to the address supplied in SSS2BTOK. In addition a text unit with DALDSNAM which uses the data set name returned in SSS2DSN must be supplied.



540	(21C)	BITSTRING	12	SSS2JEST	O.JES token associated with this SAPI request. A zero value here implies that this is a new request. A new request implies that the SSS2DSN is null.
552	(228)	ADDRESS	4	SSS2BTOK	O.Address of a JES initialized data area which must be pointed to by a dynamic allocation text unit pointer.
556	(22C)	SIGNED	2	SSS2COPY	O.Total number of copies requested by creator. A data set will be returned via this interface only once no matter how many copies were specified by the creator.
558	(22E)	SIGNED	2		Reserved for future use and must be zero
560	(230)	SIGNED	1	SSS2CPYG(8)	O.Copy groups
568	(238)	CHARACTER	8	SSS2JOBR	O.Jobname of selected job
576	(240)	CHARACTER	8	SSS2JBIR	O.Job ID of selected job
584	(248)	CHARACTER	8	SSS2OJBI	O.Original jobid of selected job. (Original id may be different from current jobid) (JES3 always returns blanks)
592	(250)	CHARACTER	8	SSS2CRER	O.Owning userid of data set selected
600	(258)	CHARACTER	8	SSS2JDVT	O.JCL Definition Vector Table
608	(260)	CHARACTER	8	SSS2PRMR	O.PRMODE of data set selected

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
616	(268)	CHARACTER	18	SSS2DESR	O.Destination of selected data set. The format is node.userid or node.remote
634	(27A)	CHARACTER	8	SSS2PGMR	O.Writer name of selected data set
642	(282)	CHARACTER	8	SSS2FORR	O.Form number of selected data set
650	(28A)	CHARACTER	8	SSS2TJN	O.Transaction (APPC) Program jobname that created this data set
658	(292)	CHARACTER	8	SSS2TJID	O.Transaction (APPC) Program Job ID that created this data set
666	(29A)	CHARACTER	44	SSS2DSN	O.Data set name of selected data set. Must be blanks or zeros if SSS2JEST is zero. No assumptions should be made regarding the format of the data set name
710	(2C6)	SIGNED	2		Reserved for future use and must be zero
712	(2C8)	SIGNED	4	SSS2SEGM	O.Segment id (zero if data set not segmented)
716	(2CC)	SIGNED	4	SSS2WRTN	O.SWB Processing Error - Return Code. Reason code field SSS2WRSN also set
716	(2CC)	X'0'	0	SSS2WOK	"0" Processing successful
716	(2CC)	X'4'	0	SSS2WERR	"4" Processing failed
		SSS2WRSN has the following values: SSSSCCRR where SSSSCCRR is defined as: SSSS Reason code from SJF service RR or a qualifier for a JES service error CC Return code from SJF service RR - 00 if RR is 4 or 8 RR indicates the SJF service or JES service 4 = JES SPOOL I/O Error 8 = JES Memory management error 12 = SWB_MERGE 16 = PUTSWB 20 = JDTEXTRACT 24 = SWBTUREQ RETRIEVE			
720	(2D0)	SIGNED	4	SSS2WRSN	O.SWB Processing Error - Reason Code set to non-zero only if SSS2WRTN is non-zero
724	(2D4)	CHARACTER	1	SSS2CLAR	O.Sysout class of selected data set
725	(2D5)	BITSTRING	7		Really reserved for future use and must be zero
732	(2DC)	SIGNED	2	SSS2MLRL	O.Maximum logical record length (LRECL)
734	(2DE)	CHARACTER	8	SSS2DSID	O.DSID for the selected data set
742	(2E6)	BITSTRING	1	SSS2RET1	O.Returned flags
		1...		SSS2GNVA	"B'10000000'" An output group name has been returned in SSS2OGNM (JES2 only)

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		SSS2DSCL	"B'01000000'" Line count, page count, byte count, and record count (SSS2LNCT, SSS2PGCT, SSS2BYCT, and SSS2RCCT) are accurate. This bit will not be on if there was an abnormal termina- tion or the data was created on a different node.
		..1.		SSS2DSF	"B'00100000'" First data set in output group
		..11		SSS2DSC	"B'00110000'" Output group being continued
		.... 1...		SSS2DSL	"B'00001000'" Last data set in output group
		.... .1..		SSS2IP	"B'00000100'" An Internet Protocol (IP) destination is available in the SJF data. See (SSS2SWBT and SSS2SWTU)
		.... ..1.		SSS2BRST	"B'00000010'" BURST=YES specified
		1		SSS2OPTJ	"B'00000001'" OPTCD=J specified
743	(2E7)	BITSTRING	1	SSS2RET2	0.Returned flags
		1...		SSS2NCHR	"B'10000000'" Selection using printer translation tables not supported Turned on only if JES does not support and SSS2SCHR is on
		.1..		SSS2NVOL	"B'01000000'" Selecting output based on a volume serial list not supported Turned on only if JES does not support and SSS2SVOL is on
		..1.		SSS2NNHD	"B'00100000'" Returning addresses of NJE headers not supported Turned on only if JES does not support and SSS2NJEH is on
		...1		SSS2NMOD	"B'00010000'" Selecting output based on Copy modification not supported Turned on only if JES does not support and SSS2SMOD is on
		.... 1...		SSS2NPRI	"B'00001000'" Selecting output in priority order not supported. Turned on only if JES does not support and SSS2SPRI is on
		.... .1..		SSS2NIPA	"B'00000100'" IP Address selection not supported. Turned on if JES does not support and SSS2SIPA or SSS2SIPN are on
744	(2E8)	BITSTRING	1	SSS2RET3	0.Returned flags
		1...		SSS2RSTC	"B'10000000'" Data set created by a started task (STC)
		.1..		SSS2RTSU	"B'01000000'" Data set created by a time sharing user (TSU)

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		SSS2RJOB	"B'00100000'" Data set created by a batch job
745	(2E9)	BITSTRING	1	SSS2RET4	O.Returned flags
		1...		SSS2CPDS	"B'10000000'" Data set has page mode data
		.1..		SSS2SPUN	"B'01000000'" Data set was spun at close
		..1.		SSS2DSH	"B'00100000'" All data sets in the current output group must be unallocated identically
746	(2EA)	BITSTRING	1	SSS2RET5	O.Queue where data set resides
		1...		SSS2RHLV	"B'10000000'" Data set on "HOLD/LEAVE" queue (JES2) or "hold @OW32461 for TSO" queue (JES3) @OW32461
		.1..		SSS2RXWH	"B'01000000'" Data set on "hold for @OW32461 XWTR" queue. This @OW32461 bit will never be on in a JES2 environment.
		11.1		SSS2RHOL	"B'11010000'" Data set on one of the held queues if one of these bits is on.
		..1.		SSS2RWTR	"B'00100000'" Data set on "WRITE/KEEP" queue (JES2) or "writer" queue if JES3
		...1		SSS2RHL2	"B'00010000'" Data set on hold queue for HOLD/LEAVE output disposition for JES3.
	EQU B'00001111' Reserved for future use				
747	(2EB)	BITSTRING	1	SSS2RFOR	Record format
	The following four count fields are valid only if SSS2DSCL is on in SSS2RET1. The fields represent counts for the single data set returned if SSS2TYPE is SSS2PUGE. The fields represent the total for all data sets selected if SSS2TYPE is SSS2COUN.				
748	(2EC)	SIGNED	4	SSS2LNCT	O.Line count
752	(2F0)	SIGNED	4	SSS2PGCT	O.Page count
756	(2F4)	SIGNED	4	SSS2BYCT(2)	O.Byte count after blank truncation 63 bit right justified
764	(2FC)	SIGNED	4	SSS2RCCT	O.Record count (JES3 only)
768	(300)	CHARACTER	8	SSS2PRCD	O.Procname for the step creating this data set
776	(308)	CHARACTER	8	SSS2STPD	O.Stepname for the step creating this data set
784	(310)	CHARACTER	8	SSS2DDND	O.DDNAME for the data set creation
792	(318)	BITSTRING	8	SSS2SWBT	O.Token used for SJFREQ services. This field is filled in if flag SSS2FSWB is set.

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
800	(320)	ADDRESS	4	SSS2SWTU	O.Address of the SWBTU block. This field is filled in if flag SSS2FSWT or SSS2FSWB is set.
		Data in SSS2PRIV is installation dependent data			
804	(324)	BITSTRING	8	SSS2PRIV	IO.Copied from/to SAPPRIV if JES2, copied from/to COWPRIV if JES3.
812	(32C)	CHARACTER	4	SSS2CHR1	O.Printer translate table 1
816	(330)	CHARACTER	4	SSS2CHR2	O.Printer translate table 2
820	(334)	CHARACTER	4	SSS2CHR3	O.Printer translate table 3
824	(338)	CHARACTER	4	SSS2CHR4	O.Printer translate table 4
		The data set returned with a given output group name will not necessarily continue to have the given output group name if this request keeps the data set.			
828	(33C)	CHARACTER	26	SSS2OGNM	O.JES2 output group name
854	(356)	BITSTRING	2		Reserved for future use and must be zero
856	(358)	CHARACTER	4	SSS2RMOD	O.Printer copy modification
860	(35C)	SIGNED	1	SSS2MODT	O.Printer table reference character
861	(35D)	CHARACTER	4	SSS2RFLS	O.Printer flash cartridge ID
865	(361)	SIGNED	1	SSS2FLSC	O.Number of flash copies
866	(362)	SIGNED	1	SSS2PRIO	O.Data set priority
867	(363)	SIGNED	1	SSS2LINC	O.Lines/page (JES2 only)
868	(364)	BITSTRING	4	SSS2TOD	O.Date and time of data set availability in TOD format (i.e. this value is the high order word of the TOD clock obtained via a STCK)
872	(368)	SIGNED	4	SSS2CDS	O.Count of work units (JOEs/OSEs) which match the selection criteria.
876	(36C)	ADDRESS	4	SSS2NJED	O.Address of NJE data set header. This field will be non-zero if a data set header is available and SSS2NJEH flag is on
880	(370)	CHARACTER	4	SSS2FCBR	O.Forms Control Buf (FCB) Set to asterisks ('****') if default FCB is returned
884	(374)	CHARACTER	4	SSS2UCSR	O.Univ Character Set (UCS) Set to asterisks ('****') if default UCS is returned
888	(378)	ADDRESS	4	SSS2DSTR	O.Address of data set token
892	(37C)	BITSTRING	4	SSS2WSI	O.Work Selection Identifier (JES3 only)
896	(380)	SIGNED	4	SSS2DSNM	O.Data set number
900	(384)	SIGNED	4	(7)	Reserved for future use and must be zero.
		Begin JOB level output-only fields			

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
928	(3A0)	CHARACTER	20	SSS2PNAM	O.Programmer name from the JOB statement
948	(3B4)	CHARACTER	8	SSS2ROOM	O.Job level room number
956	(3BC)	CHARACTER	8	SSS2NOTN	O.Job notify node
964	(3C4)	CHARACTER	8	SSS2NOTU	O.Job notify userid
	Accounting information is provided in "SMF" format, just as it is in type 5 and type 30 SMF records. AL1(number-of-pairs-that-follow) followed by 0 or more pairs of the form: AL1(length),CLlength'string' A length of 0 indicates an omitted field Example: Accounting information of (X3600,42,,FERN) DC AL1(4) Nr of fields DC AL1(5),CL5'X3600' field 1 DC AL1(2),CL2'42' field 2 DC AL1(0) field 3 (null) DC AL1(4),CL4'FERN' field 4				
972	(3CC)	ADDRESS	4	SSS2ACCT	O.Address of encoded accounting information.
976	(3D0)	CHARACTER	8	SSS2XEQ	O.Node where job executed
984	(3D8)	CHARACTER	8	SSS2ORG	O.Node where job entered network
	Time and date are local, not UCT/GMT				
992	(3E0)	SIGNED	4	SSS2TIME	O.Time on input processor for the selected job. This is in hundredths of seconds since midnight.
996	(3E4)		4	SSS2DATE	O.Date on input processor for the selected job. This is in the form 0cyydddF
	SSS2SYS and SSS2MBR not available if job came from net or was reloaded.				
1000	(3E8)	CHARACTER	8	SSS2SYS	O.System name of the MVS image where the job output was created
1008	(3F0)	CHARACTER	4	SSS2MBR	O.Member name of the JES2 image where the job output was created
1012	(3F4)	ADDRESS	4	SSS2NJEJ	O.Address of NJE job header. This field will be non-zero if the job header is available and SSS2NJEH flag is on
1016	(3F8)	CHARACTER	8	SSS2NACT	O.Net account (from NETACCT)
1024	(400)	CHARACTER	8	SSS2USID	O.JMR User Id
1032	(408)	BITSTRING	3	SSS2MXRC	Max return code
1035	(40B)	BITSTRING	3	SSS2LSAB	Last ABEND code
1038	(40E)	BITSTRING	2		Reserved for future use and
1040	(410)	SIGNED	4	(6)	must be zero.
1040	(410)	X'21C'	0	SSS2OUTC	"SSS2OUTP,*-SSS2OUTP,C'X'" All output fields up thru version 2
1040	(410)	X'428'	0	SSS21SIZ	"*-SSS2" Minimum length of version 1 SSS2, and minimum size allowed for SSS2
1040	(410)	X'428'	0	SSS22SIZ	"*-SSS2" Minimum length of version 2 SSS2

Table 374. Structure SSS2 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		The following fields are available as output in version 3 and above.			
1064	(428)	SIGNED	4	SSS2OUT3(0)	0.Beginning of version 3 output area
1064	(428)	CHARACTER	64	SSS2JCOR	0.Job correlator
1128	(468)	SIGNED	4	(8)	Reserved for future use and must be zero
1128	(468)	X'488'	0	SSS23SIZ	"*-SSS2" Minimum length of version 3 SSS2
1128	(468)	X'428'	0	SSS2OTC3	"SSS2OUT3,*-SSS2OUT3,C'X'" All output fields up thru version 3
1128	(468)	X'488'	0	SSS2SIZE	"*-SSS2" This is current size of SSS2

Table 375. Cross Reference for SSS2

Name	Offset	Hex Tag
SSS2	0	
SSS2ACCT	3CC	
SSS2AGE	170	0
SSS2APL1	10	0
SSS2APPL	8	40404040
SSS2BDIS	0	28
SSS2BRST	2E6	2
SSS2BTOK	228	
SSS2BULK	24	3
SSS2BYCT	2F4	0
SSS2CDS	368	0
SSS2CHAC	154	154
SSS2CHAR	154	40404040
SSS2CHKP	1BC	4
SSS2CHR1	32C	40404040
SSS2CHR2	330	40404040
SSS2CHR3	334	40404040
SSS2CHR4	338	40404040
SSS2CLAR	2D4	40
SSS2CLAS	134	40
SSS2CLFT	1EA	0
SSS2CLON	0	2C
SSS2CLSL	110	40404040
SSS2COPY	22C	0
SSS2COUN	24	2
SSS2CPDS	2E9	80
SSS2CPYG	230	0
SSS2CREA	5A	40404040
SSS2CRER	250	40404040
SSS2CTKN	18C	
SSS2CTRL	3E	80
SSS2CVER	2	3

Table 375. Cross Reference for SSS2 (continued)

Name	Offset	Hex Tag
SSS2DATE	3E4	C
SSS2DCLS	1C0	40
SSS2DDES	1D8	40404040
SSS2DDND	310	40404040
SSS2DELC	34	40
SSS2DESR	268	40404040
SSS2DEST	82	40404040
SSS2DES2	A6	40404040
SSS2DFOR	1C8	40404040
SSS2DHLD	1BC	10
SSS2DISC	1ED	1BC
SSS2DISP	1BC	
SSS2DKPE	1BC	80
SSS2DNFO	1BD	40
SSS2DNWR	1BC	2
SSS2DPGM	1D0	40404040
SSS2DPRI	1EC	0
SSS2DRLS	1BC	8
SSS2DSC	2E6	30
SSS2DSCL	2E6	40
SSS2DSF	2E6	20
SSS2DSH	2E9	20
SSS2DSID	2DE	40404040
SSS2DSL	2E6	8
SSS2DSN	29A	40404040
SSS2DSNM	380	
SSS2DSP1	1BC	0
SSS2DSP2	1BD	0
SSS2DSTR	378	
SSS2DUPJ	0	10
SSS2ECBP	28	
SSS2EODS	0	4
SSS2EYE	4	E2E2E2F2
SSS2FCB	14C	40404040
SSS2FCBR	370	40404040
SSS2FLSC	361	0
SSS2FLSH	168	40404040
SSS2FORC	C0	C0
SSS2FORM	C0	40404040
SSS2FORR	282	40404040
SSS2FSWB	3E	60
SSS2FSWT	3E	20
SSS2GNVA	2E6	80
SSS2GRID	B8	B8
SSS2ICLS	0	24
SSS2IDST	0	14
SSS2INPC	19C	28
SSS2INPT	28	
SSS2INVA	0	8

Table 375. Cross Reference for SSS2 (continued)

Name	Offset	Hex Tag
SSS2IP	2E6	4
SSS2IVER	2	1
SSS2JBIH	52	40404040
SSS2JBIL	4A	40404040
SSS2JBIR	240	40404040
SSS2JCOR	428	40404040
SSS2JCRP	198	
SSS2JDVT	258	40404040
SSS2JEST	21C	0
SSS2JOBN	42	40404040
SSS2JOBR	238	40404040
SSS2LEN	0	488
SSS2LERR	0	20
SSS2LINC	363	0
SSS2LMAX	140	7FFFFFFF
SSS2LMIN	13C	0
SSS2LNCT	2EC	0
SSS2LSAB	40B	0
SSS2MBR	3F0	40404040
SSS2MLRL	2DC	0
SSS2MOD	164	40404040
SSS2MODT	35C	0
SSS2MSC1	3E	0
SSS2MXRC	408	0
SSS2NACT	3F8	40404040
SSS2NCHR	2E7	80
SSS2NIPA	2E7	4
SSS2NJED	36C	
SSS2NJEH	3E	10
SSS2NJEJ	3F4	
SSS2NMOD	2E7	10
SSS2NNHD	2E7	20
SSS2NOTN	3BC	40404040
SSS2NOTU	3C4	40404040
SSS2NPRI	2E7	8
SSS2NVOL	2E7	40
SSS2ODST	190	40404040
SSS2OGNM	33C	40404040
SSS2OJBI	248	40404040
SSS2OPTJ	2E6	1
SSS2ORG	3D8	40404040
SSS2OTC3	468	428
SSS2OUTC	410	21C
SSS2OUTP	21C	
SSS2OUT3	428	
SSS2PGCT	2F0	0
SSS2PGMN	B8	40404040
SSS2PGMR	27A	40404040
SSS2PMAX	148	7FFFFFFF

Table 375. Cross Reference for SSS2 (continued)

Name	Offset	Hex Tag
SSS2PMIN	144	0
SSS2PNAM	3A0	40404040
SSS2PRCD	300	40404040
SSS2PRIO	362	0
SSS2PRIV	324	0
SSS2PRMC	62	62
SSS2PRMO	62	40404040
SSS2PRMR	260	40404040
SSS2PUGE	24	1
SSS2RALO	3	C
SSS2RBA	2C	0
SSS2RBLK	3	EC
SSS2RBRO	3	68
SSS2RCCT	2FC	0
SSS2RCHR	3	44
SSS2RCLS	3	38
SSS2RCRE	3	18
SSS2RCTK	3	64
SSS2RDCL	3	B8
SSS2RDDS	3	C4
SSS2RDES	3	24
SSS2RDE2	3	58
SSS2RDFR	3	BC
SSS2RDHR	3	C8
SSS2RDPG	3	C0
SSS2RDUP	3	10
SSS2REAS	3	
SSS2RECJ	3	6C
SSS2REIP	3	8
SSS2REMV	1BD	20
SSS2RENF	1BD	10
SSS2RENI	3	4
SSS2RENM	3	F0
SSS2RENS	3	F4
SSS2RET1	2E6	0
SSS2RET2	2E7	0
SSS2RET3	2E8	0
SSS2RET4	2E9	0
SSS2RET5	2EA	0
SSS2REYE	3	60
SSS2RFCB	3	3C
SSS2RFL	3	4C
SSS2RFLS	35D	40404040
SSS2RFOR	2EB	0
SSS2RFRM	3	2C
SSS2RGID	3	74
SSS2RHLD	1BC	40
SSS2RHLV	2EA	80
SSS2RHL2	2EA	10

Table 375. Cross Reference for SSS2 (continued)

Name	Offset	Hex Tag
SSS2RHOL	2EA	D0
SSS2RJBI	3	14
SSS2RJCR	3	78
SSS2RJNM	3	28
SSS2RJOB	2E8	20
SSS2RLEN	3	1C
SSS2RLPG	3	54
SSS2RLPM	3	50
SSS2RLSE	34	10
SSS2RMO	3	48
SSS2RMOD	358	40404040
SSS2RNPR	1BC	20
SSS2RNPT	1BC	1
SSS2RODS	3	70
SSS2ROOM	3B4	40404040
SSS2ROUT	34	20
SSS2RPGM	3	30
SSS2RPRI	1BD	80
SSS2RPRM	3	34
SSS2RRON	3	CC
SSS2RSTC	2E8	80
SSS2RTOK	0	0
SSS2RTSU	2E8	40
SSS2RTYP	3	20
SSS2RUCS	3	40
SSS2RVOL	3	5C
SSS2RWTR	2EA	20
SSS2RXWH	2EA	40
SSS2SAGE	3A	20
SSS2SAPC	39	10
SSS2SAWT	37	E0
SSS2SBLK	3B	4
SSS2SBRO	3B	20
SSS2SCHR	3A	1
SSS2SCLS	37	10
SSS2SCOR	3C	10
SSS2SCPN	3B	80
SSS2SCRE	38	20
SSS2SCTK	3B	40
SSS2SDST	37	8
SSS2SDUP	37	6
SSS2SDU2	37	2
SSS2SECT	16C	
SSS2SEGM	2C8	0
SSS2SEL1	37	0
SSS2SEL2	38	0
SSS2SEL3	39	0
SSS2SEL4	3A	0
SSS2SEL5	3B	0

Table 375. Cross Reference for SSS2 (continued)

Name	Offset	Hex Tag
SSS2SEL6	3C	0
SSS2SENL	3B	2
SSS2SENP	3B	1
SSS2SETC	34	80
SSS2SFCB	38	2
SSS2SFLS	3A	40
SSS2SFRM	38	40
SSS2SGID	38	80
SSS2SHLD	37	80
SSS2SHL2	3C	8
SSS2SHOL	37	C0
SSS2SIG0	3C	20
SSS2SIPA	38	8
SSS2SIPN	38	4
SSS2SIZE	468	488
SSS2SJBI	37	1
SSS2SJBN	37	4
SSS2SJOB	39	20
SSS2SLIN	3A	10
SSS2SMOD	3A	80
SSS2SODS	3B	10
SSS2SPAG	3A	8
SSS2SPGM	38	80
SSS2SPRI	3A	4
SSS2SPRM	38	10
SSS2SPUN	2E9	40
SSS2SRON	3B	8
SSS2SSTC	39	80
SSS2STPD	308	40404040
SSS2STPI	3C	40
SSS2STPN	3C	80
SSS2STSU	39	40
SSS2STYP	39	FF
SSS2SUCS	38	1
SSS2SVOL	3A	2
SSS2SWBT	318	0
SSS2SWTR	37	20
SSS2SWTU	320	
SSS2SXWH	37	40
SSS2SYS	3E8	40404040
SSS2TIME	3E0	0
SSS2TJID	292	40404040
SSS2TJN	28A	40404040
SSS2TKNM	0	1C
SSS2TOD	364	0
SSS2TYPE	24	1
SSS2UCS	150	40404040
SSS2UCSR	374	40404040
SSS2UFLG	34	0

Table 375. Cross Reference for SSS2 (continued)

Name	Offset	Hex Tag
SSS2UNAV	0	C
SSS2USID	400	40404040
SSS2VCTP	2	2
SSS2VER	2	3
SSS2VJCR	2	3
SSS2VOL	174	40404040
SSS2VOLC	174	174
SSS2WERR	2CC	4
SSS2WOK	2CC	0
SSS2WRSN	2D0	0
SSS2WRTN	2CC	0
SSS2WSI	37C	0
SSS2XEQ	3D0	40404040
SSS21SIZ	410	428
SSS22SIZ	410	428
SSS23SIZ	468	488

Chapter 101. SSTA Information

SSTA Programming Interface Information

SSTA is a programming interface.

SSTA Heading Information

Common Name:	Tape Allocation Subsystem Interface Mapping
Macro ID:	IEFSSTA
DSECT Name:	SSTA - SSTA Header SSTADDA - DD array entry SSTADRA - Device request array entry SSTAEDA - Eligible device array entry
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	SSTA Offset: 0 Length: 4
Storage Attributes:	Main Storage: No Virtual Storage: Yes Auxiliary Storage: Yes Subpool: 230 Key: 1 Data Space: No Residency: Any
Size:	'44'x - 68 decimal for SSTA Header '20'x - 32 decimal for each DD Array entry (number of entries is in SSTANDDS) '18'x - 24 decimal for each Device Request Array entry (number of entries is in SSTANDRA) 'C'x - 12 decimal for each Eligible Device Array entry (number of entries is in SSTANEDA)
Created by:	IEFAB483
Pointed to by:	Upon entry to the Tape Allocation Subsystem general purpose register 1 points to the SSOB. The SSOBINDV field points to the SSTA.
Serialization:	ENQ - Major Name: SYSIEFSD Minor Name: Q4 Scope : SYSTEM Mode : Shared Minor Name: CHNGDEVS Scope : SYSTEM Mode : Shared Minor Name: DDRTPUR Scope : SYSTEM Mode : Shared Minor Name: DDRDA (if DA requests) Scope : SYSTEM Mode : Shared LOCKS - Allocation group locks held

SSTA Heading Information

Function: Provides data shared by Allocation and the Tape Allocation Subsystem in order to build the information needed to solve a tape allocation request. The Tape Allocation Subsystem can influence the allocation selection by adding new criteria to consider when the allocation algorithm solves the requests.
To do this, the subsystem must know the relative importance of each of the criteria that IBM considers as well as what criteria is applied to each request/device combination.
The relative importance that IBM considers is kept in the SSTAIBMM mask. Each bit is defined as a specific criteria and when the bit is on the criteria is being applied to that request/device combination.
The table below gives the relative importance of each of the subsystem criteria as related to the IBM criteria (highest to lowest criteria)

Order	IBM	Subsystem
1		SSTAINEL
2	SSTADMND	
3		SSTAUS01
4		SSTAUS02
5	SSTAONUN	
6		SSTAUS03
7		SSTAUS04
8	SSTANAFH	
9		SSTAUS05
10		SSTAUS06
11	SSTASPCM	
12		SSTAUS07
13		SSTAUS08
14	(Generic device type, not specified by a bit)	
15		SSTAUS09
16		SSTAUS10
17	SSTAACL1	
18		SSTAUS11
19		SSTAUS12
20	SSTAACL2	
21		SSTAUS13
22		SSTAUS14
23	SSTAACL3	
24		SSTAUS15
25		SSTAUS16
26	SSTAVOLM	
27		SSTAUS17
28		SSTAUS18
29	SSTANVOL	
30		SSTAUS19

```
31                              SSTAUS20
32      SSTAWVOL
33                              SSTAUS21
34                              SSTAUS22
35      SSTAAVOL
36                              SSTAUS23
37                              SSTAUS24
38      SSTANAS
39                              SSTAUS25
40                              SSTAUS26
If the subsystem wants its own criteria considered
more important than a specific IBM criteria then it
just sets the bit in the User mask that is higher
in priority for the request/device combination that
the subsystem wishes the criteria to be applied to.
There are instances where bits can have multiple
meanings in the IBM criteria.  An example would be
the SSTAVOLM bit.  If the request is for a specific
tape volume the bit means one thing.  If the request
is for a nonspecific tape volume the bit means
something different.  In all cases where there are
multiple bit meanings there is no possibility of
overlapping criteria.  The actual meanings as applied
to a specific entry is determined by the device
request array entry for which this is an eligible
device array entry.  The SSTAPRV and SSTASPEC bits
will indicate whether the request is a specific,
private/nonspecific, or scratch request.
```

SSTA mapping

Table 376. Structure SSTA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSTA	Tape Allocation SSI parameters
0	(0)	CHARACTER	4	SSTAID	Identifier 'SSTA'
4	(4)	BITSTRING	1	SSTAVERS	SSTA version.
5	(5)	BITSTRING	1	SSTAFLGS	SSI call information flags.
		1...		SSTAFCAL	"X'80'" First call for this job step or dynamic allocation request
		.1..		SSTARECV	"X'40'" This call from Recovery Allocation processing
		..1.		SSTATRTY	"X'20'" This call from Tape Allocation retry processing
		...1		SSTAARTY	"X'10'" This call from Common Allocation retry processing
6	(6)	CHARACTER	2		reserved
8	(8)	CHARACTER	8	SSTASNAM	System name
16	(10)	CHARACTER	8	SSTAJNAM	Job name
24	(18)	CHARACTER	16	SSTASTNM	8-byte Job step name followed by 8 reserved bytes or 8-byte Procedure name followed by 8-byte Job step name (See TIOCSTEP in IEFTIOT1)
40	(28)	BITSTRING	4	SSTASTPN	Step number
44	(2C)	BITSTRING	4	SSTANDDS	Number of DD's

Table 376. Structure SSTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
48	(30)	ADDRESS	4	SSTADDAP	Pointer to the first DD array entry for this job/step
48	(30)	X'34'	0	SSTAHDRL	"*-SSTA" Length of the SSTA Header.

Table 377. Structure SSTADDA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSTADDA	DD array entry
0	(0)	CHARACTER	8	SSTADDN	DD name
8	(8)	ADDRESS	4	SSTAJFCP	Pointer to the JFCB for this DD array entry
12	(C)	BITSTRING	4	SSTACPOS	Concatenation position
16	(10)	BITSTRING	1	SSTADDF1	DD level information byte 1
		1...		SSTANEW	"X'80'" DISP=NEW indicator
		.1..		SSTAMOD	"X'40'" DISP=MOD indicator
		..1.		SSTAOLD	"X'20'" DISP=OLD indicator
		...1		SSTAGDGS	"X'10'" GDG single request
		.... 1...		SSTAGALL	"X'08'" Part of GDG all request
		.... .1..		SSTAGDGA	"X'04'" Generated DD
		.... ..1.		SSTAVLAF	"X'02'" Volume affinity indicator
		1		SSTAVAFF	"X'01'" Intra-step volume affinity
17	(11)	BITSTRING	1	SSTADDF2	DD level information byte 2
		1...		SSTAUNAF	"X'80'" Unit affinity indicator
		.1..		SSTAUARM	"X'40'" Unit affinity has been removed, but this condition is not permanent (i.e. the SIOT still indicates unit affinity)
18	(12)	CHARACTER	2		reserved
20	(14)	BITSTRING	4	SSTANDRA	Number of device request arrays
24	(18)	ADDRESS	4	SSTADRAP	Pointer to the first device request array entry for this DD
28	(1C)	ADDRESS	4	SSTADDAN	Pointer to the next DD array entry
28	(1C)	X'20'	0	SSTADDAL	"*-SSTADDA" Length of one (1) DD Array entry.

Table 378. Structure SSTADRA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSTADRA	Device request array entry
0	(0)	CHARACTER	6	SSTAVOLI	Volume serial number
6	(6)	BITSTRING	2	SSTADNDV	Was SSTANDEV. This field contains the number of devices eligible for this DD, with a maximum of 65535 devices. This field is provided for compatibility reasons only and SSTANDVS should be used instead.

Table 378. Structure SSTADRA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	BITSTRING	1	SSTAREQT	Device request information flags
		1...		SSTAPRV	"X'80'" Private request
		.1..		SSTASPEC	"X'40'" Specific volume needed
		..1.		SSTADEFR	"X'20'" Volume mounting deferred
		...1		SSTAALOC	"X'10'" Entry already allocated
		.... 1...		SSTASKIP	"X'08'" This entry being skipped
9	(9)	BITSTRING	1	SSTAUREQ	User supplied request level overrides
		1...		SSTAUDFR	"X'80'" Force request to defer mounting.
		.1..		SSTAUPRF	"X'40'" Indicates to use SSTAPREF in place of random clumping avoidance.
10	(A)	BITSTRING	2	SSTAVUID	Volume unit id for affinity
12	(C)	ADDRESS	4	SSTADEVP	Pointer to the first eligible device array entry for this request
16	(10)	ADDRESS	4	SSTADRAN	Pointer to the next device request array entry for this DD
20	(14)	BITSTRING	4	SSTANDVS	Number of devices eligible for this DD.
20	(14)	X'18'	0	SSTADRAL	"*-SSTADRA" Length of one (1) Device Request Array entry.

Table 379. Structure SSTAEDA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSTAEDA	Eligible device array
0	(0)	CHARACTER	4	SSTADNUM	Device number in EBCDIC
4	(4)	BITSTRING	3	SSTAIBMM(0)	IBM applied mask
4	(4)	BITSTRING	1	SSTAIBM1	First byte of the IBM mask
		1...		SSTADSK	"X'80'" This device skipped for request
		.1..		SSTADMND	"X'40'" This device demanded by this request
		..1.		SSTAONUN	"X'20'" Online/Unallocated device. In Recovery Allocation processing, this may also indicate a pending offline device
		...1		SSTANAFH	"X'10'" Not assigned to foreign host
		.... 1...		SSTASPCM	"X'08'" Volume mounted is one needed for this request
		.... .1..		SSTAACL1	"X'04'" Either no ACL is installed and this is a specific request or the ACL is active and this is a nonspecific request (public or private).
		.... ..1.		SSTAACL2	"X'02'" The installed ACL is inactive.

Table 379. Structure SSTAEDA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SSTAACL3	"X'01'" Either the ACL is active and this is a specific request or no ACL is installed and this is a nonspecific request (public or private).
5	(5)	BITSTRING	1	SSTAIBM2	Second byte of the IBM mask.
		1...		SSTAVOLM	"X'80'" Either the last volume mounted is needed OR the volume mounted is Public, was not PASSed or RETAINed, and this is a Scratch Request.
		.1..		SSTANVOL	"X'40'" No volume is mounted and the last volume mounted is not needed.
		..1.		SSTAWVOL	"X'20'" The wrong volume is mounted for a specific request but the last volume mounted matches.
		...1		SSTAAVOL	"X'10'" Either the wrong volume is mounted and the last one does not match, or any volume is mounted and this is a private request.
		.... 1...		SSTANAS	"X'08'" This device is not automatically switchable
6	(6)	BITSTRING	1	SSTAIBM3	Third byte of the IBM mask (currently reserved)
7	(7)	BITSTRING	1	SSTAPREF	Optional value to use as a replacement for random clumping avoidance.
8	(8)	BITSTRING	4	SSTAUSRM(0)	User applied mask
8	(8)	BITSTRING	1	SSTAUSE1	First byte of the User mask
		1...		SSTAINEL	"X'80'" Mark device ineligible
		.1..		SSTAUS01	"X'40'" User factor 1 should be assigned
		..1.		SSTAUS02	"X'20'" User factor 2 should be assigned
		...1		SSTAUS03	"X'10'" User factor 3 should be assigned
		.... 1...		SSTAUS04	"X'08'" User factor 4 should be assigned
		.... .1..		SSTAUS05	"X'04'" User factor 5 should be assigned
		.... ..1.		SSTAUS06	"X'02'" User factor 6 should be assigned
		1		SSTAUS07	"X'01'" User factor 7 should be assigned
9	(9)	BITSTRING	1	SSTAUSE2	Second byte of the User mask
		1...		SSTAUS08	"X'80'" User factor 8 should be assigned
		.1..		SSTAUS09	"X'40'" User factor 9 should be assigned
		..1.		SSTAUS10	"X'20'" User factor 10 should be assigned

Table 379. Structure SSTAEDA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		SSTAUS11	"X'10'" User factor 11 should be assigned
		.... 1...		SSTAUS12	"X'08'" User factor 12 should be assigned
		.... .1..		SSTAUS13	"X'04'" User factor 13 should be assigned
		.... ..1.		SSTAUS14	"X'02'" User factor 14 should be assigned
		1		SSTAUS15	"X'01'" User factor 15 should be assigned
10	(A)	BITSTRING	1	SSTAUSE3	Third byte of the User mask
		1...		SSTAUS16	"X'80'" User factor 16 should be assigned
		.1..		SSTAUS17	"X'40'" User factor 17 should be assigned
		..1.		SSTAUS18	"X'20'" User factor 18 should be assigned
		...1		SSTAUS19	"X'10'" User factor 19 should be assigned
		.... 1...		SSTAUS20	"X'08'" User factor 20 should be assigned
		.... .1..		SSTAUS21	"X'04'" User factor 21 should be assigned
		.... ..1.		SSTAUS22	"X'02'" User factor 22 should be assigned
		1		SSTAUS23	"X'01'" User factor 23 should be assigned
11	(B)	BITSTRING	1	SSTAUSE4	Fourth byte of the User mask
		1...		SSTAUS24	"X'80'" User factor 24 should be assigned
		.1..		SSTAUS25	"X'40'" User factor 25 should be assigned
		..1.		SSTAUS26	"X'20'" User factor 26 should be assigned
11	(B)	X'C'	0	SSTAEDAL	"*-SSTAEDA" Length of one (1) Eligible Device Array entry.
Constants					
12	(C)	CHARACTER	4	SSTACHAR	Eye catcher
12	(C)	X'4'	0	SSTAVERC	"04" Current SSTA version number.
12	(C)	X'4E'	0	SSOBTALC	"78" Function code

Table 380. Cross Reference for SSTA

Name	Offset	Hex Tag
SSOBTALC	C	4E
SSTA	0	
SSTAACL1	4	4
SSTAACL2	4	2
SSTAACL3	4	1
SSTAALOC	8	10
SSTAARTY	5	10

Table 380. Cross Reference for SSTA (continued)

Name	Offset	Hex Tag
SSTAAVOL	5	10
SSTACHAR	C	E2E2E3C1
SSTACPOS	C	
SSTADDA	0	
SSTADDAL	1C	20
SSTADDAN	1C	
SSTADDAP	30	
SSTADDF1	10	
SSTADDF2	11	
SSTADDN	0	
SSTADEFR	8	20
SSTADEVP	C	
SSTADMND	4	40
SSTADNDV	6	
SSTADNUM	0	
SSTADRA	0	
SSTADRAL	14	18
SSTADRAN	10	
SSTADRAP	18	
SSTADSK	4	80
SSTAEDA	0	
SSTAEDAL	B	C
SSTAFCAL	5	80
SSTAFLGS	5	
SSTAGALL	10	8
SSTAGDGA	10	4
SSTAGDGS	10	10
SSTAHDRL	30	34
SSTAIBMM	4	
SSTAIBM1	4	
SSTAIBM2	5	
SSTAIBM3	6	
SSTAID	0	
SSTAINEL	8	80
SSTAJFCP	8	
SSTAJNAM	10	
SSTAMOD	10	40
SSTANAFH	4	10
SSTANAS	5	8
SSTANDDS	2C	
SSTANDRA	14	
SSTANDVS	14	
SSTANEW	10	80
SSTANVOL	5	40
SSTAOLD	10	20
SSTAONUN	4	20
SSTAPREF	7	
SSTAPRV	8	80
SSTARECV	5	40

Table 380. Cross Reference for SSTA (continued)

Name	Offset	Hex Tag
SSTAREQT	8	
SSTASKIP	8	8
SSTASNAM	8	
SSTASPCM	4	8
SSTASPEC	8	40
SSTASTNM	18	
SSTASTPN	28	
SSTATRTY	5	20
SSTAUARM	11	40
SSTAUDFR	9	80
SSTAUNAF	11	80
SSTAUPRF	9	40
SSTAUREQ	9	
SSTAUSE1	8	
SSTAUSE2	9	
SSTAUSE3	A	
SSTAUSE4	B	
SSTAUSRM	8	
SSTAUS01	8	40
SSTAUS02	8	20
SSTAUS03	8	10
SSTAUS04	8	8
SSTAUS05	8	4
SSTAUS06	8	2
SSTAUS07	8	1
SSTAUS08	9	80
SSTAUS09	9	40
SSTAUS10	9	20
SSTAUS11	9	10
SSTAUS12	9	8
SSTAUS13	9	4
SSTAUS14	9	2
SSTAUS15	9	1
SSTAUS16	A	80
SSTAUS17	A	40
SSTAUS18	A	20
SSTAUS19	A	10
SSTAUS20	A	8
SSTAUS21	A	4
SSTAUS22	A	2
SSTAUS23	A	1
SSTAUS24	B	80
SSTAUS25	B	40
SSTAUS26	B	20
SSTAVAFF	10	1
SSTAVERC	C	4
SSTAVERS	4	
SSTAVLAF	10	2
SSTAVOLI	0	

Table 380. Cross Reference for SSTA (continued)

Name	Offset	Hex Tag
SSTAVOLM	5	80
SSTAVUID	A	
SSTAWVOL	5	20

Chapter 102. SSUS Information

SSUS Programming Interface Information

SSUS is a programming interface.

SSUS Heading Information

Common Name:	SSOB Extension for Remote Destination Validity Check
Macro ID:	IEFSSUS
DSECT Name:	SSUS
Owning Component:	SCHEDULER (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Determined by invoker Key: Determined by invoker Residency: Determined by invoker
Size:	72 bytes
Created by:	Users of the Remote Userid Validity Check Function
Pointed to by:	SSOBINDV field of the SSOB Data Area
Serialization:	None
Function:	Provides input to Subsystem Remote Destination Validity Check

SSUS mapping

Table 381. Structure SSUS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	32	SSUS	
0	(0)	CHARACTER	16	SSUSV0	Version 0 area
0	(0)	SIGNED	2	SSUSLEN	LENGH OF SSUS
2	(2)	BITSTRING	1	SSUSFLG1	FLAG BYTE
		1...		SSUS1NOD	IF ON, THE NODE NAME IS TO BE RETURNED IN THE SSOB
		.1..		SSUSCVXE	DESTINATION CONVERSION EXTENSION EXISTS
		..11 1111		*	RESERVED
3	(3)	UNSIGNED	1	SSUSVER	Version number
4	(4)	SIGNED	4	*	RESERVED
8	(8)	CHARACTER	8	SSUSUSER	REMOTE DEST TO BE VERIFIED
16	(10)	CHARACTER	16	SSUSV1	Version 1 additions
16	(10)	CHARACTER	8	SSUSNODE	NODE NAME RETURNED BY SSI
24	(18)	CHARACTER	8	SSUSRMT	EBCDIC NODE NAME ('RNNNNNNN'), IF ANY, ASSOCIATED WITH THE PASSED DESTID PEO2642
32	(20)	CHARACTER	0	*	END OF EXTENSION

SSUS mapping

Table 382. Constants for SSUS

Len	Type	Value	Name	Description
2	DECIMAL	11	SSOBUSER	REMOTE DESTINATION FUNCTION ID (SSOBFUNC)
	REMOTE DESTINATION VALIDITY CHECK RETURN CODES (SSOBRETN)			
4	DECIMAL	0	SSUSRTOK	VALID REQUEST
4	DECIMAL	4	SSUSNOUS	INVALID DESTINATION
4	DECIMAL	8	SSUSINCP	SUBSYSTEM COULD NOT COMPLETE THE VALIDITY CHECK
1	DECIMAL	1	SSUSCVER	Current version number
1	DECIMAL	1	SSUSNDRM	First version in which the SSUSNODE ans SSUSRMT fields are valid

Table 383. Cross Reference for SSUS

Name	Offset	Hex Tag
SSUS	0	
SSUSCVXE	2	40
SSUSFLG1	2	
SSUSLEN	0	
SSUSNODE	10	
SSUSRMT	18	
SSUSUSER	8	
SSUSVER	3	
SSUSV0	0	
SSUSV1	10	
SSUS1NOD	2	80

Chapter 103. SSVI Information

SSVI Programming Interface Information

SSVI is a programming interface.

SSVI Heading Information

Common Name:	Subsystem Version Information SSOB Extension
Macro ID:	IEFSSVI
DSECT Name:	SSVI, SSVIVDAT
Owning Component:	Subsystem Interface - SSI (SC1B6)
Eye-Catcher ID:	SSVI Offset: 4 Length: 4 bytes
Storage Attributes:	Subpool: Any Key: Key of caller of SSI Residency: Any
Size:	48 decimal + system variable output section + installation variable output section FREQUENCY = 1 per function code 54 SSI call
Created by:	The invoker of IEFSSREQ
Pointed to by:	SSOBINDV in the IEFSSOBH mapping macro
Serialization:	None
Function:	This mapping macro defines the parameters used for SSI function code 54, SubSystem Version Information. This function code is intended to be a mechanism to determine relatively static information about a subsystem.

SSVI mapping

Table 384. Structure SSVIVDAT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSVIVDAT	Variable data section mapping
0	(0)	SIGNED	2	SSVIVLEN	Length of the variable data
2	(2)	CHARACTER	1	SSVIDAT(0)	Data area

Chapter 104. SSVS Information

SSVS Programming Interface Information

ONLY the following fields are part of the programming interface information:

- SSVSLEN
- SSVSNUM
- SSVSSCTP

SSVS Heading Information

Common Name:	Subsystem Verification Service
Macro ID:	IEFSSVS
DSECT Name:	None
Owning Component:	Subsystem Interface (SC1B6)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Any Key: Key of caller of SSI Residency: Any
Size:	8 (SSVSSIZS) or 20 (SSVSSIZE) bytes
Created by:	The invoker of IEFSSREQ
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Maps the SSOB extension for the Subsystem Verification function request (SSI function code 15 (SSOBVERS))

SSVS mapping

Table 385. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

Table 385. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description

```
 START OF SPECIFICATIONS
01 MACRO NAME = IEFSSVS
01 DESCRIPTIVE NAME = Subsystem Verification Service
01 ACRONYM = SSVS
01 PROPRIETARY STATEMENT=
  PROPRIETARY_STATEMENT
 LICENSED MATERIALS - PROPERTY OF IBM
 THIS MACRO IS "RESTRICTED MATERIALS OF IBM"
 5655-068 (C) COPYRIGHT IBM CORP. 1980, 1994
 SEE COPYRIGHT INSTRUCTIONS
 STATUS= HBB5520
  END_OF_PROPRIETARY_STATEMENT
01 FUNCTION = Maps the SSOB extension for the Subsystem
               Verification function request (SSI function
               code 15 (SSOBVERS))
01 EXTERNAL CLASSIFICATION:
02 DMTI: BASE
02 GUPI: FIELDS
          SSVSLEN SSVSNUM SSVSSCTP
01 END OF EXTERNAL CLASSIFICATION:
    INVOCATION
01 METHOD OF ACCESS =
      PL/X VERSION =
        %DCL SSOBVS CHAR
        %SSOBVS = 'value' (see description below)
        %INCLUDE SYSLIB(IEFSSVS)
    PARAMETER DESCRIPTION =
      PARAMETER = SSOBVS
        DESCRIPTION = Global macro variable that determines
                      SSVS storage attributes. Set to a
                      valid storage attribute such as
                      'BASED(SSOBINDV)' or 'BDY(WORD)'.
        TYPE = Optional global parameter
        FORM = Character value
        DEFAULT = None
    PARAMETER INTERDEPENDENCIES = N/A
      BAL VERSION =
        Invoked via IEFJSSOB
          name name: symbol. Begin name in column 1.
        b One or more blanks (up to nine)
        IEFJSSOB VS,CONTIG=YES | NO Should start in col 10
        b One or more blanks
    PARAMETER DESCRIPTION = Refer to IEFJSSOB
01 NOTES = ADDITIONAL FIELDS WERE DEFINED FOR
             OS/VS2 JBB1226 RESULTING IN TWO
             VALID LENGTHS FOR IEFSSVS.
             SSVSSIZS IS THE LENGTH OF THE
             EXTENSION NOT INCLUDING THE ADDED
             FIELDS AND SSVSSIZE IS THE LENGTH OF THE
             ENTIRE EXTENSION.
01 DSECT NAME = None
01 COMPONENT = Subsystem Interface (SC1B6)
01 EYE CATCHER = None
02 OFFSET = N/A
```

Table 385. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
02 LENGTH = N/A 01 CREATED BY = The invoker of IEFSSREQ 01 POINTED TO BY = SSOBINDV field of the SSOB data area 01 DELETED BY = The invoker of IEFSSREQ 01 SERIALIZATION = None 01 STORAGE ATTRIBUTES = 02 ALLOCATION METHOD = Determined by the Caller 02 SUBPOOL = Any 02 KEY = Key of caller of SSI 02 RESIDENCY = Any 02 SIZE = 8 (SSVSSIZS) or 20 (SSVSSIZE) bytes 02 FREQUENCY = 1 per function code 15 SSI call 01 CHANGE ACTIVITY = G389P2N, G860P2G, 01, P1, P2 $01= OY59686 HBB4420 921218 PDPS: ADDED COMMENTS $P1= PIG1423 HBB5510 930715 PDBN: SHOWHDR format complete $P2= PIG2419 HBB5510 930909 PDBN: CDPI END OF SPECIFICATIONS A (SSVSNACT, SSVSNSEL) RETURN CODES A (SSVSSTRT) FUNCTION INDICATOR A - ADDED COMMENTS TO FIELDS SSVSNACT AND SSVSNSEL TO SAY THAT FIELDS SSVSSCTP AND SSVSNUM WILL BE SET. C - Updated prologue for CDPI compliance. Corrected comment for SSVSNUM field. C - Corrected CDPI information to be consistent with HBB4430 %GOTO SSVSPLS;					
0	(0) X'F'		0	SSOBVERS	"15" FUNCTION ID (SSOBFUNC)
SUBSYSTEM VERIFICATION RETURN CODES (SSOBRETN)					
0	(0) X'0'		0	SSVSSNAM	"0" SSIB CONTAINS A SUBSYSTEM NAME, FIELD SSVSSCTP IS SET, AND (1) IF SSVSSTRT IS OFF, BIT SSVSUPSS IS SET OR (2) IF SSVSSTRT IS ON, THE SUBSYSTEM IS ACTIVE AND SUPPORTS JOB SELECTION
0	(0) X'4'		0	SSVSJBNM	"4" NAME IS NOT NAME OF A SUBSYSTEM
0	(0) X'8'		0	SSVSNACT	"8" SUBSYSTEM IS NOT ACTIVE (VALID ONLY IF SSVSSTRT IS ON). FIELDS SSVSSCTP AND SSVSNUM ARE SET.
0	(0) X'C'		0	SSVSNSEL	"12" SUBSYSTEM DOES NOT SUPPORT JOB SELECTION (VALID ONLY IF SSVSSTRT IS ON). FIELDS SSVSSCTP AND SSVSNUM ARE SET.
0	(0) X'0'		0	SSVSBGN	"*"
0	(0) ADDRESS		2	SSVSLEN	VS EXTENSION LENGTH
2	(2) BITSTRING		1	SSVSFLG1	FLAG BYTE
	1...			SSVSUPSS	"X'80'" SET BY MASTER SUBSYSTEM TO INDICATE THAT THE SPECIFIED SUBSYSTEM REQUIRES THE USE OF THE PRIMARY SUBSYSTEM'S SERVICES (E.G. SYSOUT)

Table 385. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		SSVSSTRT	"X'40'" TEST NAME IN SSIBJBID FOR ACTIVE SUBSYSTEM THAT SUPPORTS INTERNAL READER DATASETS
3	(3)	BITSTRING	1	SSVSFLG2	RESERVED FLAG BYTE
4	(4)	ADDRESS	4	SSVSSCTP	PTR TO SSCT OF THE SPECIFIED SUBSYSTEM-RETURNED BY THE MASTER SUBSYSTEM
4	(4)	X'8'	0	SSVSSIZS	"*-SSVSBGN" SHORT FORM LENGTH
4	(4)	X'8'	0	SSVSADD	"*" ADD ON TO VS EXTENSION
8	(8)	SIGNED	2	SSVSNUM	Subsystem's index for use with subsystem affinity service ON SSCVT CHAIN
10	(A)	SIGNED	2	SSVSRES1	RESERVED
12	(C)	SIGNED	4	SSVSRES2	RESERVED
16	(10)	SIGNED	4	SSVSRES3	RESERVED
16	(10)	X'14'	0	SSVSSIZE	"*-SSVSBGN" LONG FORM LENGTH
16	(10)	X'30'	0	SSOBLN1A	"SSOBHSIZ+SSVSSIZE" TOTAL SSOB LENGTH

Table 386. Cross Reference for SSVS

Name	Offset	Hex Tag
SSOBLN1A	10	30
SSOBVERS	0	F
SSVSADD	4	8
SSVSBGN	0	0
SSVSFLG1	2	
SSVSFLG2	3	
SSVSJBNM	0	4
SSVSLEN	0	
SSVSNACT	0	8
SSVSNSEL	0	C
SSVSNUM	8	
SSVSRES1	A	
SSVSRES2	C	
SSVSRES3	10	
SSVSSCTP	4	
SSVSSIZE	10	14
SSVSSIZS	4	8
SSVSSNAM	0	0
SSVSSTRT	2	40
SSVSUPSS	2	80

Chapter 105. SSVT Information

SSVT Heading Information

Common Name:	Subsystem Vector Table
Macro ID:	IEFJSSVT
DSECT Name:	SSVT
Owning Component:	Subsystem Interface (SC1B6)
Eye-Catcher ID:	None
Storage Attributes:	Main Storage: No Virtual Storage: Yes Auxiliary Storage: Yes Subpool: Determined by caller of IEFSSVT. Must reside in common storage. Key: 0 Data Space: No Residency: ANY
Size:	260 bytes (decimal) plus 4 bytes for each function routine address slot reserved when the table is created. Maximum size 1284 bytes (decimal).
Created by:	Subsystem Interface
Pointed to by:	- SSCTSSVT field of the SSCVT data area
Serialization:	The SSVT should be accessed only through the services provided by the IEFSSI and IEFSSVT macros.
Function:	Indicates the SSI functions supported by the associated subsystem

SSVT mapping

Table 387. Structure SSVT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SSVT	
0	(0)	X'0'	0	SSVTBEGN	"*"
0	(0)	SIGNED	2	SSVTRSV1	RESERVED
2	(2)	SIGNED	2	SSVTFNUM	Maximum number of function routines supported by this vector table
					256 BYTE FUNCTION MATRIX - THE SSOB FUNCTION ID MINUS ONE IS USED AS AN OFFSET INTO THIS MATRIX. MATRIX FUNCTION BYTE =0 : THE FUNCTION SPECIFIED IN THE SSOB IS NOT SUPPORTED BY THIS SUBSYSTEM. MATRIX FUNCTION BYTE ¬=0 : THE VALUE (FUNCTION BYTE-1) 4 IS ADDED TO THE ADDRESS OF SSVTFRTN TO OBTAIN THE ADDRESS OF THE WORD CONTAINING THE FUNCTION ROUTINE POINTER FOR THIS REQUEST.
4	(4)	BITSTRING	1	SSVTFCOD(0)	FUNCTION MATRIX
4	(4)	X'104'	0	SSVTFSIZ	"*-SSVTBEGN" SSVT FIXED AREA SIZE

Table 387. Structure SSVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
260	(104)	SIGNED	4	SSVTFRTN	SSVTFRTN IS THE FIRST WORD OF A VARIABLE LENGTH MATRIX CONTAINING FUNCTION ROUTINE POINTERS FOR FUNCTIONS SUPPORTED BY THIS SUBSYSTEM. THE MATRIX CAN BE A MAXIMUM OF 256 WORDS LONG.
1284	(504)	X'504'	0	SSVTSIZE	"*-SSVTBEGN" MAXIMUM SSVT SIZE

Chapter 106. SSWA Information

SSWA Heading Information

Common Name:	SUBSYSTEM SCHEDULER WORK AREA
Macro ID:	IEFSSWA
DSECT Name:	SSWA
Owning Component:	Initiator/terminator (SC1B6)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 236 or 237 Key: 1
Size:	Variable length
Created by:	IEFVDA, IEFDB414
Pointed to by:	SIOTSSWA field of the SIOT data area SSAGSSWA field of the SSARB data area
Serialization:	None
Function:	Contains the data coded as part of a SUBSYS DD card or its dynamic allocation equivalent.

SSWA mapping

Table 388. Structure SSWA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SSWA	SUBSYSTEM SCHEDULER WORK AREA
0	(0)	CHARACTER	8	SSWAHDR	FIXED LENGTH HEADER
0	(0)	SIGNED	2	SSWATYPE	TYPE FIELD
2	(2)	CHARACTER	4	SSWASSNM	SUBSYSTEM NAME
6	(6)	SIGNED	2	SSWAPRNO	NO OF LEN-PARM PAIRS@G29AN2F
8	(8)	CHARACTER	*	SSWAPREN	FIRST LEN-PARM ENTRY@G29AN2F
8	(8)	UNSIGNED	1	SSWAPLEN	LENGTH OF FIRST (OR ONLY) PARAMETER
9	(9)	CHARACTER	*	SSWAPVAL	VALUE OF FIRST (OR ONLY) PARAMETER

Table 389. Structure SSWAIFLD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SSWAIFLD	INDIVIDUAL LEN-PARM PAIR MAP
0	(0)	UNSIGNED	1	SSWAILEN	LEN OF PARM ITEM
1	(1)	CHARACTER	*	SSWAIPRM	VALUE OF PARM ITEM

Table 390. Constants for SSWA

Len	Type	Value	Name	Description
	THE FOLLOWING DECLARE DEFINES THE VALUE OF THE TYPE FIELD(SSWTYPE) FOR A SYSTEM GENERATED SSWA			
2	DECIMAL	1	SSWASYST	SYSTEM CREATED SSWA

SSWA mapping

Table 391. Cross Reference for SSWA

Name	Offset	Hex Tag
SSWA	0	
SSWAHDR	0	
SSWAIFLD	0	
SSWAILEN	0	
SSWAIPRM	1	
SSWAPLEN	8	
SSWAPREN	8	
SSWAPRNO	6	
SSWAPVAL	9	
SSWASSNM	2	
SSWATYPE	0	

Chapter 107. SSWT Information

SSWT Programming Interface Information

SSWT is a programming interface.

SSWT Heading Information

Common Name:	SSOB Extension for Write to Operator
Macro ID:	IEFSSWT
DSECT Name:	SSWT
Owning Component:	JES3 (SC1BA)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	20 bytes for SSOB plus 16 bytes for SSWT
Created by:	IEAVSWCH, IEAVVWTO, IEAVMWTO, IEEMB804
Pointed to by:	SSOBINDV field of the SSOB data area
Serialization:	None
Function:	Parameter list for the subsystem interface.

SSWT mapping

Table 392. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

```
   START OF SPECIFICATIONS
01 DESCRIPTIVE NAME: SSOB Extension for Write to Operator
01 MACRO NAME: IEFSSWT
01 EXTERNAL CLASSIFICATION: PI
01 END OF EXTERNAL CLASSIFICATION:
01 DSECT NAME:
     SSWT
01 PROPRIETARY STATEMENT:
01 METHOD OF ACCESS:
01 COMPONENT: JES3 (SC1BA)
01 EYE-CATCHER: None
01 STORAGE ATTRIBUTES:
02 Subpool: User subpool
02 Key: User key
01 SIZE:
     20 bytes for SSOB plus 16 bytes for SSWT
01 CREATED BY:
     IEAVSWCH, IEAVVWTO, IEAVMWTO, IEEMB804
01 POINTED TO BY:
     SSOBINDV field of the SSOB data area
01 SERIALIZATION:
     None
01 FUNCTION:
02 Parameter list for the subsystem interface.
  END OF SPECIFICATIONS
  %GOTO SSWTPLS;
```

0	(0)	X'9'	0	SSOBWTO	"9" WTO FUNCTION ID (SSOBFUNC)

Table 392. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	X'21'	0	SSOBCONS	"33" CONSOLE STATUS FUNCTION ID
0	(0)	X'22'	0	SSOBWTL	"34" WTL FUNCTION ID
WRITE TO OPERATOR RETURN CODES (SSOBRETN)					
0	(0)	X'0'	0	SSWTRTOK	"0" FUNCTION 9: CONTINUE NORMAL WTO PROCESSING AND HARDCOPY THE MESSAGE FUNCTION 34: CONTINUE NORMAL WTO PROCESSING
0	(0)	X'4'	0	SSWTNDSP	"4" FUNCTION 9: DO NOT DISPLAY THE WTO, BUT MCS SHOULD HARDCOPY IT FUNCTION 34: BYPASS WTO PROCESSING
0	(0)	X'8'	0	SSWTOKNH	"8" FUNCTION 9: DISPLAY THE WTO AND DO NOT HARDCOPY IT
0	(0)	X'C'	0	SSWTNDNH	"12" FUNCTION 9: DO NOT DISPLAY THE WTO AND DO NOT HARDCOPY IT
0	(0)	X'0'	0	SSWTBGN	"*"
0	(0)	ADDRESS	2	SSWTLEN	WTO EXTENSION LENGTH
2	(2)	BITSTRING	1	SSWTFLG1	FIRST GENERAL FLAG AREA
		1...		SSWTPSB1	"X'80'" FOR USE BY THE PRIMARY SUBSYSTEM (REPLACES WQEMCSK AND WMJMCS2C BITS OF THE WQE)
		.1..		SSWTPRSP	"X'40'" PRTY WAS SPECIFIED ON WTO
		..1.		SSWTMPFS	"X'20'" MESSAGE IS TO BE SUPPRESSED DUE TO MPF
		...1		SSWTMPFP	"X'10'" MESSAGE WAS PROCESSED BY MPF AND IS NOT TO BE SUPPRESSED
		.... 1...		SSWTNMOD	"X'08'" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
		.... .1..		SSWTSNSP	"X'04'" SYSTEM NAME WAS SPECIFIED ON WTO
		.... ..1.		SSWTSISP	"X'02'" SYSTEM ID WAS SPECIFIED ON WTO
3	(3)	ADDRESS	1	SSWTVRSN	VERSION LEVEL
3	(3)	X'1'	0	SSWT211	"1" VERSION LEVEL FOR OS/VS2 JBB2110
3	(3)	X'2'	0	SSWT220	"2" VERSION LEVEL FOR OS/VS2 JBB2220
3	(3)	X'2'	0	SSWTVRID	"SSWT220" VERSION LEVEL VALUE
FOLLOWING WTO SUBSYSTEM INTERFACES MAY EXIST - - SINGLE WTO OR FIRST LINE OF MULTI-LINE WTO: SSWTMIN, SSWTORE ARE 0 - SECOND TO N-TH LINE OF MULTI-LINE WTO: SSWTORE IS 0 - WTOR: SSWTMIN IS 0					
4	(4)	ADDRESS	4	SSWTWQE	WQE ADDRESS (MAJOR)
8	(8)	ADDRESS	4	SSWTMIN	MINOR WQE ADDRESS
12	(C)	ADDRESS	4	SSWTORE	OPERATOR REPLY ELEMENT ADDRESS
16	(10)	SIGNED	2	SSWTPRTY	PRIORITY TO BE ASSIGNED TO THIS MESSAGE
18	(12)	CHARACTER	2	SSWTRSV1	RESERVED

Table 392. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
18	(12)	X'14'	0	SSWTSIZE	"*-SSWTBGN" WTO EXTENSION LENGTH
18	(12)	X'30'	0	SSOBLEN6	"SSOBHSIZ+SSWTSIZE" TOTAL SSOB LENGTH

Table 393. Cross Reference for SSWT

Name	Offset	Hex Tag
SSOBCONS	0	21
SSOBLEN6	12	30
SSOBWTL	0	22
SSOBWTO	0	9
SSWTBGN	0	0
SSWTFLG1	2	
SSWTLEN	0	
SSWTMIN	8	
SSWTMPFP	2	10
SSWTMPFS	2	20
SSWTNDNH	0	C
SSWTNDSP	0	4
SSWTNMOD	2	8
SSWTOKNH	0	8
SSWTORE	C	
SSWTPRSP	2	40
SSWTPRTY	10	
SSWTPSB1	2	80
SSWTRSV1	12	
SSWTRTOK	0	0
SSWTSISP	2	2
SSWTSIZE	12	14
SSWTSNSP	2	4
SSWTVRID	3	2
SSWTVRSN	3	
SSWTWQE	4	
SSWT211	3	1
SSWT220	3	2

Chapter 108. STAB Information

STAB Programming Interface Information

STAB is a programming interface.

STAB Heading Information

Common Name:	CTRACE Subname Table mapping
Macro ID:	ITTSTAB
DSECT Name:	ITTSTAB
Owning Component:	Component Trace (SCTRC)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 253 Key: 0
Size:	264 bytes
Created by:	ITTOOCT/ITTCTSER or IPCS CTRACE subcommand
Pointed to by:	CTSSSNTP if the start/stop routine is invoked CTXISNP if IPCS CTRACE subcommand processing
Serialization:	None
Function:	Mapping of the subname node for the TRACE beingprocessed.

STAB mapping

Table 394. Structure ITTSTAB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	ITTSTAB	
0	(0)	CHARACTER	1	STABLEN(8)	* Array with the length of each subname in the SUBNSTRG.
8	(8)	CHARACTER	256	STABSTRG	* List of subnames. Use STABLEN to determine the length and location of each subname.

Chapter 109. STCB Information

STCB Programming Interface Information

ONLY the following fields are part of the programming interface information:

- STCBCMP
- STCBDB2
- STCBFLC0
- STCBFLG2
- STCBFLG6
- STCBFPFL
- STCBIPKF
- STCBIPKM
- STCBLAA
- STCBOTCB
- STCBTTCB
- STCBUSER
- STCBVREQ

STCB Heading Information

Common Name:	Secondary Task Control Block (TCB)
Macro ID:	IHASTCB
DSECT Name:	STCB
Owning Component:	Task Management (SC1CL)
Eye-Catcher ID:	STCB Offset: 0 Length: 4
Storage Attributes:	Subpool: 253 (ELSQA) Key: 0 Residency: Above 16 MB line
Size:	OFFSET OF STCBEND MINUS THE OFFSET OF STCB
Created by:	IEAVEMIN IEAVEATO IEAMSWCB
Pointed to by:	TCBSTCB field of the TCB data areas
Serialization:	Depends on the field
Function:	The secondary task control block (STCB) allows task-related information to be kept above 16 megabytes.

STCB mapping

Table 395. Structure STCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	STCB	SECONDARY TCB
0	(0)	DBL WORD	8	STCBEGIN(0)	BEGINNING OF STCB
0	(0)	CHARACTER	4	STCBSTCB	ACRONYM IN EBCDIC -STCB-

Table 395. Structure STCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	ADDRESS	4	STCBRACP	POINTER TO RACF DATA FOR THIS TASK. OWNERSHIP: RACF. SERIALIZATION: NONE.
8	(8)	ADDRESS	4	STCBDIVF	POINTER TO 1ST DOA (DIV OBJECT ACCESS CONTROL BLOCK) FOR TCB. OWNERSHIP: DIV. SERIALIZATION: CML LOCK.
12	(C)	ADDRESS	4	STCBDIVL	POINTER TO LAST DOA FOR TCB. OWNERSHIP: DIV. SERIALIZATION: CML LOCK.
16	(10)	BITSTRING	2	STCBAFNS	ORIGINAL CPU AFFINITY SAVE AREA USED TO SAVE TCBAFFN
18	(12)	SIGNED	2	STCBCTSC	Number of consecutive dispatches remaining for this task
20	(14)	ADDRESS	4	STCBESSA	Address of ESSA
24	(18)	BITSTRING	1	STCBR018	Reserved
25	(19)	BITSTRING	1	STCBFLG1	FLAG BYTE OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: TASK MODE IS TCBACTIV SRB MODE IS LOCAL LOCK
		1...		STCBPIQ	"X'80'" INDICATES TO STAGE 3 EXIT EFFECTOR THAT IRB QUEUEING IS PROHIBITED. USE ONLY FOR ASYMMETRIC FEATURE PROCESSING.
		...1		STCBSST	"X'10'" Indicates that the task is a Subspace task.
		.... 1...		STCBCLUP	"X'08'" Cleanup only 991006
		.... .1..		STCBNTRM	"X'04'" Name Token cleanup complete for this CMRO task
26	(1A)	BITSTRING	2	STCBR01A	Reserved
28	(1C)	BITSTRING	4	STCBCMP(0)	Task completion code. STCBCMP is valid ONLY after its owning TCB has terminated. It may contain different information than TCBCMP because TCBCMP may be altered to provide an Initiator-specific final jobstep status. Ownership: RTM
28	(1C)	BITSTRING	1	STCBCMPF	When TcbEndingAbnormally is off, as of HBB7780 contains byte 4 of 64-bit GPR 15 when the last program to run in this task returned normally to the system. Otherwise, 'undefined'.

Table 395. Structure STCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
29	(1D)	BITSTRING	3	STCBCMPC	When TcbEndingAbnormally is on, contains the completion code for which this task abnormally terminated. The first 12 bits contain the system completion code or the last 12 bits contain the user completion code. When TCBEndingAbnormally is off, contains bytes 5-7 of 64-bit GPR 15 when the last program to run in this task returned normally to the system.
32	(20)	ADDRESS	4	STCBALOV	WORK UNIT ACCESS LIST VIRTUAL ADDRESS. OWNERSHIP: PC/AUTH. SERIALIZATION: TCBACTIV.
36	(24)	ADDRESS	4	STCBALD	WORK UNIT ACCESS LIST DESIGNATOR. BITS 1-24 WITH SEVEN ZEROES APPENDED ON THE RIGHT FORM THE 31-BIT REAL ADDRESS OF THE WORKUNIT'S ACCESS LIST. BITS 25-31 REPRESENT THE NUMBER OF 128 BYTE ACCESS LISTS, MINUS ONE. OWNERSHIP: PC/AUTH. SERIALIZATION: TCBACTIV.
40	(28)	ADDRESS	4	STCBDUCV	VIRTUAL ADDRESS OF THE DUCT. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: TCBACTIV.
44	(2C)	ADDRESS	4	STCBDUCR	REAL ADDRESS OF THE DUCT. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: TCBACTIV.
48	(30)	BITSTRING	64	STCBARS(0)	ACCESS REGISTER SAVEAREA. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: DISABLEMENT.
48	(30)	SIGNED	4	STCBAR0	ACCESS REGISTER 0 SAVE AREA.
52	(34)	SIGNED	4	STCBAR1	ACCESS REGISTER 1 SAVE AREA.
56	(38)	SIGNED	4	STCBAR2	ACCESS REGISTER 2 SAVE AREA.
60	(3C)	SIGNED	4	STCBAR3	ACCESS REGISTER 3 SAVE AREA.
64	(40)	SIGNED	4	STCBAR4	ACCESS REGISTER 4 SAVE AREA.
68	(44)	SIGNED	4	STCBAR5	ACCESS REGISTER 5 SAVE AREA.
72	(48)	SIGNED	4	STCBAR6	ACCESS REGISTER 6 SAVE AREA.
76	(4C)	SIGNED	4	STCBAR7	ACCESS REGISTER 7 SAVE AREA.
80	(50)	SIGNED	4	STCBAR8	ACCESS REGISTER 8 SAVE AREA.
84	(54)	SIGNED	4	STCBAR9	ACCESS REGISTER 9 SAVE AREA.
88	(58)	SIGNED	4	STCBAR10	ACCESS REGISTER 10 SAVE AREA.
92	(5C)	SIGNED	4	STCBAR11	ACCESS REGISTER 11 SAVE AREA.
96	(60)	SIGNED	4	STCBAR12	ACCESS REGISTER 12 SAVE AREA.
100	(64)	SIGNED	4	STCBAR13	ACCESS REGISTER 13 SAVE AREA.
104	(68)	SIGNED	4	STCBAR14	ACCESS REGISTER 14 SAVE AREA.
108	(6C)	SIGNED	4	STCBAR15	ACCESS REGISTER 15 SAVE AREA.
112	(70)	ADDRESS	4	STCBLSSD	VIRTUAL ADDRESS OF THE LSSD FOR THE TASK. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: LOCAL LOCK.

Table 395. Structure STCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
116	(74)	ADDRESS	4	STCBLSDP	LINKAGE STACK ENTRY DESCRIPTOR (LSED) POINTER. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: DISABLEMENT.
120	(78)	DBL WORD	8	STCBRME(0)	TASK RELATED RESOURCE MANAGER QUEUE POINTERS. OWNERSHIP: RTM. SERIALIZATION: LOCAL LOCK.
120	(78)	ADDRESS	4	STCBRMEF	POINTER TO HEAD OF TASK RELATED RESOURCE MANAGER QUEUE.
124	(7C)	ADDRESS	4	STCBRMEL	POINTER TO TAIL OF TASK RELATED RESOURCE MANAGER QUEUE.
128	(80)	ADDRESS	4	STCBESTK	VIRTUAL ADDRESS OF THE LINKAGE STACK ENTRY DESCRIPTOR (LSED) REPRESENTING AN EMPTY LINKAGE STACK. OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: N/A.
132	(84)	BITSTRING	1	STCBFLG2	FLAG BYTE OWNERSHIP: RTM,CSV. SERIALIZATION: LOCAL LOCK.
		1...		STCBRMET	"X'80'" IF ON, INDICATES TASK IS IN TERMINATION AND NO FURTHER RESOURCE MANAGER REQUESTS WILL BE HONORED.
		.1..		STCBINRT	"X'40'" The task is processing within RTLS. An IRB must not issue a CSVRTLS request.
		..1.		STCBPROP	"X'20'" ATTACH is propagating the PKM.
133	(85)	BITSTRING	1	STCBFLG3	FLAG BYTE OWNERSHIP: RTM. SERIALIZATION: TCBACTIV
		1...		STCBNCNL	"X'80'" TASK IS NOT SUBJECT TO CANCEL OR DETACH.
		.1..		STCBNOAB	"X'40'" NCNL EXTENSION
		..1.		STCBRTNC	"X'20'" ABTERMS OF THIS TASK ARE TO BE DEFERRED WHILE RTM2 PROCESSING IS ACTIVE
		...1		STCBEOM	"X'10'" TASK IS CALLING END OF MEMORY RESOURCE MANAGERS
134	(86)	SIGNED	2	STCBNSTP	COUNT OF REQUESTS TO IGNORE SRB TO TASK PERCOLATIONS OWNERSHIP: RTM. SERIALIZATION: TCBACTIV
136	(88)	ADDRESS	4	STCBTLSD	ADDRESS OF TASK RELATED LSSD FOR THE LINKAGE STACK FROM DREF STORAGE
140	(8C)	ADDRESS	4	STCBTLSP	ADDRESS OF TASK RELATED INITIAL LSED FOR THE LINKAGE STACK FROM DREF STORAGE
144	(90)	CHARACTER	16	STCBTTKN	TTOKEN FOR THIS TASK OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: LOCAL LOCK
160	(A0)	ADDRESS	4	STCBALOC	POINTER TO DYNAMIC STORAGE BUFFER OWNERSHIP: ALLOCATION SERIALIZATION: NONE
164	(A4)	BITSTRING	1	STCBR0A4	RESERVED.
165	(A5)	BITSTRING	1	STCBCRYP	Crypto flags. Ownership: ICSF Serialization: none

Table 395. Structure STCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		STCBUICS	"X'80'" This task is using ICSF Crypto services.
		.1..		STCBCRNQ	"X'40'" This task is using ICSF key data set serialization.
166	(A6)	BITSTRING	2	STCBTAFA	Transient feature affinity. SERIALIZATION: TCBACTIV OWNERSHIP: SUPERVISOR CONTROL
168	(A8)	ADDRESS	4	STCBTHTN	Task Hash Table next STCB address
172	(AC)	SIGNED	4	STCBMIOC	Count of currently outstanding MM I/Os per TCB Ownership: Media Manager Serialization: CS
176	(B0)	SIGNED	4	STCBMEMC	Count of XCF members under this task. OWNERSHIP: XCF. SERIALIZATION: Compare-and-Swap.
180	(B4)	BITSTRING	1	STCBXCFF	XCF FLAG. OWNERSHIP: XCF. SERIALIZATION: TCBACTIV.
		1...		STCBSUSM	"X'80'" Bit flag for use by XCF.
		.1..		STCBXCF_ISSERVER	"X'40'" Bit flag for use by XCF.
		..1.		STCBXCF_ISRECEIVER	"X'20'" Bit flag for use by XCF.
		...1		STCBXCF_ISSENDER	"X'10'" Bit flag for use by XCF.
		.... 1...		STCBXCF_ISFAILED	"X'08'" Bit flag for use by XCF.
181	(B5)	BITSTRING	1	STCBFLG4	Flag byte 4.
		1...		STCBENFL	"X'80'" If on, indicates task issued ENF listen request. Ownership: ENF. Serialization: None.
		.1..		STCBVSMM	"X'40'" If on, indicates task has a buffered IEA705I message Ownership: VSM. Serialization: None.
182	(B6)	BITSTRING	1	STCBFLG5	Flag byte 5.
		1...		STCBUNCK	"X'80'" If on, user requests no checkpoint. Ownership: Scheduler/Allocation. Serialization: None.
		.1..		STCBENCK	"X'40'" If on, checkpoint not honored due to environmental constraints. Ownership: Scheduler/Allocation. Serialization: None.
		..1.		STCBOPTC	"X'20'" If on, indicates task is running under control of the OpenMVS Ptrace debugger. Ownership: OpenMVS. Serialization: Compare-and-Swap
183	(B7)	BITSTRING	1	STCBFLG6	Flag byte 6. Serialization: None
		1...		STCBSATF	"X'80'" If on, indicates that RACF should check TCBNCTL in this TCB rather than finding the jobstep TCB when performing program protection.
		.1..		STCBFCAP	"X'40'" If on, this task passed the resource check Ownership: IOS Serialization: TCBACTIV

Table 395. Structure STCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		STCBFCPP	"X'20'" If on, this task performed the resource check Ownership: IOS Serialization: TCBACTIV
184	(B8)	ADDRESS	4	STCBDFTS	ADDRESS OF THE DFP-SMSX STRUCTURE FOR THE TASK. OWNERSHIP: DFP. SERIALIZATION: NONE
188	(BC)	ADDRESS	4	STCBJSAB	ADDRESS OF JOB SCHEDULER ADDRESS SPACE BLOCK. OWNERSHIP: CONTROLLING JOB SCHEDULER. SERIALIZATION: SEE MACRO IAZXJSAB.
192	(C0)	ADDRESS	4	STCBTTCB	TCPIP STCB Extension Ownership: TCPIP Serialization: Compare and Swap when this task is activated as a TCPIP client
196	(C4)	SIGNED	4	STCBRGSV(0)	Registration Services Indicators Ownership: Registration Services Serialization: RegServ Lock.
196	(C4)	BITSTRING	1	STCBRGS1	First Byte of Indicators
		1...		STCBRGRM	"X'80'" Task has registered as one or more resource managers.
		.1..		STCBRGEM	"X'40'" Task has registered as one or more exit managers.
197	(C5)	BITSTRING	3	STCBRGS2	Unused but reserved by CRG
200	(C8)	ADDRESS	4	STCBNTTP	Address of task level Name/Token header. Ownership: Supervisor Control. Serialization: Local lock.
204	(CC)	SIGNED	4	STCBCON#	NUMBER OF IXLCONNS IN EFFECT FOR THIS TASK. OWNERSHIP: SYSTEM LOCK MANAGER. SERIALIZATION: TCBACTIV.
208	(D0)	SIGNED	4	STCBRCTS(0)	REFERENCE PATTERN COUNTS. OWNERSHIP: RSM. SERIALIZATION: RSMAD LOCK FOR THE ADDRESS SPACE OF THE TASK.
208	(D0)	SIGNED	2	STCBARCT	NUMBER OF REFERENCE PATTERNS SPECIFIED FOR ADDRESS SPACE VIRTUAL STORAGE.
210	(D2)	SIGNED	2	STCBDRCT	NUMBER OF REFERENCE PATTERNS SPECIFIED FOR DATA SPACE VIRTUAL STORAGE.
212	(D4)	BITSTRING	4	STCBDFP	RESERVED FOR USE BY DFP. OWNERSHIP: DFP. SERIALIZATION: LOCAL LOCK.
		1...		STCBOAM	"X'80'" TASK IS A USER OF OAM RESOURCES.
216	(D8)	ADDRESS	4	STCBOTCB	Address of OpenMVS Task Control Block. Ownership: OpenMVS. Serialization: Local lock.

Table 395. Structure STCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
220	(DC)	ADDRESS	4	STCBCDXH	ADDRESS OF THE JOB PACK QUEUE CDE EXTENSIONS HASH TABLE. OWNERSHIP: CONTENTS SUPERVISOR (CSV) SERIALIZATION: LOCAL LOCK.
224	(E0)	ADDRESS	4	STCBSJST	ADDRESS OF THE LOCAL STORAGE OBTAINED BY THE SJF CONTROL MODULE. OWNERSHIP: SCHEDULER JCL FACILITY. SERIALIZATION: NONE.
228	(E4)	ADDRESS	4	STCBATAD	Address of the ATTACH SVC in the routine which created this task. If the low bit is on, SVC 2A was issued from a program above 2G and STCBATAD contains the low half of the address
232	(E8)	ADDRESS	4	STCBWEB	Address of task's WEB. SERIALIZATION: Disablement. OWNERSHIP: Task Management.
236	(EC)	SIGNED	4	STCBSEQN	RB Sequence Number Counter. Ownership: Supervisor Control. Serialization: Compare-and-Swap.
240	(F0)	SIGNED	2	STCBXCNT	Count of currently outstanding EXCPs per TCB. Ownership: EXCP. Serialization: Local lock.
242	(F2)	BITSTRING	1	STCBCONS	Console Flag. Ownership: Consoles. Serialization: None.
		1...		STCBWTO	"X'80'" Jobstep TCB issued a WTO
243	(F3)	BITSTRING	1	STCBFLG7	Flag byte 7.
244	(F4)	SIGNED	4	STCBPECB	ECB used internally by RTM processing during task termination. Ownership: RTM. Serialization: Local lock.
248	(F8)	ADDRESS	4	STCBIXGL	Pointer to SLC task related information. Ownership: System Logger. Serialization: Local lock.
252	(FC)	ADDRESS	4	STCBDETA	Address of Task being Detached by this Task. Ownership: Detach Serialization: Local Lock
256	(100)	ADDRESS	4	STCBPQUE	Address of the next Task that requires Parallel Detach protection Ownership: RTM Serialization: Local Lock
260	(104)	CHARACTER	4	STCBCNZL	Count of Console resources held by this Task Ownership: Consoles Serialization: Compare and Swap
264	(108)	ADDRESS	4	STCBSTSB	Address of the STSB (IWMSTSB). Ownership: WLM Serialization: WLMQ lock.
268	(10C)	CHARACTER	8	STCBEUTK	Execution unit token for this task Ownership: WLM

Table 395. Structure STCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
276	(114)	ADDRESS	4	STCBENCR	Address of the root task in the current attach chain. NOTE: This field is only valid if this task's WEBTYPE=WEBTETCB. Ownership: Supervisor Serialization: TCBACTIV (executing under task in module IEAVJOIN.)
		1...		STCBENJS	"X'80'" Join with subtasks. NOTE: This field is valid only for the root TCB when that TCB's WEBTYPE is WEBTETCB. Ownership: Supervisor Serialization: TCBACTIV (executing under task in module IEAVJOIN or IEAVLEAV.)
280	(118)	SIGNED	4	STCBENCC	Count of subtasks that have joined the root task's enclave via attach. NOTE: This field is only valid for the root tcb (STCBENCR). Also, it is only valid if the root tcb's WEBTYPE is WEBTETCB. Ownership: Supervisor Serialization: Enclave queue lock.
284	(11C)	ADDRESS	4	STCBDB2	Token used by DB/2. Serialization: TCBACTIV
288	(120)	ADDRESS	4	STCBVFRB	Vector facility RB
292	(124)	CHARACTER	4	STCBPMOM	Address of purge-only Mother Task Ownership: RTM Serialization: local lock
296	(128)	CHARACTER	4	STCBOFLG	Openedition flags
300	(12C)	ADDRESS	4	STCBBCBA	Address of SOMObjects data structure Ownership: SOMObjects for OS/390 Serialization: CS
304	(130)	BITSTRING	4	STCBFLCS	CS-serialized flags
304	(130)	BITSTRING	1	STCBFLC0	Byte 0 of CS-serialized flags
		1...		STCBTRST	"X'80'" RACF program control trust
		.1..		STCBNTRS	"X'40'" RACF program control non-trust
		..1.		STCBPSEN	"X'20'" Copy of RCVTPSEN at the time the task was attached. Valid only for jobstep task
		...1		STCBPSBA	"X'10'" RACF basic program security
305	(131)	BITSTRING	1	STCBFLC1	Byte 1 of CS-serialized flags
306	(132)	BITSTRING	1	STCBFLC2	Byte 2 of CS-serialized flags
307	(133)	BITSTRING	1	STCBFLC3	Byte 3 of CS-serialized flags
308	(134)	BITSTRING	4	STCBVREQ	State of outstanding VTAM requests for this task. Ownership: VTAM Serialization: Modified only by VTAM requests running under this task.
312	(138)	CHARACTER	100	STCBAFPR	FP save area: 1,3,5,7-15,FPCR
312	(138)	X'198'	0	STCBFPCR	"STCBAFPR+96" FPCR

Table 395. Structure STCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
412	(19C)	BITSTRING	1	STCBFPFL	FP Flags Serialization: TCBACTIV
		1...		STCBBFP	"X'80'" Extended FP saving rqd
		.1..		STCBRI	"X'40'" RI authorized
		..1.		STCBNS64	"X'20'" Used by ESPIE processing to tell the dispatcher not to save the upper halves of the GPRs
		...1		STCBVSS	"X'10'" Vector status saving. This bit reflects the STCBVISA value, in the same byte as STCBBFP so that the dispatcher can check both with one test
413	(19D)	BITSTRING	1	STCBIPKF	Initial PKF. This is used to deal with propagating PKM. If you change TCBPKF, you should change STCBIPKF to match if you want PKM propagation.
414	(19E)	BITSTRING	2	STCBIPKM	Initial PKM. This is used to deal with propagating PKM. If you change TCBPKF, you should change STCBIPKM to match if you want PKM propagation.
416	(1A0)	BITSTRING	64	STCBG64H	High halves of 64-bit GPRs
480	(1E0)	DBL WORD	8	STCB_TTIME	Aligned copy of TCBTTIME
488	(1E8)	DBL WORD	8	STCB_TTIME_ON_IFA	IFA TCB time
496	(1F0)	DBL WORD	8	STCB_TTIME_ON_CP	Standard CP TCB time
504	(1F8)	ADDRESS	4	STCBALC	Allocation field
508	(1FC)	ADDRESS	4	STCBUSER	User field. Owner: target module of the ATTACH. Must be set only by that module or a module in its component
512	(200)	ADDRESS	4	STCBOTCA	Address of OTCB Alternate Anchor For Cleanup Ownership: USS Serialization: run under this task.
516	(204)	ADDRESS	4	STCBLAA	Address of LE Library Anchor Area
520	(208)	CHARACTER	528	STCBSCA(0)	SPIE/ESPIE-related fields
520	(208)	ADDRESS	4	STCBPIE	Address of PIE control block
524	(20C)	CHARACTER	1	STCBPMSK	Program Mask at time of SPIE initiation. Restored at SPIE nullification.
525	(20D)	CHARACTER	1	STCBFLG8	ESPIE flags
		1...		STCBTYPE	"X'80'" If 1 then an ESPIE exit is in control. If 0 then a SPIE exit is in control. This bit is only meaningful if PIENOPI is set to 1
		.1..		STCBLESR	"X'40'" If 1 then the ESPIE SRB should call LE
526	(20E)	SIGNED	2	STCBSPOV	Count of SPIE/ESPIE overrides Ownership: RTM Serialization: Run under this task or have it set non-dispatchable
528	(210)	CHARACTER	16	STCBPRMS(0)	PC-FLIHs SRB parms

Table 395. Structure STCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
528	(210)	CHARACTER	4	STCBRBP	Address of RB which had the program interrupt
532	(214)	CHARACTER	4	STCBILCP(0)	ILC and interrupt code from the program interrupt
532	(214)	CHARACTER	1		Reserved - to match the first byte of LCCAPINT
533	(215)	CHARACTER	1	STCBILC	Instruction length code
534	(216)	CHARACTER	2	STCBINTC	Program Interrupt Code
536	(218)	CHARACTER	8	STCBPPSW	PSW at program interrupt
544	(220)	ADDRESS	4	STCBRPP	Recovery PIE PICA address
548	(224)	ADDRESS	4	STCBFRPQ	Free RPP queue header
552	(228)	ADDRESS	4	STCBLSCR	Linkage Stack control register at time of error for ESPIE
556	(22C)	CHARACTER	64	STCBSARS	Access Registers at time of error for ESPIE
620	(26C)	CHARACTER	4	STCBWORK	Work area used during ESPIE
624	(270)	ADDRESS	4	STCBPPIE	Address of public storage EPIE or zero.
628	(274)	ADDRESS	4	STCBCPIE	PIE being used by the current SPIE/ESPIE exit (if any)
632	(278)	CHARACTER	64	STCBS64H	64-bit GPR high halves for ESPIE
696	(2B8)	CHARACTER	128	STCBS64	Entire 64-bit GPRs for ESPIE
824	(338)	SIGNED	4	STCBTPIN	UCB PIN count for this TCB. Ownership: IOS
828	(33C)	CHARACTER	4	STCBR33C	Reserved
832	(340)	CHARACTER	8	STCBTIMI	Cumulative time at last SMF interval Ownership: SMF Serialization: Local lock
840	(348)	CHARACTER	36	STCBR348	Reserved
876	(36C)	SIGNED	4	STCBXRCT	XES request count Serialization: compare and swap Ownership: XES
880	(370)	CHARACTER	8	STCBSBEA	Breaking Event Address for ESPIE
888	(378)	CHARACTER	128	STCBSC64	Entire 64-bit Control Regs for ESPIE
1016	(3F8)	BITSTRING	1	STCBPTR2	TEA AR number for ESPIE
1017	(3F9)	BITSTRING	3	STCBR3FD	Reserved
1020	(3FC)	SIGNED	4	STCBPVAD(0)	TEA (32-bit) for ESPIE
1020	(3FC)	BITSTRING	3		
1023	(3FF)	BITSTRING	1	STCBDXC	Data exception code when PIC 7
1024	(400)	CHARACTER	8	STCBPV64	TEA (64-bit) for ESPIE
1032	(408)	CHARACTER	4	STCBOLCP(0)	Copy of original STCBILCP
1032	(408)	CHARACTER	1		Reserved - to match the first byte of LCCAPINT
1033	(409)	CHARACTER	1	STCBOILC	Original ILC
1034	(40A)	CHARACTER	2	STCBOPIC	Original PIC
		.... ..1.		STCBOPTX	"X'02'" PI within TX
1036	(40C)	CHARACTER	4	STCBR40C	Reserved for SCA expansion
1040	(410)	DBL WORD	8	STCB_TTIME_ON_SUP	SUP TCB time
1048	(418)	DBL WORD	8	STCB_TTIME_IFA_ON_CP	IFA ON CP TCB TIME
1056	(420)	DBL WORD	8	STCB_TTIME_SUP_ON_CP	SUP on CP TCB time. When zAAPzIIP=YES is in effect, zAAP-eligible work running on a CP is included.

Table 395. Structure STCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1064	(428)	DBL WORD	8	STCBGTCB	Address of GTCB (mapped by ISGYGTCB) Ownership:GRS Serialization: Compare and swap
1072	(430)	DBL WORD	8	STCBHP1	Pointer to Heap Pool 1 structure supporting macro IARST64 for common storage. Ownership: RSM. Serialization: CSG
1080	(438)	DBL WORD	8	STCBCPHA	Pointer to authorized cell pool block supporting macros IARST64 and IARCP64 OWNERSHIP: RSM. SERIALIZATION: Local Lock
1088	(440)	BITSTRING	8	STCB_HIS_AREA(0)	HIS data
1088	(440)	ADDRESS	4	STCB_HIS_TCB@	Address of this TCB. Note TCBs are really 24 bit pointers, so the first byte is used as flags
		1...		STCB_HIS_IS_WAIT	"X'80'" This bit is on when a wait has been dispatched
1092	(444)	SIGNED	2	STCB_HIS_HOMEASID	Home ASID where the TCB is scheduled to run
		1...		STCB_HIS_IS_SRB	"X'80'" This bit is on when the HIS data is for an SRB. Note this bit will never be on, but it is documented here to indicate what it means
1094	(446)	SIGNED	2	STCB_HIS_TOKEN	A token used to identify when the same TCB is being redispatched or this TCB is being reused to dispatch a different unit of work
1096	(448)	SIGNED	4	STCBDSPC	TCB thread dispatch count
1100	(44C)	SIGNED	4	STCB_MININTCOUNT	TCB minor interrupt count
1104	(450)	SIGNED	4	STCB_MAJINTCOUNT	TCB major interrupt count
1108	(454)	ADDRESS	4	STCB_JES_SYMBOL_TABLE_ADDR	JES symbol table address. Owner: JES Serialization: Local Lock
1112	(458)	CHARACTER	16	STCBPPSW16	SPIE/ESPIE 16-byte PSW
1128	(468)	CHARACTER	128	STCBSTXG64	When TX, this contains the 64-bit GRs that resulted from the program-interrupt-caused transaction abort
1256	(4E8)	CHARACTER	16	STCBSTXPSW16	When TX, this contains the 16-byte PSW that resulted from the program-interrupt-caused transaction abort
1272	(4F8)	CHARACTER	64	STCBRICCB	
1336	(538)	DBL WORD	8	STCBEND(0)	END OF STCB.

Table 396. Cross Reference for STCB

Name	Offset	Hex Tag
STCB	0	
STCB_HIS_AREA	440	
STCB_HIS_HOMEASID	444	
STCB_HIS_IS_SRB	444	80
STCB_HIS_IS_WAIT	440	80

Table 396. Cross Reference for STCB (continued)

Name	Offset	Hex Tag
STCB_HIS_TCB@	440	
STCB_HIS_TOKEN	446	
STCB_JES_SYMBOL_TABLE_ADDR	454	
STCB_MAJINTCOUNT	450	
STCB_MININTCOUNT	44C	
STCB_TTIME	1E0	
STCB_TTIME_IFA_ON_CP	418	
STCB_TTIME_ON_CP	1F0	
STCB_TTIME_ON_IFA	1E8	
STCB_TTIME_ON_SUP	410	
STCB_TTIME_SUP_ON_CP	420	
STCBAFNS	10	
STCBAFPR	138	
STCBALC	1F8	
STCBALD	24	
STCBALOC	A0	
STCBALOV	20	
STCBARCT	D0	
STCBARS	30	
STCBAR0	30	
STCBAR1	34	
STCBAR10	58	
STCBAR11	5C	
STCBAR12	60	
STCBAR13	64	
STCBAR14	68	
STCBAR15	6C	
STCBAR2	38	
STCBAR3	3C	
STCBAR4	40	
STCBAR5	44	
STCBAR6	48	
STCBAR7	4C	
STCBAR8	50	
STCBAR9	54	
STCBATAD	E4	
STCBBCBA	12C	
STCBBFP	19C	80
STCBCDXH	DC	
STCBCLUP	19	8
STCBCMP	1C	
STCBCMPC	1D	
STCBCMPF	1C	
STCBCNZL	104	
STCBCON#	CC	
STCBCONS	F2	
STCBCPHA	438	
STCBCPIE	274	
STCBCRNQ	A5	40

Table 396. Cross Reference for STCB (continued)

Name	Offset	Hex Tag
STCBCRYP	A5	
STCBCTSC	12	
STCBDB2	11C	
STCBDETA	FC	
STCBDFP	D4	
STCBDFTS	B8	
STCBDIVF	8	
STCBDIVL	C	
STCBDRCT	D2	
STCBDSPC	448	
STCBDUCR	2C	
STCBDUCV	28	
STCBDXC	3FF	
STCBEGIN	0	
STCBENCC	118	
STCBENCK	B6	40
STCBENCR	114	
STCBEND	538	
STCBENFL	B5	80
STCBENJS	114	80
STCBEOM	85	10
STCBESSA	14	
STCBESTK	80	
STCBEUTK	10C	
STCBFCAP	B7	40
STCBFCPP	B7	20
STCBFLCS	130	
STCBFLC0	130	
STCBFLC1	131	
STCBFLC2	132	
STCBFLC3	133	
STCBFLG1	19	
STCBFLG2	84	
STCBFLG3	85	
STCBFLG4	B5	
STCBFLG5	B6	
STCBFLG6	B7	
STCBFLG7	F3	
STCBFLG8	20D	
STCBFPCR	138	198
STCBFPFL	19C	
STCBFRPQ	224	
STCBGTCB	428	
STCBG64H	1A0	
STCBHP1	430	
STCBILC	215	
STCBILCP	214	
STCBINRT	84	40
STCBINTC	216	

Table 396. Cross Reference for STCB (continued)

Name	Offset	Hex Tag
STCBIPKF	19D	
STCBIPKM	19E	
STCBIXGL	F8	
STCBJSAB	BC	
STCBLAA	204	
STCBLESR	20D	40
STCBLSCR	228	
STCBLSDP	74	
STCBLSSD	70	
STCBMEMC	B0	
STCBMIOC	AC	
STCBNCNL	85	80
STCBNOAB	85	40
STCBNSTP	86	
STCBNS64	19C	20
STCBNTRM	19	4
STCBNTRS	130	40
STCBNTTP	C8	
STCBOAM	D4	80
STCBOFLG	128	
STCBOILC	409	
STCBOLCP	408	
STCBOPIC	40A	
STCBOPTC	B6	20
STCBOPTX	40A	2
STCBOTCA	200	
STCBOTCB	D8	
STCBPECB	F4	
STCBPIE	208	
STCBPIQ	19	80
STCBPMOM	124	
STCBPMSK	20C	
STCBPPIE	270	
STCBPPSW	218	
STCBPPSW16	458	
STCBPQUE	100	
STCBPRMS	210	
STCBPROP	84	20
STCBPSBA	130	10
STCBPSEN	130	20
STCBPTR2	3F8	
STCBPVAD	3FC	
STCBPV64	400	
STCBRACP	4	
STCBRBP	210	
STCBRCTS	D0	
STCBRGEM	C4	40
STCBRGRM	C4	80
STCBRGSV	C4	

Table 396. Cross Reference for STCB (continued)

Name	Offset	Hex Tag
STCBRGS1	C4	
STCBRGS2	C5	
STCBRI	19C	40
STCBRICCB	4F8	
STCBRME	78	
STCBRMEF	78	
STCBRMEL	7C	
STCBRMET	84	80
STCBRPP	220	
STCBRTNC	85	20
STCBR0A4	A4	
STCBR01A	1A	
STCBR018	18	
STCBR3FD	3F9	
STCBR33C	33C	
STCBR348	348	
STCBR40C	40C	
STCBSARS	22C	
STCBSATF	B7	80
STCBSBEA	370	
STCBSCA	208	
STCBSC64	378	
STCBSEQN	EC	
STCBSJST	E0	
STCBSPOV	20E	
STCBSST	19	10
STCBSTCB	0	
STCBSTSB	108	
STCBSTXG64	468	
STCBSTXPSW16	4E8	
STCBSUSM	B4	80
STCBS64	2B8	
STCBS64H	278	
STCBTAFA	A6	
STCBTHTN	A8	
STCBTIMI	340	
STCBTLSD	88	
STCBTLSP	8C	
STCBTPIN	338	
STCBTRST	130	80
STCBTTCB	C0	
STCBTTKN	90	
STCBTYPE	20D	80
STCBUICS	A5	80
STCBUNCK	B6	80
STCBUSER	1FC	
STCBVFRB	120	
STCBVREQ	134	
STCBVSMM	B5	40

Table 396. Cross Reference for STCB (continued)

Name	Offset	Hex Tag
STCBVSS	19C	10
STCBWEB	E8	
STCBWORK	26C	
STCBWTO	F2	80
STCBXCF_ISFAILED	B4	8
STCBXCF_ISRECEIVER	B4	20
STCBXCF_ISSENDER	B4	10
STCBXCF_ISSERVER	B4	40
STCBXCFF	B4	
STCBXCNT	F0	
STCBXRCT	36C	

Chapter 110. STKE Information

STKE Heading Information

Common Name: PCLINK Stack Element (STKE)
Macro ID: IHASTKE
DSECT Name: STKE
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: STKE
Offset: 0
Length: 4
Storage Attributes: Subpool: For local pools: 255
For global pool: 239
Key: For local pools: 0
For global pool: 0
Size: 56 bytes
Created by: IEAVXSTK
Pointed to by: PSASTKE, XSBSTKE, STKHAEP, STKEPREV
When the STKE is on the free queue, the origin is STKHAEP and the link field is STKEPREV.
When the STKE is in use, the origin is PSASTKE or XSBSTKE and the link field is STKEPREV.
Serialization: None
Function: Maps the local and global PCLINK stack elements, which form the control blocks for the PCLINK STACK/UNSTACK/EXTRACT services.

STKE mapping

Table 397. Structure STKE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	56	STKE	BEGINNING OF STACK ELEMENT
0	(0)	CHARACTER	4	STKESTKE	STKE acronym, STKE in all extents except the first which has STKP instead
4	(4)	ADDRESS	4	STKEHEAD	ADDRESS OF POOL HEADER
8	(8)	CHARACTER	8	STKEINFO	STACK INFORMATION FOR PREVIOUS STKE (PSASTKE OR XSBSTKE HAS THE CORRESPONDING INFORMATION FOR THE TOP STKE FOR AN RB OR SRB.)
8	(8)	UNSIGNED	2	STKEPTKN	TOKEN OF PRIOR ELEMENT
10	(A)	BITSTRING	2	STKEPASD	ASID OF PRIOR ELEMENT
12	(C)	ADDRESS	4	STKEPREV	ADDRESS OF PRIOR ELEMENT (IF IN USE) OR NEXT FREE ELEMENT (IF NOT IN USE)
16	(10)	BITSTRING	1	STKEPGMM	PROGRAM MASK FROM PSW OF CALLER
17	(11)	BITSTRING	1	STKERSV1	RESERVED
18	(12)	BITSTRING	2	STKEASID	ASID OF POOL
20	(14)	ADDRESS	4	STKESA	PREVIOUS SAVE AREA
24	(18)	ADDRESS	4	STKERET	RETURN ADDRESS
28	(1C)	UNSIGNED	4	STKEPR15	PARAMETER REGISTER 15

Table 397. Structure STKE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
32	(20)	UNSIGNED	4	STKEPRM0	PARAMETER REGISTER 0
36	(24)	UNSIGNED	4	STKEPRM1	PARAMETER REGISTER 1
40	(28)	BITSTRING	4	STKEKEY	
40	(28)	BITSTRING	3	STKEREG2	BITS 8-31 OF REG 2 OF CALLER
43	(2B)	BITSTRING	1	STKEKEY2	PSW KEY OF CALLER IN BITS 0-3
44	(2C)	BITSTRING	2	STKEKMSK	PSW KEY MASK (PKM) OF CALLER
46	(2E)	BITSTRING	2	STKECASD	PASID OF CALLER
48	(30)	ADDRESS	4	STKELPTR	LATENT PARAMETER POINTER
52	(34)	ADDRESS	4	STKEEPA	ENTRY POINT ADDRESS. IF BIT0=1, 31-BIT ADDRESSING MODE. IF BIT0=0, 24-BIT ADDRESSING MODE AND BITS 1-7 ARE UNPREDICTABLE
56	(38)	CHARACTER	0	STKEEND	END OF STKE

Table 398. Cross Reference for STKE

Name	Offset	Hex Tag
STKE	0	
STKEASID	12	
STKECASD	2E	
STKEEND	38	
STKEEPA	34	
STKEHEAD	4	
STKEINFO	8	
STKEKEY	28	
STKEKEY2	2B	
STKEKMSK	2C	
STKELPTR	30	
STKEPASD	A	
STKEPGMM	10	
STKEPREV	C	
STKEPRM0	20	
STKEPRM1	24	
STKEPR15	1C	
STKEPTKN	8	
STKEREG2	28	
STKERET	18	
STKERSV1	11	
STKESA	14	
STKESTKE	0	

Chapter 111. SVCTABLE Information

SVCTABLE Heading Information

Common Name: SVC Table Entry
Macro ID: IHASVC
DSECT Name: SVC Table Entry: SVCENTRY SVC Update Recording Table Entry: SVCURT
Owning Component: Supervisor Control (SC1C5)
Eye-Catcher ID: None
Storage Attributes:
```
Subpool:   Nucleus
Key:       0
Residency: Above 16M
```
Size:
```
SVC table: 8 bytes per entry, 256 entries
SVC update recording table:  24 bytes per entry, 256 entries
```
Created by:
```
SVC table: IEAVSVCT
SVC update recording table:  IEAVSVCR
```
Pointed to by:
```
SVC table: SCVTSVCT field of the SCVT data area
SVC update recording table:  SCVTSVCR field of the SCVT data
area
```
Serialization: Controlled by the SVC table update service (IEAVESTU)
Function:
```
SVC table:  Each entry contains information for a
particular SVC function--the SVC entry point
address, type, APF authorized, and locks needed
before the module can be executed.  SVC update
recording table:  Each entry contains a record of an
update of the corresponding SVC table entry.
Note:  Entries in the SVC table are updated at IPL
time from the SYS1.PARMLIB member IEASVCnn, or
dynamically by the SVCUPDTE macro.
```

SVCTABLE mapping

Table 399. Structure SVCENTRY

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SVCENTRY	
0	(0)	ADDRESS	4	SVCEP	SVC ENTRY POINT ADDRESS
		1...		SVCAMODE	"X'80'" AMODE INDICATOR
4	(4)	SIGNED	2	SVCATTR1(0)	ATTRIBUTES
4	(4)	BITSTRING	1	SVCTP	TYPE FIELD
		....		SVCTP1	"X'00'" TYPE 1 SVC
		1...		SVCTP2	"X'80'" TYPE 2 SVC
		11..		SVCTP34	"X'C0'" TYPE 3 OR 4 SVC
		..1.		SVCTP6	"X'20'" TYPE 6 SVC
		.... 1...		SVCAPF	"X'08'" APF AUTHORIZED 1-AUTHORIZED
		.... .1..		SVCESR	"X'04'" SVC IS A PART OF THE ESR
		.... ..1.		SVCNP	"X'02'" NON-PREEMPTIVE SVC
		1		SVCASF	"X'01'" SVC CAN BE ASSISTED
5	(5)	BITSTRING	1	SVCATTR3	ATTRIBUTES
		1...		SVCAR	"X'80'" SVC MAY BE ISSUED IN AR ASC MODE

Table 399. Structure SVCENTRY (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SVCSSESR	"X'01'" Only applies to a subsystem screening table. Must be off for SVC entries.
6	(6)	SIGNED	2	SVCLOCKS	LOCK ATTRIBUTES
		1...		SVCLL	"X'80'" LOCAL LOCK NEEDED
		.1..		SVCCMS	"X'40'" CMS LOCK NEEDED
		..1.		SVCOPT	"X'20'" OPT LOCK NEEDED
		...1		SVCALLOC	"X'10'" SALLOC LOCK NEEDED
		.... 1...		SVCDISP	"X'08'" DISP LOCK NEEDED
MAPPING FOR ESR TABLE ENTRY					
6	(6)	X'0'	0	SVCESRAD	"SVCEP,4" ADDRESS OF ESR TABLE IF SVCESR IS ON
6	(6)	X'4'	0	SVCESRMX	"SVCATTR1,4" MAXIMUM ESR NUMBER SUPPORTED BY THIS ESR

Table 400. Structure SVCURT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SVCURT	
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	24	SVCURTE(0)	ENTRY FOR 1 SVC
0	(0)	SIGNED	4	SVCURESR(0)	UR table for ESR
0	(0)	CHARACTER	8	SVCUROLD	OLD SVC TABLE ENTRY
8	(8)	SIGNED	4	SVCURRET	RETURN ADDRESS IN CALLER OF DYNAMIC SVC UPDATE SERVICE
12	(C)	SIGNED	4	SVCURNEW	NEW SVC ENTRY POINT ADDRESS IF THIS MATCHES SVCEP IN SVC TABLE ENTRY, THEN DATA REPRESENTS CHANGE DATA FOR THAT ENTRY
16	(10)	SIGNED	4	SVCURDAT	CVTDATE FOR UPDATE
20	(14)	SIGNED	2	SVCURCNT	COUNT OF UPDATES FOR SVC
22	(16)	CHARACTER	2	SVCURSX	SUFFIX OF SYS1.PARMLIB MEM. CONTAINING SVCPARM STATEMENT IF REQUEST TO UPDATE SVC ENTRY WAS VIA IEASVCxx SYS1.PARMLIB MEMBERS

Table 401. Cross Reference for SVCTABLE

Name	Offset	Hex Tag
SVCALLOC	6	10
SVCAMODE	0	80
SVCAPF	4	8
SVCAR	5	80
SVCASF	4	1
SVCATTR1	4	
SVCATTR3	5	
SVCCMS	6	40
SVCDISP	6	8
SVCENTRY	0	

Table 401. Cross Reference for SVCTABLE (continued)

Name	Offset	Hex Tag
SVCEP	0	
SVCESR	4	4
SVCESRAD	6	0
SVCESRMX	6	4
SVCLL	6	80
SVCLOCKS	6	
SVCNP	4	2
SVCOPT	6	20
SVCSSESR	5	1
SVCTP	4	
SVCTP1	4	0
SVCTP2	4	80
SVCTP34	4	C0
SVCTP6	4	20
SVCURCNT	14	
SVCURDAT	10	
SVCURESR	0	
SVCURNEW	C	
SVCUROLD	0	
SVCURRET	8	
SVCURSX	16	
SVCURT	0	
SVCURTE	0	

Chapter 112. SVT Information

SVT Programming Interface Information

ONLY the following fields are part of the programming interface information:

- SVT_Accum_Entitle_Consumed
- SVT_Accum_Entitle_CR_Earned
- SVT_Accum_Entitle_Earned
- SVT_Accum_Entitle_Earned_Redeposited
- SVT_CORE_WAIT_CPUMASK_ADDR
- SVT_CPEngineSpeed
- SVT_CpuProjection
- SVT_CriticalPaging
- SVT_Disp_IFACrossoverHP
- SVT_Disp_SUPHonorPriority
- SVT_Entitlement_Percent
- SVT_Hyperswap_In_Progress
- SVT_IFA_Normalization
- SVT_Normalization_Divide
- SVT_Normalization_Shift
- SVT_SpecialtyEngineSpeed
- SVT_SUP_Normalization
- SVT_Thread_Wait_CpuMask_Addr
- SVT_Waiting_Processor_Mask_Addr
- SVT_zIIPzAAP_Flags
- SvtCoreIdCpuIdShift
- SVTCR_Word
- SVTIFAFlags
- SVTSSTSV

SVT Heading Information

Common Name:	Supervisor Vector Table
Macro ID:	IHASVT
DSECT Name:	SVT
Owning Component:	Supervisor Control (SC1C5)
Eye-Catcher ID:	None
Storage Attributes:	Residency: Nucleus
Size:	Offset of SVTEND minus offset of SVT
Created by:	IEAVESVT
Pointed to by:	CVTSVT field of the CVT data area PSASVT field of the PSA data area

SVT Heading Information

Serialization: SVTDSREQ - Dispatcher lock
SVTGSMQ, GSPL, LSMQ - Compare & Swap
SVTWAS - Test and Set (TS)
SVTDACTV - No longer used
SVT_DISPATCHER_ACTIVE - No longer used
SVTPWAIT - No longer used
SVT_PROCESSOR_WAITING - No longer used
SVT_WAITING_PROCESSOR_MASK - Compare and Swap

Function: Contains service routine addresses and control blocks used by Supervisor Control.

SVT mapping

Table 402. Structure SVT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SVT	
0	(0)	ADDRESS	4	SVTISECT	"V(IEAVEINT)" ADDRESS OF INTERSECT ROUTINE
4	(4)	ADDRESS	4	SVTGSCH1	"V(IEAVESC3)" ADDRESS OF GLOBAL SCHEDULE ROUTINE FOR ENABLED USERS
8	(8)	ADDRESS	4	SVTGSCH2	"V(IEAVESC4)" ADDRESS OF GLOBAL SCHEDULE ROUTINE FOR DISABLED USERS
12	(C)	ADDRESS	4	SVTAWUQ	Address of the AWUQ SERIALIZATION: None OWNERSHIP: Supervisor Control
		1...		SVTAFFON	"X'80'" Affinity dispatching is active
16	(10)	ADDRESS	4	SVTWEEF	Address of the first WEB Extent Element Pool. SERIALIZATION: Compare and Swap or Global Recovery protocols. OWNERSHIP: Supervisor Control
20	(14)	ADDRESS	4	SVTRSCS	"V(IEAVRSCS)" RESUME CONDITIONAL ENTRY PT
24	(18)	SIGNED	4	SVTJSTEQ	JOB STEP TIME EXCEEDED QUE
28	(1C)	SIGNED	4	SVTDSREQ(0)	DISPATCHER SERIALIZATION REQUIRED
28	(1C)	BITSTRING	1	SVTSRQ1	FIRST BYTE OF SVTDSREQ
		1...		SVTDSG4	"X'80'" SIGNAL WAITING PROCESSORS
		.1..		SVTDFLT	"X'40'" DEFAULT GLOBAL INTERSECT
29	(1D)	BITSTRING	1	SVTSRQ2	SECOND BYTE OF SVTDSREQ
		1...		SVTDSG3	"X'80'" SIGNAL WAITING PROCESSORS
		.... ..1.		SVTSRM1	"X'02'" SRM IS INTERSECTING
		1		SVTQVER	"X'01'" Q VERIFICATION INTERSECTING
30	(1E)	BITSTRING	1	SVTSRQ3	THIRD BYTE OF SVTDSREQ
		1...		SVTDSG2	"X'80'" SIGNAL WAITING PROCESSORS
		.1..		SVTRCTI	"X'40'" RCT INTERSECTING
		..1.		SVTTCBV	"X'20'" TCB VERIFICATION INTERSECTING

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		SVTACHA	"X'10'" ASCB CHAP INTERSECTING
		.... .1..		SVTMTER	"X'04'" MEMTERM INTERSECTING
		.... ..1.		SVTMINI	"X'02'" MEMORY INIT INTERSECTING
		1		SVTCBVE	"X'01'" CONTROL BLOCK VERIFICATION INTER
31	(1F)	BITSTRING	1	SVTSRQ4	FOURTH BYTE OF SVTDSREQ
		1...		SVTDSG1	"X'80'" SIGNAL WAITING WAITING PROCESSORS
		.1..		SVTDETA	"X'40'" DETACH INTERSECTING
		..1.		SVTATTA	"X'20'" ATTACH INTERSECTING
		...1		SVTRTM2	"X'10'" RTM2 INTERSECTING
		.... 1...		SVTRTM1	"X'08'" RTM1 INTERSECTING
		.... .1..		SVTCHAP	"X'04'" TCB CHAP INTERSECTING
		.... ..1.		SVTSTAT	"X'02'" STATUS INTERSECTING
		1		SVTPURD	"X'01'" PURGE DQ INTERSECTING
32	(20)	DBL WORD	8	SVTGSRB(0)	GLOBAL SRB QUEUES
32	(20)	SIGNED	4	SVTGSMQ	GLOBAL SERVICE MANAGEMENT QUEUE
36	(24)	BITSTRING	4	SVTGSPL	No longer used. Must remain x'FFFFFFFF'. SERIALIZATION: None OWNERSHIP: Supervisor Control
40	(28)	SIGNED	4	SVTLSMQ	LOCAL SERVICE MANAGEMENT QUEUE
44	(2C)	BITSTRING	64	SVTR02C	
108	(6C)	SIGNED	4	(0)	
108	(6C)	BITSTRING	4		PREVIOUSLY SVTDACTV - MUST ALWAYS REMAIN NONZERO
112	(70)	SIGNED	2	SVTAPCP	Initial value for the number of WEBs that must be on a WUQ as a gating factor for AWM SIGP SERIALIZATION: NONE OWNERSHIP: SRM
114	(72)	SIGNED	2	SVTMAXQL	The maximum number of WEBs 1 CP can dispatch in a timely fashion. Serialization: NONE Ownership: Supervisor/SRM
116	(74)	SIGNED	2	SVTMINHL	When a CP chooses another CPU for help, the minimum number of dispatches which will be done for help. Serialization: NONE Ownership: Supervisor/SRM
118	(76)	BITSTRING	1	SVT_SHORTMINHDYESLOCKPROMOTE	Number of short minors lock promote can occur for in HD=YES. This field is dynamically updated in IEAVMPWQ
118	(76)	X'FF'	0	SVT_SHORTMINHDYESLOCKPROMAX	"255" Maximum number of short minors for lock promote
118	(76)	X'3'	0	SVT_MAJORSHDYESLOCKPROMOTE	"3" Number of majors for lock promote
119	(77)	BITSTRING	1	SVTEGRT	Global Recovery Test bits SERIALIZATION: NONE
		1...		SVTINVOKEGRONSPIN	"X'80'" When on, next invoker of IEAVESPN will invoke global recovery

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
120	(78)	ADDRESS	4	SVTCRSCR	"V(IEAVCRSC)" Address of the Supervisor Checkpoint/Restart SRB Check Routine.
124	(7C)	BITSTRING	4		PREVIOUSLY SVTPWAIT - MUST ALWAYS REMAIN NONZERO
128	(80)	SIGNED	4	SVTWPSCT	- Count of SIGPs to waiting processors due to timeout between waits SERIALIZATION: NONE OWNERSHIP: SRM
132	(84)	BITSTRING	4	SVTR084	Reserved. Formerly SVTMSWCT
136	(88)	ADDRESS	4	SVTACTR	"V(IEAVRT05)" ADDRESS OF ACCUMULATED CPU TIME SERVICE ROUTINE USED BY TIMEUSED MACRO
140	(8C)	ADDRESS	4	SVTISECR	"V(IEAVEINR)" INTERSECT RESET ROUTINE
144	(90)	SIGNED	4	SVTXASCB	ADDRESS OF PC/AUTH ASCB.
148	(94)	SIGNED	4	SVTXMD	ADDRESS OF CROSS MEMORY DIRECTORY (XMD) (IN PC/AUTH ADDRESS SPACE).
152	(98)	ADDRESS	4	SVTGSPH	"V(IEASTKH)" ADDRESS OF GLOBAL STACK POOL HEADER FOR PCLINK SERVICE.
156	(9C)	SIGNED	2	SVTMCADS	MAXIMUM NUMBER OF ALE SLOTS IN A PASN ACCESS LIST RESERVED FOR CADS. INITIALIZED TO 50. MAY BE CHANGED BY IEAVNP09.
158	(9E)	SIGNED	2	SVTMPALE	NUMBER OF NON-CADS PASN ACCESS LIST ENTRIES. INITIALIZED BY IEAVNP09.
160	(A0)	ADDRESS	4	SVTBBR	"V(IEAVEBBR)" ADDRESS OF THE BIND BREAK ROUTINE.
164	(A4)	ADDRESS	4	SVTLASCB	ADDRESS OF LOCASCB SERVICE ROUTINE.
168	(A8)	BITSTRING	4	SVTCMCKM	CMSET CONSTANT FOR ICMA CHECK.
172	(AC)	ADDRESS	4	SVTCMST1	ADDRESS OF CMSET SET No longer used ROUTINE.
176	(B0)	ADDRESS	4	SVTCMRT1	ADDRESS OF CMSET RESET, No longer used CHKAUTH=YES ROUTINE.
180	(B4)	ADDRESS	4	SVTCMRT2	ADDRESS OF CMSET RESET, No longer used CHKAUTH=NO ROUTINE.
184	(B8)	ADDRESS	4	SVTCMSTR	ADDRESS OF CMSET SSARTO No longer used ROUTINE.
188	(BC)	ADDRESS	4	SVTCMSBR	ADDRESS OF CMSET SSARBACK No longer used ROUTINE.
192	(C0)	ADDRESS	4	SVTCDSPE	ADDRESS OF CALLDISP ROUTINE FOR ENABLED CALLERS.
196	(C4)	ADDRESS	4	SVTCDSPD	ADDRESS OF CALLDISP ROUTINE FOR DISABLED CALLERS.
200	(C8)	ADDRESS	4	SVTSRBSV	"V(IEAVESTS)" ADDRESS OF SRBSTAT SAVE ROUTINE.
204	(CC)	ADDRESS	4	SVTSRBRS	"V(IEAVESTR)" ADDRESS OF SRBSTAT RESTORE ROUTINE.
208	(D0)	ADDRESS	4	SVTAFFST	"V(IEAVESAS)" ADDRESS OF SSAFF SET ROUTINE.

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
212	(D4)	ADDRESS	4	SVTAFFOB	"V(IEAVESAF)" ADDRESS OF SSAFF OBTAIN ROUTINE.
216	(D8)	ADDRESS	4	SVTSRBG	"V(IEAVSPM1)" ADDRESS OF GETSRB ROUTINE.
220	(DC)	ADDRESS	4	SVTSSRBG	"V(IEAVSPM2)" ADDRESS OF GETSSRB ROUTINE.
224	(E0)	ADDRESS	4	SVTSRBF	"V(IEAVSPM3)" ADDRESS OF FREESRB ROUTINE.
228	(E4)	ADDRESS	4	SVTSSRBF	"V(IEAVSPM4)" ADDRESS OF FREESSRB ROUTINE
232	(E8)	DBL WORD	8	SVTSRBP(0)	SUPERVISOR SRB POOL HEADER. SERIALIZATION - CDS.
232	(E8)	SIGNED	4	SVTSRBS	SRB POOL ELEMENT SYNC COUNT
236	(EC)	SIGNED	4	SVTSRBA	ADDRESS OF FIRST AVAILABLE SRB.
240	(F0)	SIGNED	4	SVTSRBE(0)	SRB POOL EXTENT COUNTS. SERIALIZATION - SALLOC.
240	(F0)	SIGNED	2	SVTSRBM	MAX SRB POOL EXTENTS.
242	(F2)	SIGNED	2	SVTSRBC	CURRENT SRB POOL EXTENTS.
244	(F4)	BITSTRING	12	SVTR0F4	Reserved. Formerly SVTWTSS_IFA, SVTSSRBP/S/A
256	(100)	CHARACTER	4	SVTSVT	SVT ACRONYM.
260	(104)	ADDRESS	4	SVTRSUA	"V(IEAVRSUA)" ADDRESS OF RESUME ROUTINE FOR ASYNCHRONOUS UNCONDITIONAL OPTION.
264	(108)	ADDRESS	4	SVTRSCA	"V(IEAVRSCA)" ADDRESS OF RESUME ROUTINE FOR ASYNCHRONOUS CONDITIONAL OPTION.
268	(10C)	ADDRESS	4	SVTRSUS	"V(IEAVRSUS)" ADDRESS OF RESUME ROUTINE FOR SYNCHRONOUS UNCONDITIONAL OPTION WITH ASCB SPECIFIED.
272	(110)	BITSTRING	4	SVTDSBCT(0)	- MAXIMUM NUMBER OF WEBs the DISPATCHER CAN PROCESS BEFORE INVOKING RECOVERY.
1FFF0026 is the initial value of SVTDSBCT, but will be replaced by the SRM RIM, during NIP. The low half of the value is an approximation of the number of instructions required during the dispatcher work search processing to look at one WEB from the WUQ. The high half of this value is used only until this value is replaced, and serves just to make this a large number. Due to the use of bits 0-2, the maximum value that can be used for DSBCT is 2 29-1 which can accommodate about a 14 BIP UP. If we approach that limitation, we would need to change something.					
272	(110)	BITSTRING	1		
		1...		SVTCHKWP	"X'80'" CHECK WAITING PROCESSOR IF ON
		.1..		SVTWPCP	"X'40'" Waiting processor is CP
		..1.		SVTWPIFA	"X'20'" Waiting processor is IFA
272	(110)	BITSTRING	0	SVTDSBCM	"X'1FFFFFFF'" Mask to AND with SVTDSBCT to isolate the count
273	(111)	BITSTRING	2		
275	(113)	BITSTRING	1		

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		SVTAWM	"X'01'" ALTERNATE WAIT MANAGEMENT ENABLED FLAG (SVTDSBCT LOW BIT) SET BY SRM SERIALIZATION: NONE
276	(114)	BITSTRING	4	SVTMCBCT	- Maximum number of times to loop on a locked WEB before invoking Global Recovery. The last byte of this field should be equal to the number of instructions executed by the dispatcher in its worksearch loop used to lock a WEB. SERIALIZATION: None OWNERSHIP: SRM
280	(118)	SIGNED	4	SVTFW1(0)	FULLWORD SERIALIZED BY CS.
280	(118)	BITSTRING	1	SVTCS1	FIRST BYTE OF CS WORD.
		1...		SVTXMSOP	"X'80'" PC/AUTH SERVICE ROUTINES OPERABLE.
		.1..		SVTXMSUP	"X'40'" PC/AUTH ADDRESS SPACE INITIALIZED.
		..1.		SVTXMCMF	"X'20'" CROSS MEMORY CONNECTIONS MANAGER HAS FAILED. REUSABILITY FUNCTIONS ARE NOT OPERATIONAL. SERIALIZED BY PC/AUTH LOCAL LOCK. SET BY IEAVXMCM RECOVERY.
		...1		SVTAWUQE	"X'10'" Supervisor AWUQ error, affinity nodes must be rebuilt
		.... 1...		SVTCPCRN	"X'08'"
		.... .1..		SVT_CRITICALPAGING	"X'04'" On when hardening critical address spaces against pagefaults. Note: If dynamically turned on, currently 'paged-out' storage will NOT be paged-in for critical address spaces
		.... ..1.		SVT_HYPERSWAP_IN_PROGRESS	"X'02'" On when a Hyperswap process is in progress
		1		SVTCOREMODEERROR	"X'01'" Error detected for MT mode of 1 or more cores
281	(119)	BITSTRING	1	SVTCS2	SECOND BYTE OF CS WORD.
		1...		SVTFORCECOREMODE_1	"X'80'" Supervisor error:unable to continue in MT mode>1. Set bit ON to tell WLM to change MT mode to 1 for all processor classes for the remaining life of this IPL. Bit is not turned OFF. Forced to stay in MT mode 1 since error is not correctable.
282	(11A)	BITSTRING	2	SVTR11A	RESERVED. SERIALIZATION - CS.
284	(11C)	ADDRESS	4	SVTDSPC	"V(IEAVDSPC)" ADDRESS OF DISPATCHER ENTRY POINT FOR STOP ROUTINE CALLERS.
288	(120)	SIGNED	4	SVTAFTR	VIRTUAL ADDRESS OF ADDRESS SPACE FIRST TABLE (AFT) CONTAINING REAL ADDRESSES.

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
292	(124)	SIGNED	4	SVTAFTV	VIRTUAL ADDRESS OF ADDRESS SPACE FIRST TABLE (AFT) CONTAINING VIRTUAL ADDRESSES.
296	(128)	ADDRESS	4	SVTSSEM	"V(IEAVESSE)" ADDRESS OF SPACE SWITCH EVENT MANAGER.
300	(12C)	ADDRESS	4	SVTISSAT	"V(IEAISSAT)" ADDRESS OF INITIAL SUBSYSTEM AFFINITY TABLE FOR ALL TASKS.
304	(130)	SIGNED	4	SVTSSTSV	LENGTH REQUIRED FOR SRB STATUS SAVE AREA.
308	(134)	SIGNED	4	SVTWTSS	Short time slice wait time Ownership: SRM Serialization: SRMLOCK
312	(138)	SIGNED	4	SVTMDLQ	MEMORY DELETE QUEUE HEADER FOR ASCBS THAT CANNOT BE FREED.
316	(13C)	SIGNED	4	SVTSLWLN	SLIP/PER WORK AREA LENGTH REQUIRED FOR EACH PROCESSOR
320	(140)	ADDRESS	4	SVTSRBMD	"V(IEAVESTM)" ADDRESS OF SRBSTAT MODIFY ROUTINE.
324	(144)	BITSTRING	2	SVTIFA(0)	IFA info
324	(144)	ADDRESS	2	SVT_AWUQ_HELP_LIMIT_PRTY	Help limit priority for alternate WUQs
324	(144)	BITSTRING	2	SVT_ASWUQ_HELP_LIMIT_PRTY	Limit priority for IFA help
326	(146)	SIGNED	2	SVTNSLX	NUMBER OF SYSTEM LXS BEYOND THE HIGHEST SYSTEM FUNCTION TABLE LX.
328	(148)	ADDRESS	4	SVTSET1	"V(IEAVSET1)" ADDRESS OF STATUS ENTRY POINT TO SIGPCPUS ROUTINE.
332	(14C)	ADDRESS	4	SVTISECG	"V(IEAVEING)" ADDRESS OF INTERSECT GLOBAL ENTRY POINT
336	(150)	ADDRESS	4	SVTISECL	"V(IEAVEINL)" ADDRESS OF INTERSECT LOCAL ENTRY POINT
340	(154)	BITSTRING	4	SVTSWUQ(0)	System WUQ (SWUQ) header address. INITIALIZED: IEAVINIT/IEAVMPWQ SERIALIZATION: WEB Lock Protocol OWNERSHIP: Supervisor Control
340	(154)	ADDRESS	4	SVTHPWUQ	The system WUQ is used as the high priority WUQ in HD=YES mode This value is zero in HD=NO INITIALIZED: IEAVINIT/IEAVMPWQ SERIALIZATION: WEB Lock Protocol OWNERSHIP: Supervisor Control
344	(158)	ADDRESS	4	SVTCMST2	Address of CMSET SET,DIE=YES No longer used routine.
348	(15C)	ADDRESS	4	SVTBEST@	Address of XES Back End Schedule Table (BEST). SERIALIZATION: XES-determined protocol OWNERSHIP: XES
352	(160)	DBL WORD	8	(0)	INSURE DOUBLEWORD BDY
352	(160)	BITSTRING	1	(16)	Reserved: was SVTDACTV
368	(170)	DBL WORD	8	(0)	INSURE DOUBLEWORD BDY
368	(170)	BITSTRING	1	(16)	Reserved: was SVTPWAIT
384	(180)	SIGNED	4		Reserved: was SVTWPBM

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
388	(184)	SIGNED	4		Reserved: was SVTSNCT2
392	(188)	ADDRESS	4	SVTCMRT3	Address of CMSET RESET, No longer used CHKAUTH=YES,DIE=YES routine.
396	(18C)	ADDRESS	4	SVTCMRT4	Address of CMSET RESET, No longer used CHKAUTH=NO,DIE=YES routine.
400	(190)	ADDRESS	4	SVTSUSC	"V(IEAVSUSC)" GENERALIZED STOP ENTRY POINT ADDRESS
404	(194)	ADDRESS	4	SVTRSTC	"V(IEAVRSTC)" GENERALIZED RESET ENTRY POINT ADDRESS
408	(198)	ADDRESS	4	SVTCBLS	"V(IEAVCBLS)" ADDRESS OF CONTROL BLOCK LENGTH TABLE. OWNERSHIP - SUPERVISOR CONTROL SERIALIZATION - N/A
412	(19C)	BITSTRING	4	SVT_IFA_NORMALIZATION	Normalization factor for IFA. Multiply IFA time by this value and divide by 256 to get the equivalent time on a CP
416	(1A0)	BITSTRING	4	SVT_SUP_NORMALIZATION	Normalization factor for SUPs. Multiply SUP time by this value and divide by 256 to get the equivalent time on a CP
416	(1A0)	X'8'	0	SVT_NORMALIZATION_SHIFT	"8" Amount to shift by to accomplish the divide.
416	(1A0)	X'100'	0	SVT_NORMALIZATION_DIVIDE	"256" Amount to divide by
416	(1A0)	X'8'	0	SVT_IFA_NORMALIZATION_SHIFT	"8" Amount to shift by to accomplish the divide. Not an interface
416	(1A0)	X'100'	0	SVT_ZAAP_NORMALIZATION_DIVIDE	"256" Amount to divide by. Not an interface
416	(1A0)	X'8'	0	SVT_SUP_NORMALIZATION_SHIFT	"8" Amount to shift by to accomplish the divide. Not an interface
420	(1A4)	BITSTRING	1	(12)	Reserved: was SVTSPCP
432	(1B0)	ADDRESS	4	SVTLSLO	"V(IEAVLSLO)" ADDRESS OF THE LINKAGE STACK MANAGER LOCAL OBTAIN ROUTINE.
436	(1B4)	ADDRESS	4	SVTLSLR	"V(IEAVLSLR)" ADDRESS OF THE LINKAGE STACK MANAGER LOCAL RETURN ROUTINE.
440	(1B8)	ADDRESS	4	SVTLSGO	"V(IEAVLSGO)" ADDRESS OF THE LINKAGE STACK MANAGER GLOBAL OBTAIN ROUTINE.
444	(1BC)	ADDRESS	4	SVTLSGR	"V(IEAVLSGR)" ADDRESS OF THE LINKAGE STACK MANAGER GLOBAL RETURN ROUTINE.
448	(1C0)	ADDRESS	4	SVTMPWQA	"V(IEAVMPWQ)" Address of IEAVMPWQ
452	(1C4)	ADDRESS	4	SVTLSIO	"V(IEAVLSIO)" ADDRESS OF THE LINKAGE STACK MANAGER INTERRUPT HANDLER LS OBTAIN ROUTINE.

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
456	(1C8)	ADDRESS	4	SVTLSIR	"V(IEAVLSIR)" ADDRESS OF THE LINKAGE STACK MANAGER INTERRUPT HANDLER LS RETURN ROUTINE.
460	(1CC)	BITSTRING	4	SVTLEIGA	Initial Guardpage Address 000607
464	(1D0)	DBL WORD	8	SVTGLAL(0)	GLOBAL ACCESS LIST POOL HEADER - SERIALIZATION CDS.
464	(1D0)	ADDRESS	4	SVTGLALP	ADDRESS OF FIRST AVAILABLE GLOBAL POOL ACCESS LIST.
468	(1D4)	SIGNED	4	SVTGALPS	SYNC COUNT FIELD FOR COMPARE DOUBLE AND SWAP OF SVTGLALP.
472	(1D8)	BITSTRING	4	SVTGLPMX	MAXIMUM NUMBER OF BYTES BY WHICH GLOBAL ACCESS LIST POOL MAY BE EXPANDED.
476	(1DC)	ADDRESS	4	SVTXAPM1	"V(IEAVXAPM)" ADDRESS OF ACCESS LIST POOL MANAGER EXPAND (IEAVXAPM) SERVICE.
480	(1E0)	ADDRESS	4	SVTXAPM2	"V(IEAVXAP2)" ADDRESS OF ACCESS LIST POOL MANAGER RETURN (IEAVXAP2) SERVICE.
484	(1E4)	ADDRESS	4	SVTINIT	"V(IEAVINIT)" ADDRESS OF IEAVINIT.
488	(1E8)	ADDRESS	4	SVTXAACR	"V(IEAVXAAC)" ADDRESS OF ALET TO ASCB CONVERSION ROUTINE (IEAVXAAC).
492	(1EC)	ADDRESS	4	SVTOENTY	ORIGIN OF THE ASVT ENTRY TABLE OF ASCB'S.
496	(1F0)	ADDRESS	4	SVTSTKN	ADDRESS OF THE STKN TABLE.
500	(1F4)	ADDRESS	4	SVTSTKNE	LAST ENTRY OF STKN TABLE.
504	(1F8)	SIGNED	4	SVTMEOUT	SYSTEM SPIN LOOP TIMEOUT VALUE IN SECONDS, INITIALIZED BY IEEVESAI
508	(1FC)	ADDRESS	4	SVTNALD	NULL ACCESS LIST REAL ADDRESS AND LENGTH. BITS 0-25 WITH SIX ZEROS APPENDED ON THE RIGHT FORM THE ADDRESS. BITS 26-31 REPRESENT THE NUMBER OF 128 BYTE ACCESS LISTS, MINUS ONE.
512	(200)	ADDRESS	4	SVTNALV	NULL ACCESS LIST VIRTUAL ADDRESS.
516	(204)	ADDRESS	4	SVTDS0E1	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-1 (GIVEN CONTROL FOR UNLOCKED TASK DISPATCHES).
520	(208)	ADDRESS	4	SVTDS0E2	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-2 (GIVEN CONTROL FOR LOCKED TASK DISPATCHES).
524	(20C)	ADDRESS	4	SVTDS0E3	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-3 (GIVEN CONTROL FOR SRB DISPATCHES).
528	(210)	ADDRESS	4	SVTDS0E4	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-4 (GIVEN CONTROL FOR SSRB DISPATCHES).
532	(214)	ADDRESS	4	SVTDS0E5	ADDRESS OF DISPATCHER DIAGNOSTIC EXIT-5 (GIVEN CONTROL FOR WAIT TASK DISPATCHES).

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
536	(218)	ADDRESS	4	SVTASECT	ADDRESS OF THE ASE CONTROL TABLE.
540	(21C)	ADDRESS	4	SVTEXP3	"V(IEAVEXP3)" ADDRESS OF IEAVEXP3 SUBROUTINE IN EXIT PROLOGUE (LSED COMPARISON ROUTINE).
544	(220)	ADDRESS	4	SVTEMRQ	"V(IEAVEMRQ)" ADDRESS OF MEMORY REQUEST
548	(224)	ADDRESS	4	SVTLSCO	"V(IEAVLSCO)" ADDRESS OF LS CONSTANTS TABLE
552	(228)	ADDRESS	4	SVTLSLC	"V(IEAVLSLC)" ADDRESS OF THE LINKAGE STACK LOCATE SERVICE ROUTINE.
556	(22C)	ADDRESS	4	SVTNLSSD	"V(IEAVNLSD)" ADDRESS OF NULL LS LSSD
560	(230)	ADDRESS	4	SVTNLSDP	"V(IEAVNLSP)" ADDRESS OF NULL LS LSED
564	(234)	ADDRESS	4	SVTQV4	"V(IEAVEQV4)" ADDRESS OF SINGLE SPACE DOUBLE LINKED QUEUE VERIFICATION ROUTINE.
568	(238)	ADDRESS	4	SVTQV5	"V(IEAVEQV5)" ADDRESS OF MULTIPLE SPACE DOUBLE LINKED QUEUE VERIFICATION ROUTINE.
572	(23C)	ADDRESS	4	SVTCASTE	VIRTUAL ADDRESS OF THE BLOCK OF CADS ASTES. INITIALIZED BY IEAVNP09.
576	(240)	ADDRESS	4	SVTGSCH9	"V(IEAVESC9)" ADDRESS OF GLOBAL SCHEDULE WITH STOKEN ENTRY POINT FOR ENABLED CALLERS.
580	(244)	ADDRESS	4	SVTGSCHA	"V(IEAVESCA)" ADDRESS OF GLOBAL SCHEDULE WITH STOKEN ENTRY POINT FOR DISABLED CALLERS.
584	(248)	ADDRESS	4	SVTLSCHB	"V(IEAVESCB)" ADDRESS OF LOCAL SCHEDULE WITH STOKEN ENTRY POINT FOR ENABLED CALLERS.
588	(24C)	ADDRESS	4	SVTLSCHC	"V(IEAVESCC)" ADDRESS OF LOCAL SCHEDULE WITH STOKEN ENTRY POINT FOR DISABLED CALLERS.
592	(250)	ADDRESS	4	SVTQV6	"V(IEAVEQV6)" ADDRESS OF THE SINGLE SPACE SINGLE LINKED QUEUE VERIFICATION ROUTINE.
596	(254)	ADDRESS	4	SVTESCD	"V(IEAVESCD)" ADDRESS OF IEAVESCD, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (ENABLED GLOBAL).
600	(258)	ADDRESS	4	SVTESCE	"V(IEAVESCE)" ADDRESS OF IEAVESCE, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (DISABLED GLOBAL).
604	(25C)	ADDRESS	4	SVTESCF	"V(IEAVESCF)" ADDRESS OF IEAVESCF, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (ENABLED LOCAL).

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
608	(260)	ADDRESS	4	SVTESCG	"V(IEAVESCG)" ADDRESS OF IEAVESCG, THE NEW SCHEDULE ENTRY POINT FOR FEATURE (DISABLED LOCAL).
612	(264)	ADDRESS	4	SVTCPUF	"V(IEAVCPUF)" - ADDRESS OF IEAMCPUF SERVICE ROUTINE (IEAVCPUF). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
616	(268)	ADDRESS	4	SVTERMF	"V(IEAVERMF)" - ADDRESS OF IEAMRMF3 SERVICE ROUTINE (IEAVERMF). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
620	(26C)	ADDRESS	4	SVTEFCN	"V(IEAVEFCN)" - ADDRESS OF IEAMFCNT SERVICE ROUTINE (IEAVEFCN). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
624	(270)	ADDRESS	4	SVTTWRM	"V(IEAVTWRM)" - ADDRESS OF THE TAWQ WEB ADDRESS SPACE RESOURCE MANAGER ROUTINE (IEAVTWRM). OWNERSHIP: SUPERVISOR CONTROL. SERIALIZATION: NONE.
628	(274)	ADDRESS	4	SVTCPTM	Count down timer start value 4096 for bit 51, 4K mics = 4 ms
632	(278)	ADDRESS	4	SVTTODDL	TOD time to check for SIGP
636	(27C)	SIGNED	4	SVTZ1	
640	(280)	DBL WORD	8	(0)	Align to double word boundary 13
640	(280)	DBL WORD	8	SVT_ENTITLE_OVERRUN_LIMIT	
		1...		SVT_ENTITLE_OVERRUN	"X'80'" 17
648	(288)	BITSTRING	16	SVT_ACCUM_ENTITLE_CR_EARNED	An array, each entry is 8 bytes, for a total of 2 entries
664	(298)	BITSTRING	48	SVTR298	Reserved, do not use
712	(2C8)	DBL WORD	8	SVT_ENTITLE_OVERRUN_LIMIT_COUNT	
720	(2D0)	BITSTRING	48		
768	(300)	BITSTRING	72	SVTR2FC	
840	(348)	ADDRESS	4	SVTC9ST1	ADDRESS OF CMSET SET ROUTINE.
844	(34C)	ADDRESS	4	SVTC9ST2	Address of CMSET SET,DIE=YES
848	(350)	ADDRESS	4	SVTC9RT1	ADDRESS OF CMSET RESET, CHKAUTH=YES ROUTINE.
852	(354)	ADDRESS	4	SVTC9RT2	ADDRESS OF CMSET RESET,
856	(358)	ADDRESS	4	SVTC9RT3	Address of CMSET RESET, CHKAUTH=YES,DIE=YES routine.
860	(35C)	ADDRESS	4	SVTC9RT4	Address of CMSET RESET, CHKAUTH=NO ROUTINE.
864	(360)	ADDRESS	4	SVTC9STR	ADDRESS OF CMSET SSARTO ROUTINE.
868	(364)	ADDRESS	4	SVTC9SBR	ADDRESS OF CMSET SSARBACK CHKAUTH=NO,DIE=YES routine.
872	(368)	ADDRESS	4	SVTASWUQ	Special processor SWUQ header
876	(36C)	ADDRESS	4	SVTSWUQA	SVTSWUQ or SVTASWUQ The latter only if there are special processors configured.

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
880	(370)	BITSTRING	1	SVTIFAFLAGS	Processor Flags - not just IFAs. This byte is a programming interface for bit SVT_CpuProjection only
		1...		SVT_DISP_IFACROSSOVEROK	"X'80'"
		.1..		SVT_IFASWITCHIMMEDIATE	"X'40'"
		..1.		SVT_IFAINCONFIGURATION	"X'20'"
		..1.		SVT_BYLPAR_IFAINCONFIGURATION	"X'20'"
		..1.		SVT_BYLPAR_ZAAPINCONFIGURATION	"X'20'" zAAPs are installed or could be installed by dynamic CPU addition. Could be online or offline.
		...1		SVT_DISP_IFACROSSOVERHP	"X'10'"
		.... 1...		SVT_CPUPROJECTION	"X'08'" Project the CPU usage for both IFAs and SUPs
		.... .1..		SVT_SUPINCONFIGURATION	"X'04'" zIIPs are installed or could be installed by dynamic CPU addition. The zIIPs could be online or offline.
		.... .1..		SVT_BYLPAR_SUPINCONFIGURATION	"X'04'" zIIPs are installed or could be installed by dynamic CPU addition. The zIIPs could be online or offline.
		.... .1..		SVT_BYLPAR_ZIIPINCONFIGURATION	"X'04'" zIIPs are installed or could be installed by dynamic CPU addition. The zIIPs could be online or offline.
		.... ..1.		SVT_DISP_SUPHONORPRIORITY	"X'02'" Honor Priority is enabled for SUPs
		1		SVTIFAFLAGS_RSVD	"X'01'" Reserved, do not use
881	(371)	BITSTRING	1	SVTR371	Reserved
882	(372)	BITSTRING	1	SVTHDFLAGS1(0)	Flags for HD related information SERIALIZATION - CS.
882	(372)	BITSTRING	1	SVTVCMFLAGS	Flags for HD related information SERIALIZATION - CS.
		1...		SVTVCMBEENACTIVATED	"X'80'" On when HD transition has occurred
		.1..		SVTVCMACRUNPARK	"X'40'" On when IEAVTACR is unparking processors as a result of ACR running.
		..1.		SVTVCMEGRFORCENONAFF	"X'20'" When on IEAVEGR must rebuild for non-affinity mode. IEAVEGR assumes this is set only by IEAVMPWQ
		...1		SVTVCMINDEGRADEDSTATE	"X'10'" When on, HD is running in a degraded state because WLM passed a MPWQ parameter list with only discretionary CPs. This is a transient condition until the next topology change occurs.

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		SVTHDINTRANSITION	"X'08'" When on, the system is switching from HiperDispatch=YES|NO to HiperDispatch=NO|YES.
		.... .1..		SVT_HDNOCPUOVERRIDE	"X'04'"
		.... ..1.		SVTHDFLAGS_RSVD	"X'02'" Reserved - do not use
		1		SVT_WARNINGTRACKREG	"X'01'" System has successfully registered for warning track interrupts
883	(373)	BITSTRING	1	SVT_ZIIPZAAP_FLAGS	More zIIP/zAAP Flags Serialization: CS Owner: Supervisor
		1...		SVT_BYLPAR_ZIIP_NOWINSTALLED	"X'80'" There currently is at least one zIIP installed. It need not be online. This bit may change from "off" to "on" during the life of the IPL
		.1..		SVT_BYLPAR_ZAAP_NOWINSTALLED	"X'40'" There currently is at least one zAAP installed. It need not be online. This bit may change from "off" to "on" during the life of the IPL
		..1.		SVT_ZAAP_ON_ZIIP	"X'20'" When 1, zAAPzIIP=YES was specified or defaulted via IEASYSxx and is still in effect
		...1		SVT_PROCTYPE2OR5NOWINSTALLED	"X'10'" Encountered a processor type of 2 (zAAP) or 5 (zIIP) within the recognized processor info
		.... 1...		SVT_ZZ_OFF_ZAAP_ON_MACHINE	"X'08'" Same as next equate
		.... 1...		SVT_ZZ_OFF_TOO_MANY_MACHINE_ZZS	"X'08'" When 1, zAAP on zIIP was deactivated since there are more zAAPs+zIIPs than CPs on the machine
		.... .1..		SVT_ZZ_OFF_INFO_UNAVAIL	"X'04'" When 1, zAAP on zIIP was deactivated since this LPAR is not allowed to get machine-wide information
		.... ..1.		SVT_ZZ_OFF_NO_ZIIPS	"X'02'" When 1, zAAP on zIIP was deactivated since there are no zIIPs and dynamic CPU addition is not enabled so that no zIIPs can be added after IPL
884	(374)	SIGNED	2	SVT_DEFERSWITCHFROM_PCT_LIM	No deferral if use of zAAP exceeds this percent
886	(376)	CHARACTER	6	(0)	Fields for 'too many SRBs'
886	(376)	SIGNED	2	SVTPROMOTETRIGGER	When this many WEBs with the same 3-byte priority and same WebPriorityID have been skipped, consider promoting this WEB.

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
888	(378)	SIGNED	2	SVTTURNONPROMOTIONTRIGGER	When this many WEBs with the same 3-byte priority and same WebPriorityID have been skipped, turn on promotion.
890	(37A)	SIGNED	2	SVTINITIALPROMOTIONCOUNT	The number of WEBs to promote when turning on promotion.
892	(37C)	ADDRESS	4	SVT_IEAVIFAP	"V(IEAVSVTI)"
896	(380)	BITSTRING	1	SVT_PRIORITY_RANGES(3)	Priority range end for high, medium, and low priorities Owner: SRM
899	(383)	BITSTRING	1	SVT_TRICKLE_PRIORITY	Trickle Promotion priority Owner: SRM
900	(384)	BITSTRING	1	SVT_PRIORITY_INDEXES(4)	Round robin priority based indexes for supervisor work assignment
904	(388)	SIGNED	4	SVT_GENERIC_HELP_TOKEN	Token used to indicate that an affinity node needs generic help
908	(38C)	SIGNED	2	SVT_GENERIC_HELP_LIMIT	Help count where generic help should be requested
910	(38E)	SIGNED	2	SVTLOGICALCPUGOINGOFFLINE	The logical CPU id which is going offline while the CPU it represents is on in CSD_CPU_Alive. Once this logical CPU is removed from CSD_CPU_Alive, this value will contain the last logical CPU id which has gone offline. Serialization: SYSZVARY.CPU ENQ and dispatcher lock.
912	(390)	SIGNED	4	SVTHELP_SUP	SUP Help count - updated in IEAVEJST
916	(394)	SIGNED	4	SVTHELP_SUPQ	SUP Need help - queue length
920	(398)	ADDRESS	4	SVT_SUPAWMT_COUNT_TIMER	
				AWMT Count Down Timer for SUP Analog of SVTCPTM OWNERSHIP: SRM	
924	(39C)	ADDRESS	4	SVT_SUPAWMT_ELAPSED_TIMER	
				AWMT Elapsed Timer for SUP Analog of SVTTODDL OWNERSHIP: SRM	
928	(3A0)	ADDRESS	4	SVTSWUQS	SVTSWUQ or SVTSSWUQ The latter only if there are SUP processors configured.
932	(3A4)	ADDRESS	4	SVTSSWUQ	SUP System WUQ (SWUQ) header address. INITIALIZED: IEAVINIT SERIALIZATION: WEB Lock Protocol OWNERSHIP: Supervisor Control
936	(3A8)	ADDRESS	4	SVT_IFAAWMT_COUNT_TIMER	
				AWMT Count Down Timer for IFA Analog of SVTCPTM OWNERSHIP: SRM	
940	(3AC)	ADDRESS	4	SVT_IFAAWMT_ELAPSED_TIMER	

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
				AWMT Count Down Timer for IFA Analog of SVTTODDL OWNERSHIP: SRM	
944	(3B0)	BITSTRING	6	SVTR3B0	
950	(3B6)	BITSTRING	1	SVTMFLGS	Miscellaneous flags Serialization: CS
		1...		SVTD308	"X'80'" DIAGNOSE 308 supported SERIALIZATION: set during NIP
		.1..		SVT_CPUG64_NOWINSTALLED	"X'40'" CPU id greater than 64 is installed now
		..1.		SVTMFLGS_RSVD	"X'20'" Reserved, do not use
951	(3B7)	BITSTRING	1	SVT_CML_PROMOTION_PRTY	Priority giving to the WEB with a lower priority when CML promotion occurs. Note there is code that depends on this priority to be FFx (like IEAVEEXT)
952	(3B8)	BITSTRING	8	SVT_BASE_PERCENT_CALC_TIME	
				Base time used to calculate the percentage values OWNERSHIP: SRM	
960	(3C0)	BITSTRING	4	SVT_TRICKLE_TIME	Low 32 bits of 64-bit STCK-format time to be given to a trickled work unit
964	(3C4)	SIGNED	2	SVT_TINY_ND_CPUS_SHORT_MINOR	The length of a short minor timeslice in mics for a processor class with a tiny number of non-discretionary CPUs OWNERSHIP: SRM Serialization: None
966	(3C6)	SIGNED	2	SVT_NOT_TINY_ND_CPUS_SHORT_MINOR	The length of a short minor timeslice in mics for a processor class without a tiny number of non-discretionary CPUs OWNERSHIP: SRM Serialization: None
968	(3C8)	DBL WORD	8	SVT_ACCUM_ENTITLE_EARNED_REDEPOSITED	
976	(3D0)	BITSTRING	16	SVT_ACCUM_ENTITLE_VALUES(0)	
976	(3D0)	DBL WORD	8	SVT_ACCUM_ENTITLE_EARNED	
984	(3D8)	DBL WORD	8	SVT_ACCUM_ENTITLE_CONSUMED	
992	(3E0)	BITSTRING	16	SVT_ACCUM_ENTITLE_BASE_VALUES(0)	
The following two fields must be contiguous on a quadword boundary					
992	(3E0)	DBL WORD	8	SVT_ACCUM_ENTITLE_EARNED_BASE	
1000	(3E8)	DBL WORD	8	SVT_ACCUM_ENTITLE_CONSUMED_BASE	
1008	(3F0)	SIGNED	4	SVT_ENTITLEMENT_PERCENT	
1008	(3F0)	X'3F3'	0	SVT_ENTITLEMENT_PERCENT_BYTE3	"SVT_Entitlement_Percent+3"
1012	(3F4)	ADDRESS	4	SVT_ENTITLEMENT_WITHDRAWAL	
1016	(3F8)	ADDRESS	4	SVT_ENTITLEMENT_SUFF_JOIN_HELP	

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					withdrawal amount for a zIIP to start helping
1020	(3FC)	ADDRESS	4	SVT_ENTITLEMENT_SUFF_WAKEUP	
					withdrawal amount to wake up a zIIP to start helping
1024	(400)	BITSTRING	256	SVT_ROBLOCK_400(0)	Primarily readonly block
1024	(400)	BITSTRING	4	SVTCR_WORD(0)	Serialization: Compare and Swap
1024	(400)	BITSTRING	1	SVTCR	
1025	(401)	BITSTRING	2	SVTR401	
1027	(403)	BITSTRING	1	SVTCR_MISC	
		1...		SVTHDCPR	"X'80'"
		.1..		SVTLGACT	"X'40'"
1028	(404)	BITSTRING	2	SVT_RELUCTANT_HELP_START	The initial countdown value for when a CPU is reluctantly helping another CPU
1030	(406)	BITSTRING	1	SVTCR_FLAGS	Serialization: CS
		1...		SVTCR_FLAGS_TEMPPRIWUQHPWUQ	
					"X'80'" Indicates the system was forced to use a primary WUQ of the HPWUQ temporarily
		.1..		SVTCR_FLAGS_RSVD	"X'40'" Reserved for IBM use only
1031	(407)	BITSTRING	1	SVTHDFLAGS2	HiperDispatch flags byte 2 Serialization: CS
		1...		SVT_SRBENCLAVERQM	"X'80'" Enclave SRB ready queue management (RQM) must be done when the system is in HD=YES.
		.1..		SVT_ISORWASSRBENCLAVERQM	"X'40'" Enclave SRB ready queue management (RQM) was done at some point during the life of the system.
		..1.		SVTEGRNOACTIVEHDWUQS	"X'20'" When on, global recovery had to rebuild the WUQs for HD=Y, but found no active HD=Y WUQs to queue work
		.... 11..		SVTHDFLAGS2_RSVD	"X'0C'" Reserved for IBM use only
1032	(408)	ADDRESS	4	SVT_WUQH_WEE_HEADER	First WEE in WUQH WEE pool. Used for verifying the queue in global recovery.
1036	(40C)	ADDRESS	4	SVTCPUD	Pointer to CPU Dependent Area
1040	(410)	ADDRESS	4	SVT_WAITING_PROCESSOR_MASK_ADDR	
					Address of Waiting Processor bit mask. Each bit position corresponds to a CPU address. Points to a bitmask on a double word boundary (for compare and swap) that is ECVTMaxMPNumBytesInMask bytes long where the first (CVTMAXMP+1) bits are valid. OWNERSHIP - SUPERVISOR CONTROL SERIALIZATION - COMPARE AND SWAP on the bitmask.

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1040	(410)	ADDRESS	4	SVT_CORE_WAIT_CPUMASK_ADDR	Address of the waiting core CPU mask and is used in all configurations
1044	(414)	ADDRESS	4	SVT_CPUS_CAUSING_SPIN_ADDR	Address to an array where each entry is the logical ID of the CPU causing causing excessive spin for that CPU entry. The number of entries in the array is (CVTMAXMP+1), or 1 entry for each CPU. Each entry is 2 bytes. OWNERSHIP - RECONFIGURATION. SERIALIZATION - DISABLEMENT.
1048	(418)	BITSTRING	4	SVTR418_DNR	Was SVTWAS_Addr which was an address to an array, each entry being 1 byte where the value is either '00'x or 'FF'x. 'FF'x means there is a pending SIGP memory switch for that CPU entry. The number of entries in the array is (CVTMAXMP+1), or 1 entry for each CPU. Designed to cause abend for anyone referencing this pointer. Do not reuse.
1052	(41C)	ADDRESS	4	SVT_SHORT_WAIT_CPUPA_ADDR	Address to an array where each entry is the physical ID of the last standard CP to wait with a short slice in a 64 bit CPU block. There are only 2 entries in this array and each entry is 2 bytes.
1056	(420)	SIGNED	2	SVT_ZAAPMAXQL	The maximum number of WEBs 1 zAAP can dispatch in a timely fashion. Serialization: NONE Ownership: Supervisor/SRM
1058	(422)	SIGNED	2	SVT_ZAAPMINHL	When a zAAP chooses another CPU for help, the minimum number of dispatches which will be done for help. Serialization: NONE Ownership: Supervisor/SRM
1060	(424)	SIGNED	2	SVT_ZIIPMAXQL	The maximum number of WEBs 1 zIIP can dispatch in a timely fashion. Serialization: NONE Ownership: Supervisor/SRM
1062	(426)	SIGNED	2	SVT_ZIIPMINHL	When a zIIP chooses another CPU for help, the minimum number of dispatches which will be done for help. Serialization: NONE Ownership: Supervisor/SRM
1064	(428)	BITSTRING	5	SVT_SUPERSLICE(0)	Super slice block
1064	(428)	BITSTRING	2	SVT_SUPERSLICE_QUALIFIER_LOW	Low bound priority that qualifies for a super slice, inclusive. Serialization: NONE Ownership: SRM
1066	(42A)	BITSTRING	2	SVT_SUPERSLICE_QUALIFIER_HIGH	

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					High bound priority that qualifies for a super slice, inclusive. Serialization: NONE Ownership: SRM
1068	(42C)	BITSTRING	1	SVT_SUPERSLICE_EXTRAMAJORS	The number of major time slices that make up a super slice Serialization: NONE Ownership: SRM
1069	(42D)	BITSTRING	3	SVTR42D	Reserved
1072	(430)	BITSTRING	8	SVTDIAG2	Diagnostic data. This field is for IBM use only
1080	(438)	ADDRESS	4	SVT_PERFINSTSP_ADDR	Pointer to PerfInst_Sp in macro IHAPERFI. IEAVESLI is in IEAVESLA. Serialization: NONE Ownership: Supervisor
1084	(43C)	BITSTRING	4	SVTLTODSIGPGOVCP	When the system is in HD=YES, this value is a low order TOD that indicates how much time must pass between SIGPs for CPs in the same affinity node. SvtLTodSigpGovCp is a percentage of SVTCPTM (can be greater than 100%).
1084	(43C)	SIGNED	4	SVT_HD_LTOD_HI_NODE_SIGP_GOV	When non-zero and the system is in HD=YES, this value is a low order TOD that indicates how much time must pass between SIGPs for CPs in the same affinity node. SVT_HD_LTOD_Hi_Node_Sigp_Gov is a percentage of SVTCPTM (can be greater than 100%). For zAAPs/zIIPs, the governor is calculated by applying the percent to SVT_IFAAWMT_COUNT_TIMER / SVT_SUPAWMT_COUNT_TIMER
1084	(43C)	X'2'	0	SVTSIGPGOVCOREREACTIVESHIFT	"2" How much to shift the SIGP governor for cores and reactive SIGPs
1084	(43C)	X'3'	0	SVTSIGPGOVCOREPROACTIVESHIFT	"3" How much to shift the SIGP governor for cores and proactive SIGPs
1084	(43C)	X'4'	0	SVTSIGPGOVCOREHPWUQSHIFT	"4" How much to shift the SIGP governor for cores and HPWUQ SIGPs
1084	(43C)	X'1'	0	SVTSIGPGOVTHREADREACTIVESHIFT	"1" Additional number of bits to shift the SIGP governor for threads and reactive SIGPs
1084	(43C)	X'1'	0	SVTSIGPGOVTHREADPROACTIVESHIFT	

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					"1" Additional number of bits to shift the SIGP governor for threads and proactive SIGPs
1084	(43C)	X'0'	0	SVTSIGPGOVTHREADHPWUQSHIFT	"0" Additional number of bits to shift the SIGP governor for threads and HPWUQ SIGPs
1084	(43C)	BITSTRING	0	SVTSIGPGOVHPWUQLTODFLOOR	"X'00019000'" HPWUQ SIGP governor floor (25 us)
1088	(440)	SIGNED	4	SVT_WUQA_RQM_MAJCANSUPPRESS	
					The number of major task time slices IEAVWUQA will allow a unit of work being affected by RQM to wait for access to CPU. How long a unit of work may wait for access to CPU is determined by wall clock (not execution) time.
1092	(444)	BITSTRING	4	SVT_WDI_RQM_LTOD_CANSUPPRESS	
					The low order word of a TOD that indicates how long IEAVEWDI will allow a unit of work being affected by RQM to wait for access to CPU.
1096	(448)	SIGNED	4	SVT_MAJORTIMESLICE	The low 32 bits of a 64-bit STCK format time which represents the length of a major task time slice
1100	(44C)	ADDRESS	4	SVTRNALD	Really Null Access List real address and length. Bits 0-25 with 6 zeroes appended on the right form the address. Bits 26-31 represent the number of 128-byte access lists minus one
1104	(450)	ADDRESS	4	SVTRNALV	Really Null Access List virtual addr
1108	(454)	BITSTRING	3	SVT_HDANSMPERBYPROCCLASSAREA	
					The percent of non-discretionary CP/zAAP/zIIP per affinity node that must be assigned a short minor
1111	(457)	BITSTRING	1	SVTR457	Reserved (primarily readonly)
1112	(458)	BITSTRING	10	SVT_DIAG458	Diagnostic data for IBM use only
1122	(462)	BITSTRING	1	SVTCOREFLGS	
Bit definitions:					
		1...		SVTPROCASCORE	"X'80'" A processor resource is viewed as a CPU Core. This is equivalent to the CvtProcAsCore bit
		.1..		SVTMULTICPUSPERCORE	"X'40'" When SvtProcAsCore is on, this indicates there are multiple CPUs defined within a CPU Core (on MT capable hardware). This is equivalent to the CvtMultiCpusPerCore bit

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..11		SVTCOREFLGS_RSVD	"X'30'" For IBM use only.
1123	(463)	BITSTRING	1	SVTR463	Reserved (primarily readonly)
1124	(464)	SIGNED	2	SVTCOREIDCPUIDSHIFT	When SvtProcAsCore is on, the number of bits to shift when converting between a CPU Id and a CPU Core Id. When SvtProcAsCore is off, this will be set to 0
1126	(466)	SIGNED	2	SVTCOREMODE_MAX	When SvtProcAsCore is on, the maximum number of CPUs that can be used on a CPU Core. When SvtProcAsCore is off, this will be set to 1.
1128	(468)	SIGNED	2	SVTCOREMODEBYPROCCLASS(0)	
1128	(468)	SIGNED	2	SVTCOREMODE_CP	The number of CPUs that are active on a CP Core. 1 <= SvtCoreMode_CP <= SvtCoreMode_Max
1130	(46A)	SIGNED	2	SVTCOREMODE_ZAAP	The number of CPUs that are active on a zAAP Core. 1 <= SvtCoreMode_zAAP<=SvtCoreMode_Max
1132	(46C)	SIGNED	2	SVTCOREMODE_ZIIP	The number of CPUs that are active on a zIIP Core. 1 <= SvtCoreMode_zIIP<=SvtCoreMode_Max
1132	(46C)	X'1'	0	SVTCOREMODE_1	"1" 1 thread per core
1132	(46C)	X'2'	0	SVTCOREMODE_2	"2" 2 threads per core
1134	(46E)	BITSTRING	2	SVTR46E	Reserved (primarily readonly)
1136	(470)	ADDRESS	4	SVT_THREAD_WAIT_CPUMASK_ADDR	The address of the thread wait CPU mask. This field is non-zero when PROCVIEW CORE was specified on hardware that supports MT. Otherwise this field is zero
1140	(474)	ADDRESS	4	SVT_COREVT_ADDR	The address of the CORE vector table. This field is non-zero when PROCVIEW CORE was specified on hardware that supports MT. Otherwise this field is zero
1144	(478)	DBL WORD	8	SVTCANCAPTINSTRCTRSTCK	The STCK time of when the SvtCanCaptInstrCtr bit was last turned on
1152	(480)	BITSTRING	4	SVTINSTRFLGS	Instruction Count related flags Serialization: CS
		1...		SVTCANCAPTINSTRCTR	"X'80'" The instruction count can be successfully extracted
		.1..		SVTCAPTINSTRCTR	"X'40'" The installation wants to collect instruction counts
1156	(484)	BITSTRING	8	SVT_DIAG484	Diagnostic data for IBM use only
1164	(48C)	BITSTRING	8	SVT_DIAG48C	Diagnostic data for IBM use only
1172	(494)	BITSTRING	4	SVT_DIAG494	Diagnostic data for IBM use only
1176	(498)	DBL WORD	8	SVTCAPTINSTRCTRSTCK	The STCK time of when the SvtCaptInstrCtr bit was last turned on

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1184	(4A0)	SIGNED	4	SVT_CPENGINESPEED	Standard CP Engine Speed (cycles per microsecond) When 0, the speed is not available
1188	(4A4)	SIGNED	4	SVT_SPECIALTYENGINESPEED	Specialty Engine Speed (cycles per microsecond) When 0, the speed is not available.
1192	(4A8)	BITSTRING	8	SVTR4A8	Reserved (primarily readonly)
1200	(4B0)	BITSTRING	16	SVT_DIAG4B0	Diagnostic data for IBM use only
1216	(4C0)	SIGNED	2	SVT_WINDOWINTERVALMICS	Minimum time before window can be opened in IEAMWIN (in microseconds). For zSphinx or later hardware. Value stored in microseconds so that window interval isn't greatly affected on an overlay
1218	(4C2)	BITSTRING	14	SVTR4C2	Reserved (primarily readonly)
1232	(4D0)	BITSTRING	4	SVTLTODSIGPGOVZAAP	When the system is in HD=YES, this value is a low order TOD that indicates how much time must pass between SIGPs for zAAPs in the same affinity node. SvtLTodSigpGovZaap is a percentage of SVT_IFAAWMT_COUNT_TIMER (can be greater than 100%).
1236	(4D4)	BITSTRING	4	SVTLTODSIGPGOVZIIP	When the system is in HD=YES, this value is a low order TOD that indicates how much time must pass between SIGPs for zIIPs in the same affinity node. SvtLTodSigpGovZiip is a percentage of SVT_SUPAWMT_COUNT_TIMER (can be greater than 100%).
1240	(4D8)	BITSTRING	40	SVTR4D8	Reserved (primarily readonly)
1280	(500)	BITSTRING	256	SVT_RWBLOCK_500(0)	read-write block
1280	(500)	BITSTRING	128	SVT_DIAG500	Diagnostic data. This field is for IBM use only
1408	(580)	BITSTRING	8	SVTSRBIDSEQ#	System-wide wrapping counter used to create an SrbIdToken SERIALIZATION: CSG OWNERSHIP: Supervisor Control
1416	(588)	CHARACTER	8	SVT_TOD_EXTRACTCORECTRS	Time (set by HISNTIMR) after which core counters can be extracted by IEAVEJST
1424	(590)	SIGNED	4	SVTCOREMODETRANSITION	This word is used to indicate to recovery that a Core or CoreMode Transition is in progress or has occurred. Serialized by CS.
1424	(590)	BITSTRING	1	SVTCOREMODETRANSITION_RECONFIGFLAGS	Flags related to reconfiguration processing.
Bit definitions:					
		1...		SVTCOREMODETRANSITION_ACTIVE	

Table 402. Structure SVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					"X'80'" Indicates that a Core or CoreMode reconfiguration is in progress. This bit should only be turned ON when SYSZVARY.CPU is ENQueued. Not abnormal because the bit is set ON/OFF using CS on the SvtCoreModeTransition word.
		.1..		SVTCOREMODETRANSITION_RECONFIGERROR	"X'40'" Indicates that reconfiguration processing had an error. This bit is turned ON to tell IEAVELCR not to collect doc because it was already collected as part of reconfiguration error recovery. Not abnormal because the bit is set ON/OFF using CS on the SvtCoreModeTransition word. recovery.
1425	(591)	BITSTRING	1	SVTR591	RESERVED.
1426	(592)	SIGNED	2	SVTCOREMODETRANSITION_SEQ#	Current sequence number.
1428	(594)	SIGNED	4	SVTCOREMODESEQNUM_CP	Sequence number for each procclass. It is incremented by IEEVCPR when MT mode of a procclass is changed. Serialization: SYSZVARY.CPU ENQ obtained by IEECB927.
1432	(598)	SIGNED	4	SVTCOREMODESEQNUM_ZAAP	See description for SVTCoreModeSeqNum_CP
1436	(59C)	SIGNED	4	SVTCOREMODESEQNUM_ZIIP	See description for SVTCoreModeSeqNum_CP
1440	(5A0)	BITSTRING	96	SVTR5A0	Reserved (read-write)
1536	(600)	DBL WORD	8	SVTEND(0)	END OF SVT.

Table 403. Cross Reference for SVT

Name	Offset	Hex Tag
SVT	0	
SVT_ACCUM_ENTITLE_BASE_VALUES	3E0	
SVT_ACCUM_ENTITLE_CONSUMED	3D8	0
SVT_ACCUM_ENTITLE_CONSUMED_BASE	3E8	0
SVT_ACCUM_ENTITLE_CR_EARNED	288	0
SVT_ACCUM_ENTITLE_EARNED	3D0	0
SVT_ACCUM_ENTITLE_EARNED_BASE	3E0	0
SVT_ACCUM_ENTITLE_EARNED_REDEPOSITED	3C8	0
SVT_ACCUM_ENTITLE_VALUES	3D0	
SVT_ASWUQ_HELP_LIMIT_PRTY	144	
SVT_AWUQ_HELP_LIMIT_PRTY	144	
SVT_BASE_PERCENT_CALC_TIME	3B8	0
SVT_BYLPAR_IFAINCONFIGURATION	370	20
SVT_BYLPAR_SUPINCONFIGURATION	370	4
SVT_BYLPAR_ZAAP_NOWINSTALLED	373	40

Table 403. Cross Reference for SVT (continued)

Name	Offset	Hex Tag
SVT_BYLPAR_ZAAPINCONFIGURATION	370	20
SVT_BYLPAR_ZIIP_NOWINSTALLED	373	80
SVT_BYLPAR_ZIIPINCONFIGURATION	370	4
SVT_CML_PROMOTION_PRTY	3B7	FF
SVT_CORE_WAIT_CPUMASK_ADDR	410	
SVT_COREVT_ADDR	474	
SVT_CPENGINESPEED	4A0	
SVT_CPUG64_NOWINSTALLED	3B6	40
SVT_CPUPROJECTION	370	8
SVT_CPUS_CAUSING_SPIN_ADDR	414	
SVT_CRITICALPAGING	118	4
SVT_DEFERSWITCHFROM_PCT_LIM	374	4B
SVT_DIAG4B0	4B0	0
SVT_DIAG458	458	0
SVT_DIAG48C	48C	7000F
SVT_DIAG484	484	100010
SVT_DIAG494	494	D090705
SVT_DIAG500	500	0
SVT_DISP_IFACROSSOVERHP	370	10
SVT_DISP_IFACROSSOVEROK	370	80
SVT_DISP_SUPHONORPRIORITY	370	2
SVT_ENTITLE_OVERRUN	280	80
SVT_ENTITLE_OVERRUN_LIMIT	280	0
SVT_ENTITLE_OVERRUN_LIMIT_COUNT	2C8	0
SVT_ENTITLEMENT_PERCENT	3F0	0
SVT_ENTITLEMENT_PERCENT_BYTE3	3F0	3F3
SVT_ENTITLEMENT_SUFF_JOIN_HELP	3F8	
SVT_ENTITLEMENT_SUFF_WAKEUP	3FC	
SVT_ENTITLEMENT_WITHDRAWAL	3F4	
SVT_GENERIC_HELP_LIMIT	38C	1
SVT_GENERIC_HELP_TOKEN	388	0
SVT_HD_LTOD_HI_NODE_SIGP_GOV	43C	0
SVT_HDANSMPERBYPROCCLASSAREA	454	141414
SVT_HDNOCPUOVERRIDE	372	4
SVT_HYPERSWAP_IN_PROGRESS	118	2
SVT_IEAVIFAP	37C	
SVT_IFA_NORMALIZATION	19C	100
SVT_IFA_NORMALIZATION_SHIFT	1A0	8
SVT_IFAAWMT_COUNT_TIMER	3A8	
SVT_IFAAWMT_ELAPSED_TIMER	3AC	
SVT_IFAINCONFIGURATION	370	20
SVT_IFASWITCHIMMEDIATE	370	40
SVT_ISORWASSRBENCLAVERQM	407	40
SVT_MAJORSHDYESLOCKPROMOTE	76	3
SVT_MAJORTIMESLICE	448	
SVT_NORMALIZATION_DIVIDE	1A0	100
SVT_NORMALIZATION_SHIFT	1A0	8
SVT_NOT_TINY_ND_CPUS_SHORT_MINOR	3C6	32
SVT_PERFINSTSP_ADDR	438	

Table 403. Cross Reference for SVT (continued)

Name	Offset	Hex Tag
SVT_PRIORITY_INDEXES	384	0
SVT_PRIORITY_RANGES	380	0
SVT_PROCTYPE2OR5NOWINSTALLED	373	10
SVT_RELUCTANT_HELP_START	404	3
SVT_ROBLOCK_400	400	
SVT_RWBLOCK_500	500	
SVT_SHORT_WAIT_CPUPA_ADDR	41C	
SVT_SHORTMINHDYESLOCKPROMAX	76	FF
SVT_SHORTMINHDYESLOCKPROMOTE	76	30
SVT_SPECIALTYENGINESPEED	4A4	
SVT_SRBENCLAVERQM	407	80
SVT_SUP_NORMALIZATION	1A0	100
SVT_SUP_NORMALIZATION_SHIFT	1A0	8
SVT_SUPAWMT_COUNT_TIMER	398	
SVT_SUPAWMT_ELAPSED_TIMER	39C	
SVT_SUPERSLICE	428	
SVT_SUPERSLICE_EXTRAMAJORS	42C	40
SVT_SUPERSLICE_QUALIFIER_HIGH	42A	C0
SVT_SUPERSLICE_QUALIFIER_LOW	428	C0
SVT_SUPINCONFIGURATION	370	4
SVT_THREAD_WAIT_CPUMASK_ADDR	470	
SVT_TINY_ND_CPUS_SHORT_MINOR	3C4	96
SVT_TOD_EXTRACTCORECTRS	588	
SVT_TRICKLE_PRIORITY	383	0
SVT_TRICKLE_TIME	3C0	0
SVT_WAITING_PROCESSOR_MASK_ADDR	410	
SVT_WARNINGTRACKREG	372	1
SVT_WDI_RQM_LTOD_CANSUPPRESS	444	3D090000
SVT_WINDOWINTERVALMICS	4C0	1F4
SVT_WUQA_RQM_MAJCANSUPPRESS	440	23
SVT_WUQH_WEE_HEADER	408	
SVT_ZAAP_NORMALIZATION_DIVIDE	1A0	100
SVT_ZAAP_ON_ZIIP	373	20
SVT_ZAAPMAXQL	420	7
SVT_ZAAPMINHL	422	7
SVT_ZIIPMAXQL	424	7
SVT_ZIIPMINHL	426	7
SVT_ZIIPZAAP_FLAGS	373	0
SVT_ZZ_OFF_INFO_UNAVAIL	373	4
SVT_ZZ_OFF_NO_ZIIPS	373	2
SVT_ZZ_OFF_TOO_MANY_MACHINE_ZZS	373	8
SVT_ZZ_OFF_ZAAP_ON_MACHINE	373	8
SVTACHA	1E	10
SVTACTR	88	
SVTAFFOB	D4	
SVTAFFON	C	80
SVTAFFST	D0	
SVTAFTR	120	0
SVTAFTV	124	0

Table 403. Cross Reference for SVT (continued)

Name	Offset	Hex Tag
SVTAPCP	70	4
SVTASECT	218	
SVTASWUQ	368	
SVTATTA	1F	20
SVTAWM	113	1
SVTAWUQ	C	
SVTAWUQE	118	10
SVTBBR	A0	
SVTBEST@	15C	
SVTCANCAPTINSTRCTR	480	80
SVTCANCAPTINSTRCTRSTCK	478	0
SVTCAPTINSTRCTR	480	40
SVTCAPTINSTRCTRSTCK	498	0
SVTCASTE	23C	
SVTCBLS	198	
SVTCBVE	1E	1
SVTCDSPD	C4	
SVTCDSPE	C0	
SVTCHAP	1F	4
SVTCHKWP	110	80
SVTCMCKM	A8	80000000
SVTCMRT1	B0	
SVTCMRT2	B4	
SVTCMRT3	188	
SVTCMRT4	18C	
SVTCMSBR	BC	
SVTCMSTR	B8	
SVTCMST1	AC	
SVTCMST2	158	
SVTCOREFLGS	462	
SVTCOREFLGS_RSVD	462	30
SVTCOREIDCPUIDSHIFT	464	
SVTCOREMODE_CP	468	
SVTCOREMODE_MAX	466	
SVTCOREMODE_ZAAP	46A	
SVTCOREMODE_ZIIP	46C	
SVTCOREMODE_1	46C	1
SVTCOREMODE_2	46C	2
SVTCOREMODEBYPROCCLASS	468	
SVTCOREMODEERROR	118	1
SVTCOREMODESEQNUM_CP	594	
SVTCOREMODESEQNUM_ZAAP	598	
SVTCOREMODESEQNUM_ZIIP	59C	
SVTCOREMODETRANSITION	590	
SVTCOREMODETRANSITION_ACTIVE	590	80
SVTCOREMODETRANSITION_RECONFIGERROR	590	40
SVTCOREMODETRANSITION_RECONFIGFLAGS	590	
SVTCOREMODETRANSITION_SEQ#	592	
SVTCPCRN	118	8

Table 403. Cross Reference for SVT (continued)

Name	Offset	Hex Tag
SVTCPTM	274	
SVTCPUD	40C	
SVTCPUF	264	
SVTCR	400	0
SVTCR_FLAGS	406	0
SVTCR_FLAGS_RSVD	406	40
SVTCR_FLAGS_TEMPPRIWUQHPWUQ	406	80
SVTCR_MISC	403	0
SVTCR_WORD	400	
SVTCRSCR	78	
SVTCS1	118	0
SVTCS2	119	0
SVTC9RT1	350	
SVTC9RT2	354	
SVTC9RT3	358	
SVTC9RT4	35C	
SVTC9SBR	364	
SVTC9STR	360	
SVTC9ST1	348	
SVTC9ST2	34C	
SVTDETA	1F	40
SVTDFLT	1C	40
SVTDIAG2	430	0
SVTDSBCM	110	FFFFFF
SVTDSBCT	110	
SVTDSG1	1F	80
SVTDSG2	1E	80
SVTDSG3	1D	80
SVTDSG4	1C	80
SVTDSPC	11C	
SVTDSREQ	1C	
SVTDS0E1	204	
SVTDS0E2	208	
SVTDS0E3	20C	
SVTDS0E4	210	
SVTDS0E5	214	
SVTD308	3B6	80
SVTEFCN	26C	
SVTEGRNOACTIVEHDWUQS	407	20
SVTEGRT	77	0
SVTEMRQ	220	
SVTEND	600	
SVTERMF	268	
SVTESCD	254	
SVTESCE	258	
SVTESCF	25C	
SVTESCG	260	
SVTEXP3	21C	
SVTFORCECOREMODE_1	119	80

Table 403. Cross Reference for SVT (continued)

Name	Offset	Hex Tag
SVTFW1	118	
SVTGALPS	1D4	0
SVTGLAL	1D0	
SVTGLALP	1D0	
SVTGLPMX	1D8	C00
SVTGSCHA	244	
SVTGSCH1	4	
SVTGSCH2	8	
SVTGSCH9	240	
SVTGSMQ	20	0
SVTGSPH	98	
SVTGSPL	24	FFFFFFFF
SVTGSRB	20	
SVTHDCPR	403	80
SVTHDFLAGS_RSVD	372	2
SVTHDFLAGS1	372	
SVTHDFLAGS2	407	0
SVTHDFLAGS2_RSVD	407	C
SVTHDINTRANSITION	372	8
SVTHELP_SUP	390	0
SVTHELP_SUPQ	394	0
SVTHPWUQ	154	
SVTIFA	144	
SVTIFAFLAGS	370	82
SVTIFAFLAGS_RSVD	370	1
SVTINIT	1E4	
SVTINITIALPROMOTIONCOUNT	37A	C8
SVTINSTRFLGS	480	0
SVTINVOKEGRONSPIN	77	80
SVTISECG	14C	
SVTISECL	150	
SVTISECR	8C	
SVTISECT	0	
SVTISSAT	12C	
SVTJSTEQ	18	0
SVTLASCB	A4	
SVTLEIGA	1CC	FFBAD000
SVTLGACT	403	40
SVTLOGICALCPUGOINGOFFLINE	38E	0
SVTLSCHB	248	
SVTLSCHC	24C	
SVTLSCO	224	
SVTLSGO	1B8	
SVTLSGR	1BC	
SVTLSIO	1C4	
SVTLSIR	1C8	
SVTLSLC	228	
SVTLSLO	1B0	
SVTLSLR	1B4	

Table 403. Cross Reference for SVT (continued)

Name	Offset	Hex Tag
SVTLSMQ	28	0
SVTLTODSIGPGOVCP	43C	190000
SVTLTODSIGPGOVZAAP	4D0	190000
SVTLTODSIGPGOVZIIP	4D4	190000
SVTMAXQL	72	7
SVTMCADS	9C	32
SVTMCBCT	114	7FFF0003
SVTMDLQ	138	0
SVTMEOUT	1F8	0
SVTMFLGS	3B6	0
SVTMFLGS_RSVD	3B6	20
SVTMINHL	74	7
SVTMINI	1E	2
SVTMPALE	9E	0
SVTMPWQA	1C0	
SVTMTER	1E	4
SVTMULTICPUSPERCORE	462	40
SVTNALD	1FC	
SVTNALV	200	
SVTNLSDP	230	
SVTNLSSD	22C	
SVTNSLX	146	A5
SVTOENTY	1EC	
SVTPROCASCORE	462	80
SVTPROMOTETRIGGER	376	3
SVTPURD	1F	1
SVTQVER	1D	1
SVTQV4	234	
SVTQV5	238	
SVTQV6	250	
SVTRCTI	1E	40
SVTRNALD	44C	
SVTRNALV	450	
SVTRSCA	108	
SVTRSCS	14	
SVTRSTC	194	
SVTRSUA	104	
SVTRSUS	10C	
SVTRTM1	1F	8
SVTRTM2	1F	10
SVTR0F4	F4	0
SVTR02C	2C	0
SVTR084	84	0
SVTR11A	11A	0
SVTR2FC	300	0
SVTR298	298	0
SVTR3B0	3B0	0
SVTR371	371	0
SVTR4A8	4A8	0

Table 403. Cross Reference for SVT (continued)

Name	Offset	Hex Tag
SVTR4C2	4C2	0
SVTR4D8	4D8	0
SVTR401	401	0
SVTR418_DNR	418	7FFFFBAD
SVTR42D	42D	0
SVTR457	457	0
SVTR46E	46E	0
SVTR463	463	
SVTR5A0	5A0	0
SVTR591	591	
SVTSET1	148	
SVTSIGPGOVCOREHPWUQSHIFT	43C	4
SVTSIGPGOVCOREPROACTIVESHIFT	43C	3
SVTSIGPGOVCOREREACTIVESHIFT	43C	2
SVTSIGPGOVHPWUQLTODFLOOR	43C	19000
SVTSIGPGOVTHREADHPWUQSHIFT	43C	0
SVTSIGPGOVTHREADPROACTIVESHIFT	43C	1
SVTSIGPGOVTHREADREACTIVESHIFT	43C	1
SVTSLWLN	13C	0
SVTSRBA	EC	0
SVTSRBC	F2	0
SVTSRBE	F0	
SVTSRBF	E0	
SVTSRBG	D8	
SVTSRBIDSEQ#	580	
SVTSRBM	F0	3
SVTSRBMD	140	
SVTSRBP	E8	
SVTSRBRS	CC	
SVTSRBS	E8	0
SVTSRBSV	C8	
SVTSRM1	1D	2
SVTSRQ1	1C	0
SVTSRQ2	1D	0
SVTSRQ3	1E	0
SVTSRQ4	1F	0
SVTSSEM	128	
SVTSSRBF	E4	
SVTSSRBG	DC	
SVTSSTSV	130	848
SVTSSWUQ	3A4	
SVTSTAT	1F	2
SVTSTKN	1F0	
SVTSTKNE	1F4	
SVTSUSC	190	
SVTSVT	100	E2E5E340
SVTSWUQ	154	
SVTSWUQA	36C	
SVTSWUQS	3A0	

Table 403. Cross Reference for SVT (continued)

Name	Offset	Hex Tag
SVTTCBV	1E	20
SVTTODDL	278	
SVTTURNONPROMOTIONTRIGGER	378	C8
SVTTWRM	270	
SVTVCMACRUNPARK	372	40
SVTVCMBEENACTIVATED	372	80
SVTVCMEGRFORCENONAFF	372	20
SVTVCMFLAGS	372	0
SVTVCMINDEGRADEDSTATE	372	10
SVTWEEF	10	
SVTWPCP	110	40
SVTWPIFA	110	20
SVTWPSCT	80	0
SVTWTSS	134	0
SVTXAACR	1E8	
SVTXAPM1	1DC	
SVTXAPM2	1E0	
SVTXASCB	90	0
SVTXMCMF	118	20
SVTXMD	94	0
SVTXMSOP	118	80
SVTXMSUP	118	40
SVTZ1	27C	0

Chapter 113. SXT Information

SXT Heading Information

Common Name:	VSM Cell Pool Secondary Extent
Macro ID:	IGVSXT
DSECT Name:	SXT
Owning Component:	Virtual Storage Manager (SC1CH)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User supplied Key: User supplied
Size:	24 bytes
Created by:	IGVCPBLD and IGVCPEXT
Pointed to by:	SPDSXT
Serialization:	LOCAL/CML lock for local cell pools VSMPAG for pageable global cell pools VSMFIX for fixed global cell pools
Function:	Describes the secondary cell pool extent.

SXT mapping

Table 404. Structure SXT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	SXT	
0	(0)	CHARACTER	24	SXTHDR	USER SUPPLIED HEADER
24	(18)	CHARACTER	*	SXTPOOL	POOL CELLS

Chapter 114. SYMPQ Information

SYMPQ Heading Information

Common Name:	DAE Symptom Queue Element
Macro ID:	ADYSYMP
DSECT Name:	SYMPQ
Owning Component:	DUMP ANALYSIS AND ELIMINATION (SC143)
Eye-Catcher ID:	SQ Offset: 0 Length: 2
Storage Attributes:	Subpool: 239, 231 Key: 0 Residency: ANY ALLOCATION METHOD: CPOOL FREQUENCY: Controlled by RECORDS(nnn) DAE Parameter
Size:	LENGTH(SYMPQ)
Created by:	ADYTRNS
Pointed to by:	DSCSYMPP
Serialization:	Compare Double & Swap
Function:	Maps the record, in main storage, of an error incident which DAE either copied from the DAE data set or contstructed following an error incident which met the criteria for minimum symptom data.

SYMPQ mapping

Table 405. Structure SYMPQ

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	216	SYMPQ	SYMPTOM QUEUE ENTRY
0	(0)	ADDRESS	4	SYMPQNXT	PTR-NEXT ENTRY IN SYMPQ
4	(4)	CHARACTER	2	SYMPID	INDIVIDUAL ACRONYM FOR EACH ELEMENT
6	(6)	CHARACTER	21	SYMPORIG	IDENTIFICATION OF THE ORIGINAL OCCURRENCE OF THIS PROBLEM.
6	(6)	CHARACTER	10	SYMPERID	ORIGINAL ERROR ID
6	(6)	UNSIGNED	2	SYMPOSEQ	ERROR ID SEQUENCE NUMBER
8	(8)	UNSIGNED	2	SYMPOCID	ERROR ID CPU ID
10	(A)	UNSIGNED	2	SYMPOAS	ERROR ID ADDRESS SPACE ID
12	(C)	SIGNED	4	SYMPOTIM	ORIGINAL TIME (BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT).
16	(10)	CHARACTER	4	SYMPODAT	ORIGINAL DATE (PACKED DECIMAL JULIAN 00YYDDDF)
20	(14)	CHARACTER	6	SYMPOCPU	CPUID-ORIGINAL FOUND
26	(1A)	BITSTRING	1	SYMPOFLG	FLAGS
		1...		SYMPSVCD	AN SVC DUMP CREATED THE ORIGINAL DOCUMENTATION
		.1..		SYMPSYSM	A SYSMDUMP CREATED THE ORIGINAL DOCUMENTATION

Table 405. Structure SYMPQ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		SYMPTRUM	ORIGINAL SYSMPTOM STRING WAS TRUNCATED
		...1 1111		*	RESERVED
27	(1B)	CHARACTER	10	SYMPCURR	LAST OCCURRENCE DATA
27	(1B)	SIGNED	4	SYMPDTIM	TIME - MOST RECENT OCCURRENCE (BINARY NUMBER TENTHS OF A SECOND SINCE MIDNIGHT).
31	(1F)	CHARACTER	4	SYMPDDAT	DATE - MOST RECENT OCCURRENCE (PACKED DECIMAL JULIAN 00YYDDDF)
35	(23)	SIGNED	2	SYMPDCNT	COUNT- OF OCCURRENCES
37	(25)	SIGNED	2	SYMPSCNT	COUNT-SYMPTOMS IN SYMPQC
39	(27)	SIGNED	2	SYMPSLN	LENGTH-SYMPTOMS IN SYMPQC PLUS A TRAILING BLANK
41	(29)	CHARACTER	150	SYMPQC	SYMPTOMS IN MVS LOCAL FMT
191	(BF)	CHARACTER	1	SYMPFLAG	Flags
		1...		SYMPTKDP	Take the next Dump flag
		.1..		SYMPRCDA	This entry was added because of RECORDALL
		..1.		SYMPPART	This entry represents a partial or empty dump - do not suppress
		...1		SYMPDUM	This entry represents a dummy entry, do not suppress
192	(C0)	ADDRESS	4	SYMPFREQ	Address of EventList
196	(C4)	CHARACTER	4	*	RESERVED
200	(C8)	CHARACTER	8	SYMPSYSNO	System Name - Original occurrence
208	(D0)	CHARACTER	8	SYMPSYSNL	System Name - Last Occurrence

Table 406. Structure SYMPX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	65	SYMPX	Symptom Queue Extension
0	(0)	CHARACTER	8	SYMPXTIMESTAMP	Time Stamp of Event
0	(0)	UNSIGNED	4	SYMPXTIMESTAMPL	Left fullword
8	(8)	CHARACTER	13	SYMPXLAST	Data Sent to remote systems
8	(8)	CHARACTER	12	SYMPXLAST2	
8	(8)	UNSIGNED	4	SYMPXLASTCOUNT	Count of Events at last notify
12	(C)	CHARACTER	8	SYMPXLASTNOTIFYTIME	Last Notify Time (or 0)
12	(C)	UNSIGNED	4	SYMPXLASTNOTIFYTIMEL	Left Word
20	(14)	CHARACTER	1	SYMPXFLAGS	
		1...		SYMPXNOTIFYFLAG	Indicates NOTIFY just done
21	(15)	CHARACTER	44	SYMPXDATASETNAME	Original Dump Dataset Name

Table 407. Constants for SYMPQ

Len	Type	Value	Name	Description
2	CHARACTER	SQ	SYMPIDV	ACRONYM TO BE FILLED INTO SYMPID WHEN EACH ELEMENT IS CREATED.
4	DECIMAL	239	SYMPQSP	SYMPTOM QUEUE SUBPOOL FOR SVC DUMP ELEMENTS.
4	DECIMAL	231	SYMPQSPSYSM	SYMPTOM QUEUE SUBPOOL FOR SYSMDUMP ELEMENTS.

Table 407. Constants for SYMPQ (continued)

Len	Type	Value	Name	Description
24	CHARACTER	DAE SYMPTOM QUEU E CELLS	SYMPQCPH	HEADER FOR SYMPTOM QUEUE CELL POOL EXTENTS.

Table 408. Cross Reference for SYMPQ

Name	Offset	Hex Tag
SYMPCURR	1B	
SYMPDCNT	23	
SYMPDDAT	1F	
SYMPDTIM	1B	
SYMPDUM	BF	10
SYMPERID	6	
SYMPFLAG	BF	
SYMPFREQ	C0	
SYMPID	4	
SYMPOAS	A	
SYMPOCID	8	
SYMPOCPU	14	
SYMPODAT	10	
SYMPOFLG	1A	
SYMPORIG	6	
SYMPOSEQ	6	
SYMPOTIM	C	
SYMPPART	BF	20
SYMPQ	0	
SYMPQC	29	
SYMPQNXT	0	
SYMPRCDA	BF	40
SYMPSCNT	25	
SYMPSLN	27	
SYMPSVCD	1A	80
SYMPSYSM	1A	40
SYMPSYSNL	D0	
SYMPSYSNO	C8	
SYMPTKDP	BF	80
SYMPTRUM	1A	20
SYMPX	0	
SYMPXDATASETNAME	15	
SYMPXFLAGS	14	
SYMPXLAST	8	
SYMPXLASTCOUNT	8	
SYMPXLASTNOTIFYTIME	C	
SYMPXLASTNOTIFYTIMEL	C	
SYMPXLAST2	8	
SYMPXNOTIFYFLAG	14	80
SYMPXTIMESTAMP	0	
SYMPXTIMESTAMPL	0	

Chapter 115. S99PARMS Information

S99PARMS Programming Interface Information

The following field is **NOT** programming interface information:

- S99EMSGP

S99PARMS Heading Information

Common Name:	Dynamic Allocation (SVC 99) Parameter List
Macro ID:	IEFZB4D0
DSECT Name:	S99RB, S99RBP, S99TUPL, S99TUNIT, S99TUFLD, S99RBX
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Main Storage: No Subpool: User defined Key: User's key Residency: Any
Size:	S99RB: 20 bytes S99RBX: 36 bytes
Created by:	Callers of dynamic allocation
Pointed to by:	Register 1 points to a pointer to this parameter list upon entry to SVC 99.
Serialization:	None
Function:	Input required by dynamic allocation, specifically the dynamic allocation control routine, IEFDB400.

S99PARMS mapping

Table 409. Structure S99RBP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	S99RBP	
0	(0)	SIGNED	4	S99RBPTR	REQUEST BLOCK POINTER
		1...		S99RBPND	"X'80'" LAST POINTER INDICATOR

Table 410. Structure S99RB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	S99RB	REQUEST BLOCK
0	(0)	SIGNED	4	(0)	
0	(0)	CHARACTER	1	S99RBLN	LENGTH OF REQUEST BLOCK
1	(1)	CHARACTER	1	S99VERB	VERB CODE
		1		S99VRBAL	"X'01'" ALLOCATION
		.... ..1.		S99VRBUN	"X'02'" UNALLOCATION
		11		S99VRBCC	"X'03'" CONCATENATION
		.... .1..		S99VRBDC	"X'04'" DECONCATENATION
		.... .1.1		S99VRBRI	"X'05'" REMOVE IN-USE
		.... .11.		S99VRBDN	"X'06'" DDNAME ALLOCATION

Table 410. Structure S99RB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .111		S99VRBIN	"X'07'" INFORMATION RETRIEVAL
2	(2)	CHARACTER	2	S99FLAG1(0)	FLAGS
2	(2)	CHARACTER	1	S99FLG11	FIRST FLAGS BYTE
		1...		S99ONCNV	"X'80'" ALLOC FUNCTION-DO NOT USE AN EXISTING ALLOCATION THAT DOES NOT HAVE THE CONVERTIBLE ATTRIBUTE TO SATISFY A REQUEST
		.1..		S99NOCNV	"X'40'" ALLOC FUNCTION-DO NOT USE AN EXISTING ALLOCATION TO SATISFY THE REQUEST
		..1.		S99NOMNT	"X'20'" ALLOC FUNCTION-DO NOT MOUNT VOLUMES OR CONSIDER OFFLINE UNITS (THIS FLAG OVERRIDES S99MOUNT AND S99OFFLN BELOW)
		...1		S99JBSYS	"X'10'" ALLOC FUNC-JOB RELATED SYSOUT
		.... 1...		S99CNENQ	"X'08'" ALL FUNCTIONS-ISSUE A CONDITIONAL ENQ ON TIOT RESOURCE. IF NOT AVAILABLE, RETURN AN ERROR CODE TO USER.
		.... .1..		S99GDGNT	"X'04'" ALLOC FUNCTION - IGNORE THE GDG NAME TABLE AND PERFORM A LOCATE FOR THE GDG BASE LEVEL.
		.... ..1.		S99MSGL0	"X'02'" All functions - ignore the MSGLEVEL parameter in the JCT and use MSGLEVEL=(,0)
		1		S99NOMIG	"X'01'" ALLOC function - do not recall migrated data sets
3	(3)	CHARACTER	1	S99FLG12	SECOND BYTE OF FLAGS
		1...		S99NOSYM	"X'80'" Allocate, unallocate, info retrieval - do not perform symbolic substitution
		.1..		S99ACUCB	"X'40'" Alloc function-use Actual UCB addresses
		..1.		S99DSABA	"X'20'" Request that the DSAB for this allocation be placed above the 16MB line.
		...1		S99DXACU	"X'10'" Request above-the-line DSABs, XTIOTs and actual (uncaptured) UCBs for allocated devices
4	(4)	CHARACTER	4	S99RSC(0)	REASON CODE FIELDS
4	(4)	BITSTRING	2	S99ERROR	ERROR REASON CODE
6	(6)	BITSTRING	2	S99INFO	INFORMATION REASON CODE
8	(8)	SIGNED	4	S99TXTPP	ADDR OF LIST OF TEXT UNIT PTRS
12	(C)	SIGNED	4	S99S99X	ADDR OF REQ BLK EXTENSION
16	(10)	CHARACTER	4	S99FLAG2(0)	FLAGS FOR AUTHORIZED FUNCTIONS
16	(10)	CHARACTER	1	S99FLG21	FIRST BYTE OF FLAGS
		1...		S99WTVOL	"X'80'" ALLOC FUNCTION-WAIT FOR VOLUMES
		.1..		S99WTDSN	"X'40'" ALLOC FUNCTION-WAIT FOR DSNAME

Table 410. Structure S99RB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		S99NORES	"X'20'" ALLOC FUNCTION-DO NOT DO DATA SET RESERVATION
		...1		S99WTUNT	"X'10'" ALLOC FUNCTION-WAIT FOR UNITS
		.... 1...		S99OFFLN	"X'08'" ALLOC FUNCTION-CONSIDER OFFLINE UNITS
		.... .1..		S99TIONQ	"X'04'" ALL FUNCTIONS-TIOT ENQ ALREADY DONE
		.... ..1.		S99CATLG	"X'02'" ALLOC FUNCTION-SET SPECIAL CATALOG DATA SET INDICATORS
		1		S99MOUNT	"X'01'" ALLOC FUNCTION-MAY MOUNT VOLUME
17	(11)	CHARACTER	1	S99FLG22	SECOND BYTE OF FLAGS
		1...		S99UDEVT	"X'80'" ALLOCATION FUNCTION-UNIT NAME PARM IS A DEVICE TYPE
		.1..		S99PCINT	"X'40'" ALLOC FUNCTION-ALLOC PRIVATE CATALOG TO INITIATOR
		..1.		S99DYNDI	"X'20'" ALLOC FUNCTION-NO JES3 DSN INTEGRITY PROCESS
		...1		S99TIOEX	"X'10'" ALLOC FUNCTION - XTIOT ENTRY REQUESTED (FOR SYSTEM PROGRAM USE ONLY)
		.... 1...		S99ASERR	"X'08'" Unit Allocation / Unallocation Service (IEFAB4C1/IEFDB440) - Ignore Coupling Facility READ/WRITE failure when processing RELEASE function for Autoswitchable device (FOR SYSTEM PROGRAM USE ONLY)
		.... .1..		S99IGNCL	"X'04'" Alloc function - ignore control limit. THIS FLAG IS FOR SYSTEM PROGRAM USE ONLY.
		.... ..1.		S99DASUP	"X'02'" Alloc function - suppress DD-level Accounting in SMF Type 30 (EXCP section) and Type 40 records
18	(12)	CHARACTER	1	S99FLG23	THIRD BYTE OF FLAGS
19	(13)	CHARACTER	1	S99FLG24	FOURTH BYTE OF FLAGS
19	(13)	X'14'	0	S99RBEND	"*" END MARKER
SVC 99 FLAG BIT MASKS - A '1' DENOTES DEFINED BITS - USED TO TEST FOR BIT SETTINGS					
		1111 1111		S99MSK11	"B'11111111'" BIT MASK FOR S99FLG11
		1111		S99MSK12	"B'11110000'" BIT MASK FOR S99FLG12
		1111 1111		S99MSK21	"B'11111111'" BIT MASK FOR S99FLG21
		1111 111.		S99MSK22	"B'11111110'" BIT MASK FOR S99FLG22
		....		S99MSK23	"B'00000000'" BIT MASK FOR S99FLG23

Table 410. Structure S99RB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
	....			S99MSK24	"B'00000000'" BIT MASK FOR S99FLG24
SVC 99 FLAG RESERVED BIT MASKS - A '1' DENOTES RESERVED BITS - USED TO TEST FOR INVALID USE OF RESERVED FIELDS					
	....			S99NOT11	"B'00000000'" INVERSE BITMASK FOR S99FLG11
	 1111			S99NOT12	"B'00001111'" INVERSE BITMASK FOR S99FLG12
	....			S99NOT21	"B'00000000'" INVERSE BITMASK FOR S99FLG21
	1			S99NOT22	"B'00000001'" INVERSE BITMASK FOR S99FLG22
	1111 1111			S99NOT23	"B'11111111'" INVERSE BITMASK FOR S99FLG23
	1111 1111			S99NOT24	"B'11111111'" INVERSE BITMASK FOR S99FLG24

Table 411. Structure S99TUPL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	S99TUPL	TEXT UNIT POINTER LIST
0	(0)	SIGNED	4	S99TUPTR	TEXT UNIT POINTER
	1...			S99TUPLN	"X'80'" LAST TEXT UNIT POINTER IN LIST

Table 412. Structure S99TUNIT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	S99TUNIT	TEXT UNIT
0	(0)	BITSTRING	2	S99TUKEY	KEY
2	(2)	BITSTRING	2	S99TUNUM	N0. OF LENGTH+PARAMETER ENTRIES
4	(4)	CHARACTER	1	S99TUENT(0)	ENTRY OF LENGTH+PARAMETER
4	(4)	BITSTRING	2	S99TULNG	LENGH OF 1ST (OR ONLY) PARAMETER
6	(6)	CHARACTER	1	S99TUPAR	1ST (OR ONLY) PARAMETER

Table 413. Structure S99TUFLD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	S99TUFLD	
0	(0)	BITSTRING	2	S99TULEN	LENGTH OF PARAMETER
2	(2)	CHARACTER	1	S99TUPRM	PARAMETER

Table 414. Structure S99RBX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	S99RBX	REQUEST BLOCK EXTENSION
0	(0)	CHARACTER	6	S99EID	CONTROL BLOCK ID ='S99RBX'

Table 414. Structure S99RBX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
6	(6)	CHARACTER	1	S99EVER	VERSION NUMBER
		1		S99RBXVR	"X'01'" CURRENT VERSION NUMBER
7	(7)	CHARACTER	1	S99EOPTS	PROCESSING OPTIONS
		1...		S99EIMSG	"X'80'" ISSUE MSG BEFORE RETURNING TO CALLER
		.1..		S99ERMSG	"X'40'" RETURN MSG TO CALLER
		..1.		S99ELSTO	"X'20'" USER STORAGE SHOULD BE BELOW 16M BOUNDRY
		...1		S99EMKEY	"X'10'" USER SPECIFIED STORAGE KEY FOR MESSAGE BLOCKS
		.... 1...		S99EMSUB	"X'08'" USER SPECIFIED SUBPOOL FOR MESSAGE BLOCKS
		.... .1..		S99EWTP	"X'04'" USE WTO FOR MESSAGE OUTPUT
8	(8)	CHARACTER	1	S99ESUBP	SUBPOOL FOR MESSAGE BLOCKS
9	(9)	CHARACTER	1	S99EKEY	STORAGE KEY FOR MESSAGE BLOCKS
10	(A)	CHARACTER	1	S99EMGSV	SEVERITY LEVEL FOR MESSAGES PROCESSING
		....		S99XINFO	"X'00'" INFORMATIONAL MSG SEVERITY
		.... .1..		S99XWARN	"X'04'" WARNING MESSAGE SEVERITY
		.... 1...		S99XSEVE	"X'08'" SEVERE MESSAGE SEVERITY
11	(B)	CHARACTER	1	S99ENMSG	NUMBER OF MESSAGE BLOCKS RETURNED
12	(C)	SIGNED	4	S99ECPPL	ADDRESS OF CPPL
16	(10)	CHARACTER	4	S99EMRC(0)	MESSAGE SERVICE RETURN CODE
16	(10)	CHARACTER	1	S99ERCR	RESERVED
17	(11)	CHARACTER	1	S99ERCM	RESERVED
18	(12)	CHARACTER	1	S99ERCO	RETURN CODE DEALING WITH MESSAGE OUTPUT
19	(13)	CHARACTER	1	S99ERCF	RETURN CODE DEALING WITH STORAGE FOR MESSAGE BLOCKS
20	(14)	SIGNED	4	S99EWRC	PUTLINE/WTO RETURN CODE
24	(18)	SIGNED	4	S99EMSGP	MESSAGE BLOCK POINTER
28	(1C)	SIGNED	4	S99ESIRC(0)	INFORMATION RETRIEVAL RETURN CODE FOR SJF KEYS
28	(1C)	BITSTRING	2	S99EERR	ERROR REASON CODE
30	(1E)	BITSTRING	2	S99EINFO	INFORMATION REASON CODE
32	(20)	BITSTRING	4	S99ERSN	SMS REASON CODE
32	(20)	X'24'	0	S99RBXLN	"*-S99RBX" LENGTH OF DECLARED S99RBX

Table 415. Cross Reference for S99PARMS

Name	Offset	Hex Tag
S99ACUCB	3	40
S99ASERR	11	8
S99CATLG	10	2
S99CNENQ	2	8
S99DASUP	11	2
S99DSABA	3	20
S99DXACU	3	10

Table 415. Cross Reference for S99PARMS (continued)

Name	Offset	Hex Tag
S99DYNDI	11	20
S99ECPPL	C	
S99EERR	1C	
S99EID	0	
S99EIMSG	7	80
S99EINFO	1E	
S99EKEY	9	
S99ELSTO	7	20
S99EMGSV	A	
S99EMKEY	7	10
S99EMRC	10	
S99EMSGP	18	
S99EMSUB	7	8
S99ENMSG	B	
S99EOPTS	7	
S99ERCF	13	
S99ERCM	11	
S99ERCO	12	
S99ERCR	10	
S99ERMSG	7	40
S99ERROR	4	
S99ERSN	20	
S99ESIRC	1C	
S99ESUBP	8	
S99EVER	6	
S99EWRC	14	
S99EWTP	7	4
S99FLAG1	2	
S99FLAG2	10	
S99FLG11	2	
S99FLG12	3	
S99FLG21	10	
S99FLG22	11	
S99FLG23	12	
S99FLG24	13	
S99GDGNT	2	4
S99IGNCL	11	4
S99INFO	6	
S99JBSYS	2	10
S99MOUNT	10	1
S99MSGL0	2	2
S99MSK11	13	FF
S99MSK12	13	F0
S99MSK21	13	FF
S99MSK22	13	FE
S99MSK23	13	0
S99MSK24	13	0
S99NOCNV	2	40
S99NOMIG	2	1

Table 415. Cross Reference for S99PARMS (continued)

Name	Offset	Hex Tag
S99NOMNT	2	20
S99NORES	10	20
S99NOSYM	3	80
S99NOT11	13	0
S99NOT12	13	F
S99NOT21	13	0
S99NOT22	13	1
S99NOT23	13	FF
S99NOT24	13	FF
S99OFFLN	10	8
S99ONCNV	2	80
S99PCINT	11	40
S99RB	0	
S99RBEND	13	14
S99RBLN	0	
S99RBP	0	
S99RBPND	0	80
S99RBPTR	0	
S99RBX	0	
S99RBXLN	20	24
S99RBXVR	6	1
S99RSC	4	
S99S99X	C	
S99TIOEX	11	10
S99TIONQ	10	4
S99TUENT	4	
S99TUFLD	0	
S99TUKEY	0	
S99TULEN	0	
S99TULNG	4	
S99TUNIT	0	
S99TUNUM	2	
S99TUPAR	6	
S99TUPL	0	
S99TUPLN	0	80
S99TUPRM	2	
S99TUPTR	0	
S99TXTPP	8	
S99UDEVT	11	80
S99VERB	1	
S99VRBAL	1	1
S99VRBCC	1	3
S99VRBDC	1	4
S99VRBDN	1	6
S99VRBIN	1	7
S99VRBRI	1	5
S99VRBUN	1	2
S99WTDSN	10	40
S99WTUNT	10	10

Table 415. Cross Reference for S99PARMS (continued)

Name	Offset	Hex Tag
S99WTVOL	10	80
S99XINFO	A	0
S99XSEVE	A	8
S99XWARN	A	4

Chapter 116. TAXE Information

TAXE Heading Information

Common Name:	TERMINAL ATTENTION EXIT ELEMENT
Macro ID:	IKJTAXE
DSECT Name:	TAXE
Owning Component:	Region Control Task (SC1CU)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 253 Key: 0
Size:	144 bytes
Created by:	IEAVAX00
Pointed to by:	RCTDTAXE field of the RCTD data area.
Serialization:	Local lock
Function:	This data area consists of an IRB, an IQE, and a work area. It maps an entire TAXE with the exception of the RB prefix because of its varying size and since it is not required whenreferencing the TAXE. The TAXE contains information necessary for scheduling attention exits and is used to queue STAX exit requests.

TAXE mapping

Table 416. Structure TAXE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	144	TAXE	
		STANDARD IRB			
0	(0)	CHARACTER	96	TAXEIRB	IRB
96	(60)	ADDRESS	4	TAXENIQE	PTR NEXT AVAILABLE IQE
		STANDARD IQE			
100	(64)	CHARACTER	44	TAXEWORK	LABEL USED WHEN CLEARING WORK AREA YO2752
100	(64)	ADDRESS	4	TIQELNK	ADDR OF NEXT IQE ON IQE QUEUE YO2752
104	(68)	ADDRESS	4	TIQEPARM	PARM TO ASYNCHRONOUS EXIT ROUTINE YO2752
108	(6C)	ADDRESS	4	TIQEIRB	ADDR OF IRB TO BE SCHD. YO2752
112	(70)	ADDRESS	4	TAXETCB	PTR TO TCB YO2752
		WORK AREA OF IRB			
116	(74)	CHARACTER	1	*	ZA17748
117	(75)	ADDRESS	3	TAXELNK	PTR TO NEXT TAXE ON QUE ZA17748
120	(78)	ADDRESS	4	TAXEPARM	PTR TO STAX PARM LIST
120	(78)	ADDRESS	4	TAXESTAX	ADDR OF STAX PARM LIST
124	(7C)	ADDRESS	4	TAXEEXIT	PTR TO USER ATTENTION EXIT ROUTINE YO2752
		1...		TAXEEXM	ADDRESSING MODE OF USER EXIT ROUTINE
128	(80)	CHARACTER	4	*	FLAGS

Table 416. Structure TAXE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
128	(80)	CHARACTER	1	TAXESTAT	STATUS OF PROGRAM ISSUING THE STAX SVC YO2752
		1...		TAXEFKEY	STATUS FLAG FOR PROB KEY YO2752
		.1..		TAXEFMOD	STATUS FLAG FOR PROB MODE YO2752
		..1.		TAXEFREQ	STATUS FLAG FOR REQUESTED TAXE YO2752
		...1		TAXERESM	ON-ATTENTION PROLOGUE MUST NOT GO TO USER ATTENTION EXIT YO2752
		.... 1...		TAXESCHD	ON-TAXE HAS BEEN SCHEDULED BUT IS NOT IN USER CODE YO2752
		.... .1..		TAXEATTN	ON-ATTN IN EFFECT FOR CLIST
		.... ..1.		TAXECLST	ON- TAXE CAN HANDLE CLIST ATTN EXITS
		1		TAXEIGNI	INITIAL TAXE IGNORE STATUS
129	(81)	CHARACTER	1	TAXEST2	SECOND STATUS BYTE
		1...		TAXEIGNC	CURRENT TAXE IGNORE STATUS
		.1..		TAXETPLV	ON - THIS IS A TOPLEVL ATTENTION EXIT
		..11 1111		*	RESERVED
130	(82)	CHARACTER	2	*	RESERVED
132	(84)	ADDRESS	4	TAXETAIE	PTR TO TAIE YO2752
136	(88)	ADDRESS	4	TAXEIBUF	PTR TO USER INPUT BUFFER YO2752
140	(8C)	ADDRESS	4	TAXEUSER	PTR TO USER PARAMETER YO2752
144	(90)	CHARACTER	0	TAXEEND	TAXE WILL BE IN DBL WDS YO2752

Table 417. Cross Reference for TAXE

Name	Offset	Hex Tag
TAXE	0	
TAXEATTN	80	04
TAXECLST	80	02
TAXEEND	90	
TAXEEXIT	7C	
TAXEEXM	7C	80
TAXEFKEY	80	80
TAXEFMOD	80	40
TAXEFREQ	80	20
TAXEIBUF	88	
TAXEIGNC	81	80
TAXEIGNI	80	01
TAXEIRB	0	
TAXELNK	75	
TAXENIQE	60	
TAXEPARM	78	
TAXERESM	80	10
TAXESCHD	80	08
TAXESTAT	80	
TAXESTAX	78	
TAXEST2	81	
TAXETAIE	84	
TAXETCB	70	

Table 417. Cross Reference for TAXE (continued)

Name	Offset	Hex Tag
TAXETPLV	81	40
TAXEUSER	8C	
TAXEWORK	64	
TIQEIRB	6C	
TIQELNK	64	
TIQEPARM	68	

Chapter 117. TBVT Information

TBVT Heading Information

Common Name:	System trace buffer vector table and trace buffer
Macro ID:	IHATBVT
DSECT Name:	TBVT, TBUF
Owning Component:	System trace (SC142)
Eye-Catcher ID:	TBVT Offset: 0 Length: 4
Storage Attributes:	Subpool: 245 (created by IEAVNIP0), 255 (created by IEAVETEA) Key: 0 Residency: LOC(ANY)
Size:	72 bytes for the TBVT plus 4096 bytes for the TBUF
Created by:	IEAVNIP0 - NUCLEUS initialization IEAVETEA - System trace environment alteration routine INITIALIZATION = The creator of the TBVT must initialize TBVTID with the acronym 'TBVT' and TBVTBLVL with the constant TBVTLVLN. The creator of the tbuf must initialize TBUFID with the acronym 'TBUF'.
Pointed to by:	TBVT <== PSATBVTR, PSATBVTV, TBVTBWRD, TBVTFWRD, TBVTNXTR, TBVTNXTV, TOBPTBVT TBUF <== TBVTCR12, TBVTBUFV
Serialization:	TBVT The queueing fields are serialized by disablement on the processor, the trace spin lock and the system trace address space local lock, or the trace spin lock and the system trace address space local lock if the processor is not alive (CSDCPUAL). The buffer status fields (TBVTENT1 and fields in TBVTBST) are serialized by disablement on the processor and zeroed tracing control bits in control register 12, or the trace spin lock and the system trace address space local lock if the processor is not alive (CSDCPUAL). TBUF Disablement on the processor and zeroed tracing control bits in control register 12.
Function:	TBVT contains information to maintain accountability of a 4K trace buffer and the TBVT queue. TBUF contains trace table entries (TTES).

TBVT mapping

Table 418. Structure TBVT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	88	TBVT	TRACE BUFFER VECTOR TABLE.
0	(0)	CHARACTER	4	TBVTID	TBVT EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TBVTBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	CHARACTER	1	TBVTFLGS	TBVT FLAGS

Table 418. Structure TBVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		TBVTMOBJ	MEMORY OBJECT USED FOR THE TBUF ASSOCIATED WITH THIS TBVT
		.1..		TBVTSOBJ	THE TBUF ASSOCIATED WITH THIS TBVT IS AT THE START OF A MEMORY OBJECT
6	(6)	UNSIGNED	2	TBVTPID	PROCESSOR IDENTIFIER.
8	(8)	CHARACTER	8	TBVTC12E	TRACE BYTES 0-3
8	(8)	ADDRESS	8	TBVTBUFR	REAL ADDRESS OF 4K BUFFER ASSOCIATED WITH THIS TBVT
8	(8)	BITSTRING	4	TBVTC120	BYTES 0-3 OF TRACE
		1...		TBVTRBRE	ESAME BRANCH TRACE OPTION
		.1..		TBVTRMOE	ESAME MODE TRACE OPTION
12	(C)	ADDRESS	4	TBVTC121	REAL BUFFER ADDRESS AND TRACE OPTION FLAGS IN CONTROL REGISTER 12 FORMAT.
12	(C)	BITSTRING	3	*	
		1...		TBVTRBR	BRANCH TRACE OPTION (NOT ESAME). BIT 0
15	(F)	BITSTRING	1	*	
		1111 11..		*	
		.... ..1.		TBVTRASD	ASID TRACE OPTION. BIT 30.
		1		TBVTREXP	EXPLICIT TRACE OPTION. BIT 31.
16	(10)	CHARACTER	8	TBVTFWRD	TBVT FORWARD QUEUE POINTERS.
16	(10)	ADDRESS	4	TBVTNXTR	REAL ADDRESS OF NEXT TBVT.
20	(14)	ADDRESS	4	TBVTNXTV	VIRTUAL ADDRESS OF NEXT TBVT.
24	(18)	ADDRESS	4	TBVTBWRD	VIRTUAL ADDRESS OF PREVIOUS TBVT.
28	(1C)	CHARACTER	4	TBVTRSV1	TBVTBUFV WAS HERE PRIOR TO R10.
32	(20)	CHARACTER	24	TBVTBST	BUFFER STATUS. (COPIED TO TTCHBST AND TFWABST)
32	(20)	CHARACTER	8	TBVTCR34	CONTROL REGISTERS 3 AND 4 AT TIME BUFFER BECAME CURRENT.
32	(20)	CHARACTER	2	TBVTBFGS	STATE FLAGS.
32	(20)	CHARACTER	1	TBVTBFG1	STATE FLAGS.
		1...		TBVTPLST	PREVIOUS TBVT(S) LOST FLAG.
		.1..		TBVTC12C	CONTROL REGISTER 12 HAS THE CURRENT VALUE OF TBVTENT1. IF THE BUFFER IS NOT THE CURRENT BUFFER, CONTROL INFORMATION HAS BEEN LOST, THE END OF THE TRACE DATA IS UNKNOWN.
33	(21)	CHARACTER	1	TBVTBFG2	STATE FLAGS.
34	(22)	UNSIGNED	2	TBVTBSA	SASID AT TIME BUFFER BECAME CURRENT.
36	(24)	UNSIGNED	2	TBVTBHA	HASID AT TIME BUFFER BECAME CURRENT.
38	(26)	UNSIGNED	2	TBVTBPA	PASID AT TIME BUFFER BECAME CURRENT.
40	(28)	ADDRESS	4	TBVTBTB	PSATOLD AT TIME BUFFER BECAME CURRENT.
44	(2C)	SIGNED	4	TBVTBCNT	BUFFER USE COUNT.
48	(30)	CHARACTER	8	TBVTBTOD	TIME OF DAY BUFFER BECAME CURRENT.

Table 418. Structure TBVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
56	(38)	CHARACTER	8	TBVTBSAT	TIME OF DAY BUFFER BECAME SATURATED.
64	(40)	CHARACTER	8	TBVTENTE	CR12. AS THIS IS USED AS THE TARGET OF STCTG, IT MUST BE ON A DOUBLEWORD BOUNDARY
64	(40)	ADDRESS	8	TBVTENTR	REAL ADDRESS OF NEXT AVAILABLE ENTRY SLOT IN TRACE BUFFER (IN CONTROL REGISTER 12 FORMAT) AT THE LAST SUSPEND OR TRACE INTERRUPT FOR THE BUFFER.
64	(40)	BITSTRING	4	TBVTENT0	WORD 0 OF ESAME CR12
68	(44)	ADDRESS	4	TBVTENT1	WORD 1 OF ESAME CR12. REAL ADDRESS OF NEXT AVAILABLE ENTRY SLOT IN TRACE BUFFER (IN CONTROL REGISTER 12 FORMAT) AT THE LAST SUSPEND OR TRACE INTERRUPT FOR THE BUFFER.
72	(48)	CHARACTER	8	TBVTWORK	WORK AREA. AS THIS IS USED AS THE TARGET OF STCTG, IT MUST BE ON A DOUBLEWORD BOUNDARY
80	(50)	ADDRESS	8	TBVTBUFV	VIRTUAL ADDRESS OF 4K BUFFER ASSOCIATED WITH THIS TBVT.
80	(50)	CHARACTER	4	TBVTBUFV0	WORD 0.
84	(54)	ADDRESS	4	TBVTBUFV1	WORD 1.
88	(58)	CHARACTER	0	TBVTEND	END OF TBVT.

Table 419. Structure TBUF

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4096	TBUF	TRACE BUFFER.
0	(0)	CHARACTER	4092	TBUFDATA	TRACE BUFFER DATA (TTES).
4092	(FFC)	CHARACTER	4	TBUFID	TBUF EBCDIC IDENTIFIER.
4096	(1000)	CHARACTER	0	TBUFEND	END OF TBUF.

Table 420. Constants for TBVT

Len	Type	Value	Name	Description
1	DECIMAL	2	TBVTLVLN	TBVT LEVEL NUMBER.

Table 421. Cross Reference for TBVT

Name	Offset	Hex Tag
TBUF	0	
TBUFDATA	0	
TBUFEND	1000	
TBUFID	FFC	
TBVT	0	
TBVTBCNT	2C	
TBVTBFGS	20	
TBVTBFG1	20	
TBVTBFG2	21	

Table 421. Cross Reference for TBVT (continued)

Name	Offset	Hex Tag
TBVTBHA	24	
TBVTBLVL	4	
TBVTBPA	26	
TBVTBSA	22	
TBVTBSAT	38	
TBVTBST	20	
TBVTBTB	28	
TBVTBTOD	30	
TBVTBUFR	8	
TBVTBUFV	50	
TBVTBUFV0	50	
TBVTBUFV1	54	
TBVTBWRD	18	
TBVTCR34	20	
TBVTC12C	20	40
TBVTC12E	8	
TBVTC120	8	
TBVTC121	C	
TBVTEND	58	
TBVTENTE	40	
TBVTENTR	40	
TBVTENT0	40	
TBVTENT1	44	
TBVTFLGS	5	
TBVTFWRD	10	
TBVTID	0	
TBVTMOBJ	5	80
TBVTNXTR	10	
TBVTNXTV	14	
TBVTPID	6	
TBVTPLST	20	80
TBVTRASD	F	02
TBVTRBR	C	80
TBVTRBRE	8	80
TBVTREXP	F	01
TBVTRMOE	8	40
TBVTRSV1	1C	
TBVTSOBJ	5	40
TBVTWORK	48	

Chapter 118. TBWC Information

TBWC Programming Interface Information

TBWC is a programming interface.

TBWC Heading Information

Common Name:	CTRACE Trace Buffer Writer Control area
Macro ID:	ITTTBWC
DSECT Name:	TBWC
Owning Component:	CTRACE (SCTRC)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Determined by component Key: Determined by component Residency: Determined by component
Size:	8 bytes
Created by:	The TBWC is created by the component that is using the CTRACE writer services.
Pointed to by:	Private pointer (or data register), in containing module.
Serialization:	None
Function:	The TBWC is used as the communication area between the exploiting component and CTrace. This area indicates the status of a particular trace buffer.

TBWC mapping

Table 422. Structure TBWC

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TBWC	, Ctrace trace buffer writer control area
0	(0)	BITSTRING	1	TBWCUSRF	Flags set by the user of CTRACEWR
		1...		TBWCUTRC	"X'80'" =1 Component is tracing in the trace buffer
		.1..		TBWCUFUL	"X'40'" =1 Trace buffer is full
1	(1)	BITSTRING	1	TBWCCTRF	Flags set by CTRACEWR and cleared by the user
		1...		TBWCCCAP	"X'80'" =1 CTRACEWR is in the process of capturing the trace buffer
		.1..		TBWCCAVL	"X'40'" =1 The trace buffer has been captured and is now available to be filled again
2	(2)	BITSTRING	2	TBWCRSN	Reason code. Non-zero when CTRACE determines that the buffer is being reused before it is captured.

Table 422. Structure TBWC (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	SIGNED	4	TBWCSEQ	This sequence number is incremented each time the component starts to fill the trace buffer
8	(8)	DBL WORD	8	TBWCEND(0)	- End of TBWC

Table 423. Cross Reference for TBWC

Name	Offset	Hex Tag
TBWC	0	
TBWCCAVL	1	40
TBWCCCAP	1	80
TBWCCTRF	1	
TBWCEND	8	
TBWCRSN	2	
TBWCSEQ	4	
TBWCUFUL	0	40
TBWCUSRF	0	
TBWCUTRC	0	80

Chapter 119. TCB Information

TCB Programming Interface Information

ONLY the following fields are part of the programming interface information:

- TCBAFFN
- TCBANDSP
- TCBARC
- TCBBACK
- TCBBITCB
- TCBCELAP
- TCBCMP
- TCBCMPF
- TCBDEB
- TCBFLGS8
- TCBGRES
- TCBGRS
- TCBJLB
- TCBJSCBB
- TCBJSTCB
- TCBLEVEL
- TCBLLS
- TCBLTC
- TCBNTC
- TCBOTC
- TCBPIE
- TCBPKF
- TCBRBP
- TCBRV316
- TCBSENV
- TCBSTCB
- TCBSVCA2
- TCBSVCS
- TCBSVCSP
- TCBTCB
- TCBTCBID
- TCBTCT
- TCBTID
- TCBTIO
- TCBUSER

TCB Heading Information

Common Name: TASK CONTROL BLOCK

TCB Heading Information

Macro ID:	IKJTCB
DSECT Name:	TCBFIX (DSECT card precedes prefix). The label, TCB, should be used in the USING statement for the TCB proper. TCBXTNT2 is the DSECT name for common extension.
Owning Component:	Task Management (SC1CL)
Eye-Catcher ID:	TCB Offset: 256 Length: 4
Storage Attributes:	Subpool: 253 Key: 0 Residency: Below 16 MB line
Size:	408 bytes
Created by:	IEAMSWCB, ATTACH
Pointed to by:	ASMTCBPT field of the ASMVT data area ASXBFTCB field of the ASXB data area (first TCB) ASXBLTCB field of the ASXB data area (last TCB) CVTSLIDA field of the CVT data area (supervisor lock TCB) CVTWTCB field of the CVT data area (dummy WAIT TCB) DEBTCBAD field of the DEB data area DSABTCBP field of the DSAB data area EVNTTCBP field of the EVNT data area JSCBTCBP field of the JSCB data area (initiator TCB) LCTTCBAD field of the LCT data area ORETCB field of the ORE data area PQETCB field of the PQE data area PSATNEW field of the PSA data area (new TCB to dispatch) PSATOLD field of the PSA data area (current TCB dispatched) QELTCB field of the QEL data area QPLTCB field of the QPL data area RBLINK field of the RB data area RQETCB field of the RQE data area SCVTCTCB field of the SCVT data area (Comm Task TCB) SMCAWTCB field of the SMCA data area (SMF writer TCB) SQETCB field of the SQE data area SSETCBA field of the EOT SSOB data area (terminating TCB) TAXETCB field of the TAXE data area TCBTCB field of the TCB data area (next TCB) TCBJSTCB field of the TCB data area (jobstep TCB) TCBNTC field of the TCB data area (sister TCB) TCBOTC field of the TCB data area (originating TCB) TCBLTC field of the TCB data area (subtask TCB) TCBBACK field of the TCB data area (previous TCB) TCCWTCB field of the TCCW data area TCTTCB field of the TCT data area TIOCLDS field of the TIOCRPT data area (line disconnect TCB) TQETCB field of the TQE data area TSBWTCB field of the TSB data area (waiting TCB) TSBCTCB field of the TSB data area (TPUT TCB) UCMPXA field of the UCM data area (comm task TCB) WEBUPTR field of the WEB data area WQETCB field of the WQE data area WQEJSTCB field of the WQE data area (associated jobstep TCB)
Serialization:	Depends on the field
Function:	The task control block (TCB) serves as a repository for information and pointers associated with a task. Various components of the control program place information in the TCB and obtain information from the TCB.

TCB mapping

Table 424. Structure TCBFIX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
-32	(-20)	STRUCTURE	0	TCBFIX	, - TCBPTR-32
-32	(-20)	CHARACTER	32	TCBFRS(0)	- FLOATING POINT REGISTER SAVE AREA
-32	(-20)	DBL WORD	8	TCBFRS0	- SAVE AREA FOR FLOATING POINT REGISTER 0
-24	(-18)	DBL WORD	8	TCBFRS2	- SAVE AREA FOR FLOATING POINT REGISTER 2
-16	(-10)	DBL WORD	8	TCBFRS4	- SAVE AREA FOR FLOATING POINT REGISTER 4
-8	(-8)	DBL WORD	8	TCBFRS6	- SAVE AREA FOR FLOATING POINT REGISTER 6
-8	(-8)	X'20'	0	TCBPXLEN	"*-TCBFIX" LENGTH OF PREFIX SECTION
		TCB PROPER			
0	(0)	DBL WORD	8	(0)	
0	(0)	X'20'	0	TCB	"*" - TCBPTR
0	(0)	ADDRESS	4	TCBRBP	- ADDRESS OF THE RB FOR EXECUTING PROGRAM. THIS OFFSET FIXED BY ARCHITECTURE.
4	(4)	ADDRESS	4	TCBPIE	- Address of current PIE/EPIE. This field may be tested for zero to determine that there currently is no SPIE/ESPIE exit established for this task Ownership: RTM Serialization: Local Lock
8	(8)	ADDRESS	4	TCBDEB	- ADDRESS OF THE DEB QUEUE
12	(C)	ADDRESS	4	TCBTIO	- ADDRESS OF THE TASK I/O TABLE (TIOT)
16	(10)	BITSTRING	4	TCBCMP(0)	- TASK COMPLETION CODE AND INDICATORS
16	(10)	BITSTRING	1	TCBCMPF	- INDICATOR FLAGS
		1...		TCBCREQ	"X'80'" - A DUMP HAS BEEN REQUESTED
		.1..		TCBCSTEP	"X'40'" - A STEP ABEND HAS BEEN REQUESTED
		..1.		TCBCPP	"X'20'" - SOME PROBLEM PROGRAM STORAGE WAS OVERLAID BY THE SECOND LOAD OF ABEND. A FIRST LOAD OVERLAY IS INDICATED IN TCBFLGS FIELD (OFFSET 29 DECIMAL). (OS/VS1)
		..1.		TCBDMPO	"X'20'" - DUMP OPTIONS WERE PROVIDED ON CALLRTM OR SETRP MACRO

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		TCBSTCC	"X'10'" - COMPLETION CODE IS NOT TO BE STORED IN TCBCMPC (OFFSET 17 DECIMAL) IF AN ABEND IS ENCOUNTERED. THIS IS TO PREVENT AN OVERLAY OF THE ORIGINAL COMPLETION CODE. (OS/VS1)
		...1		TCBNOCC	"X'10'" - A COMPLETION CODE WAS NOT PROVIDED ON CALLRTM MACRO. A DEFAULT CODE IS BEING USED.
		.... 1...		TCBCDBL	"X'08'" - A DOUBLE ABEND HAS OCCURRED (OS/VS1)
		.... 1...		TCBCASID	"X'08'" - ABEND WAS SCHEDULED VIA CROSS MEMORY ABTERM
		.... .1..		TCBCWTO	"X'04'" - A DUMP MESSAGE (WTO) IS TO BE ISSUED TO THE OPERATOR (OS/VS1)
		.... .1..		TCBRV316	"X'04'" - INDICATES REASON CODE (TCBARC) IS VALID
		.... ..1.		TCBCIND	"X'02'" - ABEND TO OUTPUT AN INDICATIVE DUMP (OS/VS1)
		1		TCBCMSG	"X'01'" - AN ABEND MESSAGE IS PROVIDED TO BE PRINTED BY ABDUMP (OS/VS1)
17	(11)	BITSTRING	3	TCBCMPC	- SYSTEM COMPLETION CODE IN FIRST 12 BITS, USER COMPLETION CODE IN LAST 12 BITS
20	(14)	ADDRESS	4	TCBTRN(0)	- ADDRESS OF TESTRAN CONTROL CORE TABLE
20	(14)	BITSTRING	1	TCBABF	- FLAG BYTE
		1...		TCBMOD91	"X'80'" - BOTH TESTRAN AND DECIMAL SIMULATOR ON A MOD 91
		.1..		TCBNOCHK	"X'40'" - SUPPRESS TAKING CHECKPOINTS FOR THIS STEP (JOB STEP TCB)
		..1.		TCBGRPH	"X'20'" - GAM/SP ACTIVE FOR THIS TASK
		...1		TCB_REFRPROT_OVERRIDE	"X'10'" - Even if the REFRPROT option is active, do not apply REFRPROT rules to LOADs under this task.
		.... 1...		TCBTCPP	"X'08'" - TCAM POST-PENDING (RORI)
		.... .1..		TCBTCP	"X'04'" - TEST TASK - USED BY TEST SVC
		.... ..1.		TCBOLTEP	"X'02'" - OLTEP FUNCTIONS REQUIRE CLEANUP BEFORE ABNORMAL TERMINATION CAN BE INVOKED
		1		TCBDFRBP	"X'01'" - Issue SVC 61 upon fetch. Set only when SVC 61 is being intercepted for deferred breakpoint processing
21	(15)	ADDRESS	3	TCBTRNB	- ADDRESS OF TESTRAN CONTROL CORE TABLE
24	(18)	ADDRESS	4	TCBMSS(0)	- ADDRESS OF LAST SPQE ON MSS QUEUE

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
24	(18)	BITSTRING	1		- HIGH ORDER BYTE OF TCBMSS
25	(19)	ADDRESS	3	TCBMSSB	- SAME AS TCBMSS
28	(1C)	BITSTRING	1	TCBPKF	- STORAGE PROTECTION KEY FOR THIS TASK. IF THERE IS NO STORAGE PROTECTION, ALL BITS ARE ZERO.
		1...		TCBPKFU	"X'80'" When on, user key
		1111		TCBFLAG	"X'F0'" - STORAGE PROTECTION KEY
		 1111		TCBZERO	"X'0F'" - MUST BE ZERO
29	(1D)	BITSTRING	5	TCBFLGS(0)	- FLAG BYTE FIELDS
29	(1D)	BITSTRING	1	TCBFLGS1	- FIRST TCB FLAG BYTE
		1...		TCBFA	"X'80'" - May be on when a task is being abnormally terminated. Do NOT use this bit as an indicator in any program. It is not an intended interface. See the TCBEndingAbnormally bit for program use. Also see TCBDYING and TCBENDNG.
		.1..		TCBFE	"X'40'" - On when the system is calling resource managers during abnormal termination.
		..1.		TCBFERA	"X'20'" - ENTER ABEND ERASE ROUTINE WHEN IN CONTROL AGAIN
		...1		TCBNONPR	"X'10'" - TASK IS NON-PREEMPTABLE
		.... 1...		TCBPDUMP	"X'08'" - PREVENT DUMP INDICATOR
		.... .1..		TCBFT	"X'04'" - TOP TASK IN TREE BEING ABTERMED
		.... ..1.		TCBFS	"X'02'" - ABTERM DUMP COMPLETED PROBLEM PROGRAM STORAGE HAS BEEN OVERLAID TO PROCESS ABEND (OS/VS1)
		1		TCBFX	"X'01'" - PROHIBIT QUEUEING OF ASYNCHRONOUS EXITS FOR THIS TASK
30	(1E)	BITSTRING	1	TCBFLGS2	- SECOND FLAG BYTE
		1...		TCBFOINP	"X'80'" - THE TASK IS ABENDING AND IS IN THE PROCESS OF (1) OPEN FOR DUMP DATA SET PROCESSING, (2) CLOSE FOR USER DATA SET OR (3) PURGE FOR ENQ'ED RESOURCES. THIS BIT IS USED IN CONJUNCTION WITH TCBSTACK. ICB374
		.1..		TCBFSTI	"X'40'" - SECOND JOB STEP INTERVAL HAS EXPIRED (INITIATOR TCB)
		..1.		TCBFABOP	"X'20'" - IF 1, THE SYSABEND DUMP DATA SET HAS BEEN OPENED FOR ABEND. IF 0, THE SYSUDUMP DUMP DATA SET WAS OPENED. THIS BIT IS ONLY USED FOR THE JOB STEP TCB AND IS USED IN CONJUNCTION WITH TCBFDSOP BIT. YM0651

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		TCBFSMC	"X'10'" - TASK HAS ISSUED A SYSTEM-MUST-COMPLETE AND SET ALL OTHER TASKS IN THE SYSTEM NONDISPATCHABLE
		.... 1...		TCBFJMC	"X'08'" - TASK HAS ISSUED A STEP-MUST-COMPLETE AND TURNED OFF ALL OTHER TASKS IN THE STEP
		.... .1..		TCBFDSOP	"X'04'" - SYSABEND OPEN FOR JOB STEP
		.... ..1.		TCBFETXR	"X'02'" - ETXR TO BE SCHEDULED
		1		TCBFTS	"X'01'" - THIS TASK IS A MEMBER OF A TIME-SLICED GROUP
31	(1F)	BITSTRING	1	TCBFLGS3	- THIRD FLAG BYTE. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK
		1...		TCBFSM	"X'80'" - ALL PSW'S IN SUPERVISOR STATE
		.1..		TCBRT1S	"X'40'" - RTM1 HAS INVOKED SLIP FOR A TASK IN EUT MODE. RTM2 MAY BYPASS SLIP PROCESSING OWNERSHIP - RTM
		..1.		TCBABTRM	"X'20'" - ABTERM BIT TO PREVENT MULTIPLE ABENDS
		...1		TCBFXSET	"X'10'" - TCBFX WAS SET BY STATUS MCSTEP
		.... .1..		TCBKEY9	"X'04'" - TCB was attached using KEY=NINE and so is to be treated as having a different key than the attacher
		.... ..1.		TCBENQRM	"X'02'" - ENQ/DEQ RESOURCE MANAGER HAS RECEIVED CONTROL. NO FURTHER DIRECTED ENQS ALLOWED. SERIALIZATION - TCBACTIV AND CMSEQDQ CLASS LOCK. OWNERSHIP - GRS.
		1		TCBDWSTA	"X'01'" - THIS TASK WAS DETACHED WITH STAE=YES OPTION ICB315
32	(20)	BITSTRING	1	TCBFLGS4	- NONDISPATCHABILITY FLAGS
		1...		TCBNDUMP	"X'80'" - ABDUMP NONDISPATCHABILITY INDICATOR
		.1..		TCBSER	"X'40'" - SER1 NONDISPATCHABILITY INDICATOR
		..1.		TCBRQENA	"X'20'" - I/O RQE'S EXHAUSTED
		...1		TCBHNDSP	"X'10'" - TASK OR JOB STEP IS MOMENTARILY 'FROZEN' UNTIL THE REQUIRED RESOURCES ARE AVAILABLE. THE BIT IS SET THROUGH THE USE OF THE 'STATUS' SVC ICB453
		.... 1...		TCBUXNDV	"X'08'" - TASK IS TEMPORARILY NONDISPATCHABLE BECAUSE SMF TIME LIMIT OR SYSOUT LIMIT USER EXIT ROUTINE IS BEING EXECUTED FOR THIS STEP

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		TCBRBWF	"X'04'" - TOP RB IS IN WAIT STATE
		1		TCBONDSP	"X'01'" - TASK TERMINATING AND NONDISPATCHABLE BECAUSE EITHER OPEN FOR DUMP DATA SET IS IN PROCESS OR CLOSE BY ABEND IS IN PROCESS
33	(21)	BITSTRING	1	TCBFLGS5	- MORE NONDISPATCHABILITY FLAGS. IF ANY BIT IN THIS BYTE IS 1, THE TASK IS NONDISPATCHABLE.
		1...		TCBFC	"X'80'" - TASK TERMINATED
		.1..		TCBABWF	"X'40'" - ABNORMAL WAIT
		.1..		TCBUXNDF	"X'40'" - TASK IS TEMPORARILY NONDISPATCHABLE BECAUSE SMF TIME LIMIT OR SYSOUT LIMIT USER EXIT ROUTINE IS BEING EXECUTED FOR THIS STEP. THIS BIT IS SET TO 1 IN ALL TCB'S EXCEPT JOB STEP TCB. (OS/VS1) ICB263
		..1.		TCBPAGE	"X'20'" - TASK IS NONDISPATCHABLE DUE TO EXCESSIVE PAGING RATE
		...1		TCBANDSP	"X'10'" - TASK IS TEMPORARILY NONDISPATCHABLE BECAUSE IT WAS ATTACHED UNDER THE DISP=NO OPERAND
		.... 1...		TCBSYS	"X'08'" - ANOTHER TASK IS IN SYSTEM-MUST-COMPLETE STATUS OR A SUMMARY BIT FOR FIELD TCBSYSCT
		.... .1..		TCBSTP	"X'04'" - ANOTHER TASK IN THIS JOB STEP IS IN STEP-MUST-COMPLETE STATUS
		.... ..1.		TCBFCD1	"X'02'" - INITIATOR WAITING FOR REGION
		1		TCBPNDSP	"X'01'" - PRIMARY NONDISPATCHABILITY BIT. THIS BIT IS SET TO 1 IF ANY OF THE SECONDARY NONDISPATCHABILITY BITS (OFFSETS 173, 174, 175, 200 OR 201 DECIMAL) IS SET TO 1. THIS BIT IS SET TO 0 IF A SECONDARY NONDISPATCHABILITY BIT IS SET TO 0 AND ALL OTHER SECONDARY NONDISPATCHABILITY BITS ARE 0.
34	(22)	SIGNED	1	TCBLMP	- TASK LIMIT PRIORITY
35	(23)	SIGNED	1	TCBDSP	- DISPATCHING PRIORITY FOR THIS TASK
36	(24)	ADDRESS	4	TCBLLS	- ADDRESS OF LAST LOAD LIST ELEMENT (LLE) IN LOAD LIST
40	(28)	ADDRESS	4	TCBJLB	- ADDRESS OF A JOBLIB DCB
44	(2C)	ADDRESS	4	TCBJPQ(0)	- ADDRESS OF LAST CDE FOR JOB PACK AREA (JPA) CONTROL QUEUE
44	(2C)	BITSTRING	1	TCBPURGE	- HIGH ORDER BYTE
		1...		TCBJPQF	"X'80'" - JPQ PURGE FLAG

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
45	(2D)	ADDRESS	3	TCBJPQB	- LOW ORDER 24-BITS OF TCBJPQ
48	(30)	CHARACTER	64	TCBGRS(0)	- GENERAL REGISTER SAVE AREA. THIS OFFSET FIXED BY ARCHITECTURE.
48	(30)	SIGNED	4	TCBGRS0	- SAVE AREA FOR GENERAL REGISTER 0
52	(34)	SIGNED	4	TCBGRS1	- SAVE AREA FOR GENERAL REGISTER 1
56	(38)	SIGNED	4	TCBGRS2	- SAVE AREA FOR GENERAL REGISTER 2
60	(3C)	SIGNED	4	TCBGRS3	- SAVE AREA FOR GENERAL REGISTER 3
64	(40)	SIGNED	4	TCBGRS4	- SAVE AREA FOR GENERAL REGISTER 4
68	(44)	SIGNED	4	TCBGRS5	- SAVE AREA FOR GENERAL REGISTER 5
72	(48)	SIGNED	4	TCBGRS6	- SAVE AREA FOR GENERAL REGISTER 6
76	(4C)	SIGNED	4	TCBGRS7	- SAVE AREA FOR GENERAL REGISTER 7
80	(50)	SIGNED	4	TCBGRS8	- SAVE AREA FOR GENERAL REGISTER 8
84	(54)	SIGNED	4	TCBGRS9	- SAVE AREA FOR GENERAL REGISTER 9
88	(58)	SIGNED	4	TCBGRS10	- SAVE AREA FOR GENERAL REGISTER 10
92	(5C)	SIGNED	4	TCBGRS11	- SAVE AREA FOR GENERAL REGISTER 11
96	(60)	SIGNED	4	TCBGRS12	- SAVE AREA FOR GENERAL REGISTER 12
100	(64)	SIGNED	4	TCBGRS13	- SAVE AREA FOR GENERAL REGISTER 13
104	(68)	SIGNED	4	TCBGRS14	- SAVE AREA FOR GENERAL REGISTER 14
108	(6C)	SIGNED	4	TCBGRS15	- SAVE AREA FOR GENERAL REGISTER 15
112	(70)	ADDRESS	4	TCBFSA(0)	- ADDRESS OF THE FIRST PROBLEM PROGRAM SAVE AREA
112	(70)	SIGNED	1		- FIRST BYTE OF TCBFSA
113	(71)	ADDRESS	3	TCBFSAB	- ADDRESS OF THE FIRST PROBLEM PROGRAM SAVE AREA
116	(74)	ADDRESS	4	TCBTCB	- Queue of TCBs in an address space. Note: The queue is not maintained in priority order.
120	(78)	ADDRESS	4	TCBTME	- ADDRESS OF THE TIMER QUEUE ELEMENT (TQE)
		1...		TCBTQET	"X'80'" - IF ZERO, TASK TYPE TQE. IF ONE, REAL/WAIT TYPE TQE.
124	(7C)	ADDRESS	4	TCBJSTCB(0)	- Address of job step TCB for this TCB
124	(7C)	BITSTRING	1		- HIGH ORDER BYTE OF TCBJSTCB
125	(7D)	ADDRESS	3	TCBJSTCA	- LOW ORDER 24 BITS OF TCBJSTCB

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
128	(80)	ADDRESS	4	TCBNTC	- ADDRESS OF THE TCB FOR THE TASK PREVIOUSLY ATTACHED BY THE TASK THAT ATTACHED THIS TASK. FOR EXAMPLE, IF TASK A ATTACHED TASK B AND THEN TASK C, THIS FIELD IN TASK C'S TCB POINTS TO TASK B'S TCB, AND THIS FIELD IN TASK B'S TCB IS ZERO.
132	(84)	ADDRESS	4	TCBOTC	- ADDRESS OF THE TCB FOR THE TASK (THE ORIGINATING TASK) THAT ATTACHED THIS TASK. THIS FIELD IS ZERO IN THE TCB FOR A SYSTEM TASK.
136	(88)	ADDRESS	4	TCBLTC	- ADDRESS OF THE TCB FOR THE TASK LAST ATTACHED BY THIS TASK. NOTE - IF A TASK (THE ORIGINATING TASK) HAS ATTACHED OTHER TASKS, THE TCB'S FOR THE OTHER TASKS ARE ON THE SUBTASK QUEUE OF THE ORIGINATING TASK. TCBLTC IN THE TCB FOR THE ORIGINATING TASK POINTS TO THE LAST TCB (THE TCB FOR THE LAST ATTACHED TASK) IN THE SUBTASK QUEUE. IN EACH TCB ON THE SUBTASK QUEUE, EXCEPT THE FIRST TCB, TCBNTC POINTS TO THE PRECEDING TCB ON THE QUEUE.
140	(8C)	ADDRESS	4	TCBIQE	- ADDRESS OF AN INTERRUPTION QUEUE ELEMENT (IQE) FOR SCHEDULING THE ETXR ROUTINE OF THE TASK THAT ATTACHED THIS TASK.
144	(90)	ADDRESS	4	TCBECB	- ADDRESS OF THE ECB THAT WILL BE POSTED BY THE SUPERVISOR'S TASK TERMINATION ROUTINES WHEN NORMAL OR ABNORMAL TERMINATION OCCURS.
148	(94)	BITSTRING	1	TCBTSFLG	- TIME SHARING FLAGS
		1...		TCBTSTSK	"X'80'" - SWAPPED TIME SHARING TASK (OS/VS1)
		.1..		TCBSTPPR	"X'40'" - TASK SHOULD BE MADE NONDISPATCHABLE VIA TCBSTPP WHEN IT IS NO LONGER RUNNING A PRIVILEGED PROGRAM
		..1.		TCBATT	"X'20'" - TASK SHOULD NOT HAVE ATTENTION EXITS SCHEDULED ON IT BY EXIT EFFECTOR. THIS OFFSET FIXED BY ARCHITECTURE.
		...1		TCBTIOTG	"X'10'" - PURGE TGET/TPUT AFTER ATTENTION
		.... 1...		TCBSMCP	"X'08'" - STATUS MCSTEP PENDING,TASK IS SUSPENDED
		.... ..1.		TCBDYDSP	"X'02'" - M195 TASK IS MEMBER OF DYNAMIC DISPATCHING GROUP ICB262

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		TCBCPUBN	"X'01'" - FOR M195, ZERO MEANS I/O BOUND AND ONE MEANS CPU BOUND ICB262
149	(95)	SIGNED	1	TCBSTPCT	- NUMBER OF SETTASK STARTS WHICH MUST BE ISSUED BEFORE TASK IS MADE DISPATCHABLE - FIELD NOT RESTRICTED TO TSO
150	(96)	SIGNED	1	TCBTSLP	- LIMIT PRIORITY OF TIME SHARING TASK
151	(97)	BITSTRING	1	TCBTSDP	- DISPATCHING PRIORITY OF TIME SHARING TASK
152	(98)	ADDRESS	4	TCBRD	POINTER TO DPQE MINUS 8 FOR THE JOB STEP SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
152	(98)	X'B8'	0	TCBPQE	"TCBRD" SAME AS TCBRD
156	(9C)	ADDRESS	4	TCBAE	LIST ORIGIN OF AQE(S) FOR THIS TASK SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
156	(9C)	X'BC'	0	TCBAQE	"TCBAE" SAME AS TCBAE
160	(A0)	ADDRESS	4	TCBSTAB(0)	- ADDRESS OF THE CURRENT STAE CONTROL BLOCK
160	(A0)	BITSTRING	1	TCBNSTAE	- FLAGS INTERNAL TO STAE ROUTINE
		1...		TCBSTABE	"X'80'" - ABEND ENTERED BECAUSE OF ERROR IN STAE PROCESSING
		.1..		TCBQUIES	"X'40'" - STAE INVOKED PURGE I/O ROUTINE WITH QUIESCE I/O OPTION
		..1.		TCB33E	"X'20'" - A 33E ABEND HAS OCCURRED FOR TASK
		...1		TCBPPSUP	"X'10'" - 1=SUPERVISOR MODE,0=PROBLEM PROGRAM MODE INDICATOR TO SYNCH OF THE MODE OF THE USER EXIT
		.... 1...		TCBHALT	"X'08'" - PURGE I/O ROUTINE DID NOT SUCCESSFULLY QUIESCE I/O, BUT I/O WAS HALTED
		.... .1..		TCBSYNCH	"X'04'" - SYNCH ISSUED BY ASIR TO SCHEDULE EXIT ROUTINE
		1		TCBSTCUR	"X'01'" - STAE RECURSION VALID ICB443
161	(A1)	ADDRESS	3	TCBSTABB	- ADDRESS OF THE CURRENT STAE CONTROL BLOCK
164	(A4)	ADDRESS	4	TCBTCT(0)	- ADDRESS OF THE TIMING CONTROL TABLE (TCT) IF SYSTEM MANAGEMENT FACILITIES (SMF) DATA IS BEING COLLECTED FOR THE TASK. ZERO IF SMF DATA IS NOT BEING COLLECTED FOR THE TASK. SERIALIZATION: LOCAL LOCK.
164	(A4)	BITSTRING	1	TCBTCTGF	- FLAG BYTE FOR TIMING CONTROL TABLE ICB318
		1...		TCBSMFGF	"X'80'" - IF ZERO, THE TCT CORE TABLE IS NOT TO BE UPDATED BY GETMAIN/FREEMAIN. IF ONE, THE TCT CORE TABLE IS TO BE UPDATED BY GETMAIN/FREEMAIN. ICB318

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
165	(A5)	ADDRESS	3	TCBTCTB	- ADDRESS OF THE TIMING CONTROL TABLE (TCT) IF SYSTEM MANAGEMENT FACILITIES (SMF) DATA IS BEING COLLECTED FOR THE TASK. ZERO IF SMF DATA IS NOT BEING COLLECTED FOR THE TASK OR FOR OS/VS1, IF SMF IS NOT IN THE SYSTEM.
168	(A8)	ADDRESS	4	TCBUSER	- A WORD AVAILABLE TO THE USER
172	(AC)	BITSTRING	4	TCBSCNDY(0)	- SECONDARY NONDISPATCHABILITY BITS. IF ANY BIT IN THE FOLLOWING FOUR BYTES IS 1, THE PRIMARY NONDISPATCHABILITY BIT (OFFSET 33.7 DECIMAL) IS 1, AND THE TASK IS NONDISPATCHABLE.
172	(AC)	BITSTRING	4	TCBNDSP(0)	- SAME AS TCBSCNDY
172	(AC)	BITSTRING	1	TCBNDSP0	- BYTE 0
		1		TCBNDJL	"X'01'" Join/Leave processing
173	(AD)	BITSTRING	1	TCBNDSP1	- BYTE 1
		1...		TCBDARTN	"X'80'" - THE TASK IS TEMPORARILY NONDISPATCHABLE - DAMAGE ASSESSMENT ROUTINE (DAR)
173	(AD)	X'80'	0	TNONDISP	"TCBDARTN" * ALIAS *
		.1..		TCBDARPN	"X'40'" - THE TASK IS PERMANENTLY NONDISPATCHABLE - DAMAGE ASSESSMENT ROUTINE (DAR)
173	(AD)	X'40'	0	PNONDISP	"TCBDARPN" * ALIAS *
		..1.		TCBRSTND	"X'20'" - THE TASK IS TEMPORARILY NONDISPATCHABLE - RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR RECOVERY (RMS/SER)
		...1		TCBRSPND	"X'10'" - THE TASK IS PERMANENTLY NONDISPATCHABLE - RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR RECOVERY (RMS/SER) (IF THIS BIT IS ON THEN THE PREVIOUS BIT MUST BE ON TOO)
		.... 1...		TCBDDRND	"X'08'" - THE TASK IS IN DEVICE ALLOCATION AND DYNAMIC DEVICE RECONFIGURATION (DDR) HAS MADE IT NONDISPATCHABLE - RECOVERY MANAGEMENT SUPPORT AND SYSTEM ERROR RECOVERY (RMS/SER) (OS/VS1)
		.... .1..		TCBTPSP	"X'04'" - DISPATCHING OF TCAM TASK MUST BE DELAYED UNTIL TCAM I/O APPENDAGE OR SVC ROUTINE HAS COMPLETED EXECUTION (TCAM IN MULTIPROCESSING ENVIRONMENT)
		.... ..1.		TCBPIEND	"X'02'" - SRB IS TO BE SCHEDULED TO PERFORM PIE/PICA PROCESSING (FIRST LEVEL INTERRUPT HANDLER)
		1		TCBABTIN	"X'01'" - THE TASK IS TEMPORARILY NONDISPATCHABLE WHILE BEING SET UP FOR ABTERM
174	(AE)	BITSTRING	1	TCBNDSP2	- BYTE 2

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		TCBABD	"X'80'" - ABDUMP IS PROCESSING (OS/VS1)
		.1..		TCBSTPP	"X'40'" - TASK SET NONDISPATCHABLE BY SETTASK
		..1.		TCBNDSVC	"X'20'" - TASK IS NONDISPATCHABLE BECAUSE SVC DUMP IS EXECUTING FOR ANOTHER TASK
		...1		TCBNDTS	"X'10'" - TASK IS NONDISPATCHABLE BECAUSE IT IS BEING SWAPPED OUT
		.... 1...		TCBIWAIT	"X'08'" - TASK IS NONDISPATCHABLE DUE TO AN INPUT WAIT
		.... .1..		TCBOWAIT	"X'04'" - TASK IS NONDISPATCHABLE DUE TO AN OUTPUT WAIT
		.... ..1.		TCBDSS	"X'02'" - DYNAMIC SUPPORT SYSTEM (DSS) HAS SET THIS TASK NONDISPATCHABLE ICB313
		1		TCBABE	"X'01'" - ABEND ROUTINE WAS ENTERED FOR THIS TASK WHILE THE DCB FOR SYSABEND (OR SYSUDUMP) DATA SET WAS BEING OPENED FOR ANOTHER TASK (OS/VS1)
175	(AF)	BITSTRING	1	TCBNDSP3	- BYTE 3
		1...		TCBLJSND	"X'80'" - TASK IS ABENDING AND NONDISPATCHABLE BECAUSE IT HAS A JOB STEP SUBTASK. TCBONDSP MUST ALSO BE ON.
		.1..		TCBNDNYI	"X'40'" - RCT TASK IS NONDISPATCHABLE BECAUSE ADDRESS SPACE IS NOT YET INITIALIZED FULLY
		..1.		TCBSRBND	"X'20'" - TCB NONDISPATCHABLE BECAUSE SRB'S ARE STOPPED
		...1		TCBSLPER	"X'10'" - SET NONDISPATCHABLE SO THAT SLIP/PER CAN ALTER RB PSW PER BIT
		.... 1...		TCBS3MR	"X'08'" - STAGE 3 EXIT EFFECTOR MUST RUN TO SYNCHRONIZE ATTENTION INTERRUPT
		.... .1..		TCBAREQ	"X'04'" - TSO AUTHORIZED REQUEST PROCESSING ACTIVE
		.... ..1.		TCBNDSMF	"X'02'" - Indicates task is stopped because its CPU or continuous wait time has been exceeded. SMF determines whether to grant extension or abend task. Ownership: SMF.
		1		TCBNDINT	"X'01'" - INITIATOR SETS THIS BIT TO PREVENT JOB STEP EXECUTION IN ORDER TO DO CANCEL PROCESSING (CAN CANCEL LOOP)

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
176	(B0)	SIGNED	4	TCBMDIDS	- RESERVED FOR MODEL-DEPENDENT SUPPORT AND FOR IBM PROPRIETARY PROGRAMMING SUPPORT ICBXXX
180	(B4)	ADDRESS	4	TCBJSCB(0)	- ADDRESS OF THE JOB STEP CONTROL BLOCK
180	(B4)	BITSTRING	1	TCBRECDE	- ABEND RECURSION BYTE ICB456
		1...		TCBREC	"X'80'" - VALID REENTRY TO ABEND IF NON-ZERO VALUE IN FOLLOWING 7 BITS ICB456
		1		TCBOPEN	"X'01'" - OPEN DUMP DATA SET ICB456
		.... ..1.		TCBCLOSD	"X'02'" - CLOSE DIRECT SYSOUT ON TAPE ICB456
		11		TCBCLOSE	"X'03'" - CLOSE OPEN DATA SETS ICB456
		.... .1..		TCBCLOSF	"X'04'" - RESERVED. ICB456
		.... .1.1		TCBGREC	"X'05'" - GRAPHICS ICB456
		.... .111		TCBADUMP	"X'07'" - ABDUMP ICB456
		.... 1...		TCBPTAXE	"X'08'" - PURGE TAXE ICB456
		.... 1..1		TCBMESG	"X'09'" - MESSAGE RECURSION ICB456
		.... 1.1.		TCBDYNAM	"X'0A'" - DD-DYNAM TIOT CLEANUP ICB456
		.... 1.11		TCBDAMSG	"X'0B'" - ABEND IS ISSUING A WTOR ASKING WHETHER THE JOB STEP TASK SHOULD WAIT FOR THE DUMP AREA (OS/VS1)
		.... 11..		TCBQTIP	"X'0C'" - PURGE TSO INTERPARTITION POSTS ICB456
		.... 11.1		TCBTCAMP	"X'0D'" - PURGE TCAM INTERPARTITION POSTS ICB456
		.... 111.		TCBINDRC	"X'0E'" - INDICATIVE DUMP (LOAD 8 OF ABEND) HAS ABENDED. ABEND WILL HANDLE THIS ABEND. (OS/VS1)
		 1111		TCBSAVCD	"X'0F'" - ASIR RECURSION. SAVE OLD COMPLETION CODE ICB456
		...1		TCBTYP1W	"X'10'" - TYPE 1 MESSAGE WRITE TO PROGRAMMER ICB456
		..1.		TCBWTPSE	"X'20'" - WRITE-TO-PROGRAMMER (WTP) FAILED. JOB STEP TIMER EXPIRED DURING JOB STEP ABEND AND THE STAE EXIT IS DENIED. (OS/VS1)
		..1. ...1		TCBVTAM1	"X'21'" - ABEND IS ENTERING FIRST VTAM INTERFACE, ISTRAAA1, FOR TERMINATION OF TASK OR SUBTASK (OS/VS1)
		..1. ..1.		TCBVTAM2	"X'22'" - ABEND IS ENTERING SECOND VTAM INTERFACE, ISTRAAA2, BECAUSE ISTRAAA1 ABENDED (OS/VS1)
		..1. ..11		TCBVTAM3	"X'23'" - ABEND IS ENTERING FIRST VTAM INTERFACE, ISTRAAA0, BECAUSE VTAM ABENDED (OS/VS1)

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1. .1..		TCBVTAM4	"X'24'" - ABEND IS ENTERING SECOND VTAM INTERFACE, ISTRAAA2, BECAUSE ISTRAAA0 ABENDED (OS/VS1)
		..11		TCBNOSTA	"X'30'" - STAE/STAI NOT TO BE HONORED ICB456
		..11 ...1		TCBSTRET	"X'31'" - RETURN FROM DUMP PROCESSING ICB456
		..11 ..1.		TCBCONVR	"X'32'" - CONVERT TO STEP ABEND ICB456
		..11 ..11		TCBDARET	"X'33'" - RETURN FROM DAMAGE ASSESSMENT ROUTINES ICB456
		..11 .1..		TCBTYP1R	"X'34'" - RETURN FROM TYPE 1 MESSAGE MODULE ICB456
		..11 .1.1		TCBNEWRB	"X'35'" - ABEND ISSUED SVC 13 TO TRANSFER CONTROL (XCTL) TO A NON-ABEND MODULE ICB456
		.1..		TCBMCCNS	"X'40'" - A MUST COMPLETE TASK HAS ABNORMALLY TERMINATED WITHOUT ENOUGH STORAGE FOR 2 RB'S FOR A WTOR ASKING WHETHER THE TASK'S RESOURCES ARE CRITICAL. THE RESOURCES ARE ASSUMED TO BE CRITICAL, AND THE PARTITION IS MARKED PERMANENTLY NONDISPATCHABLE. (OS/VS1) ICB492
181	(B5)	ADDRESS	3	TCBJSCBB	- ADDRESS OF THE JOB STEP CONTROL BLOCK
184	(B8)	ADDRESS	4	TCBSSAT	- ADDRESS OF THE SUBSYSTEM AFFINITY TABLE (SSAT). SERIALIZATION - TCBACTIV. OWNERSHIP - TASK MANAGEMENT.
188	(BC)	ADDRESS	4	TCBIOBRC	- ADDRESS OF IOB RESTORE CHAIN FOR I/O QUIESCED BY EOT YM2840
192	(C0)	ADDRESS	4	TCBEXCPD	- ADDRESS OF EXCP DEBUG AREA YM4297
196	(C4)	ADDRESS	4	TCBEXT1(0)	- ADDRESS OF OS-OS/VS COMMON TCB EXTENSION ICB311
196	(C4)	BITSTRING	1		- RESERVED.
197	(C5)	ADDRESS	3	TCBEXT1A	- ADDRESS OF OS-OS/VS COMMON TCB EXTENSION ICB311
		OS/VS1 - OS/VS2 COMMON SECTION			
200	(C8)	BITSTRING	4	TCBBITS(0)	- FLAG BYTES. IF A BIT IN THE FOLLOWING TWO BYTES IS SET TO 1, THE PRIMARY NONDISPATCHABILITY BIT (OFFSET 33.7 DECIMAL) IS SET TO 1, AND THE TASK IS NONDISPATCHABLE.
200	(C8)	BITSTRING	1	TCBNDSP4	- SECONDARY NONDISPATCHABILITY FLAGS COMMON TO OS/VS1 AND OS/VS2. COORDINATED WITH PRIMARY NONDISPATCHABILITY FLAG TCBPNDSP. THIS BYTE IS NOT CURRENTLY SUPPORTED BY OS/VS2.

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
201	(C9)	BITSTRING	1	TCBNDSP5	- SECONDARY NONDISPATCHABILITY FLAGS UNIQUE TO OS/VS1 OR OS/VS2. COORDINATED WITH PRIMARY NONDISPATCHABILITY FLAG TCBPNDSP. THIS BYTE IS NOT CURRENTLY SUPPORTED BY OS/VS2.
202	(CA)	BITSTRING	1	TCBFLGS6	- TASK-RELATED FLAGS
		1...		TCBRV	"X'80'" - THE PARTITION IS FIXED IN REAL STORAGE. VIRTUAL ADDRESSES ARE EQUAL TO REAL ADDRESSES.
		.1..		TCBPIE17	"X'40'" - PAGE FAULT INTERRUPT IS TO BE PASSED TO THE TASK'S INTERRUPT EXIT AND AN 8-BYTE PICA IS IN EFFECT FOR THIS TASK ICB339
		..1.		TCBCPU	"X'20'" - TASK IS CPU-BOUND MEMBER OF AUTOMATIC PRIORITY GROUP (APG)
		...1		TCBSPVLK	"X'10'" - TASK SCHEDULED FOR ABTERM WHILE OWNING SUPERVISOR LOCK
		.... 1...		TCBHCRM	"X'08'" - Health Checker has established a task term resmgr for this task
		.... .1..		TCBMIGR	"X'04'" - REGION SELECTED FOR MIGRATION FROM PRIMARY PAGING DEVICE
		.... ..1.		TCBAPG	"X'02'" - TASK IS IN AUTOMATIC PRIORITY GROUP (APG)
		1		TCBNTJS	"X'01'" - JOB STEP TASK BUT NOT HIGHEST IN FAILING TREE
203	(CB)	BITSTRING	1	TCBFLGS7	- TASK-RELATED FLAGS
		1...		TCBGPECB	"X'80'" - TASK IS IN AN ECB WAIT FOR A GETPART ICB339
		.1..		TCBSENVP	"X'40'" -
		..1.		TCBSVCSP	"X'20'" - IF 1, SVC SCREENING IS TO BE PROPAGATED TO SUBTASKS
		...1		TCBSTACK	"X'10'" - SET IN JOB STEP TCB TO INDICATE THAT A TASK IN THE JOB STEP IS IN SERIAL ABEND PROCESSING. USED IN CONJUNCTION WITH TCBFOINP. ICB374
		.... 1...		TCBSVCS	"X'08'" - IF 1, SVC SCREENING IS REQUIRED FOR THE TASK. THIS OFFSET FIXED BY ARCHITECTURE.
		.... .1..		TCBRSTSK	"X'04'" - RESIDENT SYSTEM TASK
		.... ..1.		TCBADMP	"X'02'" - ALL OTHER TASKS IN JOB STEP HAVE BEEN SET NONDISPATCHABLE BY ABDUMP. THIS BIT IS SET TO CONTROL JOB STEP DURING THE DUMPING PROCESS.

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		TCBGTOFM	"X'01'" - GENERALIZED TRACE FACILITY (GTF) TRACING HAS BEEN TEMPORARILY DISABLED UNDER THIS TASK ICB402
204	(CC)	BITSTRING	1	TCBDAR	- DAMAGE ASSESSMENT ROUTINE (DAR) FLAGS
		1...		TCBDARP	"X'80'" - PRIMARY DAR RECURSION. DAR HAS BEEN ENTERED FOR THIS TASK.
		.1..		TCBDARS	"X'40'" - SECONDARY DAR RECURSION. IF DAR IS REENTERED, THIS TASK WILL BE SET NONDISPATCHABLE.
		..1.		TCBDARD	"X'20'" - A DUMP HAS BEEN REQUESTED FOR A WRITER OR SCHEDULER ABEND, AND THE USER HAS PROVIDED NO SYSABEND DD CARD (OS/VS1)
		...1		TCBDARC	"X'10'" - RECURSION PERMITTED IN CLOSE - AFTER DAR PROCESSING COMPLETED (PCP)
		...1		TCBDARMC	"X'10'" - DAR HAS BEEN ENTERED TO HANDLE A VALID RECURSION IN MUST-COMPLETE STATUS THROUGH ABEND ICB264
		.... 1...		TCBDARO	"X'08'" - SYSTEM ERROR TASK IS FAILING. DAR DUMP SHOULD NOT REQUEST ANY ERROR RECOVERY PROCEDURE (ERP) PROCESSING.
		.... .1..		TCBDARWT	"X'04'" - A WTO OPERATION WITH A 'REINSTATEMENT FAILURE' MESSAGE IS IN PROCESS FOR DAR ICB264
		.... ..1.		TCBDARMS	"X'02'" - WTO OPERATION WITH A 'DAR IN PROGRESS' MESSAGE IS IN PROCESS FOR DAR (OS/VS1)
		1		TCBEXSVC	"X'01'" - THE DUMP SVC ROUTINE IS EXECUTING FOR THIS TASK
205	(CD)	BITSTRING	1	TCBRSV37	- RESERVED FOR USER
206	(CE)	SIGNED	1	TCBSYSCT	- NUMBER OF OUTSTANDING SYSTEM-MUST-COMPLETE REQUESTS (ICB497) YM3883
207	(CF)	SIGNED	1	TCBSTMCT	- NUMBER OF OUTSTANDING STEP-MUST-COMPLETE REQUESTS (ICB497) YM3883
208	(D0)	ADDRESS	4	TCBEXT2(0)	- ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION ICB311
208	(D0)	BITSTRING	1		- FIRST BYTE OF TCBEXT2
209	(D1)	ADDRESS	3	TCBEXT2A	- ADDRESS OF OS/VS1 - OS/VS2 COMMON EXTENSION ICB311
		OS/VS2 TCB OVERLAY			
212	(D4)	SIGNED	4	TCBR0D4	- Reserved
216	(D8)	ADDRESS	4	TCBXSB	- ADDRESS OF CURRENT XSB FOR TASK. SERIALIZATION - TCBACTIV. OWNERSHIP - SUPERVISOR.

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
220	(DC)	ADDRESS	4	TCBBACK	- ADDRESS OF PREVIOUS TCB ON READY QUEUE. ZERO IN TOP TCB.
224	(E0)	ADDRESS	4	TCBRTWA	- POINTER TO CURRENT RTM2 WORK AREA
228	(E4)	ADDRESS	4	TCBNSSP	- NORMAL STACK SAVE AREA POINTER. SERIALIZATION - TCBACTIV. OWNERSHIP - SUPERVISOR.
		1...		TCBNSSQA	"X'80'" - NORMAL STACK SAVED IN SQA INDICATOR.
232	(E8)	ADDRESS	4	TCBXLAS	- ASCB ADDRESS OF THE CML LOCK HELD WHILE TCB SUSPENDED OR INTERRUPTED. SERIALIZATION - TCBACTIV. OWNERSHIP - SUPERVISOR.
236	(EC)	CHARACTER	1	TCBABCUR	- ABEND RECURSION BYTE
237	(ED)	SIGNED	1	TCBFJMCT	- NUMBER OF OUTSTANDING STEP-MUST-COMPLETE REQUESTS ISSUED BY THE TASK
238	(EE)	CHARACTER	1	TCBTID	- The task identifier as specified on the TID parameter of ATTACH or ATTACHX. The following task identifiers are for internal use only:
238	(EE)	X'FF'	0	TCBPAGID	"255" - ID FOR PAGING SUPERVISOR TASK ICB403
238	(EE)	X'FE'	0	TCBSYERR	"254" - ID FOR SYSTEM ERROR TASK ICB403
238	(EE)	X'FD'	0	TCBCOMM	"253" - ID FOR COMMUNCIATIONS TASK ICB403
238	(EE)	X'FC'	0	TCBIORMS	"252" - ID FOR I/O RMS TASK ICB403
238	(EE)	X'FB'	0	TCBMASTR	"251" - ID FOR MASTER SCHEDULER TASK ICB403
238	(EE)	X'FA'	0	TCBJES	"250" - ID FOR JOB ENTRY SUBSYSTEM (JES) MONITOR TASK ICB403
238	(EE)	X'F9'	0	TCBDSSID	"249" - ID FOR DYNAMIC SUPPORT SYSTEM (DSS) TASK ICB403
238	(EE)	X'F8'	0	TCBLOGID	"248" - ID FOR SYSTEM LOG TASK
239	(EF)	BITSTRING	1	TCBFLGS8	- GUPI FLAG BYTE FIELD SERIALIZATION - TCBACTIV (Must be running under this TCB when updating this field.)

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		TCBDYING	"X'80'" - If on, indicates that this TCB will be terminating (normally or abnormally) and its mainline processing will not be allowed to run again. Also see the TCBENDNG bit. TCBDYING is set when any of the following occur: - the TCB is terminating normally - before Estae-type recovery routines receive control for Cancel and Detach (not including Detach with STAE) abends - after all recovery routines have percolated for retriable abends Ownership - RTM.
		.1..		TCBNOIRB	"X'40'" - If on, IRBs will not be queued to this TCB. A program setting this flag MUST save its current value and restore that value either when that program can tolerate IRBs being queued or before the current RB terminates.
		..1.		TCBJTCBA	"X'20'" - If on, this is the attach of the JSTCB by the initiator
		...1		TCBSDNDX	"X'10'" - If on, this task is exempt from being set non-dispatchable for SDUMP by STATUS
		.... 1...		TCBENDNG	"X'08'" - If on, indicates that this TCB will be terminating (normally or abnormally) and its mainline processing will not be allowed to run again. The key difference between TCBENDNG and TCBDYING is that TCBENDNG is set before all types of recovery routine if they will not be allowed to retry. TCBDYING is not set before FRRs and is set before Estae-type recovery routines only for Cancel and Detach abends. TCBENDNG is set when any of the following occur: - The TCB is terminating normally - before recovery routines (including FRRs) receive control for all non-retriable abends including Cancel, Detach, Detach with STAE, and RETRY=NO abterms - after all recovery routines have percolated for retriable abends Ownership - RTM.

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		TCBENDINGABNORMALLY	"X'04'" - If On, indicates that this TCB is abnormally terminating or (if the task has ended) has abnormally terminated. This bit is a direct intended interface replacement for TCBFA. TCBEndingAbnormally is set when RTM detects that a task will terminate abnormally and its mainline will not be allowed to run again in the following situations: - before Estae-type recovery (not FRRs) receives control for all non-retriable abends including Cancel, Detach, Detach with STAE, and RETRY=NO abterms - after all recovery routines have percolated for retriable abends - in all subtasks before TERM=YES Estae-type recovery is invoked for a Cancel or Detach abend of the current task If the task has ended, TCBEndingAbnormally can be used to determine whether STCBCMP contains an ABEND code or the contents of GPR 15 when the last program returned to the system. Ownership - RTM.
240	(F0)	SIGNED	4	TCBXSCT(0)	- DISPATCHER INTERSECT CONTROL WORD
240	(F0)	BITSTRING	1	TCBXSCT1	- FLAG BYTE
		1...		TCBACTIV	"X'80'" - BIT ON MEANS THIS TCB IS CURRENTLY ACTIVE ON A CPU. USED TO SYNCHRONIZE SOME STATUS SAVING AND DISPATCHABILITY INDICATORS WHEN ACTIVE OR NOT UNDER THE LOCAL LOCK.
		.1..		TCBS3A	"X'40'" - STAGE 3 EXIT EFFECTOR/RESUME/TCTL INTERSECT FLAG
		..1.		TCBLLREQ	"X'20'" - TASK REQUESTED LOCAL LOCK
		.... 1...		TCBTDORM	"X'08'" - Turned on to detect dormant Tasks by Parallel Detach processing. Turned off by the Dispatcher during Task dispatch
241	(F1)	BITSTRING	1	TCBXSCT2	- FLAG BYTE
		1...		TCBCMLF	"X'80'" - CML RESOURCE MANAGER PROCESSING COMPLETE FOR THIS CML LOCK HOLDER.

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		TCBLLNEW	"X'40'" - Lock Manager has given this task the local lock, but its status is in the TCB, not the IHSA. SERIALIZATION: TCBACTIV OWNERSHIP: Task Management
242	(F2)	SIGNED	2	TCBCCPVI	- ID OF THE CURRENT CPU RUNNING THIS TASK. USED FOR RECOVERY AND CPU AFFINITY.
244	(F4)	ADDRESS	4	TCBFOE(0)	- ADDRESS OF FIRST FIX OWNERSHIP ELEMENT (FOE) IN LIST FOR THIS TASK ICB339
244	(F4)	BITSTRING	1		- RESERVED.
245	(F5)	ADDRESS	3	TCBFOEA	- ADDRESS OF FIRST FIX OWNERSHIP ELEMENT (FOE) IN LIST FOR THIS TASK ICB339
248	(F8)	ADDRESS	4	TCBSWA	- ADDRESS OF FIRST SCHEDULER WORK AREA (SWA) SPQE ON SWA SPQE CHAIN
252	(FC)	ADDRESS	4	TCBSTAWA	- ESTAE ROUTINE WORK AREA POINTER
256	(100)	CHARACTER	4	TCBTCBID	- CONTAINS BLOCK ID - 'TCB '
260	(104)	ADDRESS	4	TCBRTM12	- POINTER TO PARAMETER AREAS PASSED FROM RTM1 TO RTM2
264	(108)	BITSTRING	4	TCBESTAE(0)	- AREA TO CONTAIN RECOVERY DATA FOR RTM
264	(108)	CHARACTER	1	TCBSCBKY	- KEY IN WHICH SYNCH IS TO PASS CONTROL TO THE USER EXIT
265	(109)	BITSTRING	1	TCBESTRM	- ESTAE TERM OPTIONS
		1...		TCBETERM	"X'80'" - ESTAE EXIT ENTERED WITH TERM OPTION
		.1..		TCBSTAFX	"X'40'" - SERIALIZED BY TCB ACTIVE
266	(10A)	SIGNED	1	TCBERTYP	- TYPE OF ERROR CAUSING ENTRY TO THE RTM. SET BY RTM1.
267	(10B)	SIGNED	1	TCBMODE	- MASK INDICATING MODE OF SYSTEM AT TIME OF ERROR. SEE IHART1W/MODE FOR INDIVIDUAL BIT DEFINITIONS.
268	(10C)	ADDRESS	4	TCBUKYSP	- ADDRESS OF SPQE'S FOR SUBPOOLS 229 AND 230 (USER KEY STORAGE IN THE PRIVATE AREA)
272	(110)	BITSTRING	2	TCBPROPF(0)	- Flags propagated
272	(110)	BITSTRING	1	TCBPROP0	- Byte 0 of TCBPROPF
		1...		TCBBITCB	"X'80'" - This task is "below" the initiator TCB
273	(111)	BITSTRING	1	TCBPROP1	- Byte 1 of TCBPROPF
274	(112)	BITSTRING	2	TCBAFFN	- CPU AFFINITY INDICATOR
276	(114)	BITSTRING	1	TCBFBYT1	- FLAG BYTE. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		TCBEOTFM	"X'80'" - END OF TASK FLAG FOR FREEMAIN. SET TO 1 BY TASK TERMINATION AT START OF TERMINATION PROCESSING AND RESET TO 0 AT FINISH. INDICATES THAT A FREEMAIN ON A BLOCK OF LOCAL STORAGE THAT IS STILL FIXED BY RSM SHOULD RESULT IN A RETURN CODE OF 8 RATHER THAN ABNORMAL TERMINATION.
		.1..		TCBRTM1E	"X'40'" - RTM1 IS CURRENTLY PROCESSING EUT FRR'S FOR THIS TASK
		..1.		TCBNDIOS	"X'20'" - TASK HAS BEEN SET NONDISPATCHABLE VIA STATUSND WHILE SVC 16 (PURGE) SCANS THE RB CHAIN PURGING APPENDAGE-SCHEDULED ASYNCHRONOUS EXIT ROUTINES RUNNING UNDER AN IRB/RQE OR NON-RESIDENT ERP'S RUNNING UNDER THE SIRB.
		...1		TCBPGNLY	"X'10'" - SET BY RTM2 TO INDICATE ONLY PURGE PHASE TO BE PERFORMED
		.... 1...		TCBRTM2	"X'08'" - SET BY RTM2 TO INDICATE RTM2 HAS BEEN ENTERED FOR THIS TASK
		.... .1..		TCBEOT	"X'04'" - SET BY RTM2 TO INDICATE TO EXIT THAT END OF TASK PROCESSING IS COMPLETE
		.... ..1.		TCBSATTN	"X'02'" - SYNCHRONIZATION OF ATTENTION INTERRUPT REQUIRED BY EXIT PROLOG
		1		TCBLLH	"X'01'" - Task was interrupted holding the local lock.
277	(115)	BITSTRING	1	TCBFBYT2	- FLAG BYTE. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK
		1...		TCBCNCB	"X'80'" - SET BY RTM2 IN THE JOB STEP TCB WHEN IT HAS BEEN ENTERED ON THE TCB FOR AN X22 ABEND
		.1..		TCBFMW	"X'40'" - MOTHER WAITING FLAG. TURNED ON IN A SUBTASK IN RTM2 PROCESSING WHEN AN ANCESTOR TASK IS WAITING TO ABEND IT.
		..1.		TCBFDW	"X'20'" - Set by RTM2 to ensure that only one daughter task will terminate its jobstep task. No longer means 'daughter waiting'
		...1		TCBFPRAP	"X'10'" - SET BY RTM2 TO PREVENT PERCOLATION TO THE TASK OF AN ASYNCHRONOUS ABEND
		.... 1...		TCBRT1NR	"X'08'" - IF 1, ERROR PROPAGATED FROM RTM1 IS NON-RETRYABLE

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		TCBECBNV	"X'04'" - IF 1, ECB POINTED TO BY TCBECB IS NOT TO BE VALIDITY CHECKED. IF 0, ECB POINTED TO BY TCBECB IS TO BE VALIDITY CHECKED.
		.... ..1.		TCBSSPC	"X'02'" - STATUS STOP PENDING,TASK HOLDS A CML LOCK OR IS IN FUNCTION MUST COMPLETE MODE.
		1		TCBRTM1C	"X'01'" - A TASK WITH EUT FRRS HAS BEEN CANCELLED. THIS FLAG PASSES THE CANCEL REQUEST FROM RTM1 TO RTM2.
278	(116)	BITSTRING	1	TCBFBYT3	- FLAG BYTE
		1...		TCBEXP	"X'80'" - EXPANDED VERSION OF THE TCB
		.1..		TCBNCTL	"X'40'" - IF 1, INDICATES USER PROGRAM IS LOADED UNDER THIS TASK OR A LOWER TASK. OWNERSHIP: RACF
		..1.		TCBRTMDE	"X'20'" - DETACH HAS BEEN CALLED BY RTM
		...1		TCBMTDP	"X'10'" - MEMTERM SDUMP
279	(117)	BITSTRING	1	TCBFBYT4	- FLAG BYTE. SERIALIZATION: TCBACTIV.
		1...		TCBPMC	"X'80'" - IF 1, INDICATES TASK IS IN PROCESS MUST COMPLETE MODE.
		.1..		TCBNOJLB	"X'40'" - If 1, indicates that TCBJLB is not to be used
		..1.		TCBATSKL	"X'20'" - If 1, this task's TASKLIB was provided by an authorized attacher
		.... 1...		TCB_KEEP_LS_EXTENT_VALID	"X'08'" - If 1, do not unchain and page release a LSS during a Stack Empty (PIC31) exception Ownership: Supervisor
280	(118)	ADDRESS	4	TCBRPT	- ADDRESS OF RADIX PARTITION TREE FOR LOCAL STORAGE MANAGEMENT
284	(11C)	ADDRESS	4	TCBVAT	- ADDRESS OF THE VAT (VSAM). THERE IS ONE VAT PER JOB STEP TCB.
288	(120)	ADDRESS	4	TCBSWASA	- ADDRESS OF SAVE AREA USED BY SWA MANAGER
292	(124)	ADDRESS	4	TCBSVCA2	- ADDRESS OF SVC SCREENING TABLE
296	(128)	ADDRESS	4	TCBERD	EXTENDED REGION DESCRIPTOR. SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
300	(12C)	ADDRESS	4	TCBEAE	EXTENDED ALLOCATED ELEMENT QUEUE ANCHOR. SERIALIZATION - THE LOCAL LOCK. OWNERSHIP - VSM.
304	(130)	ADDRESS	4	TCBARC	REASON CODE FOR ABEND OWNERSHIP - RTM

Table 424. Structure TCBFIX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
308	(134)	SIGNED	4	TCBGRES	- TASK GLOBAL RESOURCE COUNT - NUMBER OF GLOBAL RESOURCES OWNED BY THIS TASK
312	(138)	ADDRESS	4	TCBSTCB	ADDRESS OF STCB
316	(13C)	CHARACTER	8	TCBTTIME	- TCB'S ACCUMULATED CPU TIME
324	(144)	ADDRESS	4	TCBCELAP	- COMMON EXECUTION LIBRARY ANCHOR POINTER
328	(148)	BITSTRING	2	TCBR148	- RESERVED
330	(14A)	BITSTRING	1	TCBRBYT1	- RTM Flag byte Ownership: RTM Serialization: Local lock.
		1...		TCBPVICT	"X'80'" - If 1, indicates that the associated task has received an ABEND13E as a result of Parallel Detach processing. Used by both RTM1 and RTM2.
		.1..		TCBPKING	"X'40'" - If 1, indicates that the associated Task has been marked as responsible for the removal of its subtasks (in RTM processing)
		..1.		TCBPCAND	"X'20'" - If 1, indicates that this Task has requested Parallel Detach protection and should be on the queue pointed to by ASSBPTAR
		...1		TCBPTOP	"X'10'" - If 1, indicates that this Task is at the top of a Task structure that was Parallel Detached
331	(14B)	BITSTRING	1	TCBLEVEL	- LEVEL NUMBER OF TCB
		.... ..1.		TCBVS02A	"X'02'" - JBB2110 (NOT IN BASE)
		.... ..1.		TCBVS02B	"X'02'" - JBB2125
		11		TCBVS03	"X'03'" - JBB2133
		11		TCBVERS	"X'03'" - LEVEL OF THIS MAPPING
332	(14C)	ADDRESS	4	TCBBDT	- ADDRESS OF BDT'S GSD LINKAGE CONTROL BLOCK
336	(150)	SIGNED	4	TCBNDAXP	- COUNT OF NUMBER OF CONSECUTIVE DISPATCHES REQUIRED ON A CP BEFORE THE TASK SHOULD BE REDISPATCHED ON AN AXP. OWNER: SUPERVISOR CONTROL SERIALIZATION: TCBACTIV BIT OF FIELD TCBXSCT1
340	(154)	ADDRESS	4	TCBSENV	- ADDRESS OF ACEE FOR THE TASK. THE ACEE DESCRIBES THE RACF AUTHORIZATION FOR THE TASK. OWNER: RACF SERIALIZATION: NONE, ONLY UPDATED BY TASK ITSELF
344	(158)	DBL WORD	8	(0)	
344	(158)	X'158'	0	TCBMNLEN	"*-TCB" - LENGTH OF MAIN SECTION OF TCB

Table 425. Structure TCBXTNT2

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TCBXTNT2	, - START OF EXTENSION
0	(0)	ADDRESS	4	TCBGTF(0)	- ADDRESS OF GENERALIZED TRACE FACILITY (GTF) TEMPORARY TRACE BUFFER ICB312
0	(0)	BITSTRING	1	TCBTFLG	- GTF FLAG BYTE ICB312
		1...		TCBASYNC	"X'80'" - GTF ASYNCHRONOUS GATHER ROUTINE IS IN CONTROL ICB312
		.1..		TCBERRTN	"X'40'" - GTF ASYNCHRONOUS GATHER ERROR ROUTINE IS IN CONTROL ICB312
		..1.		TCBDSPIT	"X'20'" - MACHINE CHECK INTERRUPTION HANDLER SHOULD UNCONDITIONALLY BRANCH TO THE DISPATCHER ICB312
1	(1)	ADDRESS	3	TCBGTFA	- ADDRESS OF GTF TEMPORARY TRACE BUFFER ICB312
4	(4)	BITSTRING	1		- RESERVED.
5	(5)	BITSTRING	3	TCBRCMP	- MOST RECENT ABEND COMPLETION CODE (INCLUDING VALID RECURSIONS IN STAE) ICB411
8	(8)	ADDRESS	4	TCBEVENT	- ADDRESS OF EVENT TABLES QUEUE
12	(C)	SIGNED	4	TCBRTMCT	- COUNT OF TOKENS USED FOR ESTAE. SERIALIZATION - CS. OWNERSHIP - RTM.
16	(10)	ADDRESS	4	TCBTQE	- ADDRESS OF A REUSABLE TASK-RELATED TQE
20	(14)	ADDRESS	4	TCBCAUF	- ADDRESS OF SUBSYSTEM FACILITY CONTROL BLOCK
24	(18)	ADDRESS	4	TCBPERCP	- POINTER TO A QUEUE OF SPIS. AN SPI REPRESENTS THE PERCOLATION OF AN SRB'S FRR TO THE RELATED TASK. SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK. OWNERSHIP - RTM.
		1...		TCBRCVRY	"X'80'" - TASK IS IN RECOVERY. SERIALIZATION - TCBACTIV. OWNERSHIP - RTM.
28	(1C)	SIGNED	4	TCBPERCT	- COUNT OF SRB MODE FRRS WAITING TO PERCOLATE TO THIS TASK, BUT NOT REPRESENTED IN SPI QUEUE (TCBPERCP). SERIALIZATION - TCBACTIV OR TASK NONDISPATCHABLE AND LOCAL LOCK. OWNERSHIP - RTM.
32	(20)	DBL WORD	8	(0)	- FORCE LENGTH EQUATE TO DOUBLE WORD ICB362
32	(20)	X'20'	0	TCBX2LEN	"*-TCBXTNT2" LENGTH OF COMMON EXTENSION
32	(20)	X'198'	0	TCBLEN	"TCBPXLEN+TCBMNLEN+TCBX2LEN" - TCB LENGTH INCLUDING PREFIX END OF TCB

Table 426. Cross Reference for TCB

Name	Offset	Hex Tag
PNONDISP	AD	40
TCB	0	20
TCB_KEEP_LS_EXTENT_VALID	117	8
TCB_REFRPROT_OVERRIDE	14	10
TCBABCUR	EC	
TCBABD	AE	80
TCBABE	AE	1
TCBABF	14	
TCBABTIN	AD	1
TCBABTRM	1F	20
TCBABWF	21	40
TCBACTIV	F0	80
TCBADMP	CB	2
TCBADUMP	B4	7
TCBAE	9C	
TCBAFFN	112	
TCBANDSP	21	10
TCBAPG	CA	2
TCBAQE	9C	BC
TCBARC	130	
TCBAREQ	AF	4
TCBASYNC	0	80
TCBATSKL	117	20
TCBATT	94	20
TCBBACK	DC	
TCBBDT	14C	
TCBBITCB	110	80
TCBBITS	C8	
TCBCASID	10	8
TCBCAUF	14	
TCBCCPVI	F2	
TCBCDBL	10	8
TCBCELAP	144	
TCBCIND	10	2
TCBCLOSD	B4	2
TCBCLOSE	B4	3
TCBCLOSF	B4	4
TCBCMLF	F1	80
TCBCMP	10	
TCBCMPC	11	
TCBCMPF	10	
TCBCMSG	10	1
TCBCNCB	115	80
TCBCOMM	EE	FD
TCBCONVR	B4	32
TCBCPP	10	20
TCBCPU	CA	20
TCBCPUBN	94	1
TCBCREQ	10	80

Table 426. Cross Reference for TCB (continued)

Name	Offset	Hex Tag
TCBCSTEP	10	40
TCBCWTO	10	4
TCBDAMSG	B4	B
TCBDAR	CC	
TCBDARC	CC	10
TCBDARD	CC	20
TCBDARET	B4	33
TCBDARMC	CC	10
TCBDARMS	CC	2
TCBDARO	CC	8
TCBDARP	CC	80
TCBDARPN	AD	40
TCBDARS	CC	40
TCBDARTN	AD	80
TCBDARWT	CC	4
TCBDDRND	AD	8
TCBDEB	8	
TCBDFRBP	14	1
TCBDMPO	10	20
TCBDSP	23	
TCBDSPIT	0	20
TCBDSS	AE	2
TCBDSSID	EE	F9
TCBDWSTA	1F	1
TCBDYDSP	94	2
TCBDYING	EF	80
TCBDYNAM	B4	A
TCBEAE	12C	
TCBECB	90	
TCBECBNV	115	4
TCBENDINGABNORMALLY	EF	4
TCBENDNG	EF	8
TCBENQRM	1F	2
TCBEOT	114	4
TCBEOTFM	114	80
TCBERD	128	
TCBERRTN	0	40
TCBERTYP	10A	
TCBESTAE	108	
TCBESTRM	109	
TCBETERM	109	80
TCBEVENT	8	
TCBEXCPD	C0	
TCBEXP	116	80
TCBEXSVC	CC	1
TCBEXT1	C4	
TCBEXT1A	C5	
TCBEXT2	D0	
TCBEXT2A	D1	

Table 426. Cross Reference for TCB (continued)

Name	Offset	Hex Tag
TCBFA	1D	80
TCBFABOP	1E	20
TCBFBYT1	114	
TCBFBYT2	115	
TCBFBYT3	116	
TCBFBYT4	117	
TCBFC	21	80
TCBFCD1	21	2
TCBFDSOP	1E	4
TCBFDW	115	20
TCBFE	1D	40
TCBFERA	1D	20
TCBFETXR	1E	2
TCBFIX	-20	
TCBFJMC	1E	8
TCBFJMCT	ED	
TCBFLAG	1C	F0
TCBFLGS	1D	
TCBFLGS1	1D	
TCBFLGS2	1E	
TCBFLGS3	1F	
TCBFLGS4	20	
TCBFLGS5	21	
TCBFLGS6	CA	
TCBFLGS7	CB	
TCBFLGS8	EF	
TCBFMW	115	40
TCBFOE	F4	
TCBFOEA	F5	
TCBFOINP	1E	80
TCBFPRAP	115	10
TCBFRS	-20	
TCBFRS0	-20	
TCBFRS2	-18	
TCBFRS4	-10	
TCBFRS6	-8	
TCBFS	1D	2
TCBFSA	70	
TCBFSAB	71	
TCBFSM	1F	80
TCBFSMC	1E	10
TCBFSTI	1E	40
TCBFT	1D	4
TCBFTS	1E	1
TCBFX	1D	1
TCBFXSET	1F	10
TCBGPECB	CB	80
TCBGREC	B4	5
TCBGRES	134	

Table 426. Cross Reference for TCB (continued)

Name	Offset	Hex Tag
TCBGRPH	14	20
TCBGRS	30	
TCBGRS0	30	
TCBGRS1	34	
TCBGRS10	58	
TCBGRS11	5C	
TCBGRS12	60	
TCBGRS13	64	
TCBGRS14	68	
TCBGRS15	6C	
TCBGRS2	38	
TCBGRS3	3C	
TCBGRS4	40	
TCBGRS5	44	
TCBGRS6	48	
TCBGRS7	4C	
TCBGRS8	50	
TCBGRS9	54	
TCBGTF	0	
TCBGTFA	1	
TCBGTOFM	CB	1
TCBHALT	A0	8
TCBHCRM	CA	8
TCBHNDSP	20	10
TCBINDRC	B4	E
TCBIOBRC	BC	
TCBIORMS	EE	FC
TCBIQE	8C	
TCBIWAIT	AE	8
TCBJES	EE	FA
TCBJLB	28	
TCBJPQ	2C	
TCBJPQB	2D	
TCBJPQF	2C	80
TCBJSCB	B4	
TCBJSCBB	B5	
TCBJSTCA	7D	
TCBJSTCB	7C	
TCBJTCBA	EF	20
TCBKEY9	1F	4
TCBLEN	20	198
TCBLEVEL	14B	
TCBLJSND	AF	80
TCBLLH	114	1
TCBLLNEW	F1	40
TCBLLREQ	F0	20
TCBLLS	24	
TCBLMP	22	
TCBLOGID	EE	F8

Table 426. Cross Reference for TCB (continued)

Name	Offset	Hex Tag
TCBLTC	88	
TCBMASTR	EE	FB
TCBMCCNS	B4	40
TCBMDIDS	B0	
TCBMESG	B4	9
TCBMIGR	CA	4
TCBMNLEN	158	158
TCBMODE	10B	
TCBMOD91	14	80
TCBMSS	18	
TCBMSSB	19	
TCBMTDP	116	10
TCBNCTL	116	40
TCBNDAXP	150	
TCBNDINT	AF	1
TCBNDIOS	114	20
TCBNDJL	AC	1
TCBNDNYI	AF	40
TCBNDSMF	AF	2
TCBNDSP	AC	
TCBNDSP0	AC	
TCBNDSP1	AD	
TCBNDSP2	AE	
TCBNDSP3	AF	
TCBNDSP4	C8	
TCBNDSP5	C9	
TCBNDSVC	AE	20
TCBNDTS	AE	10
TCBNDUMP	20	80
TCBNEWRB	B4	35
TCBNOCC	10	10
TCBNOCHK	14	40
TCBNOIRB	EF	40
TCBNOJLB	117	40
TCBNONPR	1D	10
TCBNOSTA	B4	30
TCBNSSP	E4	
TCBNSSQA	E4	80
TCBNSTAE	A0	
TCBNTC	80	
TCBNTJS	CA	1
TCBOLTEP	14	2
TCBONDSP	20	1
TCBOPEN	B4	1
TCBOTC	84	
TCBOWAIT	AE	4
TCBPAGE	21	20
TCBPAGID	EE	FF
TCBPCAND	14A	20

Table 426. Cross Reference for TCB (continued)

Name	Offset	Hex Tag
TCBPDUMP	1D	8
TCBPERCP	18	
TCBPERCT	1C	
TCBPGNLY	114	10
TCBPIE	4	
TCBPIEND	AD	2
TCBPIE17	CA	40
TCBPKF	1C	
TCBPKFU	1C	80
TCBPKING	14A	40
TCBPMC	117	80
TCBPNDSP	21	1
TCBPPSUP	A0	10
TCBPQE	98	B8
TCBPROPF	110	
TCBPROP0	110	
TCBPROP1	111	
TCBPTAXE	B4	8
TCBPTOP	14A	10
TCBPURGE	2C	
TCBPVICT	14A	80
TCBPXLEN	-8	20
TCBQTIP	B4	C
TCBQUIES	A0	40
TCBRBP	0	
TCBRBWF	20	4
TCBRBYT1	14A	
TCBRCMP	5	
TCBRCVRY	18	80
TCBRD	98	
TCBREC	B4	80
TCBRECDE	B4	
TCBRPT	118	
TCBRQENA	20	20
TCBRSPND	AD	10
TCBRSTND	AD	20
TCBRSTSK	CB	4
TCBRSV37	CD	
TCBRTMCT	C	
TCBRTMDE	116	20
TCBRTM1C	115	1
TCBRTM1E	114	40
TCBRTM12	104	
TCBRTM2	114	8
TCBRTWA	E0	
TCBRT1NR	115	8
TCBRT1S	1F	40
TCBRV	CA	80
TCBRV316	10	4

Table 426. Cross Reference for TCB (continued)

Name	Offset	Hex Tag
TCBR0D4	D4	
TCBR148	148	
TCBSATTN	114	2
TCBSAVCD	B4	F
TCBSCBKY	108	
TCBSCNDY	AC	
TCBSDNDX	EF	10
TCBSENV	154	
TCBSENVP	CB	40
TCBSER	20	40
TCBSLPER	AF	10
TCBSMCP	94	8
TCBSMFGF	A4	80
TCBSPVLK	CA	10
TCBSRBND	AF	20
TCBSSAT	B8	
TCBSSPC	115	2
TCBSTAB	A0	
TCBSTABB	A1	
TCBSTABE	A0	80
TCBSTACK	CB	10
TCBSTAFX	109	40
TCBSTAWA	FC	
TCBSTCB	138	
TCBSTCC	10	10
TCBSTCUR	A0	1
TCBSTMCT	CF	
TCBSTP	21	4
TCBSTPCT	95	
TCBSTPP	AE	40
TCBSTPPR	94	40
TCBSTRET	B4	31
TCBSVCA2	124	
TCBSVCS	CB	8
TCBSVCSP	CB	20
TCBSWA	F8	
TCBSWASA	120	
TCBSYERR	EE	FE
TCBSYNCH	A0	4
TCBSYS	21	8
TCBSYSCT	CE	
TCBS3A	F0	40
TCBS3MR	AF	8
TCBTCAMP	B4	D
TCBTCB	74	
TCBTCBID	100	
TCBTCP	14	4
TCBTCPP	14	8
TCBTCT	A4	

Table 426. Cross Reference for TCB (continued)

Name	Offset	Hex Tag
TCBTCTB	A5	
TCBTCTGF	A4	
TCBTDORM	F0	8
TCBTFLG	0	
TCBTID	EE	
TCBTIO	C	
TCBTIOTG	94	10
TCBTME	78	
TCBTPSP	AD	4
TCBTQE	10	
TCBTQET	78	80
TCBTRN	14	
TCBTRNB	15	
TCBTSDP	97	
TCBTSFLG	94	
TCBTSLP	96	
TCBTSTSK	94	80
TCBTTIME	13C	
TCBTYP1R	B4	34
TCBTYP1W	B4	10
TCBUKYSP	10C	
TCBUSER	A8	
TCBUXNDF	21	40
TCBUXNDV	20	8
TCBVAT	11C	
TCBVERS	14B	3
TCBVS02A	14B	2
TCBVS02B	14B	2
TCBVS03	14B	3
TCBVTAM1	B4	21
TCBVTAM2	B4	22
TCBVTAM3	B4	23
TCBVTAM4	B4	24
TCBWTPSE	B4	20
TCBXLAS	E8	
TCBXSB	D8	
TCBXSCT	F0	
TCBXSCT1	F0	
TCBXSCT2	F1	
TCBXTNT2	0	
TCBX2LEN	20	20
TCBZERO	1C	F
TCB33E	A0	20
TNONDISP	AD	80

Chapter 120. TCCW Information

TCCW Heading Information

Common Name:	Translation Control Block
Macro ID:	IECDTCCW
DSECT Name:	TCCW
Owning Component:	Execute Channel Program Processor (SC1C6)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 245 Key: 0 Residency: Below 16Mb
Size:	160 or 248 bytes (if bit TCCWLBLK is on, then the block is 248 bytes)
Created by:	Callers of the CCW translation module (IECVTCCW)
Pointed to by:	RQETCCW field of the RQE data area
Serialization:	LOCAL lock
Function:	The TCCW block is the translation control block which contains all the information required to translate virtual CCWS to real CCWS, re-translate addresses or unfix data areas. This block is provided by the caller of the CCW translator. The caller can provide either an 160 byte or 248 byte block (248 byte block preferred).

TCCW mapping

Table 427. Structure TCCW

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TCCW	
0	(0)	ADDRESS	4	TCCWTCB	TCB address associated with request
4	(4)	BITSTRING	1	TCCWOPTN	CCW Translation option byte and TCCW error return codes.....
		TCCW translation options----------			
		....		TCCWXLAT	"X'00'" .Translate CCWs
		.... .1..		TCCWCSWX	"X'04'" .Translate CSW or passes address
		.... 1...		TCCWUNFX	"X'08'" .Unfix data area - Set up free list
		.... 11..		TCCWGTMN	"X'0C'" .TCCW block request to caller and return to continue
		...1		TCCWSATR	"X'10'" .Single address translation
		TCCW error return codes----------			
		1...		TCCWPGER	"X'80'" .Page fix error
		1..1		TCCWTRER	"X'90'" .translation error

Table 427. Structure TCCW (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1.1.		TCCWIDAE	"X'A0'" .IDA bit error in virtual Chan Pgm
		1.11		TCCWPRIV	"X'B0'" .Privileged CCW
		11..		TCCWERRC	"X'C0'" .Reserved
		11.1		TCCWVMER	"X'D0'" .Valmap error
		111.		TCCWVLER	"X'E0'" .Val ck error in virtual chan pgm
		1111		TCCWERRF	"X'F0'" .Reserved
5	(5)	ADDRESS	3	TCCWUCB	Associated UCB address
8	(8)	ADDRESS	4	TCCWBEB	1st BEB block address
12	(C)	ADDRESS	4	TCCWFIX	1st Fix list block address
16	(10)	ADDRESS	4	TCCWFVC	1st virtual CCW address
20	(14)	ADDRESS	4	TCCWFRC	1st real CCW address
24	(18)	ADDRESS	4	TCCWPLKR	Next avaialble Fix entry address
28	(1C)	ADDRESS	4	TCCWINDA	1st IDAL block address
32	(20)	ADDRESS	4	TCCWTICL	Unresolved TIC list address
36	(24)	ADDRESS	4	TCCWINDR	Next available IDAW entry address
40	(28)	ADDRESS	4	TCCWCCWR	Next available real CCW address
44	(2C)	BITSTRING	1	TCCWMODB	Translator flag byte----------
		1...		TCCWFCHN	"X'80'" - Free block chain constructed
		.1..		TCCWVLCK	"X'40'" - Virtual CP validity check
		..1.		TCCWLBLK	"X'20'" - 248 byte large block provided
		...1		TCCWNVAL	"X'10'" - Skip privileged operation checking
		.... 1...		TCCWIDAX	"X'08'" - 4K 8-byte IDAWs
		.... .1..		TCCWPC10	"X'04'" - An invalid IDAL entry required
		.... ..1.		TCCWPGCK	"X'02'" - Page fix/unfixing active
		1		TCCWVIDA	"X'01'" - Virtual IDAW with bit 0 on
45	(2D)	BITSTRING	1	TCCWCCWL	Number of CCW entries left in BEB
46	(2E)	BITSTRING	1	TCCWINDL	Number of IDAW entries left in IDAL
47	(2F)	BITSTRING	1	TCCWEFOP	Numeric portion of current command
48	(30)	ADDRESS	4	TCCWCCWA	Next virtual CCW address
52	(34)	ADDRESS	4	TCCWTICA	TIC-ed to address
56	(38)	ADDRESS	4	TCCWLOCA	Low compare address
60	(3C)	ADDRESS	4	TCCWHICA	High compare address
64	(40)	ADDRESS	4	TCCWCBEB	Current BEB pointer
68	(44)	ADDRESS	4	TCCWOPTR(0)	Previous CCW address and cmd code
68	(44)	BITSTRING	1	TCCWOPBT	Previous CCW operation command code
69	(45)	ADDRESS	3	TCCWPCCW	Previous CCW address

Table 427. Structure TCCW (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
72	(48)	BITSTRING	32	TCCWSAVE(0)	Additional block request save area
72	(48)	ADDRESS	4	TCCWSAVD	- Save area for register 13
76	(4C)	ADDRESS	4	TCCWSAV4	- Save area for register 4
80	(50)	ADDRESS	4	TCCWSAV5	- Save area for register 5
84	(54)	ADDRESS	4	TCCWSAV6	- Save area for register 6
88	(58)	ADDRESS	4	TCCWSAV7	- Save area for register 7
92	(5C)	ADDRESS	4	TCCWSAV8	- Save area for register 8
96	(60)	ADDRESS	4	TCCWSAV9	- Save area for register 9
100	(64)	ADDRESS	4	TCCWSAVA	- Save area for register 10
104	(68)	BITSTRING	56	TCCWRGSV(0)	Translator register save area
104	(68)	ADDRESS	4	TCCWREG1	- Save area for register 1
108	(6C)	ADDRESS	4	TCCWREG2	- Save area for register 2
112	(70)	ADDRESS	4	TCCWREG3	- Save area for register 3
116	(74)	ADDRESS	4	TCCWREG4	- Save area for register 4
120	(78)	ADDRESS	4	TCCWREG5	- Save area for register 5
124	(7C)	ADDRESS	4	TCCWREG6	- Save area for register 6
128	(80)	ADDRESS	4	TCCWREG7	- Save area for register 7
132	(84)	ADDRESS	4	TCCWREG8	- Save area for register 8
136	(88)	ADDRESS	4	TCCWREG9	- Save area for register 9
140	(8C)	ADDRESS	4	TCCWREGA	- Save area for register 10
144	(90)	ADDRESS	4	TCCWREGB	- Save area for register 11
148	(94)	ADDRESS	4	TCCWREGC	- Save area for register 12
152	(98)	ADDRESS	4	TCCWREGD	- Save area for register 13
156	(9C)	ADDRESS	4	TCCWREGE	- Save area for register 14
156	(9C)	X'A0'	0	TCCWBL	"*-TCCW" TCCW block length
160	(A0)	ADDRESS	4	TCCWREGX(4)	- Remaining save area (used by IECVPBLK
176	(B0)	ADDRESS	4	TCCWLSTA	- Lowest beginning address
180	(B4)	ADDRESS	4	TCCWHSTA	- Highest ending address
The following fields are used to manage the blocks that are obtained from the requestor's private area. These blocks are used as BEBs.					
184	(B8)	ADDRESS	4	TCCWPAGF	- Address of first page
188	(BC)	ADDRESS	4	TCCWPAGL	- Address of last page
192	(C0)	BITSTRING	1	TCCWBLKN	- Index of next block in last private block
193	(C1)	BITSTRING	1	TCCWRESV	- Reserved
194	(C2)	BITSTRING	2	TCCWLBCT	- Count of IECVEXSM managed large blocks used by this request
The RQEX is placed immediately after the TCCW in a large block. For this reason, the TCCW can never be expanded such that the RQEX and TCCW no longer fit in a single large block.					

Table 428. Cross Reference for TCCW

Name	Offset	Hex Tag
TCCW	0	
TCCWBEB	8	
TCCWBL	9C	A0

Table 428. Cross Reference for TCCW (continued)

Name	Offset	Hex Tag
TCCWBLKN	C0	
TCCWCBEB	40	
TCCWCCWA	30	
TCCWCCWL	2D	
TCCWCCWR	28	
TCCWCSWX	4	4
TCCWEFOP	2F	
TCCWERRC	4	C0
TCCWERRF	4	F0
TCCWFCHN	2C	80
TCCWFIX	C	
TCCWFRC	14	
TCCWFVC	10	
TCCWGTMN	4	C
TCCWHICA	3C	
TCCWHSTA	B4	
TCCWIDAE	4	A0
TCCWIDAX	2C	8
TCCWINDA	1C	
TCCWINDL	2E	
TCCWINDR	24	
TCCWLBCT	C2	
TCCWLBLK	2C	20
TCCWLOCA	38	
TCCWLSTA	B0	
TCCWMODB	2C	
TCCWNVAL	2C	10
TCCWOPBT	44	
TCCWOPTN	4	
TCCWOPTR	44	
TCCWPAGF	B8	
TCCWPAGL	BC	
TCCWPCCW	45	
TCCWPC10	2C	4
TCCWPGCK	2C	2
TCCWPGER	4	80
TCCWPLKR	18	
TCCWPRIV	4	B0
TCCWREGA	8C	
TCCWREGB	90	
TCCWREGC	94	
TCCWREGD	98	
TCCWREGE	9C	
TCCWREGX	A0	
TCCWREG1	68	
TCCWREG2	6C	
TCCWREG3	70	
TCCWREG4	74	
TCCWREG5	78	

Table 428. Cross Reference for TCCW (continued)

Name	Offset	Hex Tag
TCCWREG6	7C	
TCCWREG7	80	
TCCWREG8	84	
TCCWREG9	88	
TCCWRESV	C1	
TCCWRGSV	68	
TCCWSATR	4	10
TCCWSAVA	64	
TCCWSAVD	48	
TCCWSAVE	48	
TCCWSAV4	4C	
TCCWSAV5	50	
TCCWSAV6	54	
TCCWSAV7	58	
TCCWSAV8	5C	
TCCWSAV9	60	
TCCWTCB	0	
TCCWTICA	34	
TCCWTICL	20	
TCCWTRER	4	90
TCCWUCB	5	
TCCWUNFX	4	8
TCCWVIDA	2C	1
TCCWVLCK	2C	40
TCCWVLER	4	E0
TCCWVMER	4	D0
TCCWXLAT	4	0

Chapter 121. TCT Information

TCT Programming Interface Information

ONLY the following field is part of the programming interface information:

- TCTJMR

TCT Heading Information

Common Name:	SMF TIMING CONTROL TABLE
Macro ID:	IEFTCT
DSECT Name:	SMFTCT
Owning Component:	System Management Facilities (SC100)
Eye-Catcher ID:	"TCT " Offset: 208 ('D0' in hex) Length: 8 bytes
Storage Attributes:	Subpool: 255 Key: 0 Residency: Below
Size:	The common area is 704 bytes ('2C0' in hex) FREQUENCY = 1 per address space
Created by:	IEFSMFIE
Pointed to by:	TCBTCT
Serialization:	Compare and Swap on some fields.
Function:	This mapping macro is composed of three control blocks (TCT, TCT I/O Measurement table, and Extended TCT I/O table). The TCT consists of a common section (SMFTCT), storage table (TCTCORE), OpenMVS Process table (TCTOMVS), and ARM table (TCTARM). SMFTCT and TCTCORE are one structure and are contiguous in storage. TCTOMVS is not contiguous with SMFTCT or TCTCORE. However, the TCTOMVS and TCTARM are contiguous. The TCT I/O Measurement table (TCTTIOT) and Extended TCT I/O table (ETCTIOT) areas are separate structures, mapped within the IEFTCT mapping macro, and pointed to from fields within the TCT. However, they are NOT contiguous in storage to the TCT or each other.

TCT mapping

Table 429. Structure SMFTCT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	SMFTCT	, - START OF TCT
0	(0)	CHARACTER	3	TCTQA	- QUEUE ADDRESS OF TCT
3	(3)	BITSTRING	1	TCTEXP(0)	- JOB/STEP TIME INDICATOR MASK
3	(3)	BITSTRING	1	TCTSW	- TCT SWITCHES

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		TCTJSTI	"BIT0" - TQE JOB/STEP TIME INDICATOR. IF 0, TQE CONTAINS STEP TIME. IF 1, TQE CONTAINS JOB TIME.
		.1..		TCTIEX	"BIT1" - ERROR IN TCT I/O TABLE I/O COUNTS (OS/VS2) MDC017
		..1.		TCTISK30	"BIT2,,C'X'" - TYPE 30 INTERVAL RECORD SKIPPED
		...1		TCTISK32	"BIT3,,C'X'" - TYPE 32 INTERVAL RECORD SKIPPED
		.... 1...		TCTIABD	"BIT4,,C'X'" - PREVIOUS INTERVAL ABENDED
		.... .1..		TCTSTPRN	"BIT5,,C'X'" - STEP RAN INDICATOR
		.... ..1.		TCTACTRT	"BIT6,,C'X'" - IEFACTRT IN CONTROL INDICATOR
		1		TCTDCOPN	"BIT7,,C'X'" - DMPCHCK RTN IN CONTROL INDICATOR
4	(4)	ADDRESS	4	TCTTCB	- ADDRESS OF THE INITIATOR TCB
8	(8)	ADDRESS	4	TCTCRTBL	- ADDRESS OF THE TCT STORAGE TABLE
12	(C)	ADDRESS	4	TCTIOTBL	- ADDRESS OF THE TCT I/O TABLE. TCT I/O TABLE IS NOT NECESSARILY CONTIGUOUS WITH THE TCT.
16	(10)	SIGNED	4	TCTPOOL(0)	- SUBPOOL/LENGTH FOR TCT PROPER
16	(10)	SIGNED	2		- SUBPOOL IN WHICH THE TCT RESIDES
18	(12)	SIGNED	2	TCTSZE	- SIZE IN BYTES OF THE TCT AND THE TCT STORAGE TABLE
20	(14)	ADDRESS	4	TCTUTL	- ADDRESS OF USER TIME LIMIT ROUTINE
24	(18)	ADDRESS	4	TCTUDATA	- ADDRESS OF A ONE-WORD PARAMETER LIST WHICH POINTS TO THE JOB MANAGEMENT RECORD (JMR)
28	(1C)	ADDRESS	4	TCTJMR	- ADDRESS OF THE JOB MANAGEMENT RECORD
32	(20)	SIGNED	4	TCTCPUS(0)	ACCUM SESSION CPU SERVICE(OS/VS2)
32	(20)	BITSTRING	4	TCTRSV08	- *** TCTUSO FIELD RESERVED IN OS/VS ***
36	(24)	SIGNED	4	TCTJSTX(0)	- AMOUNT OF TIME THAT JOB OR STEP HAS BEEN EXTENDED BY USER EXIT IEFUTL (32-BIT UNSIGNED BINARY NUMBER) (OS/VS2) MDC005
36	(24)	SIGNED	4	TCTSTOF	- OVERFLOW FIELD FOR USER-SUPPLIED STEP TIME EXTENSIONS (OS/VS1) MDC001
40	(28)	SIGNED	4	TCTTJLM(0)	- CONTAINS REMAINING JOB TIME (32-BIT UNSIGNED BINARY NUMBER) (OS/VS2) MDC006
40	(28)	SIGNED	4	TCTSACT	- A RUNNING TOTAL OF THE USER-SUPPLIED STEP TIME EXTENSIONS EXPRESSED IN TIMER UNITS (OS/VS1) MDC002

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
44	(2C)	SIGNED	4	TCTIOCS(0)	ACCUM SESSION I/O SERVICE(OS/VS2)
44	(2C)	SIGNED	4	TCTWLMT	- THE JOB OR STEP MAXIMUM WAIT TIME LIMIT AS SPECIFIED IN SMFDEFLT, EXPRESSED IN TIMER UNITS (OS/VS1) RESERVED - SET TO ZERO (OS/VS2) MDC016
48	(30)	SIGNED	4	TCTLIN	- TSO - COUNT OF LINES OF TERMINAL INPUT
52	(34)	SIGNED	4	TCTLOUT	- TSO - COUNT OF LINES OF TERMINAL OUTPUT
56	(38)	SIGNED	4	TCTAST	- THE TIME OF DAY (TO ONE HUNDREDTH OF A SECOND) THAT DEVICE ALLOCATION STARTED ICB365
60	(3C)	SIGNED	4	TCTPPST	- THE TIME OF DAY (TO ONE HUNDREDTH OF A SECOND THAT THE PROBLEM PROGRAM WAS INITIALLY LOADED INTO MAIN STORAGE ICB365
64	(40)	CHARACTER	20	TCTPGSMF(0)	- SMF REGION-RELATED STATISTICS (OS/VS1) MDC007
64	(40)	SIGNED	4	TCTAJS(0)	- ACCUMULATED SESSION SERVICE TIME (OS/VS2) (MDC019) YM7459
64	(40)	SIGNED	4	TCTPGIN	- TOTAL PAGE-INS FOR THIS REGION (INCLUDING SWAP-INS) (OS/VS1) MDC007
68	(44)	SIGNED	4	TCTACT(0)	- ACCUMULATED ACTIVE TIME (OS/VS2) (MDC020) YM7459
68	(44)	SIGNED	4	TCTPGOUT	- TOTAL PAGE-OUTS FOR THIS REGION (INCLUDING SWAP-OUTS) (OS/VS1) MDC008
72	(48)	SIGNED	4	TCTATR(0)	- ACCUMULATED TRANSACTION RESIDENCY TIME (OS/VS2) (MDC302)
72	(48)	SIGNED	4	TCTRGNS	- TOTAL SWAPS PERFORMED FOR THIS TSO USER (SWAP-INS + SWAP-OUTS) (OS/VS1) MDC009
76	(4C)	SIGNED	4	TCTMSOS(0)	ACCUM SESSION MAIN STORAGE SERVICE (OS/VS2)
76	(4C)	SIGNED	4	TCTSIN	- TOTAL PAGES SWAPPED-IN FOR THIS TSO USER (OS/VS1) MDC010
80	(50)	SIGNED	4	TCTSRBS(0)	ACCUM SESSION SRB SERVICE (OS/VS2)
80	(50)	SIGNED	4	TCTSOUT	- TOTAL PAGES SWAPPED-OUT FOR THIS TSO USER (OS/VS1) MDC011
84	(54)	SIGNED	4	TCTPDASD	- NO OF MOUNTS FOR NONSPECIFIC DASD
88	(58)	SIGNED	4	TCTRDASD	- NO OF MOUNTS FOR SPECIFIC DASD
92	(5C)	SIGNED	4	TCTPTAPE	- NO OF MOUNTS FOR NONSPECIFIC TAPE
96	(60)	SIGNED	4	TCTRTAPE	- NO OF MOUNTS FOR SPECIFIC TAPE
100	(64)	SIGNED	4	TCTPMSS	- NO OF MOUNTS FOR NONSPECIFIC MSS
104	(68)	SIGNED	4	TCTRMSS	- NO OF MOUNTS FOR SPECIFIC MSS
108	(6C)	SIGNED	4	TCTEJST	- LAST VALUE OF ELAPSED TCB TIME
112	(70)	SIGNED	4	TCTSRBT	- LAST VALUE OF ELAPSED SRB TIME

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
116	(74)	SIGNED	4	TCTSVTEP	- LAST VALUE OF TOTAL BLOCK COUNT
120	(78)	SIGNED	4	TCTLINSV	- LAST VALUE OF TPUT COUNT
124	(7C)	SIGNED	4	TCTLOUTS	- LAST VALUE OF TGET COUNT
128	(80)	SIGNED	4	TCTTRAN	- LAST VALUE OF FOREGROUND TRANS
132	(84)	SIGNED	4	TCTITCB	- INITIATOR TCB TIME
136	(88)	SIGNED	4	TCTISRB	- INITIATOR SRB TIME
140	(8C)	SIGNED	4	TCTT30J	- ADDRESS OF JOB TOTAL TYPE 30 RCD
144	(90)	SIGNED	4	TCTT30S	- ADDRESS OF STEP TOTAL TYPE 30 RCD
148	(94)	SIGNED	4	TCTT30H	- ADDRESS OF EXCP HOLD TYPE 30 RCD
152	(98)	SIGNED	4	TCTLCTAD	- ADDRESS OF LCT
156	(9C)	SIGNED	4	TCTT32J	- ADDRESS OF JOB TOTAL TYPE 32 RCD
160	(A0)	SIGNED	4	TCTT32S	- ADDRESS OF STEP TOTAL TYPE 32 RCD
164	(A4)	SIGNED	4	TCT32SP	- SUBPOOL AND SIZE OF TYPE 32 RCDS
168	(A8)	SIGNED	4	TCT32BLK	- ADDRESS OF DETAIL CONTROL BLOCK
172	(AC)	SIGNED	4	TCTLRRCT	- LAST VALUE OF THE ADDRESS SPACE RE-READ COUNT
176	(B0)	SIGNED	4	TCTIOSAV	- ADDRESS OF SAVE AREA FOR IEASMFEX
180	(B4)	SIGNED	4	TCTDCTI	- LAST VALUE OF DEVICE CONNECT TIME
184	(B8)	SIGNED	4	TCTTIMER	- ADDRESS OF SMF TIMER ELEMENT
188	(BC)	SIGNED	4	TCTTMRSP	- SUBPOOL AND SIZE OF TIMER ELT
192	(C0)	SIGNED	4	TCTPARMS	- ADDRESS OF TIMER PARAMETER LIST
196	(C4)	SIGNED	4	TCTPRMSP	- SUBPOOL AND SIZE OF PARM LIST
200	(C8)	CHARACTER	8	TCTSNAME	STEP NAME OF CURRENT STEP
208	(D0)	CHARACTER	8	TCTTCT	TCT IDENTIFIER FIELD
216	(D8)	SIGNED	4	TCTMSCT	- NUMBER OF TIMES I/O MEASUREMENTS HAVE BEEN TURNED OFF AT JOB START
		1...		TCTMSOFF	"X'80'" I/O MEASUREMENTS ARE ON
220	(DC)	SIGNED	4	TCTEIIP	- ELAPSED I/O INTERRUPT TIME
224	(E0)	SIGNED	4	TCTERCT	- ELAPSED RCT CPU TIME
228	(E4)	SIGNED	4	TCTRQSVP	Pointer to sysevent REQSVDAT parameter list
232	(E8)	SIGNED	4	TCTE39PP	Pointer to sysevent REQPGDAT parameter list
236	(EC)	SIGNED	4	TCTER0EC	Reserved, was TCTIOTLW
240	(F0)	SIGNED	4	TCTADMFW	Number of pages moved with ADMF WRITE
244	(F4)	SIGNED	4	TCTADMFR	Number of pages moved with ADMF READ
248	(F8)	SIGNED	4	TCTEHPT	- ELAPSED HIPERSPACE PROCESSING TIME
252	(FC)	SIGNED	4	TCTER0FC	- RESERVED, WAS TCTEVFUT
256	(100)	SIGNED	4	TCTER100	- RESERVED, WAS TCTEVFAT

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
260	(104)	SIGNED	4	TCTIR104	- RESERVED, WAS TCTIVFUT
264	(108)	SIGNED	4	TCTIR108	- RESERVED, WAS TCTIVFAT
268	(10C)	SIGNED	4	TCTINTST	- INTERVAL START TIME
272	(110)	SIGNED	4	TCTINTDT	- INTERVAL START DATE
276	(114)	CHARACTER	32	TCTEINFO(0)	ETCTIOT INFORMATION
276	(114)	SIGNED	4	TCTFETIO	- ADDRESS OF FIRST ETCTIOT BLOCK
280	(118)	SIGNED	4	TCTLETIO	- ADDRESS OF LAST ETCTIOT BLOCK
284	(11C)	SIGNED	2	TCTESUBP	- ETCTIOT SUBPOOL
286	(11E)	SIGNED	2	TCTELEN	- LENGTH OF ONE ETCTIOT BLOCK
288	(120)	SIGNED	4	TCTEBLK	- NUMBER OF ETCTIOT 4K BLOCKS
292	(124)	SIGNED	4	TCTEFAVL	- 1ST AVAILABLE ETCTIOT TOKEN
296	(128)	SIGNED	4	TCTELAVL	- LAST AVAILABLE ETCTIOT TOKEN
300	(12C)	SIGNED	4	TCTENAVL	- NUMBER OF AVAILABLE ETCTIOT ENTRIES
304	(130)	CHARACTER	4	TCTEFLGS	- ETCTIOT FLAGS
		1...		TCTCOMP	"X'80'" - TCTTIOT BEING MOVED INDICATOR
		.1..		TCTDUMMY	"X'40'" - When set by IEFIB660, this flag represents a Dummy TCTIOT. It will be checked by IEFDB4F9.
308	(134)	SIGNED	4	TCTANSC	- INTEGRATED CRYPTO SERVICE COUNT
312	(138)	BITSTRING	1	TCTTMRFL(2)	PREVIOUS INTERVAL TIMER BIT FLAGS
		1...		TCTCTF	"X'80'" SMF30CPT TIMER INVALID
		.1..		TCTCSF	"X'40'" SMF30CPS TIMER INVALID
		..1.		TCTVUF	"X'20'" SMF30JVU TIMER INVALID
		...1		TCTVAF	"X'10'" SMF30JVA TIMER INVALID
		.... 1...		TCTISF	"X'08'" SMF30ISB TIMER INVALID
		.... .1..		TCTICF	"X'04'" SMF30ICU TIMER INVALID
		.... ..1.		TCTIVF	"X'02'" SMF30IVU TIMER INVALID
		1		TCTIAF	"X'01'" SMF30IVA TIMER INVALID
		1...		TCTIIF	"X'80'" SMF30IIP TIMER INVALID
		.1..		TCTHPF	"X'40'" SMF30HPT TIMER INVALID
		..1.		TCTRCF	"X'20'" SMF30RCT TIMER INVALID
		...1		TCTASF	"X'10'" SMF30ASR TIMER INVALID
		.... 1...		TCTENF	"X'08'" SMF30ENC TIMER INVALID
		.... .1..		TCTDEF	"X'04'" SMF30DET TIMER INVALID
314	(13A)	BITSTRING	1	TCTFLAGS	TCT Flags
		1...		TCTTCT2	"X'80'" DSABTCT2 should be used to contain the offset to the lookup table entry
315	(13B)	BITSTRING	1	TCTSRMSP	Subpool for TCTRQSVP,TCTE39PP
316	(13C)	SIGNED	4	TCTT33SP	Address of Type 33 TP Work Area
320	(140)	SIGNED	4	TCTT33J	Address of Type 33 TP JOB Record
324	(144)	SIGNED	4	TCTT33S	Address of Type 33 TP STEP Record
328	(148)	SIGNED	4	TCTTPTYP	APPC TP Type (Standard/Multi)
332	(14C)	SIGNED	4	TCTTPTCB	Last Value of TCB Time for TP
336	(150)	SIGNED	4	TCTTPSRB	Last Value of SRB Time for TP
340	(154)	SIGNED	4	TCTTPEXP	Last Value of EXCP Count for TP

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
344	(158)	SIGNED	4	TCTTPDCT	Last Value of Dev Conn Time for TP
348	(15C)	SIGNED	4	TCTTPNUM	Number of Transactions Processed
352	(160)	SIGNED	4	TCTTPCON	Number of Conversations
356	(164)	SIGNED	4	TCTTPTAC	Number of Active Cons
360	(168)	SIGNED	4	TCTTPCNA	Number of Cons Allocated
364	(16C)	SIGNED	4	TCTTPSEN	Number of Sends for TP
368	(170)	CHARACTER	8	TCTTPDAT	Amount of Data Sent
376	(178)	SIGNED	4	TCTTPREC	Number of Recvs for TP
380	(17C)	CHARACTER	8	TCTTPDAR	Amount of Data Received
388	(184)	CHARACTER	4	TCTSUBNM	Scheduler of Job
392	(188)	ADDRESS	4	TCTOMVSP	Address of TCTOMVS Table
396	(18C)	ADDRESS	4	TCTT30PH	Address of T30AREA for Process Data
400	(190)	ADDRESS	4	TCTT30SE	Address of T30AREA for Step EXCP Data
404	(194)	ADDRESS	4	TCTT30SP	Address of T30AREA for Step Process Data
408	(198)	ADDRESS	4	TCTT30JE	Address of T30AREA for Job EXCP Data
412	(19C)	ADDRESS	4	TCTT30JP	Address of T30AREA for Job Process Data
416	(1A0)	CHARACTER	8	TCTISS	SMF Interval Start Time (STCK Format)
424	(1A8)	SIGNED	4	TCT30CN	Last Number of Conversations
428	(1AC)	SIGNED	4	TCT30CNA	Last Number of Cons Allocated
432	(1B0)	SIGNED	4	TCT30SEN	Last Number of Sends for TP
436	(1B4)	CHARACTER	8	TCT30DAT	Last Amount of Data Sent
444	(1BC)	SIGNED	4	TCT30REC	Last Number of Recvs for TP
448	(1C0)	CHARACTER	8	TCT30DAR	Last Amount of Data Received
456	(1C8)	SIGNED	4	TCT30ATR	Last Number of Transactions Processed
460	(1CC)	SIGNED	4	TCTUACL	Usage ACA Lockword
464	(1D0)	ADDRESS	4	TCTUACA	Address of First ACA for job
468	(1D4)	ADDRESS	4	TCTUTCAC	Addr of 1st TCA on consolidated chain
472	(1D8)	ADDRESS	4	TCTUTCA	Address of First TCA on chain
476	(1DC)	ADDRESS	4	TCTUFCAC	Addr of 1st FCA on consolidated chain
480	(1E0)	ADDRESS	4	TCTUFCA	Address of First FCA on chain
484	(1E4)	SIGNED	4	TCTRSMGT	Usage RESMGR Token
488	(1E8)	ADDRESS	4	TCTUTIMR	Usage Timer Element
492	(1EC)	ADDRESS	4	TCTUTPRM	Usage Timer ParmArea
496	(1F0)	ADDRESS	4	TCTT30UH	Address of T30AREA Hold area for Usage Entries
500	(1F4)	ADDRESS	4	TCTT30US	Address of T30AREA Step Hold Area for Usage Entries
504	(1F8)	ADDRESS	4	TCTT30UJ	Address of T30AREA Job Hold Area for Usage Entries
508	(1FC)	ADDRESS	4	TCTARMP	Address of TCTARM table
512	(200)	ADDRESS	4	TCTT30AH	Address of T30AREA for ARM Data
516	(204)	ADDRESS	4	TCTT30SA	Address of T30AREA for Step ARM Data

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
520	(208)	ADDRESS	4	TCTT30JA	Address of T30AREA for Job ARM Data
524	(20C)	SIGNED	4	TCTASST	Additional SRB Service Time
528	(210)	SIGNED	4	TCTECPT	Enclave CPU Time
532	(214)	SIGNED	4	TCTETIM	Enclave Transaction Active Time
536	(218)	SIGNED	4	TCTECPU	Enclave CPU Service Units
540	(21C)	SIGNED	4	TCTETC	Enclave Transaction Count
544	(220)	SIGNED	4	TCTASSTC	Additional SRB Service Time (Cumulative)
548	(224)	SIGNED	4	TCTECPTC	Enclave CPU Time (Cumulative) including dependent enclave time
552	(228)	SIGNED	4	TCTDET	Dependent enclave CPU time
556	(22C)	SIGNED	4	TCT30AIC	Saved copy of RQSVAIC
560	(230)	SIGNED	4	TCT30AID	Saved copy of RQSVAID
564	(234)	SIGNED	4	TCT30AIW	Saved copy of RQSVAIW
568	(238)	SIGNED	4	TCT30AIS	Saved copy of RQSVAIS
572	(23C)	SIGNED	4	TCT30EIC	Saved copy of RQSVEIC
576	(240)	SIGNED	4	TCT30EID	Saved copy of RQSVEID
580	(244)	SIGNED	4	TCT30EIW	Saved copy of RQSVEIW
584	(248)	SIGNED	4	TCT30EIS	Saved copy of RQSVEIS
588	(24C)	SIGNED	4	TCTT30SR	Address of STEP area for Remote System Data entries.
592	(250)	SIGNED	4	TCTT30JR	Address of JOB area for Remote System Data entries.
596	(254)	SIGNED	4	TCT_TIME_ON_IFA	Work unit on IFA
600	(258)	SIGNED	4	TCT_TIME_IFA_ON_CP	IFA-eligible work unit on CP
604	(25C)	SIGNED	4	TCT_ENCLAVE_TIME_ON_IFA	Work unit on IFA
608	(260)	SIGNED	4	TCT_ENCLAVE_TIME_IFA_ON_CP	IFA-eligible work unit on CP
612	(264)	SIGNED	4	TCT_DEP_ENCLAVE_TIME_ON_IFA	Work unit on IFA
616	(268)	SIGNED	4	TCT_DEP_ENCLAVE_TIME_IFA_ON_CP	IFA-eligible work unit on CP
620	(26C)	SIGNED	4	TCTTMRFL2	More failure flags
TCTTMRFL2 byte 0					
		1...		TCT_TIME_ON_IFA_F	"X'80'" Failure flag
		.1..		TCT_TIME_IFA_ON_CP_F	"X'40'" Failure flag
		..1.		TCT_ENCLAVE_TIME_ON_IFA_F	"X'20'" Failure flag
		...1		TCT_ENCLAVE_TIME_IFA_ON_CP_F	"X'10'" Failure flag
		.... 1...		TCT_DEP_ENCLAVE_TIME_ON_IFA_F	"X'08'" Failure flag
		.... .1..		TCT_DEP_ENCLAVE_TIME_IFA_ON_CP_F	"X'04'" Failure flag
		.... ..1.		TCT_TIME_ON_CP_F	"X'02'" Failure flag
		1		TCT_ENCLAVE_TIME_ON_CP_F	"X'01'" Failure flag
TCTTMRFL2 byte 1					
		1...		TCT_DEP_ENCLAVE_TIME_ON_CP_F	"X'80'" Failure flag
		.1..		TCT_CEPI_F	"X'40'" Failure flag
		..1.		TCT_CRP_F	"X'20'" Failure flag
TCTTMRFL2 byte 2					

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		TCT_TIME_ON_SUP_F	"X'80'" Failure flag
		.1..		TCT_TIME_SUP_ON_CP_F	"X'40'" Failure flag
		..1.		TCT_ENCLAVE_TIME_ON_SUP_F	"X'20'" Failure flag
		...1		TCT_ENCLAVE_TIME_SUP_ON_CP_F	"X'10'" Failure flag
		.... 1...		TCT_DEPENC_TIME_ON_SUP_F	"X'08'" Failure flag
		.... .1..		TCT_DEPENC_TIME_SUP_ON_CP_F	"X'04'" Failure flag
TCTTMRFL2 byte 3					
		1...		TCT_ENCLAVE_TIME_SUP_QUAL_F	"X'80'" Failure flag
		.1..		TCT_DEPENC_TIME_SUP_QUAL_F	"X'40'" Failure flag
624	(270)	SIGNED	4	TCT_TIME_ON_CP	Work unit on CP
628	(274)	SIGNED	4	TCT_ENCLAVE_TIME_ON_CP	Work unit on CP
632	(278)	SIGNED	4	TCT_DEP_ENCLAVE_TIME_ON_CP	Work unit on CP
636	(27C)	SIGNED	4	TCT_CEPI	SMF30CEPI
640	(280)	SIGNED	4	TCT_TIME_ON_SUP	Work unit on SUP
644	(284)	SIGNED	4	TCT_TIME_SUP_ON_CP	SUP-eligible work unit on CP
648	(288)	SIGNED	4	TCT_ENCLAVE_TIME_ON_SUP	Work unit on SUP
652	(28C)	SIGNED	4	TCT_ENCLAVE_TIME_SUP_ON_CP	SUP-eligible work unit on CP
656	(290)	SIGNED	4	TCT_ENCLAVE_TIME_SUP_QUAL	SUP-qualified time
660	(294)	SIGNED	4	TCT_DEPENC_TIME_ON_SUP	Work unit on SUP
664	(298)	SIGNED	4	TCT_DEPENC_TIME_SUP_ON_CP	SUP-eligible work unit on CP
668	(29C)	SIGNED	4	TCT_DEPENC_TIME_SUP_QUAL	SUP-qualified time
672	(2A0)	DBL WORD	8	TCTSVTEX	64-bit Total Block Count (this field is the 64-bit equivalent of TCTSVTEP)
680	(2A8)	DBL WORD	8	TCTTPEXX	Last Value of 64-bit EXCP Count for TP (this field is the 64-bit equivalent of TCTTPEXP)
688	(2B0)	SIGNED	4	TCT_CRP	SMF30CRP
692	(2B4)	SIGNED	4	TCTSMFXP	Pointer to SMFTCT extension section
696	(2B8)	SIGNED	4	TCTLUCNT	Count of DD entries in TCTIOT lookup table
700	(2BC)	SIGNED	4	TCT_MISSED_TCTDCTR	Accumulated I/O block counts that were not accumulated into TCTDCTR because the SMFIOCNT service could not get the proper serialization on the TCTIOT
704	(2C0)	SIGNED	4	TCTSV_MISSED_TCTDCTR	Last value of TCT_Missed_TCTDCTR, used for calculating the delta
708	(2C4)	SIGNED	4	TCT_MISSED_TCTCONN	Accumulated device connect time that was not accumulated into TCTCONN because the SMFIOCNT service could not get the proper serialization on the TCTIOT
712	(2C8)	SIGNED	4	TCTSV_MISSED_TCTCONN	Last value of TCT_Missed_TCTCONN, used for calculating the delta
DO NOT add new TCT fields here. They should be added to the TCT extension (IEFTCTX).					

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
716	(2CC)	CHARACTER	4	TCTBNDRY	Reserved for alignment of TCTEND
716	(2CC)	X'2D0'	0	TCTEND	"*" END OF TCT MAPPING - This address ***MUST*** be on doubleword boundary. Adjust the length of the TCTBNDRY field or comment it out as necessary.
716	(2CC)	X'2D0'	0	TCTCOMZ	"*-SMFTCT" - LENGTH OF TCT COMMON SECTION
		TCT STORAGE TABLE A SEPARATE TABLE IS USED TO DESCRIBE THE STORAGE OBTAINED FOR A TASK. THE STORAGE TABLE IS CONTIGUOUS TO THE TCT. IT IS POINTED TO BY THE TCTCRTBL FIELD IN THE TCT COMMON SECTION.			
720	(2D0)	DBL WORD	8	TCTCORE(0)	- START OF TCT STORAGE TABLE POINTED TO BY TCTCRTBL
720	(2D0)	SIGNED	4	TCTLWM	- MAX VIRTUAL STORAGE IN USER SUBPOOLS BELOW 16M
724	(2D4)	SIGNED	4	TCTHWM	- MAX VIRTUAL STORAGE IN SWA AND LSQA BELOW 16M
728	(2D8)	SIGNED	2	TCTMINC	- THE MINIMUM DIFFERENCE (IN 2K BLOCKS) BETWEEN TCTLWM AND TCTHWM. THIS FIGURE REPRESENTS THE UNUSED PORTION OF THE USER'S REGION.
730	(2DA)	SIGNED	2	TCTRSV00	- RESERVED. REGION FIELD INCREASED TO FULLWORD AND MOVED TO THE END OF THE TCT STORAGE TABLE
732	(2DC)	ADDRESS	4	TCTRBA	- FOR A V=V PROBLEM PROGRAM, LOWEST ADDRESS IN PRIVATE AREA. FOR A V=R PROBLEM PROGRAM, LOWEST ADDRESS IN REGION. (OS/VS2) MDC012
736	(2E0)	SIGNED	4	TCTEHWM	- MAX VIRTUAL STORAGE IN SWA AND LSQA ABOVE 16M
740	(2E4)	SIGNED	4	TCTELWM	- MAX VIRTUAL STORAGE IN USER SUBPOOLS ABOVE 16M
744	(2E8)	SIGNED	4	TCTRGNB	PRIVATE AREA BELOW 16M IN BYTES
748	(2EC)	SIGNED	4	TCTERGNB	PRIVATE AREA ABOVE 16M IN BYTES
752	(2F0)	SIGNED	4	TCTRSZ	ORIGINAL REGION REQUEST IN 2K BLOCKS
756	(2F4)	SIGNED	4	TCTRSV01	- RESERVED
760	(2F8)	DBL WORD	8	TCTMEM	- MEMLIMIT IN MB
768	(300)	CHARACTER	1	TCTMEMS	- SOURCE OF MEMLIMIT
769	(301)	CHARACTER	3	TCTRSV02	- RESERVED
769	(301)	X'34'	0	TCTCREZ	"*-TCTCORE" - LENGTH OF TCT STORAGE TABLE
769	(301)	X'304'	0	TCTBIG	"*-SMFTCT" - COMBINED LENGTH OF TCT COMMON SECTION AND TCT STORAGE TABLE

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		TCT INPUT/OUTPUT MEASUREMENT TABLE THE TCT I/O MEASUREMENT TABLE (TCTTIOT) IS COMPOSED OF THE TCT I/O LOOKUP TABLE AND THE TCT I/O COUNTER TABLE. IT IS USED TO COLLECT I/O MEASUREMENTS AT THE DD LEVEL. THE TCTTIOT IS NOT CONTIGIOUS TO THE TCT. THE TCTIOTBL FIELD IN THE TCT COMMON SECTION POINTS TO THE TCTTIOT. THE TCTTIOT IS CREATED BY IEFIB660 IN SUBPOOL 255/KEY 0 AND RESIDES ABOVE THE 16M LINE. THE TCT I/O LOOKUP TABLE CONTAINS 1 COMMON SECTION AND A DD LOOKUP TABLE. THE DD LOOKUP TABLE IS AN ARRAY WITH EACH ELEMENT REPRESENTING ONE DD ENTRY IN THE TIOT (IEFTIOT). SMF REFERENCES THESE DD LOOK-UP ENTRIES TO FIND THE FIRST DEVICE ENTRY IN THE TCT I/O COUNTER TABLE ASSOCIATED WITH A PARTICULAR DD. THE TCT I/O COUNTER TABLE CONSISTS OF ONE DD ENTRY PER ENTRY IN THE DD LOOK-UP TABLE. EACH DD ENTRY CONSISTS OF 1 OR MORE 24 BYTE DEVICE ENTRIES WHICH REPRESENT THE UCBS ASSOCIATED WITH THE DD. THERE IS ONE 8 BYTE OUTPUT LIMIT EXTENSION WHICH IS USED BY GPD. THE SIZE OF THE TCTTIOT IS DEPENDENT ON THE NUMBER OF DDS PER JOB. THERE IS 1 DD LOOKUP TABLE PER DD AND 1 DEVICE ENTRY PER DEVICE (UCB) PER DD.			
769	(301) X'304'		0	TCTTIOT	"*" - BEGINNING OF TCT I/O TABLE
	TCT I/O LOOKUP TABLE (ONE TABLE PER DD)				
772	(304) SIGNED		4	TCTPLEXT(0)	- SUBPOOL/LENGTH OF TCT I/O TABLE
772	(304) BITSTRING		1		- SUBPOOL IN WHICH THE TCT I/O TABLE RESIDES
773	(305) BITSTRING		3	TCTSZEXT	SIZE IN BYTES OF TCT I/O TABLE
776	(308) SIGNED		4	TCTSZLKP	- NUMBER OF DEVICE ENTRIES IN THE TCT TCTDDLEN TABLE TIMES 24
776	(308) X'8'		0	TCTCOMIO	"*-TCTTIOT" - LENGTH OF TCT I/O TABLE COMMON SECTION
	DD LOOKUP TABLE ENTRY (ONE ENTRY PER DD ENTRY IN THE TIOT)				
776	(308) X'30C'		0	TCTIODSP	"*" - START OF DD LOOKUP TABLE ENTRY
780	(30C) SIGNED		4	TCTDCBTD	- OFFSET FROM THE TIOT ORIGIN TO THE TIOT ENTRY FOR THE DD STATEMENT ASSOCIATED WITH THE ACCESSED DATA SET NOTE: THE TIOT ENTRIES MAY -NOT- BE CONTIGUOUS.
784	(310) SIGNED		4	TCTIOTSD	- OFFSET FROM THE TCT I/O TABLE ORIGIN TO THE DD ENTRY, WITHIN THE TCT I/O COUNTER TABLE, ASSOCIATED WITH THE ACCESSED DATA SET
788	(314) SIGNED		4	TCTDCBLE	- END OF TCT I/O LOOKUP TABLE (ZEROS)
	TCT I/O COUNTER TABLE (ONE ENTRY PER DD ENTRY IN THE DD LOOK-UP TABLE) DEVICE ENTRY (ONE ENTRY PER DEVICE (UCB) PER DD)				
788	(314) X'318'		0	TCTDDENT	"*" - START OF TCT I/O COUNTER TABLE (DEVICE ENTRY)

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
792	(318)	SIGNED	4	TCTUCBP	- ADDRESS OF THE UCB ASSOCIATED WITH THIS DEVICE
796	(31C)	SIGNED	1	TCTSCTR	- NUMBER OF DEVICES ASSOCIATED WITH THIS DD STATEMENT. THIS NUMBER REPRESENTS THE NUMBER OF DEVICE ENTRIES WITHIN THIS DD ENTRY. THIS FIELD CONTAINS ZEROS IN ALL BUT ITS FIRST APPEARANCE IN ANY DD ENTRY. X'FF' INDICATES SYSIN DATA SET (OS/VS1). ICB375
797	(31D)	BITSTRING	1	TCTFLGS	- FLAG BYTE MDC013
		1...		TCTDDIND	"X'80'" - END OF CONCATENATED DD STRING (OS/VS1) MDC014
		.1..		TCTVAMDS	"X'40'" - VAM DATA SET ENTRY. TCTUCBP FIELD IS ZERO WHEN THIS BIT IS ONE. MDC015
		..1.		TCTNOCNT	"X'20'" - IF ON, DO NOT COUNT THE EXCP (OS/VS1) (MDC301)
		...1		TCTRSV22	"X'10',,C'X'" - RESERVED
		.... 1...		TCTRSV23	"X'08',,C'X'" - RESERVED
		.... .1..		TCTRSV24	"X'04',,C'X'" - RESERVED
		.... ..1.		TCTRSV25	"X'02',,C'X'" - RESERVED
		1		TCTRSV26	"X'01',,C'X'" - RESERVED
798	(31E)	SIGNED	2	TCTBLKSZ	- BLOCK SIZE FOR THIS DD NAME
		1...		TCTCBSZ	"X'80'" CHANGED BLOCK SIZE IF ON
800	(320)	SIGNED	4	TCTDCTR	- COUNTER FOR EXCP'S ISSUED AGAINST THIS UCB (DEVICE) The value in this field can grow to 'FFFFFFFF'x. Continued growth past 'FFFFFFFF' will result in the value "wrapping" back to zero and continuing to grow.
804	(324)	SIGNED	4	TCTDCTRS	- SAVED EXCP COUNT FOR THIS ENTRY
808	(328)	SIGNED	4	TCTCONN	- DEVICE CONNECT TIME
812	(32C)	SIGNED	4	TCTCONNS	- SAVED DEVICE CONNECT TIME
816	(330)	BITSTRING	8	TCTXBLKS	BLOCKSIZE >32K FOR THIS DD NAME
816	(330)	X'20'	0	TCTDDLEN	"*-TCTUCBP"
OUTPUT LIMIT EXTENSION					
824	(338)	BITSTRING	4	TCTRSV10	- *** TCTOUTLM FIELD RESERVED IN OS/VS ***
828	(33C)	SIGNED	1	TCTEXRLD	- A BINARY NUMBER OF EXTENTS RELEASED BY THE DADSM RELEASE ROUTINE. COLLECTED ONLY IF RLSE WAS SPECIFIED IN THE SPACE PARAMETER FOR THIS DATA SET.
829	(33D)	SIGNED	3	TCTTKRLD	- A BINARY NUMBER OF TRACKS RELEASED BY THE DADSM RELEASE ROUTINE. COLLECTED ONLY IF RLSE WAS SPECIFIED IN THE SPACE PARAMETER FOR THIS DATA SET.

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		EXTENDED TCTIOT CONTROL BLOCK THE ETCTIOT IS A CHAIN OF 4K BLOCKS. EACH 4K BLOCK CONSISTS OF A 16 BYTE HEADER AND AN ARRAY OF A MAXIMUM OF 340 ELEMENTS. EACH ELEMENT IS 12 BYTES IN LENGTH AND REPRESENTS A DD ENTRY IN THE TCTTIOT. THE ETCTIOT IS NOT CONTIGUOUS TO THE TCT COMMON SECTION OR THE TCTTIOT. THE FIRST ETCTIOT IS POINTED TO BY THE TCTFETIO FIELD IN THE TCT COMMON SECTION. ADDITIONAL FIELDS EXIST IN THE TCT COMMON SECTION WHICH DESCRIBE THE ETCTIOT CHAIN. THE ETCTIOT IS CREATED BY IEFIB660 IN SUBPOOL 255 AND KEY 0. THE CHAIN RESIDES ABOVE THE 16M LINE. THERE IS 1 ETCTIOT CHAIN PER ADDRESS SPACE. THE SIZE OF THE CHAIN IS BASED ON THE NUMBER OF DDS PER JOB: MINUMUM CHAIN = 1 4K BLOCK (1 4096 = 4096 BYTES) AVERAGE CHAIN = 1 4K BLOCK (AVERAGE JOB < 100 DDS) MAXIMUM CHAIN = 10 4K BLOCKS (10 4096 = 40,960 BYTES) = MAXIMUM CHAIN IS BASED ON 3273 DDS ETCTIOT HEADER (ONE HEADER PER BLOCK)			
829	(33D) X'340'	0	ETCTIOT	"*" - EXTENDED TCTIOT
829	(33D) X'340'	0	ETCTHDR	"*" - ETCTIOT HEADER SECTION
832	(340) CHARACTER	7	ETCTID	- ETCTIOT IDENTIFIER = 'ETCTIOT'
839	(347) CHARACTER	1	ETCTVER	- ETCTIOT VERSION NUMBER = X'01'
840	(348) SIGNED	4	ETCTFCHN	- NEXT ETCTIOT BLOCK ADDRESS
844	(34C) SIGNED	4	ETCTBCHN	- PREVIOUS ETCTIOT BLOCK ADDRESS
	ETCTIOT ELEMENT (MAXIMUM OF 340 12 BYTE ELEMENTS PER BLOCK)			
844	(34C) X'350'	0	ETCTNTRY	"*" ETCTIOT DD ENTRY
848	(350) SIGNED	4	ETCTNEXT	- NEXT TOKEN
	1...		ETCTIUSE	"X'80'" - ENTRY IN USE (1=IN USE)
852	(354) SIGNED	4	ETCTDSAB	- DSAB ADDRESS OF ENTRY
856	(358) SIGNED	4	ETCTSTIO	- TCTIOT DD LOOKUP ENTRY OFFSET
	TCTOMVS - TCT OpenMVS Process Data Table The OpenMVS Process Data Table is 104 bytes. Size should always be a multiple of 8. THE TCT OpenMVS PROCESS DATA TABLE (TCTOMVS) IS POINTED TO BY TCTOMVSP IN THE TCT COMMON SECTION.			
856	(358) X'35C'	0	TCTOMVS	"*" - TCT OpenMVS Table
860	(35C) CHARACTER	8	TCTOMVSH(0)	- TCT OpenMVS Header Section
860	(35C) CHARACTER	4	TCTOID	Control Block ID 'TCTO'
864	(360) SIGNED	4	TCTOSPLN(0)	Control Block Subpool and Length
864	(360) BITSTRING	1	TCTOSP	- Subpool
865	(361) BITSTRING	3	TCTOLN	- Length
868	(364) CHARACTER	96	TCTOMVSD(0)	- TCT OpenMVS Data Section
868	(364) SIGNED	4	TCTOPI	- Process ID
872	(368) SIGNED	4	TCTOPG	- Process Group ID
876	(36C) SIGNED	4	TCTOUI	- Process User ID
880	(370) SIGNED	4	TCTOUG	- Process User Group ID
884	(374) SIGNED	4	TCTOSI	- Process Session ID
888	(378) SIGNED	4	TCTOSC	- Number of syscals requested
892	(37C) SIGNED	4	TCTOST	- Total CPU Time accumulated by the syscals requested
896	(380) SIGNED	4	TCTODR	- Number of directory I/O blocks read

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
900	(384)	SIGNED	4	TCTOFR	- Number of I/O blocks read for standard files
904	(388)	SIGNED	4	TCTOFW	- Number of I/O blocks written for standard files
908	(38C)	SIGNED	4	TCTOPR	- Number of I/O blocks read for pipe files
912	(390)	SIGNED	4	TCTOPW	- Number of I/O blocks written for pipe files
916	(394)	SIGNED	4	TCTOSR	- Number of I/O blocks read for special files
920	(398)	SIGNED	4	TCTOSW	- Number of I/O blocks written for special files
924	(39C)	SIGNED	4	TCTOLL	- Number of path name Lookup calls to the logical file system
928	(3A0)	SIGNED	4	TCTOLP	- Number of path name Lookup calls to the physical file system
932	(3A4)	SIGNED	4	TCTOGL	- Number of path name Generation calls to the logical file system
936	(3A8)	SIGNED	4	TCTOGP	- Number of path name Generation calls to the physical file system
940	(3AC)	SIGNED	4	TCTOPP	- OpenMVS parent process ID number
944	(3B0)	SIGNED	4	TCTOKR	- Number of I/O blocks read for Remote socket by the process
948	(3B4)	SIGNED	4	TCTOKW	- Number of I/O blocks written for Remote socket by the process
952	(3B8)	SIGNED	4	TCTOMS	- Number of message queues bytes sent
956	(3BC)	SIGNED	4	TCTOMR	- Number of message queues bytes received
960	(3C0)	SIGNED	4	TCTOSY	- Number of sync() function calls
		TCTARM - TCT ARM Data Table The ARM data table is 88 bytes. The TCT ARM Data Table (TCTARM) is pointed to by TCTARMP in the TCT common section.			
960	(3C0)	X'3C4'	0	TCTARM	"*" - TCT ARM Table
964	(3C4)	CHARACTER	4	TCTAID	Control Block ID 'TCTA'
968	(3C8)	SIGNED	4	TCTASPLN(0)	Control Block Subpool and Length
968	(3C8)	BITSTRING	1	TCTASP	- Subpool
969	(3C9)	BITSTRING	3	TCTALN	- Length
972	(3CC)	CHARACTER	80	TCTARMD(0)	- TCT ARM Data
972	(3CC)	CHARACTER	16	TCTARNM	Element Name
988	(3DC)	CHARACTER	8	TCTARTP	Element Type
996	(3E4)	CHARACTER	16	TCTARRG	Restart Group for Element
1012	(3F4)	CHARACTER	8	TCTARSN	The system name for the system on which the element was initially started. blank, for the initial start
1020	(3FC)	SIGNED	4	TCTARGT	- Time (local) Element requested REGISTER Function, in hundredths of a second

Table 429. Structure SMFTCT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1024	(400)		1	TCTARGD	- Date Element requested REGISTER Function, in the form 0cyydddF (where 'F' is the sign)
1028	(404)	SIGNED	4	TCTARWT	- Time (local) Element requested WAITPRED function, in hundredths of a second Note that this is the time that the function was requested, not satisfied. 0, if the element has not requested the function.
1032	(408)		1	TCTARWD	- Date Element requested WAITPRED function, in the following format: 0cyydddF (where 'F' is the sign) 0, if the element has not requested the function.
1036	(40C)	SIGNED	4	TCTARYT	- Time (local) Element was READY, in hundredths of a second 0, if the element is not yet READY
1040	(410)		1	TCTARYD	- Date Element was READY, in the following format: 0cyydddF (where 'F' is the sign) 0, if the element is not yet READY
1044	(414)	SIGNED	4	TCTARTT	- Time (local) Element was DEREGISTERED, in hundredths of a second 0, if the element is not yet DEREGISTERED or ended abnormally.
1048	(418)		1	TCTARTD	- Date Element was DEREGISTERED, in the following format: 0cyydddF (where 'F' is the sign) 0, if the element is not yet DEREGISTERED or ended abnormally.

Table 430. Cross Reference for TCT

Name	Offset	Hex Tag
ETCTBCHN	34C	
ETCTDSAB	354	
ETCTFCHN	348	
ETCTHDR	33D	340
ETCTID	340	
ETCTIOT	33D	340
ETCTIUSE	350	80
ETCTNEXT	350	
ETCTNTRY	34C	350
ETCTSTIO	358	
ETCTVER	347	
SMFTCT	0	
TCT_CEPI	27C	
TCT_CEPI_F	26C	40

Table 430. Cross Reference for TCT (continued)

Name	Offset	Hex Tag
TCT_CRP	2B0	
TCT_CRP_F	26C	20
TCT_DEP_ENCLAVE_TIME_IFA_ON_CP	268	
TCT_DEP_ENCLAVE_TIME_IFA_ON_CP_F	26C	4
TCT_DEP_ENCLAVE_TIME_ON_CP	278	
TCT_DEP_ENCLAVE_TIME_ON_CP_F	26C	80
TCT_DEP_ENCLAVE_TIME_ON_IFA	264	
TCT_DEP_ENCLAVE_TIME_ON_IFA_F	26C	8
TCT_DEPENC_TIME_ON_SUP	294	
TCT_DEPENC_TIME_ON_SUP_F	26C	8
TCT_DEPENC_TIME_SUP_ON_CP	298	
TCT_DEPENC_TIME_SUP_ON_CP_F	26C	4
TCT_DEPENC_TIME_SUP_QUAL	29C	
TCT_DEPENC_TIME_SUP_QUAL_F	26C	40
TCT_ENCLAVE_TIME_IFA_ON_CP	260	
TCT_ENCLAVE_TIME_IFA_ON_CP_F	26C	10
TCT_ENCLAVE_TIME_ON_CP	274	
TCT_ENCLAVE_TIME_ON_CP_F	26C	1
TCT_ENCLAVE_TIME_ON_IFA	25C	
TCT_ENCLAVE_TIME_ON_IFA_F	26C	20
TCT_ENCLAVE_TIME_ON_SUP	288	
TCT_ENCLAVE_TIME_ON_SUP_F	26C	20
TCT_ENCLAVE_TIME_SUP_ON_CP	28C	
TCT_ENCLAVE_TIME_SUP_ON_CP_F	26C	10
TCT_ENCLAVE_TIME_SUP_QUAL	290	
TCT_ENCLAVE_TIME_SUP_QUAL_F	26C	80
TCT_MISSED_TCTCONN	2C4	
TCT_MISSED_TCTDCTR	2BC	
TCT_TIME_IFA_ON_CP	258	
TCT_TIME_IFA_ON_CP_F	26C	40
TCT_TIME_ON_CP	270	
TCT_TIME_ON_CP_F	26C	2
TCT_TIME_ON_IFA	254	
TCT_TIME_ON_IFA_F	26C	80
TCT_TIME_ON_SUP	280	
TCT_TIME_ON_SUP_F	26C	80
TCT_TIME_SUP_ON_CP	284	
TCT_TIME_SUP_ON_CP_F	26C	40
TCTACT	44	
TCTACTRT	3	2
TCTADMFR	F4	
TCTADMFW	F0	
TCTAID	3C4	
TCTAJS	40	
TCTALN	3C9	
TCTANSC	134	
TCTARGD	400	
TCTARGT	3FC	
TCTARM	3C0	3C4

Table 430. Cross Reference for TCT (continued)

Name	Offset	Hex Tag
TCTARMD	3CC	
TCTARMP	1FC	
TCTARNM	3CC	
TCTARRG	3E4	
TCTARSN	3F4	
TCTARTD	418	
TCTARTP	3DC	
TCTARTT	414	
TCTARWD	408	
TCTARWT	404	
TCTARYD	410	
TCTARYT	40C	
TCTASF	138	10
TCTASP	3C8	
TCTASPLN	3C8	
TCTASST	20C	
TCTASSTC	220	
TCTAST	38	
TCTATR	48	
TCTBIG	301	304
TCTBLKSZ	31E	
TCTBNDRY	2CC	
TCTCBSZ	31E	80
TCTCOMIO	308	8
TCTCOMP	130	80
TCTCOMZ	2CC	2D0
TCTCONN	328	
TCTCONNS	32C	
TCTCORE	2D0	
TCTCPUS	20	
TCTCREZ	301	34
TCTCRTBL	8	
TCTCSF	138	40
TCTCTF	138	80
TCTDCBLE	314	
TCTDCBTD	30C	
TCTDCOPN	3	1
TCTDCTI	B4	
TCTDCTR	320	
TCTDCTRS	324	
TCTDDENT	314	318
TCTDDIND	31D	80
TCTDDLEN	330	20
TCTDEF	138	4
TCTDET	228	
TCTDUMMY	130	40
TCTEBLK	120	
TCTECPT	210	
TCTECPTC	224	

Table 430. Cross Reference for TCT (continued)

Name	Offset	Hex Tag
TCTECPU	218	
TCTEFAVL	124	
TCTEFLGS	130	
TCTEHPT	F8	
TCTEHWM	2E0	
TCTEIIP	DC	
TCTEINFO	114	
TCTEJST	6C	
TCTELAVL	128	
TCTELEN	11E	
TCTELWM	2E4	
TCTENAVL	12C	
TCTEND	2CC	2D0
TCTENF	138	8
TCTERCT	E0	
TCTERGNB	2EC	
TCTER0EC	EC	
TCTER0FC	FC	
TCTER100	100	
TCTESUBP	11C	
TCTETC	21C	
TCTETIM	214	
TCTEXP	3	
TCTEXRLD	33C	
TCTE39PP	E8	
TCTFETIO	114	
TCTFLAGS	13A	
TCTFLGS	31D	
TCTHPF	138	40
TCTHWM	2D4	
TCTIABD	3	8
TCTIAF	138	1
TCTICF	138	4
TCTIEX	3	40
TCTIIF	138	80
TCTINTDT	110	
TCTINTST	10C	
TCTIOCS	2C	
TCTIODSP	308	30C
TCTIOSAV	B0	
TCTIOTBL	C	
TCTIOTSD	310	
TCTIR104	104	
TCTIR108	108	
TCTISF	138	8
TCTISK30	3	20
TCTISK32	3	10
TCTISRB	88	
TCTISS	1A0	

Table 430. Cross Reference for TCT (continued)

Name	Offset	Hex Tag
TCTITCB	84	
TCTIVF	138	2
TCTJMR	1C	
TCTJSTI	3	80
TCTJSTX	24	
TCTLCTAD	98	
TCTLETIO	118	
TCTLIN	30	
TCTLINSV	78	
TCTLOUT	34	
TCTLOUTS	7C	
TCTLRRCT	AC	
TCTLUCNT	2B8	
TCTLWM	2D0	
TCTMEM	2F8	
TCTMEMS	300	
TCTMINC	2D8	
TCTMSCT	D8	
TCTMSOFF	D8	80
TCTMSOS	4C	
TCTNOCNT	31D	20
TCTODR	380	
TCTOFR	384	
TCTOFW	388	
TCTOGL	3A4	
TCTOGP	3A8	
TCTOID	35C	
TCTOKR	3B0	
TCTOKW	3B4	
TCTOLL	39C	
TCTOLN	361	
TCTOLP	3A0	
TCTOMR	3BC	
TCTOMS	3B8	
TCTOMVS	358	35C
TCTOMVSD	364	
TCTOMVSH	35C	
TCTOMVSP	188	
TCTOPG	368	
TCTOPI	364	
TCTOPP	3AC	
TCTOPR	38C	
TCTOPW	390	
TCTOSC	378	
TCTOSI	374	
TCTOSP	360	
TCTOSPLN	360	
TCTOSR	394	
TCTOST	37C	

Table 430. Cross Reference for TCT (continued)

Name	Offset	Hex Tag
TCTOSW	398	
TCTOSY	3C0	
TCTOUG	370	
TCTOUI	36C	
TCTPARMS	C0	
TCTPDASD	54	
TCTPGIN	40	
TCTPGOUT	44	
TCTPGSMF	40	
TCTPLEXT	304	
TCTPMSS	64	
TCTPOOL	10	
TCTPPST	3C	
TCTPRMSP	C4	
TCTPTAPE	5C	
TCTQA	0	
TCTRBA	2DC	
TCTRCF	138	20
TCTRDASD	58	
TCTRGNB	2E8	
TCTRGNS	48	
TCTRMSS	68	
TCTRQSVP	E4	
TCTRSMGT	1E4	
TCTRSV00	2DA	
TCTRSV01	2F4	
TCTRSV02	301	
TCTRSV08	20	
TCTRSV10	338	
TCTRSV22	31D	10
TCTRSV23	31D	8
TCTRSV24	31D	4
TCTRSV25	31D	2
TCTRSV26	31D	1
TCTRSZ	2F0	
TCTRTAPE	60	
TCTSACT	28	
TCTSCTR	31C	
TCTSIN	4C	
TCTSMFXP	2B4	
TCTSNAME	C8	
TCTSOUT	50	
TCTSRBS	50	
TCTSRBT	70	
TCTSRMSP	13B	
TCTSTOF	24	
TCTSTPRN	3	4
TCTSUBNM	184	
TCTSV_MISSED_TCTCONN	2C8	

Table 430. Cross Reference for TCT (continued)

Name	Offset	Hex Tag
TCTSV_MISSED_TCTDCTR	2C0	
TCTSVTEP	74	
TCTSVTEX	2A0	
TCTSW	3	
TCTSZE	12	
TCTSZEXT	305	
TCTSZLKP	308	
TCTTCB	4	
TCTTCT	D0	
TCTTCT2	13A	80
TCTTIMER	B8	
TCTTIOT	301	304
TCTTJLM	28	
TCTTKRLD	33D	
TCTTMRFL	138	
TCTTMRFL2	26C	
TCTTMRSP	BC	
TCTTPCNA	168	
TCTTPCON	160	
TCTTPDAR	17C	
TCTTPDAT	170	
TCTTPDCT	158	
TCTTPEXP	154	
TCTTPEXX	2A8	
TCTTPNUM	15C	
TCTTPREC	178	
TCTTPSEN	16C	
TCTTPSRB	150	
TCTTPTAC	164	
TCTTPTCB	14C	
TCTTPTYP	148	
TCTTRAN	80	
TCTT30AH	200	
TCTT30H	94	
TCTT30J	8C	
TCTT30JA	208	
TCTT30JE	198	
TCTT30JP	19C	
TCTT30JR	250	
TCTT30PH	18C	
TCTT30S	90	
TCTT30SA	204	
TCTT30SE	190	
TCTT30SP	194	
TCTT30SR	24C	
TCTT30UH	1F0	
TCTT30UJ	1F8	
TCTT30US	1F4	
TCTT32J	9C	

Table 430. Cross Reference for TCT (continued)

Name	Offset	Hex Tag
TCTT32S	A0	
TCTT33J	140	
TCTT33S	144	
TCTT33SP	13C	
TCTUACA	1D0	
TCTUACL	1CC	
TCTUCBP	318	
TCTUDATA	18	
TCTUFCA	1E0	
TCTUFCAC	1DC	
TCTUTCA	1D8	
TCTUTCAC	1D4	
TCTUTIMR	1E8	
TCTUTL	14	
TCTUTPRM	1EC	
TCTVAF	138	10
TCTVAMDS	31D	40
TCTVUF	138	20
TCTWLMT	2C	
TCTXBLKS	330	
TCT30AIC	22C	
TCT30AID	230	
TCT30AIS	238	
TCT30AIW	234	
TCT30ATR	1C8	
TCT30CN	1A8	
TCT30CNA	1AC	
TCT30DAR	1C0	
TCT30DAT	1B4	
TCT30EIC	23C	
TCT30EID	240	
TCT30EIS	248	
TCT30EIW	244	
TCT30REC	1BC	
TCT30SEN	1B0	
TCT32BLK	A8	
TCT32SP	A4	

Chapter 122. TDCM Information

TDCM Heading Information

Common Name: PAGEABLE DISPLAY CONTROL MODULE MAPPING MACRO
Macro ID: IEETDCM
DSECT Name: DCMSTRT, DCMSCTA, DCMSCTC, DCMORDER
Owning Component: DIDOCS (SC1C4)
Eye-Catcher ID:
```
TDCM
Offset:  0
Length:  4
```
Storage Attributes:
```
Subpool:   229 or 239 (for HMCS consoles)
Key:       0
Residency: 31-bit storage
```
Size:
```
Base section:    X'638' bytes
SIB section:     ((10+# cols) * # rows) * 2
DOM ids section:  18 bytes per row
SCT section:       4 bytes per row
SSCT section:      2 bytes per row
Query Response:  344 bytes
Adjunct Orders:   22 bytes per row
MCT section:       4 bytes per row
MCS/SMCS Input : 264 bytes
BLENT Area:      304 bytes for screen sizes under
46x80. 320 bytes for screen
sizes 46x80 to 91x80. Max of
560 bytes for screen size of
255x255.
MGCRE Parm List:  60 bytes (mapped by IEZMGCRE)
HMCS Data:       116 bytes if an HMCS console
```
Created by: IEECVFTW
Pointed to by: DCMADTRN IN RDCM
Serialization: LOCAL AND CMS LOCKS
Function:
```
THIS MACRO MAPS THE PAGEABLE DISPLAY
CONTROL MODULE (TDCM).
```

TDCM mapping

Table 431. Structure DCMSTRT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	1592	DCMSTRT	
0	(0)	CHARACTER	4	DCMOACRO	CNTL BLK ACRONYM 'TDCM'
4	(4)	CHARACTER	1	DCMFLG1	TDCM AREA INDICATORS
		1...		DCM_RPQ_IO_FAILED	I/O error during RPQ processing
		.1..		*	RESERVED
		..1.		*	RESERVED
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		DCMOUTPT	TDCM UPDATED FOR OUTPUT ONLY
		1		*	RESERVED

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
5	(5)	CHARACTER	1	DCMATI	SAVED UCB ATTN INDEX
6	(6)	CHARACTER	2	*	RESERVED
8	(8)	ADDRESS	4	DCMWTINT	DCMWTINT INITIAL VALUE
12	(C)	SIGNED	2	DCMLNCNT	NUMBER OF LINES TO BLANK
14	(E)	CHARACTER	1	DCMLNNUM	FIRST LINE TO BLANK
15	(F)	UNSIGNED	1	DCMGFLG	HOLDMODE INDICATORS
		1...		DCMHOLD	CONSOLE IS IN HOLDMODE
		.1..		DCMMWISS	MESSAGE IEE159I HAS BEEN ISSUED
		..11 1111		*	RESERVED
16	(10)	SIGNED	4	DCMPACK	AREA TO PLACE NUMBER FOR PACKING
20	(14)	SIGNED	4	DCMCVBIN	AREA FOR CONVERSION TO BINARY
		TIMER COMMUNICATION FIELD			
24	(18)	CHARACTER	1	DCMTIMES	TIME RTNS INDICATOR BYTE
		1...		DCMTIMER	TIME ELAPSED FOR THIS DISPLAY
		.1..		DCMOPTTI	OPTIONS TO TI RTN
		..1.		*	RESERVED
		...1		DCMOTTMM	OPTIONS OR TI RTNS TO MSG MODULE
		.... 1...		*	RESERVED
		.... .1..		DCMTASYN	TIMER SET FOR ASYNC ERROR MSG
		.... ..1.		DCMOCTTI	OPEN-CLOSE TO TI RTN
		1		DCMRMTTI	ROLL MODE TO TIMER ROUTINE
		CONTROL BLOCK VERSION IDENTIFICATION			
25	(19)	UNSIGNED	1	DCMTVERN	CONTROL BLOCK VERSION
26	(1A)	SIGNED	2	*	RESERVED
		ADDRESS TABLE			
28	(1C)	ADDRESS	4	DCMHMCSBUFF@	Pointer to HMCS I/O buffer
32	(20)	ADDRESS	4	DCMDOMPK	ADDRESS OF FIRST DOM NUMBER
36	(24)	ADDRESS	4	DCMAMTAB	ADDRESS OF FIRST SCT ENTRY
40	(28)	ADDRESS	4	DCMADSEC	ADDRESS OF FIRST SSCT ENTRY
44	(2C)	ADDRESS	4	DCMADDRL	ADDRESS OF LAST SCT ENTRY
48	(30)	ADDRESS	4	DCMASCRN	POINTER TO SCREEN IMAGE BUFFER
52	(34)	ADDRESS	4	DCMLSCRN	POINTER TO LAST BUFFER LINE
56	(38)	ADDRESS	4	DCMWTBUF	SCREEN LENGTH POINTER
60	(3C)	ADDRESS	4	DCMAINS	POINTER TO INSTRUCTION LINE
64	(40)	ADDRESS	4	DCMAENTR	POINTER TO ENTRY AREA
68	(44)	ADDRESS	4	DCMAWARN	POINTER TO WARNING LINE
72	(48)	ADDRESS	4	DCMADCHP	ADDRESS OF CHANNEL PROGRAM AREA
76	(4C)	ADDRESS	4	DCMPFKLN	POINTER TO PFK LINE
80	(50)	SIGNED	4	DCMCXSVE	CXSA SAVE AREA
84	(54)	ADDRESS	4	DCMADOPN	ADDRESS OF COMMAND OPERAND
88	(58)	SIGNED	4	DCMDSAV(5)	SAVE AND WORK AREA
		This area serves two purposes: 1) Command text to pass to MGCRE. Length of text must directly precede the command text. The MGCRE parameter list will point to this text. 2) KPARM list (mapped by IEECVMAP). Note that DCMINPUT is larger than the 126 byte limit for commands to contain two extra bytes for the KPARM list mapping.			
108	(6C)	CHARACTER	132	DCM_CMD_TEXT_KPARM_AREA	Command text and KPARM list area

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
108	(6C)	SIGNED	2	DCM_KPARM_START	Start of KParm list. This field not used for command text
110	(6E)	SIGNED	2	DCMINLGN	Cmd text length. This field name not used by KParm list but IEECVMAP mapping name will assign this area
112	(70)	CHARACTER	128	DCMINPUT	Command text
		GENERAL LENGTH VALUES			
240	(F0)	SIGNED	2	DCMLGNTH	LENGTH OF A LINE
242	(F2)	SIGNED	2	DCMBAINC	ADDRESS TO INSERT CURSOR
244	(F4)	SIGNED	2	DCMSSCTL	LENGTH OF ONE SSCT ENTRY
246	(F6)	SIGNED	2	DCMBADLN	BUFFER ADDR TO BEGIN MSG WRITE
248	(F8)	SIGNED	2	DCMBYTCT	NUMBER OF BYTES TO WRITE
250	(FA)	SIGNED	2	DCMADNUM	NEXT LINE NUMBER
252	(FC)	SIGNED	2	DCMAXLGN	MAXIMUM LINE LENGTH
254	(FE)	SIGNED	2	DCMMSGAL	NUMBER OF LINES IN MESSAGE AREA
256	(100)	SIGNED	2	DCMRMINC	INCREMENT INTO RMI
258	(102)	SIGNED	2	DCMSCTCN	LENGTH OF ONE SCT ENTRY
260	(104)	SIGNED	2	DCMCORLN	LENGTH OF TDCM LINE IN CORE
262	(106)	SIGNED	2	*	TIME COUNTER
264	(108)	CHARACTER	1	DCMPFKNM	NUMBER OF KEY BEING PROCESSED
265	(109)	CHARACTER	1	DCMPFKKN	LIST KEY NUMBER
		VALUES FOR OPTIONS			
266	(10A)	CHARACTER	2	DCMDEL	DEL VALUE
268	(10C)	CHARACTER	1	DCMCON	CON VALUE
269	(10D)	ADDRESS	1	DCMSEG	SEG VALUE
270	(10E)	ADDRESS	1	DCMDL	DISPLAY AREA OPTION
271	(10F)	ADDRESS	1	DCMRNUM	ROLL NUMBER VALUE
272	(110)	SIGNED	2	DCMRTME	ROLL TIME VALUE IN TENTHS OF SECONDS
		DEFAULT VALUES FOR OPTIONS			
274	(112)	ADDRESS	1	DCMSEGDF	SEG DEFAULT
275	(113)	ADDRESS	1	DCMRNUMD	RNUM DEFAULT
276	(114)	SIGNED	2	DCMRTMED	RTME DEFAULT IN TENTHS OF SECONDS
		MCT TABLE CONSTANTS			
278	(116)	SIGNED	2	DCMMCTCN	LENGTH OF ONE MCT ENTRY
280	(118)	CHARACTER	3	*	RESERVED
		COMMUNICATIONS AREAS			
283	(11B)	CHARACTER	1	DCMOPTST	STATUS OF SCREEN CONTROL OPTIONS
		1...		DCMOPTVR	DELETE VERIFICATION CON=(Y=1,N=0)
		.1..		DCMOPTAD	AUTOMATIC DELETION DEL=(Y=1,N=0)
		..1.		DCMOPTSG	DEFAULT SEGMENT SPECIFIED SEG=(0=0)
		...1		DCMOPRLL	Roll/Wrap mode? (Y=1, N=0)
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		*	RESERVED
284	(11C)	CHARACTER	1	DCMCS	OPEN/CLOSE REQUEST
		1...		DCMCSC	CLOSE REQUEST
		.1..		DCMCSO	OPEN REQUEST
		..1.		DCMISRPQ	ISSUE READ PARTITION QUERY
		...1		DCMRDRPQ	READ RESULT OF READ PARTITION QUERY
		.... 1...		DCMRETIO	RETURN TO I/O ROUTINE
		.... .1..		DCMSWAPT	TDCM SWAP IS NEEDED
		.... ..1.		DCM_REISSUE_IO	I/O JUST ISSUED IS TO be re-issued
		1		DCM_BUFFER_2_ENTRY_NEEDED	Data needs to be copied from the input area to the entry area
285	(11D)	CHARACTER	1	DCMUTILT	INTERNAL FLAGS
		1...		DCMUTILA	THESE BITS ARE
		.1..		DCMUTILB	INITIALIZED AND USED
		..1.		DCMUTILC	SOLELY WITHIN
		...1		DCMUTILD	EACH MODULE
		.... 1...		DCMUTILE	They are
		.... .1..		DCMUTILF	never used
		.... ..1.		DCMUTILG	for
		1		DCMUTILH	interface
286	(11E)	CHARACTER	1	DCMDSTAT	CURRENT DISPLAY STATUS
		1...		*	RESERVED
		.1..		*	RESERVED
		..1.		DCMDSTNM	MESSAGES ARE NUMBERED
		...1		DCMDSTNH	MSGS NUMBERED - HOLD OPTION
		.... 1...		*	RESERVED - WAS DCMDSINR
		.... .1..		DCMDSAUT	AUTOMATIC DELETION TRIED
		.... ..1.		*	RESERVED
		1		*	RESERVED
		MCS INTERFACE FIELD			
287	(11F)	CHARACTER	1	DCMMCSST	MCS INTERFACE BYTE
		1...		DCMDUSE	DIDOCS IN CONTROL
		.1..		*	RESERVED
		..1.		*	RESERVED
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		DCMOOMSS	MESSAGE STREAM ENTRY
		.... ..1.		*	RESERVED
		1		DCMOOSDS	STATUS DISPLAY ENTRY
		UNIQUE INTERFACE FIELD			
288	(120)	CHARACTER	1	DCMIOUNQ	UNIQUE IO BYTE
		1...		*	RESERVED WAS DCMIO226
		.1..		*	RESERVED
		..1.		DCMFRSCN	PUT OUTPUT IN HOLD MODE
		...1		DCMRDARM	PERFORM READ AFTER RMI
		.... 1...		DCMW2250	DEVICE HAS LIGHT PEN
		.... .1..		DCMINNOR	NORMAL INSTRUCTION LINE
		.... ..1.		DCMINERR	ERROR INSTRUCTION LINE

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		DCMEWASP	ERASE/WRITE ALTERNATE COMMAND SUPPORTED
		I/O COMMUNICATION FIELDS			
289	(121)	CHARACTER	1	DCMIOCM1	IO COMMUNICATIONS BYTE 1
		1...		DCMDORMI	ISSUE RMI
		.1..		DCMSOUND	SOUND ALARM
		..1.		DCMWRWRN	WRITE WARNING LINE
		...1		DCMWRMSG	WRITE FULL MESSAGE AREA
		.... 1...		DCMWRPAR	WRITE PARTIAL MESSAGE AREA
		.... .1..		DCMWRINS	WRITE INSTRUCTION LINE
		.... ..1.		DCMWRENT	WRITE ENTRY AREA
		1		DCMINSC	INSERT CURSOR
290	(122)	CHARACTER	1	DCMIOCM2	IO COMMUNICATIONS BYTE 2
		1...		DCMBLENT	BLANK ENTRY AREA
		.1..		DCMBLWRL	BLANK LEFT HALF WARNING LINE
		..1.		DCMBLWRR	BLANK RIGHT HALF WARNING LINE
		...1		DCMINSSH	INIT AND SHIFT INSTRUCTION LINE
		.... 1...		DCMOOL_WRITE	Write Out-Of_Line Display
		.... .1..		DCMERASE	PERFORM ERASE
		.... ..1.		DCMIOCRD	PERFORM READ
		1		DCMWRASY	WRITE ASYNC ERROR MSG TO MID-SCREEN
291	(123)	CHARACTER	1	DCMIOCM3	IO COMMUNICATIONS BYTE 3
		1...		DCMOOL_REFRESH	Refresh the OOL displays
		.1..		DCMPFK_REFRESH	Refresh the PFK line
		..1.		DCMEWAND	ERASE/WRITE ALTERNATE COMMAND NEEDED
		...1		DCMWRPFK	TDCM WRITE PFK AREA
		.... 1...		DCMPFKAT	PFK ATTENTION
		.... .1..		DCMRDPFK	PFK AREA READ
		.... ..1.		DCMCQUED	MULTIPLE COMMANDS QUEUED
		1		DCMKPROC	PFK being processed
292	(124)	CHARACTER	1	DCMLINEN	LINE NUMBER TO BEGIN WRITE
293	(125)	CHARACTER	1	DCMCULNO	LINE IN ENTRY AREA TO INSERT CURSOR
294	(126)	CHARACTER	1	DCMPOSCU	POSITION TO INSERT CURSOR
		ASYNCHRONOUS ERROR COMMUNICATIONS FIELD			
295	(127)	CHARACTER	1	DCMASYNC	ASYN ERROR COMMUNICATIONS/RETRY BYTE
		1...		*	RESERVED
		.1..		DCMASDA	DATA CHECK RETRY BIT
		..1.		DCMASIN	INVALID BUFFER ADDR CHECK RETRY BIT
		...1		DCMASBA	BUFFER ADDR PARITY CHECK RETRY BIT
		.... 1...		DCMASEWA	PERMANENT ERROR ON EWA DEVICE RETRIED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
		COMMUNICATION FIELDS			

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
296	(128)	CHARACTER	1	DCMCOM1	COMMUNICATIONS BYTE
		1...		DCMLPENT	ENTER BY LP OR CURSOR
		.1..		DCMIOPRD	READ PERFORMED
		..1.		DCMCOMRM	RMI PERFORMED
		...1		DCMCOMAU	PERFORM AUTO DELETE
		.... 1...		DCMCOMRD	PERFORM REGULAR DELETE
		.... .1..		DCMCOMNM	NUMBER MESSAGES
		.... ..1.		DCMCLEAR	CLEAR KEY WAS PRESSED
		1		DCMCANCL	INDICATE CANCEL TO COMMAND ROUTINE
297	(129)	CHARACTER	1	DCMCOM2	COMMUNICATIONS BYTE
		1...		DCMCM2I	INPUT TO BE PROCESSED
		.1..		DCMSPLIT	MSG TO BE SPLIT
		..1.		DCMCOMAR	ACCEPTED REPLY
		...1		DCMREPLC	REPEAT LAST COMMAND KEY (PA1) PRESSED
		.... 1...		DCMERPF	ERASE PERF-PROC CAN NOW CLOSE DEVICE
		.... .1..		*	Reserved. Was DCMCMIN5
		.... ..1.		*	Reserved. Was DCMCBLNK
		1		DCMAE	CLEANUP FOR ASY ERROR
298	(12A)	CHARACTER	1	DCMCOM3	COMMUNICATIONS BYTE
		1...		DCMCDSP3	DISPLAY 3 COMPLETED WORK
		.1..		DCMRTPFK	RETURN TO PFK ROUTINE
		..1.		DCMVLPFK	VERIFYING LAST COMMAND
		...1		DCMXINT1	ENTRY FOR INTERFACE 1 ROUTINE
		.... 1...		DCMOLUNV	O-O-L MSG CAUSED UNVIEW. MSG.
		.... .1..		*	RESERVED
		.... ..1.		DCMOLHLD	OUT OF LINE MESSAGES HELD
		1		*	Reserved. Was DCMCMIN7
		MESSAGE MODULES COMMUNICATION FIELDS			
299	(12B)	CHARACTER	1	DCMCMSG1	MSG MODULE COMMUNICATIONS BYTE
		1...		DCMMSGWT	MOVE IN MESSAGE WAITING
		.1..		DCMUNMSG	MOVE IN UNVIEWABLE MESSAGE
		..1.		DCMSTEX	MOVE IN STATUS EXISTS
		...1		DCMCHOPT	MOVE IN CHANGE OPTIONS
		.... 1...		DCMELONG	MOVE IN ENTRY TOO LONG
		.... .1..		DCMWRCDL	MOVE IN CON=N,DEL=Y
		.... ..1.		DCMDELNT	MOVE IN DEL UNCHANGED, NO TIMER
		1		*	RESERVED
300	(12C)	CHARACTER	1	DCMCMSG2	MSG MODULE COMMUNICATIONS BYTE
		1...		DCMDLREQ	MOVE IN DELETION REQUESTED
		.1..		DCMRQINC	MOVE IN REQUEST INCONSISTENT
		..1.		DCMMSGCR	MOVE IN INVALID CURSOR OPERATION
		...1		DCMINVOP	MOVE IN INVALID OPERAND
		.... 1...		DCMCILLP	MOVE IN ILLEGAL LP OPERATION
		.... .1..		DCMDELRI	MOVE IN DELETE REQUEST INCONSISTENT
		.... ..1.		DCMASYRT	MOVE IN ASYN ERROR RETRYABLE
		1		DCMASYCD	MOVE IN ASYN ERROR MAYBE RETRYABLE
301	(12D)	CHARACTER	1	DCMCMSG3	MSG MODULE COMMUNICATIONS BYTE

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		DCMCMRLL	MOVE IN ROLL MODE MESSAGE
		.1..		DCMCDLR1	NO DELETABLE MESSAGES
		..1.		DCMCDLR2	INVALID RANGE
		...1		DCMCDLR3	SEG EQU TO ZERO
		.... 1...		DCMCDLR4	DISPLAY NOT ON SCREEN
		.... .1..		DCMCDLR5	INVALID OPERAND
		.... ..1.		*	RESERVED
		1		DCMDTBSY	COMMAND REJECTED - TASK BUSY
302	(12E)	CHARACTER	1	DCMCMSG4	MSG MODULE COMMUNICATIONS BYTE
		1...		DCMPFKNA	MOVE IN PFK NOT ALLOCATED FOR
		.1..		DCMPFKND	MOVE IN PFK NOT DEFINED
		..1.		DCMPFKNO	MOVE IN NO PFK ALLOCATION
		...1		DCMPFKIP	MOVE IN PFK IN PROCESS
		.... 1...		DCMNPFKT	MOVE IN NO PFK TABLES
		.... .1..		DCMTABND	MOVE IN PFK TABLE NOT DEFINED
		.... ..1.		DCMKRPIP	MOVE IN K REQUEST INCONSISTENT - PFK IN USE
		1		*	RESERVED
		SVC 34 COMMUNICATIONS FIELD			
303	(12F)	CHARACTER	1	DCMSVC34	SVC 34 COMMUNICATION BYTE
		1...		DCMMYCMD	COMMAND TO BE HANDLED BY THIS CONS
		.1..		DCMINVLD	INVALID K COMMAND
		..1.		DCMTYPE1	K COMMAND IS NOT ROUTABLE
		...1		*	RESERVED
		.... 1...		*	RESERVED
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
304	(130)	CHARACTER	1	DCMCOM4	COMMUNICATION BYTE
		1...		*	Reserved. Was DCMCNTRL
		.111 1111		*	RESERVED
		INDEX FOR I/O ROUTINE			
305	(131)	CHARACTER	1	DCMIONDX	INDEX FOR SELECTING THE APPROPRIATE IO ROUTINE X'04'=RESERVED X'08'=RESERVED X'0C'=RESERVED X'10'=3270-TYPE-DEVICE, IEECVETU
306	(132)	SIGNED	2	DCMTEST	RESERVED FOR TESTING
		MODULE ADDRESSES			
308	(134)	CHARACTER	120	DCMADMOD	STRUCTURE OF MODULE ADDRESSES
308	(134)	ADDRESS	4	DCMIORTN	IEECVETU - APPROPRIATE I/O ROUTINE
312	(138)	CHARACTER	116	DCMNMODS	MODULE ADDRESS
312	(138)	ADDRESS	4	*	RESERVED
316	(13C)	ADDRESS	4	DCMNPROC	IEECVET1 - PROCESSOR ROUTINE LOAD ONE
320	(140)	ADDRESS	4	DCMNDSP1	IEECVET2 - DISPLAY ROUTINE 1
324	(144)	ADDRESS	4	DCMNDSP2	IEECVET3 - DISPLAY ROUTINE 2
328	(148)	ADDRESS	4	DCMNDSP3	IEECVFT2 - DISPLAY ROUTINE 3

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
332	(14C)	ADDRESS	4	DCMNCMD1	IEECVET4 - COMMAND ROUTINE 1
336	(150)	ADDRESS	4	DCMNDEL1	IEECVET6 - DELETE ROUTINE 1
340	(154)	ADDRESS	4	DCMNDEL2	IEECVET7 - DELETE ROUTINE 2
344	(158)	ADDRESS	4	DCMNDEL3	IEECVET8 - DELETE ROUTINE 3
348	(15C)	ADDRESS	4	DCMNDEL4	IEECVET9 - DELETE ROUTINE 4
352	(160)	ADDRESS	4	DCMNOPT1	IEECVETA - OPTIONS ROUTINE 1
356	(164)	ADDRESS	4	DCMNPFK1	IEECVFTA - PFK ROUTINE 1
360	(168)	ADDRESS	4	DCMNPFK2	IEECVFTB - PFK ROUTINE 2
364	(16C)	ADDRESS	4	DCMNERRO	IEECVETC - ASYNCHRONOUS ERROR ROUTINE
368	(170)	ADDRESS	4	DCMNMSG1	IEECVETD - MESSAGE ROUTINE 1
372	(174)	ADDRESS	4	DCMNMSG2	IEECVETE - MESSAGE ROUTINE 2
376	(178)	ADDRESS	4	DCMNMSG3	IEECVFTD - MESSAGE ROUTINE 3
380	(17C)	ADDRESS	4	DCMNLPCR	IEECVETF - LIGHT PEN/CURSOR SERVICE ROUTINE
384	(180)	ADDRESS	4	DCMNOPCL	IEECVETG - OPEN/CLOSE ROUTINE
388	(184)	ADDRESS	4	DCMNCLN	IEECVFTG - CLEANUP MODULE
392	(188)	ADDRESS	4	*	Reserved
396	(18C)	ADDRESS	4	DCMNTIMR	IEECVETK - TIMER INTERPRETER ROUTINE
400	(190)	ADDRESS	4	*	Reserved
404	(194)	ADDRESS	4	DCMNINT2	IEECVFTM - INTERFACE 2 ROUTINE
408	(198)	ADDRESS	4	DCMNINT3	IEECVFTN - INTERFACE 3 ROUTINE
412	(19C)	ADDRESS	4	*	Reserved. Was DCMNINT4(FTO)
416	(1A0)	ADDRESS	4	DCMNINT5	IEECVFTP - INTERFACE 5 ROUTINE
420	(1A4)	ADDRESS	4	DCMNINT6	IEECVFTQ - INTERFACE 6 ROUTINE
424	(1A8)	ADDRESS	4	*	Reserved. Was DCMNINT7(FTT)
		DIDOCS MODULE TRACE AREA			
428	(1AC)	CHARACTER	92	DCMTRACE	TO-AREA FOR TRACE MOVE
428	(1AC)	CHARACTER	2	*	OLDEST TRACE ENTRY
430	(1AE)	CHARACTER	90	DCMTRAC2	FROM-AREA FOR TRACE MOVE
430	(1AE)	CHARACTER	88	*	
518	(206)	CHARACTER	2	DCMTREN	CURRENT TRACE ENTRY
518	(206)	CHARACTER	1	DCMTREN1	1ST BYTE OF NEW ENTRY
519	(207)	CHARACTER	1	DCMTREN2	2ND BYTE OF NEW ENTRY
		FOLLOWING GROUP OF BYTES ARE DEVICE DEPENDENT			
520	(208)	CHARACTER	1	DCMASKEN	ENTER MASK
521	(209)	CHARACTER	1	DCMASKCN	CANCEL MASK
522	(20A)	CHARACTER	1	DCMASKCR	CURSOR MASK
523	(20B)	CHARACTER	1	DCMASKLP	LIGHT PEN MASK
524	(20C)	CHARACTER	1	DCMSKPF1	1ST PFK TYPE MASK
525	(20D)	CHARACTER	1	DCMSKPF2	2ND PFK TYPE MASK
526	(20E)	CHARACTER	1	DCMSKPF3	3RD PFK TYPE MASK
527	(20F)	CHARACTER	1	DCMSKPF4	4TH PFK TYPE MASK
528	(210)	CHARACTER	1	DCMASKCL	CLEAR KEY MASK
529	(211)	CHARACTER	1	DCMSKPA1	PA1 KEY MASK
530	(212)	CHARACTER	1	DCMSKPA3	PA3 KEY MASK
531	(213)	CHARACTER	1	DCMSKSRQ	Sys Request key
532	(214)	CHARACTER	4	*	RESERVED
		ADDRESSES OF PARTS OF THE SCREEN IMAGE BUFFER WHEN IN FULL CAPABILITY MODE			

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
536	(218)	ADDRESS	4	DCMSADCN	FIRST ADCON IN LIST
536	(218)	ADDRESS	4	DCMFLLA	LAST LINE IN MSG AREA
540	(21C)	ADDRESS	4	DCMFLL1A	LAST LINE IN MSG AREA + 1
544	(220)	ADDRESS	4	DCMFLSCT	SCT FOR LAST LINE IN MSG AREA
548	(224)	ADDRESS	4	DCMFSCT1	SCT FOR LAST LINE IN MSG AREA + 1
552	(228)	ADDRESS	4	DCMFSSCT	SSCT FOR LAST LINE IN MSG AREA + 1
556	(22C)	ADDRESS	4	DCMFENT2	2ND LINE OF ENTRY AREA
560	(230)	ADDRESS	4	DCMFMCT1	MCT FOR LAST LINE IN MSG AREA + 1
564	(234)	ADDRESS	4	*(5)	RESERVED
		ADDRESSES OF PARTS OF THE SCREEN IMAGE BUFFER WHEN IN MESSAGE STREAM MODE			
584	(248)	ADDRESS	4	DCMMLLA	LAST LINE IN MSG AREA
588	(24C)	ADDRESS	4	DCMMLL1A	LAST LINE IN MSG AREA + 1
592	(250)	ADDRESS	4	DCMMLSCT	SCT FOR LAST LINE IN MSG AREA
596	(254)	ADDRESS	4	DCMMSCT1	SCT FOR LAST LINE IN MSG AREA + 1
600	(258)	ADDRESS	4	DCMMSSCT	SSCT FOR LAST LINE IN MSG AREA + 1
604	(25C)	ADDRESS	4	DCMMMCT1	MCT FOR LAST LINE IN MSG AREA + 1
608	(260)	ADDRESS	4	*(1)	RESERVED
		ADDRESSES OF PARTS OF THE SCREEN IMAGE BUFFER WHEN IN STATUS DISPLAY MODE			
612	(264)	ADDRESS	4	DCMDLLA	LAST LINE IN MSG AREA
616	(268)	ADDRESS	4	DCMDLL1A	LAST LINE IN MSG AREA + 1
620	(26C)	ADDRESS	4	DCMDLSCT	SCT FOR LAST LINE IN MSG AREA
624	(270)	ADDRESS	4	DCMDSCT1	SCT FOR LAST LINE IN MSG AREA + 1
628	(274)	ADDRESS	4	DCMDSSCT	SSCT FOR LAST LINE IN MSG AREA + 1
632	(278)	ADDRESS	4	DCMDMCT1	MCT FOR LAST LINE IN MSG AREA + 1
636	(27C)	ADDRESS	4	*(1)	RESERVED
		Miscellaneous Addresses/Fields			
640	(280)	ADDRESS	4	DCMLSSCT	ADDRESS OF LAST SSCT
644	(284)	ADDRESS	4	DCMAEORD	ADDR OF ADJUNCT EXTENDED ORDERS
648	(288)	ADDRESS	4	DCMQAPTR	ADDR OF DATA OBTAINED FROM READ PARTITION QUERY
652	(28C)	ADDRESS	4	DCMFIMCT	ADDRESS OF FIRST MCT
656	(290)	ADDRESS	4	DCMLAMCT	ADDRESS OF LAST MCT
660	(294)	ADDRESS	4	DCMOOL_SIB_PTR	ADDRESS OF OUT-OF-LINE SIB
664	(298)	ADDRESS	4	DCMOOL_FRST	POINTER TO FIRST LINE IN OOL SIB
668	(29C)	SIGNED	4	DCMIORTN_COMM	I/O ROUTINE COMMUNICATION FIELD
672	(2A0)	ADDRESS	4	DCM_MGCRE_PTR	Pointer to MGCRE parameter list
676	(2A4)	ADDRESS	4	*	RESERVED
		NUMBER OF LINES IN MESSAGE AREA AND ENTRY AREA VALUES			

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
680	(2A8)	UNSIGNED	1	DCMFNLMA	MAX NUMBER LINES IN MSG AREA WHEN IN FULL CAPABILITY MODE
681	(2A9)	UNSIGNED	1	DCMMNLMA	MAX NUMBER LINES IN MSG AREA WHEN IN MESSAGE STREAM MODE
682	(2AA)	UNSIGNED	1	DCMDNLMA	MAX NUMBER LINES IN MSG AREA WHEN IN STATUS DISPLAY MODE
683	(2AB)	UNSIGNED	1	DCMENTL1	LINE NUMBER -1 OF 1ST LINE IN ENTRY AREA
684	(2AC)	UNSIGNED	1	DCMENTL2	LINE NUMBER -1 OF 2ND LINE IN ENTRY AREA
685	(2AD)	UNSIGNED	1	DCMINLNM	LINE NUMBER -1 OF INSTRUCTION LINE
686	(2AE)	SIGNED	2	*	RESERVED
688	(2B0)	SIGNED	2	DCMFENRC	ADDR OF 2ND LINE IN ENTRY AREA IN ROW-COLUMN FORMAT
690	(2B2)	SIGNED	2	DCMENTPO	OFFSET OF 1ST CHAR IN ENTRY AREA
692	(2B4)	SIGNED	2	DCMSCRW	WIDTH OF SCREEN
694	(2B6)	SIGNED	2	DCMLENTY	LENGTH OF ENTRY AREA
696	(2B8)	SIGNED	4	*	RESERVED
Pointers for last command retrieve buffer.					
700	(2BC)	ADDRESS	4	DCMRBUFC	Pointer to next command to be executed by the enter function
704	(2C0)	ADDRESS	4	DCMRBUFA	Pointer to last command retrieve buffer
708	(2C4)	ADDRESS	4	DCMRBUFR	Pointer to next entry in last command buffer to be retrieved
712	(2C8)	ADDRESS	4	DCMRBUFE	Pointer to next entry in last command buffer to be copied into
716	(2CC)	ADDRESS	4	DCMRBFRC	Pointer to current entry in last command buffer used for retrieve function
720	(2D0)	CHARACTER	108	*	Reserved
SAVE AREAS					
828	(33C)	SIGNED	4	DCMTLEN	TDCM LENGTH
832	(340)	CHARACTER	6	DCMAIDSV	SAVE AREA FOR AID FROM RMI
838	(346)	SIGNED	2	*	RESERVED
840	(348)	ADDRESS	4	DCMTRDCM	POINTER TO RDCM
844	(34C)	ADDRESS	4	DCMNXTOR	ADDR OF NEXT ADJUNCT EXTENDED ORDER
848	(350)	UNSIGNED	1	DCMCROW	CURRENT ROW NUMBER -1
849	(351)	UNSIGNED	1	DCMCCOL	CURRENT COL NUMBER -1
850	(352)	BITSTRING	1	DCMMFRMF	FULL CAPABILITY MFORM SAVEAREA
		1...		DCMMFRFT	DISPLAY TIME STAMP
		.1..		DCMMFRFJ	DISPLAY JOB NAME
		..1.		DCMMFRFS	DISPLAY SYSTEM NAME
		...1		DCMMFRFX	DON'T DISPLAY SYSTEM NAME AND JOB NAME
		 1111		*	RESERVED
851	(353)	CHARACTER	2	DCMDELFC	FULL CAPABILITY DEL SAVE
853	(355)	CHARACTER	1	DCMCONFC	FULL CAPABILITY CON SAVE
854	(356)	UNSIGNED	1	DCMSEGFC	FULL CAPABILITY SEG SAVE
855	(357)	UNSIGNED	1	DCMRNUMF	FULL CAPABILITY RNUM SAVE

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
856	(358)	UNSIGNED	2	DCMRTMEF	FULL CAPABILITY RTME SAVE IN TENTHS OF SECONDS
858	(35A)	BITSTRING	1	DCMMFRMM	MESSAGE STREAM MFORM SAVEAREA
		1...		DCMMFRMT	DISPLAY TIME STAMP
		.1..		DCMMFRMJ	DISPLAY JOB NAME
		..1.		DCMMFRMS	DISPLAY SYSTEM NAME
		...1		DCMMFRMX	DON'T DISPLAY SYSTEM NAME AND JOB NAME
		 1111		*	RESERVED
859	(35B)	CHARACTER	2	DCMDELMS	MESSAGE STREAM DEL SAVE
861	(35D)	CHARACTER	1	DCMCONMS	MESSAGE STREAM CON SAVE
862	(35E)	UNSIGNED	1	DCMSEGMS	MESSAGE STREAM SEG SAVE
863	(35F)	UNSIGNED	1	DCMRNUMM	MESSAGE STREAM RNUM SAVE
864	(360)	UNSIGNED	2	DCMRTMEM	MESSAGE STREAM RTME SAVE IN TENTHS OF SECONDS
866	(362)	SIGNED	2	DCMQALEN	LENGTH OF AREA TO HOLD READ PARTITION QUERY
868	(364)	SIGNED	2	DCMSTOFF	START OFFSET OF MULTIPLE COMMAND PARSE
870	(366)	SIGNED	2	DCMNDOFF	END OFFSET OF MULTIPLE COMMAND TEXT
872	(368)	UNSIGNED	1	DCMOOL_LINEN	LINE NUMBER OF START OF OOL TO WRITE
873	(369)	UNSIGNED	3	*	Reserved
876	(36C)	SIGNED	4	DCMOOL_BYTCT	NUMBER OF BYTES TO WRITE FOR AN OOL
		THE DCMBUFER WORK AREA IS TO BE USED ON A MODULE-BY-MODULE BASIS ONLY. THIS AREA MUST NOT BE USED AS A COMMUNICATION MEDIUM. DOING SO WOULD DEFEAT THE PURPOSE OF GIVING THE DIDOCS MODULES A SAFE WORK AREA.			
880	(370)	CHARACTER	168	DCMBUFER	MODULE WORK AREA
		MCS LOGON COMMUNICATIONS FIELDS Note these fields are used by logon processing to display the logon panel with the userid, password, group, and seclabel contained within them.			
1048	(418)	BITSTRING	1	DCMBFLGS	MCS LOGON COMMUNICATIONS FLAGS@L8A
		1...		DCMWLGPR	GENERATE LOGON PROMPT
		.1..		DCMDIDLG	DIDOCS GENERATED LOGON
		..1.		DCMLGMSG	WRITE LOGON MESSAGE
		...1		DCMICUPW	INSERT CURSER UNDER PASSWORD
		.... 1...		DCMICUGP	INSERT CURSER UNDER GROUP
		.... .1..		DCMICUSC	INSERT CURSER UNDER SECCLASS
		11		*	RESERVED
1049	(419)	UNSIGNED	1	DCMEMTYP	ERROR MESSAGE TYPE
1050	(41A)	CHARACTER	8	DCMUSRID	USERID ENTERED WITH LOGON
1058	(422)	CHARACTER	26	DCMPWORD	PASSWORD ENTERED WITH LOGON
1084	(43C)	CHARACTER	8	DCMGROUP	GROUP ENTERED WITH LOGON
1092	(444)	CHARACTER	8	DCMSCCLS	SECCLASS ENTERED WITH LOGON

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
THE DCMWORK WORK AREA IS TO BE USED ON A MODULE-BY-MODULE BASIS ONLY. THIS AREA MUST NOT BE USED AS A COMMUNICATION MEDIUM. DOING SO WOULD DEFEAT THE PURPOSE OF GIVING THE DIDOCS MODULES A SAFE WORK AREA.					
1100	(44C)	CHARACTER	16	DCMWORK	MODULE WORK AREA
1100	(44C)	CHARACTER	4	DCMWORKA	WORK AREA A
1104	(450)	CHARACTER	4	DCMWORKB	WORK AREA A
1108	(454)	CHARACTER	4	DCMWORKC	WORK AREA A
1112	(458)	CHARACTER	4	DCMWORKD	WORK AREA A
DCMCSNM STORES THE COMMAND ASSOCIATION FOR MCS CONSOLE					
1116	(45C)	CHARACTER	8	DCMCSNM	COMMAND ASSOCIATION
CHANNEL PROGRAM AREA					
1124	(464)	CHARACTER	3	DCMPFKC	SBA-A1-A2 FOR PFK LINE
1124	(464)	CHARACTER	1	*	SET BUFFER ADDR
1125	(465)	CHARACTER	2	DCMPFKRC	ADDR OF PFK LINE IN ROW-COLUMN FORMAT
1127	(467)	CHARACTER	1	*	RESERVED to get to DWORD bdy
1128	(468)	CHARACTER	1	DCMWCC	WRITE CONTROL CHARACTER
1129	(469)	CHARACTER	1	DCMEWAWC	WRITE CONTROL CHARACTER FOR ERASE/WRITE ALTERNATE
1130	(46A)	CHARACTER	7	DCMERSDT	ERASE SCREEN DATA (SBA-A1-A2-RA-A1-A2-BLANK)
1137	(471)	CHARACTER	4	DCMCRSDT	INSERT CURSOR DATA (SBA-A1-A2-IC)
1141	(475)	CHARACTER	1	DCMWCC_RESTORE	WCC for restoring keyboard
1142	(476)	CHARACTER	2	*	RESERVED
1144	(478)	CHARACTER	8	DCMCCWS	SELECT CCW

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		DCMCHPGM is used for the CCWs for MCS consoles and Write Structured Fields (WSF) for SMCS consoles. This area must be large enough to contain enough CCWs or WSFs to write an entire screen of data. To calculate the number of CCWs or WSFs needed, the following calculation is used: ((Max Rows) (Max Cols))/(Device Buffer Size) IEECVFTW can build a TDCM that is 255 rows and 255 columns, however, since DIDOCS can only use 14-bit addressing, ((Max Rows) (Max Cols)) < 16384. If DIDOCS is ever able to support 16-bit addressing, these calculations will be invalid and must be recalculated. The Device Buffer Size is dependent on the type of console. For MCS consoles, a 7K buffer size is used to perform the calculations: ((Max Rows) (Max Cols))/(Device Buffer Size) 16383 / 7168 = 3 DCMCHPGM must be big enough to hold 2 CCWs. For SMCS consoles, the Device Buffer Size is variable. It is based on the RU size, and is a minimum of 1K and a maximum of 4K. Using the 1K buffer size: ((Max Rows) (Max Cols))/(Device Buffer Size) 16383 / 1024 = 16 DCMCHPGM must be big enough to hold 15 WSFs. In reality, DCMCHPGM must be slightly larger, because these calculations only take into account the text that is actually written to the screen. There is other information that must also be written, such as the adjunct color orders. DCMCHPGM is actually large enough to hold 25 WSFs for SMCS consoles and 19 CCWs for MCS consoles.				
1152	(480)	CHARACTER	152	DCMCHPGM	CHANNEL PROGRAM AREA
1304	(518)	CHARACTER	2	DCMAAREA	CONVERSION AREA FOR A BUFFER POSITION
1304	(518)	CHARACTER	1	DCMROWA	ROW POSITION
1305	(519)	CHARACTER	1	DCMCOLA	COLUMN POSTION
1306	(51A)	CHARACTER	2	*	RESERVED
		SNA MCS Fields			
1308	(51C)	ADDRESS	4	DCMS_WSFA_PTR	POINTER TO SMCS WSF AREA
1312	(520)	ADDRESS	4	DCMS_INAREA_PTR	POINTER TO INPUT AREA FOR MCS/SMCS
1316	(524)	ADDRESS	4	DCMS_WSFA_CURPTR	POINTER TO CURRENT WSF
1320	(528)	SIGNED	4	DCMS_WSFA_LEN	LENGTH OF WSF AREA
1324	(52C)	ADDRESS	4	DCMS_BLENTA_PTR	POINTER TO BUFFER LIST ENTRIES
1328	(530)	ADDRESS	4	DCMS_BLENT_CURPTR	POINTER TO CURRENT BUFFER LIST ENTRY
1332	(534)	SIGNED	4	DCMS_BLENT_LEN	LENGTH OF BUFFER LIST ENTRIES
1336	(538)	SIGNED	2	DCMS_REISSUE_CNT	NUMBER OF TIMES I/O RETRIED
		DCMS_FLAGS must not contain flags that are used outside of IEECVET1's load module for serialization reasons. Flags that are used outside of IEECVET1 may be placed in DCMS_FLAGS2 instead.			
1338	(53A)	BITSTRING	1	DCMS_FLAGS	SMCS CONSOLE FLAGS
		1...		DCMS_RECV_ISSUED	A RECEIVE IS OUTSTANDING FOR THIS SMCS CONSOLE

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		DCMS_RE_RECEIVE	Need to go to I/O routine to reissue RECEIVE
		..1.		DCMS_ERSET	WSF CONTAINS ERASE/RESET
		...1		DCMS_ETF_EXIT	I/O ROUTINE TO EXIT TO IEECVETF
		.... 1...		DCMS_LU2	LU2 TYPE OF DEVICE (AS OPPOSED TO LU0)
		.... .1..		DCMS_LOGON_PROMPT_IN_ENTRY_AREA	Logon prompt is currently in the entry area
		The CONSOLE local lock must always be held when updating the DCMS_FLAGS2 byte. These flags may be referenced outside of IEECVET1.			
1339	(53B)	BITSTRING	1	DCMS_FLAGS2	SMCS CONSOLE FLAGS 2
		1...		*	Reserved (used to be DCMS_Output_Suspended)
		.1..		DCMS_NBB_REQUIRED	"IN BRACKET" STATE SO I/O MUST START WITH NBB (I.E., WE ARE IN THE MIDDLE OF BRACKETS)
		..1.		DCMS_DOING_SIGNAL	IEECVETZ is doing a SIGNAL@05A
1340	(53C)	ADDRESS	4	DCMS_MAX_WSF_LEN	Max size of a WSF
1344	(540)	ADDRESS	4	DCMS_RU_SIZE	RU Size from BIND
		The following fields contain screen location information when the LOGON prompt is on the screen. It is used for SMCS consoles to put the response to the prompt back into the entry area. These fields are always calculated, but are only used by consoles that support the extended data stream.			
1348	(544)	ADDRESS	4	DCMS_UID_AREA	Ptr to Entry area for Userid
1352	(548)	BITSTRING	2	DCMS_UID_14BIT	14-Bit screen address of Userid
1354	(54A)	BITSTRING	2	DCMS_UID_12BIT	12-Bit screen address of Userid
1356	(54C)	ADDRESS	4	DCMS_PWRD_AREA	Ptr to Entry area for Paswrd
1360	(550)	BITSTRING	2	DCMS_PWRD_14BIT	14-Bit screen address of Password
1362	(552)	BITSTRING	2	DCMS_PWRD_12BIT	12-Bit screen address of Password
1364	(554)	ADDRESS	4	DCMS_GRP_AREA	Ptr to Entry area for Group
1368	(558)	BITSTRING	2	DCMS_GRP_14BIT	14-Bit screen address of Group
1370	(55A)	BITSTRING	2	DCMS_GRP_12BIT	12-Bit screen address of Group
1372	(55C)	ADDRESS	4	DCMS_SECC_AREA	Ptr to Entry area for SecCls
1376	(560)	BITSTRING	2	DCMS_SECC_14BIT	14-Bit screen address of SecClass
1378	(562)	BITSTRING	2	DCMS_SECC_12BIT	12-Bit screen address of SecClass
1380	(564)	ADDRESS	4	DCMS_UID_PMPT	Address of LOGON text in entry area
1384	(568)	ADDRESS	4	DCMS_PWRD_PMPT	Address of PASSWORD text in entry area
1388	(56C)	ADDRESS	4	DCMS_GRP_PMPT	Address of GROUP text in entry area
1392	(570)	ADDRESS	4	DCMS_SECC_PMPT	Address of SECLABEL text in entry area
1396	(574)	ADDRESS	4	DCMS_CHGM_PMPT	Address of OLD/NEW/NEW text in entry area

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1400	(578)	UNSIGNED	1	DCM_UID_TEXT	Offset within the entry area of LOGON text
1401	(579)	UNSIGNED	1	DCM_UID_COL	Offset within the entry area of the userid field
1402	(57A)	UNSIGNED	1	DCM_PWRD_TEXT	Offset within the entry area of PASSWORD text
1403	(57B)	UNSIGNED	1	DCM_PWRD_COL	Offset within the entry area of the password field
1404	(57C)	UNSIGNED	1	DCM_CHGM_TEXT	Offset within the entry area of the OLD/NEW/NEW text
1405	(57D)	UNSIGNED	1	DCM_GRP_TEXT	Offset within the entry area of the GROUP text
1406	(57E)	UNSIGNED	1	DCM_GRP_COL	Offset within the entry area of the group field
1407	(57F)	UNSIGNED	1	DCM_GRP_END	Offset within the entry area of the end of the group field (this is used to set the attributes at the end of the field, since GROUP and SECLABEL are not always on the same line
1408	(580)	UNSIGNED	1	DCM_SECC_TEXT	Offset within the entry area of the SECLABEL text
1409	(581)	UNSIGNED	1	DCM_SECC_COL	Offset within the entry area of the secclass field
1410	(582)	UNSIGNED	1	DCM_REST_COL	Offset within the entry area of the end of the secclass field. This is used to set up the attributes of the rest of the entry area
1411	(583)	UNSIGNED	1	DCM_UID_E_COL	Offset within the entry area of the cursor position for the userid field
1412	(584)	UNSIGNED	1	DCM_PWRD_E_COL	Offset within the entry area of the cursor position for the password field
1413	(585)	UNSIGNED	1	DCM_GRP_E_COL	Offset within the entry area of the cursor position for the group field
1414	(586)	UNSIGNED	1	DCM_GRPEND_E_COL	Offset within the entry area of the end of the group field. This is used to set the attributes of the SECLABEL text.
1415	(587)	UNSIGNED	1	DCM_SECC_E_COL	Offset within the entry area of the cursor position for the secclas field
1416	(588)	UNSIGNED	1	DCM_REST_E_COL	Offset within the entry area of the end of the secclass field. This is used to set the attributes of the remainder of the entry area
1417	(589)	UNSIGNED	1	DCM_PWRD_E_TEXT	Offset within the entry area of the PASSWORD text used for setting the attributes of that text

Table 431. Structure DCMSTRT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1418	(58A)	UNSIGNED	1	DCM_GRP_E_TEXT	Offset within the entry area of the GROUP text used for setting the attributes of that text
1419	(58B)	UNSIGNED	1	DCM_CHGM_E_TEXT	Offset within the entry area of the OLD/NEW/NEW text used for setting the attributes of that text
1420	(58C)	UNSIGNED	1	DCM_SECC_E_TEXT	Offset within the entry area of the SECLABEL text used for setting the attributes of that text
SMCS I/O Communication Area					
1421	(58D)	BITSTRING	1	DCMS_IO_COMM_FLAGS	SMCS I/O Communication Area
		1...		DCMS_SSE_INVOKED	IEECVSSE was invoked
		.1..		DCMS_SSP_INVOKED	IEECVSSP was invoked
		..1.		DCMS_GOOD_IO	I/O was successful
		...1		DCMS_RETRY_IO	Retry last I/O
		.... 1...		DCMS_NEW_RECEIVE	Hang new RECEIVE
		.... .1..		DCMS_SAT_INVOKED	IEECVSAT was invoked
1422	(58E)	CHARACTER	2	*	Reserved
SENSE code trace for SMCS consoles.					
1424	(590)	CHARACTER	72	DCMS_SENSE_TRACE	SENSE code trace
1424	(590)	CHARACTER	12	*	Oldest trace entry
1436	(59C)	CHARACTER	60	DCMS_SENSE_TRACE_2_MOVE	Portion of trace to copy when adding to the table
1436	(59C)	CHARACTER	48	*	
1484	(5CC)	CHARACTER	12	DCMS_LAST_SENSE	Newest SENSE trace entry
IOBE. Mapped by IOSDIOBE. If the IOB ever grows in size, this will have to be updated. Use the reserved field from the bottom up to reduce the exposure that a larger IOBE will overlay data.					
1496	(5D8)	CHARACTER	48	DCM_IOBE	IOB Extension
1544	(608)	CHARACTER	48	*	Reserved
1592	(638)	CHARACTER	0	*	END ON WORD BOUNDARY

Table 432. Structure DCMSCTA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	DCMSCTA	
0	(0)	BITSTRING	1	DCMSCTA1	FIRST BYTE OF AN SCT
		1...		DCMMSGOR	WTOR MESSAGE DISPLAYED
		.1..		DCMMSGIN	MESSAGE DISPLAYED IN LINE
		..1.		DCMMSGCN	MESSAGE CONTINUED ON NEXT NEXT LINE
		...1		*	Reserved - Was DCMMSGJK
		.... 1...		DCMMSGAD	MESSAGE CAN BE AUTO DELETED
		.... .1..		DCMMSGRD	REQUEST HAS SPECIFIED MESSAGE BE REMOVED
		.... ..1.		DCMMSGIF	INFORMATIONAL MESSAGE IN LINE
		1		DCMMSGST	END OF TABLE INDICATOR

Table 432. Structure DCMSCTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		SECOND BYTE OF AN SCT			
1	(1)	BITSTRING	1	DCMSCTA2	SECOND BYTE OF AN SCT
		1...		DCMMSGAC	ACTION MESSAGE
		.1..		DCMMSGC7	DESCRIPTOR CODE 7 MESSAGE
		..1.		DCMMSG_AUTOR	Auto-Reply monitoring this WTOR
		...1		DCMMSGUA	URGENT ATTENTION MESSAGE DISPLAYED IN LINE
		.... 1...		DCMMSGEA	EVENTUAL ACTION MESSAGE DISPLAYED IN LINE - WAS DCMMSGIR
		.... .1..		DCMMSGCT	THIS IS A CONTINUED LINE
		.... ..1.		DCMMSGPP	ISSUED BY PROBLEM PROGRAM
		1		DCMMSGCL	CONTROL LINE OF AN IN-LINE MLWTO
		THIRD BYTE OF AN SCT			
2	(2)	BITSTRING	1	DCMSCTA3	THIRD BYTE OF AN SCT
		1...		*	Reserved
		.1..		DCMSEPLN	Separator line is in this line
		..11 1111		*	Reserved
		FOURTH BYTE OF AN SCT			
3	(3)	BITSTRING	1	DCMSCTA4	FOURTH BYTE OF AN SCT
		1...		DCMMSGCO	MESSAGE COLOR CHANGED BY WTO EXIT
		.1..		DCMMSGHI	MESSAGE HIGHLIGHTING CHANGED BY WTO EXIT
		..1.		DCMMSGIT	MESSAGE INTENSITY CHANGED BY WTO EXIT

Table 433. Structure DCMSCTC

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	2	DCMSCTC	
0	(0)	BITSTRING	1	DCMSCTC1	FIRST BYTE OF AN SSCT
		1...		DCMSECCL	CONTROL LINE OF O-O-L DISPLAY
		.1..		DCMSECLL	LABEL LINE OF O-O-L DISPLAY
		..1.		DCMSECDL	DATA LINE OF O-O-L DISPLAY
		...1		DCMSECBL	THIS LINE IS BLANKED
		.... 1...		DCMSEC_NEEDS_REFORMAT	Line needs to be reformatted before being displayed. Set for a control line when it is first placed in SIB. Once reformatted and displayed, this bit will not be on
		.... .1..		*	RESERVED - WAS DCMSECYY
		.... ..1.		*	Reserved - Was DCMSECDD
		1		DCMSECST	END OF TABLE INDICATOR
		SECOND BYTE OF AN SSCT ENTRY			
1	(1)	BITSTRING	1	DCMSCTC2	SECOND BYTE OF AN SSCT

Table 434. Structure DCMORDER

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	11	DCMORDER	EXTENDED ORDERS
0	(0)	CHARACTER	3	DCMSBAO	SET BUFFER ADDRESS FIELD
0	(0)	UNSIGNED	1	DCMSBA	SET BUFFER ADDRESS ORDER
1	(1)	UNSIGNED	1	DCMSBAA1	SET BUFFER ADDRESS ROW ADDR
2	(2)	UNSIGNED	1	DCMSBAA2	SET BUFFER ADDRESS COL ADDR
3	(3)	CHARACTER	8	DCMSFEO	START FIELD EXTENDED FIELD
3	(3)	UNSIGNED	1	DCMSFE	START FIELD EXTENDED ORDER
4	(4)	UNSIGNED	1	DCMSFEN	NUMBER OF TYPE/VALUE PAIRS WHICH FOLLOW
5	(5)	UNSIGNED	1	DCMSFEFT	FIELD ATTRIBUTE TYPE
6	(6)	UNSIGNED	1	DCMSFEFA	FIELD ATTRIBUTE VALUE
7	(7)	UNSIGNED	1	DCMSFECT	COLOR ATTRIBUTE TYPE
8	(8)	UNSIGNED	1	DCMSFECA	COLOR ATTRIBUTE VALUE
9	(9)	UNSIGNED	1	DCMSFEHT	HIGHLIGHTING ATTRIBUTE TYPE
10	(A)	UNSIGNED	1	DCMSFEHA	HIGHLIGHTING ATTRIBUTE VALUE

Table 435. Structure DCMSAO

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
3	(3)	STRUCTURE	7	DCMSAO	SET ATTRIBUTE FIELD
3	(3)	UNSIGNED	1	DCMSA1	SET ATTRIBUTE ORDER
4	(4)	UNSIGNED	1	DCMSAHT	HIGHLIGHTING ATTRIBUTE TYPE
5	(5)	UNSIGNED	1	DCMSAHA	HIGHLIGHTING ATTRIBUTE VALUE
6	(6)	CHARACTER	1	DCMSADAT	DATA TO HIGHLIGHT
7	(7)	UNSIGNED	1	DCMSA2	SET ATTRIBUTE ORDER
8	(8)	UNSIGNED	2	DCMSARST	CHARACTER ATTRIBUTE RESET

Table 436. Structure DCMDOMEN

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	18	DCMDOMEN	MAP OF A DOM ENTRY
0	(0)	ADDRESS	4	DCMDTCB	JOBSTEP TCB ADDRESS
4	(4)	CHARACTER	4	DCMDOMID	FOUR BYTE DOM ID
4	(4)	UNSIGNED	1	DCMDSYID	SYSTEM ID
5	(5)	CHARACTER	3	DCMDMID	DOM ID
8	(8)	CHARACTER	6	DCMDTKAS	TOKEN AND ASID
8	(8)	CHARACTER	4	DCMDTOKN	DOM TOKEN
12	(C)	UNSIGNED	2	DCMDASID	ASID
14	(E)	CHARACTER	4	DCMDRSVD	RESERVED

Table 437. Structure DCMRBUF

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	136	DCMRBUF	Map of a command retrieve buffer entry
0	(0)	ADDRESS	4	DCMRBUFF	Pointer to next command retrieve buffer entry
4	(4)	ADDRESS	4	DCMRBUFB	Pointer to previous command retrieve buffer entry

Table 437. Structure DCMRBUF (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	CHARACTER	126	DCMRBUFT	Command text
134	(86)	CHARACTER	2	*	Reserved

Table 438. Structure DCMMCTEN

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	DCMMCTEN	
0	(0)	BITSTRING	1	DCMMCTCO	FIRST BYTE OF A MCT ENTRY
		1...		DCMBLUE	MESSAGE COLOR IS BLUE
		.1..		DCMRED	MESSAGE COLOR IS RED
		..1.		DCMPINK	MESSAGE COLOR IS PINK
		...1		DCMGREEN	MESSAGE COLOR IS GREEN
		.... 1...		DCMTURQ	MESSAGE COLOR IS TURQUOISE
		.... .1..		DCMYELOW	MESSAGE COLOR IS YELLOW
		.... ..1.		DCMWHITE	MESSAGE COLOR IS WHITE
		1		DCMMCTST	TABLE STOPPER
		SECOND BYTE OF A MCT			
1	(1)	BITSTRING	1	DCMMCTHI	SECOND BYTE OF A MCT ENTRY
		1...		DCMHNONE	NO HIGHLIGHTING IN EFFECT
		.1..		DCMBLINK	BLINKING HIGHLIGHTING
		..1.		DCMRVIDO	REVERSE VIDEO HIGHLIGHT
		...1		DCMUNDER	UNDERLINE HIGHLIGHT
		THIRD BYTE OF A MCT			
2	(2)	BITSTRING	1	DCMMCTIN	THIRD BYTE OF A MCT
		1...		DCMINORM	NORMAL INTENSITY
		.1..		DCMIHIGH	HIGH INTENSITY
		FOURTH BYTE OF A MCT			
3	(3)	BITSTRING	1	DCMMCTRV	FOURTH BYTE OF A MCT

Table 439. Structure DCMS_INAREA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	264	DCMS_INAREA	INPUT AREA
0	(0)	CHARACTER	6	DCMS_ORDERS	3270 ORDERS ON INPUT
0	(0)	CHARACTER	1	DCMS_AID	ATTENTION ID
1	(1)	CHARACTER	2	DCMS_CURSOR	CURSOR ADDRESS
3	(3)	CHARACTER	1	DCMS_SBA	SET BUFFER ADDRESS ORDER
4	(4)	CHARACTER	2	DCMS_MODADDR	ADDRESS OF MODIFIED FIELD
6	(6)	CHARACTER	256	DCMS_ENTRYAR	ENTRY AREA FOR MCS/SMCS CONSOLES. HAS TO BE LARGE ENOUGH TO HANDLE LARGEST 1 LINE ENTRY AREA (255 COLUMNS) OR 2 LINE ENTRY AREA (128 COLUMNS PER LINE)
262	(106)	CHARACTER	2	*	FORCE ALIGNMENT
264	(108)	CHARACTER	0	*	BOUNDARY ALIGNMENT

Table 440. Structure DCMS_WSFAREA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	7	DCMS_WSFAREA	WSF AREA
0	(0)	CHARACTER	1	DCMS_WSF_ID	WSF ID
1	(1)	CHARACTER	6	DCMS_WSF	3270 WRITE STRUCTURED FIELD
1	(1)	CHARACTER	2	DCMS_WSF_LEN	LENGTH OF WSF AND DATA
3	(3)	CHARACTER	2	DCMS_WSF_OPERATION	Values are: 4000 - 3270 data stream request 0380 - Erase/Reset screen and put device in alternate screen size
5	(5)	CHARACTER	1	DCMS_WSF_CMDCODE	COMMAND CODES (EWA, WRITE ETC)
6	(6)	CHARACTER	1	DCMS_WSF_WCC	WRITE CONTROL CHARACTER

Table 441. Structure DCMS_SENSE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1484	(5CC)	STRUCTURE	12	DCMS_SENSE	Sense trace entry
1484	(5CC)	CHARACTER	2	DCMS_SENSE_RTNCD	RTNCD from RPL
1486	(5CE)	CHARACTER	2	DCMS_SENSE_FDBK2	FDBK2 from RPL
1488	(5D0)	CHARACTER	2	DCMS_SENSE_SSENSEI	System Sense
1490	(5D2)	CHARACTER	2	DCMS_SENSE_SSENSMI	System Sense Modifier
1492	(5D4)	CHARACTER	4	DCMS_SENSE_USENSEI	User Sense

Table 442. Structure DCMHMCS_DATA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	116	DCMHMCS_DATA	entry
0	(0)	ADDRESS	4	DCMHMCS_CURR_MLST@	Address of current MLst entry being processed
4	(4)	SIGNED	4	DCMHMCS_CURR_WRITE_BYTE_COUNT	Number of bytes of data that will be written in the next I/O operation
8	(8)	CHARACTER	1	DCMHMCS_EWA_CMD_CODE	EWA command code
9	(9)	CHARACTER	1	DCMHMCS_WRITE_CMD_CODE	Write command code
10	(A)	CHARACTER	1	DCMHMCS_READMOD_CMD_CODE	Read Modified command code
11	(B)	BITSTRING	1	DCMHMCS_FLAGS	Flags
		1...		DCMHMCS_FLAG_IO_FOR_READ	I/O is being done to read data from the console
12	(C)	ADDRESS	4	DCMHMCS_SPIPARM_ADDRESS	Address of SPI parameter list
16	(10)	ADDRESS	4	DCMHMCS_MLST_ADDRESS	Address of the MLst
20	(14)	CHARACTER	72	DCMHMCS_SAVEAREA	Save area used for I/O processing
92	(5C)	SIGNED	4	DCMHMCS_MAX_MLST_USED	Maximum number of MLst entries used
96	(60)	SIGNED	4	DCMHMCS_MAX_BYTES_USED	Maximum number of bytes sent in one MLst entry
100	(64)	CHARACTER	16	*	Reserved

Table 443. Constants for TDCM

Len	Type	Value	Name	Description
CONTROL BLOCK VERSIONS - POSSIBLE VALUES OF DCMTVERN				

Table 443. Constants for TDCM (continued)

Len	Type	Value	Name	Description
1	DECIMAL	10	DCMTVRID	Current Version level
1	DECIMAL	1	DCMTSP21	OS/VS2 HBB2102 LEVEL
1	DECIMAL	2	DCMTS212	OS/VS2 JBB2125 LEVEL
1	DECIMAL	3	DCMTS220	OS/VS2 JBB2220 LEVEL
1	DECIMAL	6	DCMTS713	JBB7713 Version Level
1	DECIMAL	10	DCMTHBB7770	HBB7770 Version Level
	The following constants are the lengths of each field (including trailing blanks) and are used to calculate the screen positions of all of the fields.			
1	DECIMAL	6	DCM_LENGTH_UID_TEXT	Length of LOGON text
1	DECIMAL	9	DCM_LENGTH_PWRD_TEXT	Length of PASSWORD text
1	DECIMAL	12	DCM_LENGTH_CHGM_TEXT	Length of OLD/NEW/NEW text
1	DECIMAL	6	DCM_LENGTH_GRP_TEXT	Length of GROUP text
1	DECIMAL	9	DCM_LENGTH_SECC_TEXT	Length of SECLABEL text
1	DECIMAL	9	DCM_LENGTH_UID_FIELD	Length of userid field
1	DECIMAL	27	DCM_LENGTH_PWRD_FIELD	Length of password field
1	DECIMAL	9	DCM_LENGTH_GRP_FIELD	Length of group field
1	DECIMAL	9	DCM_LENGTH_SECC_FIELD	Length of secclass field
4	DECIMAL	136	DCMRBFLN	Length of command retrieve buffer entry
4	DECIMAL	18	DCMDOMLN	Length of DOM entry
4	DECIMAL	264	DCMS_INAREA_LEN	LENGTH OF INPUT AREA
	Codes for 3270 Orders			
4	DECIMAL	13	DCM_3270_EWA_CMD_CODE	
4	DECIMAL	1	DCM_3270_WRITE_CMD_CODE	
4	DECIMAL	6	DCM_3270_READMOD_CMD_CODE	
4	DECIMAL	20	DCMHMCS_MLST_MAX_ENTRIES	Maximum number of MLst entries that we can use
	Constants			
4	DECIMAL	229	DCM_KSUBPOOL	
4	DECIMAL	239	DCM_KSUBPOOL_HMCS	
4	DECIMAL	4001	DCMHMCS_MAX_DATA	Max number of bytes of data to write at one time to HMCS. Determined by trial and error ('FA1'x)

Table 444. Cross Reference for TDCM

Name	Offset	Hex Tag
DCM_BUFFER_2_ENTRY_NEEDED	11C	01
DCM_CHGM_E_TEXT	58B	
DCM_CHGM_TEXT	57C	
DCM_CMD_TEXT_KPARM_AREA	6C	
DCM_GRP_COL	57E	
DCM_GRP_E_COL	585	
DCM_GRP_E_TEXT	58A	
DCM_GRP_END	57F	
DCM_GRP_TEXT	57D	
DCM_GRPEND_E_COL	586	
DCM_IOBE	5D8	

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCM_KPARM_START	6C	
DCM_MGCRE_PTR	2A0	
DCM_PWRD_COL	57B	
DCM_PWRD_E_COL	584	
DCM_PWRD_E_TEXT	589	
DCM_PWRD_TEXT	57A	
DCM_REISSUE_IO	11C	02
DCM_REST_COL	582	
DCM_REST_E_COL	588	
DCM_RPQ_IO_FAILED	4	80
DCM_SECC_COL	581	
DCM_SECC_E_COL	587	
DCM_SECC_E_TEXT	58C	
DCM_SECC_TEXT	580	
DCM_UID_COL	579	
DCM_UID_E_COL	583	
DCM_UID_TEXT	578	
DCMAAREA	518	
DCMADCHP	48	
DCMADDRL	2C	
DCMADMOD	134	
DCMADNUM	FA	
DCMADOPN	54	
DCMADSEC	28	
DCMAE	129	01
DCMAENTR	40	
DCMAEORD	284	
DCMAIDSV	340	
DCMAINS	3C	
DCMAMTAB	24	
DCMASBA	127	10
DCMASCRN	30	
DCMASDA	127	40
DCMASEWA	127	08
DCMASIN	127	20
DCMASKCL	210	
DCMASKCN	209	
DCMASKCR	20A	
DCMASKEN	208	
DCMASKLP	20B	
DCMASYCD	12C	01
DCMASYNC	127	
DCMASYRT	12C	02
DCMATI	5	
DCMAWARN	44	
DCMAXLGN	FC	
DCMBADLN	F6	
DCMBAINC	F2	
DCMBFLGS	418	

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCMBLENT	122	80
DCMBLINK	1	40
DCMBLUE	0	80
DCMBLWRL	122	40
DCMBLWRR	122	20
DCMBUFER	370	
DCMBYTCT	F8	
DCMCANCL	128	01
DCMCCOL	351	
DCMCCWS	478	
DCMCDLR1	12D	40
DCMCDLR2	12D	20
DCMCDLR3	12D	10
DCMCDLR4	12D	08
DCMCDLR5	12D	04
DCMCDSP3	12A	80
DCMCHOPT	12B	10
DCMCHPGM	480	
DCMCILLP	12C	08
DCMCLEAR	128	02
DCMCMRLL	12D	80
DCMCMSG1	12B	
DCMCMSG2	12C	
DCMCMSG3	12D	
DCMCMSG4	12E	
DCMCM2I	129	80
DCMCOLA	519	
DCMCOMAR	129	20
DCMCOMAU	128	10
DCMCOMNM	128	04
DCMCOMRD	128	08
DCMCOMRM	128	20
DCMCOM1	128	
DCMCOM2	129	
DCMCOM3	12A	
DCMCOM4	130	
DCMCON	10C	
DCMCONFC	355	
DCMCONMS	35D	
DCMCORLN	104	
DCMCQUED	123	02
DCMCROW	350	
DCMCRSDT	471	
DCMCS	11C	
DCMCSC	11C	80
DCMCSNM	45C	
DCMCSO	11C	40
DCMCULNO	125	
DCMCVBIN	14	

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCMCXSVE	50	
DCMDASID	C	
DCMDEL	10A	
DCMDELFC	353	
DCMDELMS	35B	
DCMDELNT	12B	02
DCMDELRI	12C	04
DCMDIDLG	418	40
DCMDL	10E	
DCMDLLA	264	
DCMDLL1A	268	
DCMDLREQ	12C	80
DCMDLSCT	26C	
DCMDMCT1	278	
DCMDMID	5	
DCMDNLMA	2AA	
DCMDOMEN	0	
DCMDOMID	4	
DCMDOMPK	20	
DCMDORMI	121	80
DCMDRSVD	E	
DCMDSAUT	11E	04
DCMDSAV	58	
DCMDSCT1	270	
DCMDSSCT	274	
DCMDSTAT	11E	
DCMDSTNH	11E	10
DCMDSTNM	11E	20
DCMDSYID	4	
DCMDTBSY	12D	01
DCMDTCB	0	
DCMDTKAS	8	
DCMDTOKN	8	
DCMDUSE	11F	80
DCMELONG	12B	08
DCMEMTYP	419	
DCMENTL1	2AB	
DCMENTL2	2AC	
DCMENTPO	2B2	
DCMERASE	122	04
DCMERPF	129	08
DCMERSDT	46A	
DCMEWAND	123	20
DCMEWASP	120	01
DCMEWAWC	469	
DCMFENRC	2B0	
DCMFENT2	22C	
DCMFIMCT	28C	
DCMFLG1	4	

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCMFLLA	218	
DCMFLL1A	21C	
DCMFLSCT	220	
DCMFMCT1	230	
DCMFNLMA	2A8	
DCMFRSCN	120	20
DCMFSCT1	224	
DCMFSSCT	228	
DCMGFLG	F	
DCMGREEN	0	10
DCMGROUP	43C	
DCMHMCS_CURR_MLST@	0	
DCMHMCS_CURR_WRITE_BYTE_COUNT	4	
DCMHMCS_DATA	0	
DCMHMCS_EWA_CMD_CODE	8	
DCMHMCS_FLAG_IO_FOR_READ	B	80
DCMHMCS_FLAGS	B	
DCMHMCS_MAX_BYTES_USED	60	
DCMHMCS_MAX_MLST_USED	5C	
DCMHMCS_MLST_ADDRESS	10	
DCMHMCS_READMOD_CMD_CODE	A	
DCMHMCS_SAVEAREA	14	
DCMHMCS_SPIPARM_ADDRESS	C	
DCMHMCS_WRITE_CMD_CODE	9	
DCMHMCSBUFF@	1C	
DCMHNONE	1	80
DCMHOLD	F	80
DCMICUGP	418	08
DCMICUPW	418	10
DCMICUSC	418	04
DCMIHIGH	2	40
DCMINERR	120	02
DCMINLGN	6E	
DCMINLNM	2AD	
DCMINNOR	120	04
DCMINORM	2	80
DCMINPUT	70	
DCMINSC	121	01
DCMINSSH	122	10
DCMINVLD	12F	40
DCMINVOP	12C	10
DCMIOCM1	121	
DCMIOCM2	122	
DCMIOCM3	123	
DCMIOCRD	122	02
DCMIONDX	131	
DCMIOPRD	128	40
DCMIORTN	134	
DCMIORTN_COMM	29C	

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCMIOUNQ	120	
DCMISRPQ	11C	20
DCMKPROC	123	01
DCMKRPIP	12E	02
DCMLAMCT	290	
DCMLENTY	2B6	
DCMLGMSG	418	20
DCMLGNTH	F0	
DCMLINEN	124	
DCMLNCNT	C	
DCMLNNUM	E	
DCMLPENT	128	80
DCMLSCRN	34	
DCMLSSCT	280	
DCMMCSST	11F	
DCMMCTCN	116	
DCMMCTCO	0	
DCMMCTEN	0	
DCMMCTHI	1	
DCMMCTIN	2	
DCMMCTRV	3	
DCMMCTST	0	01
DCMMFRFJ	352	40
DCMMFRFS	352	20
DCMMFRFT	352	80
DCMMFRFX	352	10
DCMMFRMF	352	
DCMMFRMJ	35A	40
DCMMFRMM	35A	
DCMMFRMS	35A	20
DCMMFRMT	35A	80
DCMMFRMX	35A	10
DCMMLLA	248	
DCMMLL1A	24C	
DCMMLSCT	250	
DCMMMCT1	25C	
DCMMNLMA	2A9	
DCMMSCT1	254	
DCMMSG_AUTOR	1	20
DCMMSGAC	1	80
DCMMSGAD	0	08
DCMMSGAL	FE	
DCMMSGCL	1	01
DCMMSGCN	0	20
DCMMSGCO	3	80
DCMMSGCR	12C	20
DCMMSGCT	1	04
DCMMSGC7	1	40
DCMMSGEA	1	08

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCMMSGHI	3	40
DCMMSGIF	0	02
DCMMSGIN	0	40
DCMMSGIT	3	20
DCMMSGOR	0	80
DCMMSGPP	1	02
DCMMSGRD	0	04
DCMMSGST	0	01
DCMMSGUA	1	10
DCMMSGWT	12B	80
DCMMSSCT	258	
DCMMWISS	F	40
DCMMYCMD	12F	80
DCMNCLN	184	
DCMNCMD1	14C	
DCMNDEL1	150	
DCMNDEL2	154	
DCMNDEL3	158	
DCMNDEL4	15C	
DCMNDOFF	366	
DCMNDSP1	140	
DCMNDSP2	144	
DCMNDSP3	148	
DCMNERRO	16C	
DCMNINT2	194	
DCMNINT3	198	
DCMNINT5	1A0	
DCMNINT6	1A4	
DCMNLPCR	17C	
DCMNMODS	138	
DCMNMSG1	170	
DCMNMSG2	174	
DCMNMSG3	178	
DCMNOPCL	180	
DCMNOPT1	160	
DCMNPFKT	12E	08
DCMNPFK1	164	
DCMNPFK2	168	
DCMNPROC	13C	
DCMNTIMR	18C	
DCMNXTOR	34C	
DCMOACRO	0	
DCMOCTTI	18	02
DCMOLHLD	12A	02
DCMOLUNV	12A	08
DCMOOL_BYTCT	36C	
DCMOOL_FRST	298	
DCMOOL_LINEN	368	
DCMOOL_REFRESH	123	80

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCMOOL_SIB_PTR	294	
DCMOOL_WRITE	122	08
DCMOOMSS	11F	04
DCMOOSDS	11F	01
DCMOPRLL	11B	10
DCMOPTAD	11B	40
DCMOPTSG	11B	20
DCMOPTST	11B	
DCMOPTTI	18	40
DCMOPTVR	11B	80
DCMORDER	0	
DCMOTTMM	18	10
DCMOUTPT	4	02
DCMPACK	10	
DCMPFK_REFRESH	123	40
DCMPFKAT	123	08
DCMPFKC	464	
DCMPFKIP	12E	10
DCMPFKKN	109	
DCMPFKLN	4C	
DCMPFKNA	12E	80
DCMPFKND	12E	40
DCMPFKNM	108	
DCMPFKNO	12E	20
DCMPFKRC	465	
DCMPINK	0	20
DCMPOSCU	126	
DCMPWORD	422	
DCMQALEN	362	
DCMQAPTR	288	
DCMRBFRC	2CC	
DCMRBUF	0	
DCMRBUFA	2C0	
DCMRBUFB	4	
DCMRBUFC	2BC	
DCMRBUFE	2C8	
DCMRBUFF	0	
DCMRBUFR	2C4	
DCMRBUFT	8	
DCMRDARM	120	10
DCMRDPFK	123	04
DCMRDRPQ	11C	10
DCMRED	0	40
DCMREPLC	129	10
DCMRETIO	11C	08
DCMRMINC	100	
DCMRMTTI	18	01
DCMRNUM	10F	
DCMRNUMD	113	

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCMRNUMF	357	
DCMRNUMM	35F	
DCMROWA	518	
DCMRQINC	12C	40
DCMRTME	110	
DCMRTMED	114	
DCMRTMEF	358	
DCMRTMEM	360	
DCMRTPFK	12A	40
DCMRVIDO	1	20
DCMS_AID	0	
DCMS_BLENT_CURPTR	530	
DCMS_BLENT_LEN	534	
DCMS_BLENTA_PTR	52C	
DCMS_CHGM_PMPT	574	
DCMS_CURSOR	1	
DCMS_DOING_SIGNAL	53B	20
DCMS_ENTRYAR	6	
DCMS_ERSET	53A	20
DCMS_ETF_EXIT	53A	10
DCMS_FLAGS	53A	
DCMS_FLAGS2	53B	
DCMS_GOOD_IO	58D	20
DCMS_GRP_AREA	554	
DCMS_GRP_PMPT	56C	
DCMS_GRP_12BIT	55A	
DCMS_GRP_14BIT	558	
DCMS_INAREA	0	
DCMS_INAREA_PTR	520	
DCMS_IO_COMM_FLAGS	58D	
DCMS_LAST_SENSE	5CC	
DCMS_LOGON_PROMPT_IN_ENTRY_AREA	53A	04
DCMS_LU2	53A	08
DCMS_MAX_WSF_LEN	53C	
DCMS_MODADDR	4	
DCMS_NBB_REQUIRED	53B	40
DCMS_NEW_RECEIVE	58D	08
DCMS_ORDERS	0	
DCMS_PWRD_AREA	54C	
DCMS_PWRD_PMPT	568	
DCMS_PWRD_12BIT	552	
DCMS_PWRD_14BIT	550	
DCMS_RE_RECEIVE	53A	40
DCMS_RECV_ISSUED	53A	80
DCMS_REISSUE_CNT	538	
DCMS_RETRY_IO	58D	10
DCMS_RU_SIZE	540	
DCMS_SAT_INVOKED	58D	04
DCMS_SBA	3	

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCMS_SECC_AREA	55C	
DCMS_SECC_PMPT	570	
DCMS_SECC_12BIT	562	
DCMS_SECC_14BIT	560	
DCMS_SENSE	5CC	
DCMS_SENSE_FDBK2	5CE	
DCMS_SENSE_RTNCD	5CC	
DCMS_SENSE_SSENSEI	5D0	
DCMS_SENSE_SSENSMI	5D2	
DCMS_SENSE_TRACE	590	
DCMS_SENSE_TRACE_2_MOVE	59C	
DCMS_SENSE_USENSEI	5D4	
DCMS_SSE_INVOKED	58D	80
DCMS_SSP_INVOKED	58D	40
DCMS_UID_AREA	544	
DCMS_UID_PMPT	564	
DCMS_UID_12BIT	54A	
DCMS_UID_14BIT	548	
DCMS_WSF	1	
DCMS_WSF_CMDCODE	5	
DCMS_WSF_ID	0	
DCMS_WSF_LEN	1	
DCMS_WSF_OPERATION	3	
DCMS_WSF_WCC	6	
DCMS_WSFA_CURPTR	524	
DCMS_WSFA_LEN	528	
DCMS_WSFA_PTR	51C	
DCMS_WSFAREA	0	
DCMSADAT	6	
DCMSADCN	218	
DCMSAHA	5	
DCMSAHT	4	
DCMSAO	3	
DCMSARST	8	
DCMSA1	3	
DCMSA2	7	
DCMSBA	0	
DCMSBAA1	1	
DCMSBAA2	2	
DCMSBAO	0	
DCMSCCLS	444	
DCMSCRW	2B4	
DCMSCTA	0	
DCMSCTA1	0	
DCMSCTA2	1	
DCMSCTA3	2	
DCMSCTA4	3	
DCMSCTC	0	
DCMSCTCN	102	

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCMSCTC1	0	
DCMSCTC2	1	
DCMSEC_NEEDS_REFORMAT	0	08
DCMSECBL	0	10
DCMSECCL	0	80
DCMSECDL	0	20
DCMSECLL	0	40
DCMSECST	0	01
DCMSEG	10D	
DCMSEGDF	112	
DCMSEGFC	356	
DCMSEGMS	35E	
DCMSEPLN	2	40
DCMSFE	3	
DCMSFECA	8	
DCMSFECT	7	
DCMSFEFA	6	
DCMSFEFT	5	
DCMSFEHA	A	
DCMSFEHT	9	
DCMSFEN	4	
DCMSFEO	3	
DCMSKPA1	211	
DCMSKPA3	212	
DCMSKPF1	20C	
DCMSKPF2	20D	
DCMSKPF3	20E	
DCMSKPF4	20F	
DCMSKSRQ	213	
DCMSOUND	121	40
DCMSPLIT	129	40
DCMSSCTL	F4	
DCMSTEX	12B	20
DCMSTOFF	364	
DCMSTRT	0	
DCMSVC34	12F	
DCMSWAPT	11C	04
DCMTABND	12E	04
DCMTASYN	18	04
DCMTEST	132	
DCMTIMER	18	80
DCMTIMES	18	
DCMTLEN	33C	
DCMTRACE	1AC	
DCMTRAC2	1AE	
DCMTRDCM	348	
DCMTREN	206	
DCMTREN1	206	
DCMTREN2	207	

Table 444. Cross Reference for TDCM (continued)

Name	Offset	Hex Tag
DCMTURQ	0	08
DCMTVERN	19	
DCMTYPE1	12F	20
DCMUNDER	1	10
DCMUNMSG	12B	40
DCMUSRID	41A	
DCMUTILA	11D	80
DCMUTILB	11D	40
DCMUTILC	11D	20
DCMUTILD	11D	10
DCMUTILE	11D	08
DCMUTILF	11D	04
DCMUTILG	11D	02
DCMUTILH	11D	01
DCMUTILT	11D	
DCMVLPFK	12A	20
DCMWCC	468	
DCMWCC_RESTORE	475	
DCMWHITE	0	02
DCMWLGPR	418	80
DCMWORK	44C	
DCMWORKA	44C	
DCMWORKB	450	
DCMWORKC	454	
DCMWORKD	458	
DCMWRASY	122	01
DCMWRCDL	12B	04
DCMWRENT	121	02
DCMWRINS	121	04
DCMWRMSG	121	10
DCMWRPAR	121	08
DCMWRPFK	123	10
DCMWRWRN	121	20
DCMWTBUF	38	
DCMWTINT	8	
DCMW2250	120	08
DCMXINT1	12A	10
DCMYELOW	0	04

Chapter 123. TEXTUNIT Information

TEXTUNIT Heading Information

Common Name:	Dynamic Allocation Text Unit Pointer List
Macro ID:	IEFZB4D1
DSECT Name:	TXTUPLST, TXTUPELM, TEXTUNIT, TEXTUFLD
Owning Component:	Allocation/unallocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: N/A Key: N/A
Size:	18 bytes
Created by:	Caller of SVC 99
Pointed to by:	S99TXTPP of SVC 99 parameter list
Serialization:	None
Function:	Provides mapping for text unit pointer list.

TEXTUNIT mapping

Table 445. Structure TXTUPLST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	TXTUPLST(*)	TEXT UNIT POINTER LIST
0	(0)	ADDRESS	4	TXTUNITP	TEXT UNIT POINTER
		1...		TXTUPEND	ON FOR LAST TEXT UNIT PTR

Table 446. Structure TXTUPELM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	TXTUPELM	ONE ELEMENT IN TEXT UNIT POINTER LIST
0	(0)	ADDRESS	4	TXTPLENT	ONE TEXT UNIT POINTER
		1...		TXTPLEND	ON WHEN THIS IS LAST TEXT UNIT POINTER

Table 447. Structure TEXTUNIT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	TEXTUNIT	TEXT UNIT
0	(0)	CHARACTER	2	TEXTUKEY	KEY
2	(2)	SIGNED	2	TEXTUNUM	NUMBER OF PARAMETERS
4	(4)	CHARACTER	*	TEXTUENT	TEXT ENTRY OF LENGTH PARM
4	(4)	SIGNED	2	TEXTULNG	LENGTH OF 1ST(OR ONLY) PARM
6	(6)	CHARACTER	*	TEXTUPAR	1ST (OR ONLY) PARAMETER

TEXTUNIT mapping

Table 448. Structure TEXTUFLD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	TEXTUFLD	TEXT ENTRY OF LENGTH+PARM
0	(0)	SIGNED	2	TEXTULEN	LENGTH OF FOLLOWING PARM
2	(2)	CHARACTER	*	TEXTUPRM	PARAMETER

Table 449. Cross Reference for TEXTUNIT

Name	Offset	Hex Tag
TEXTUENT	4	
TEXTUFLD	0	
TEXTUKEY	0	
TEXTULEN	0	
TEXTULNG	4	
TEXTUNIT	0	
TEXTUNUM	2	
TEXTUPAR	6	
TEXTUPRM	2	
TXTPLEND	0	80
TXTPLENT	0	
TXTUNITP	0	
TXTUPELM	0	
TXTUPEND	0	80
TXTUPLST	0	

Chapter 124. TFWA Information

TFWA Heading Information

Common Name:	System trace formatter work area (TFWA)
Macro ID:	IHATFWA
DSECT Name:	TFWA
Owning Component:	System trace (SC142)
Eye-Catcher ID:	TFWA Offset: 0 Length: 4
Storage Attributes:	Subpool: 229 when IEAVETFC is called by SNAP. 0 when IEAVETFC is caller by IPCS. Key: 0 when IEAVETFC is called by SNAP. Key of caller when IEAVETFC is called by IPCS.
Size:	224 bytes
Created by:	IEAVETFC - System trace table formatter controller INITIALIZATION: The creator of the control block must initialize TFWAID with the acronym 'TFWA' and TFWALEVL with the constant TFWACLVL.
Pointed to by:	The TFWA is part of the IEAVETFC dynamic workarea. For other routines it is an input parameter.
Serialization:	N/A
Function:	Describe the system trace formatter work area (TFWA) in which data critical to the formatting process is kept. The TFWA is created by the trace table formatter controller (IEAVETFC) and is passed to all modules which execute under the formatter controller.

TFWA mapping

Table 450. Structure TFWA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	336	TFWA	TRACE FORMATTER WORK AREA.
0	(0)	CHARACTER	4	TFWAID	TFWA ACRONYM.
4	(4)	BITSTRING	1	TFWALEVL	TFWA LEVEL NUMBER.
5	(5)	BITSTRING	1	*	Reserved
6	(6)	UNSIGNED	2	TFWANCPU	NUMBER OF PROCESSORS REPRESENTED IN THE TRACE TABLE.
8	(8)	ADDRESS	4	TFWAADPL	POINTER TO SNAP/PRDMP PARMLIST (MAPPED BY IHAABDPL).
12	(C)	SIGNED	2	TFWAASID	TRACE ADDRESS SPACE ASID.
14	(E)	SIGNED	2	TFWACURP	CURRENT PROCESSOR NUMBER.
16	(10)	ADDRESS	4	TFWACURB	POINTER TO THE CURRENT TRACE OUTPUT BUFFER.
20	(14)	SIGNED	4	TFWALJFE	LENGTH OF THE JUST-FILTERED OR FORMATTED TTE.
24	(18)	ADDRESS	4	TFWATTCH	ADDRESS OF TTCH TO FORMAT.

Table 450. Structure TFWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
28	(1C)	ADDRESS	4	TFWAWAEF	ADDRESS OF DYNAMIC WORKAREA OF LENGTH LENDETEF TO BE USED BY IEAVETEF.
32	(20)	ADDRESS	4	TFWAWAFA	ADDRESS OF DYNAMIC WORKAREA OF LENGTH LENDETFA TO BE USED BY IEAVETFA.
36	(24)	ADDRESS	4	TFWAWAIF	ADDRESS OF 4K DYNAMIC WORKAREA TO BE USED BY INDIVIDUAL FORMATTING ROUTINES.
40	(28)	CHARACTER	36	TFWAFP	FLAGS AND FOOTPRINTS FOR VRA.
40	(28)	BITSTRING	1	TFWAFLG1	FLAG BYTE 1.
		1...		TFWAALL	FORMAT TTES FOR ALL ASIDS.
		.1..		TFWACUR	FORMAT TTES FOR CURRENT ASID.
		..1.		TFWAFAS	FILTER TTES USING AN ASIDLIST.
		...1		TFWASNAP	SNAP DUMP REQUEST.
		.... 1...		TFWAPDSV	SVCDUMP/SYSMDUMP (IPCS) REQUEST.
		.... .1..		TFWAPDSA	STAND-ALONE DUMP (IPCS) REQUEST.
		.... ..1.		TFWABR	FORMAT BRANCH TTES.
		1		TFWAUSRN	EXECUTING USRN FORMAT ROUTINE.
41	(29)	BITSTRING	1	TFWAFLG2	FLAG BYTE 2.
		1...		TFWAMAIN	FORMATTER IS IN MAIN LOOP.
		.1..		TFWADONE	ALL TRACE DATA IS FORMATTED.
		..1.		TFWAPTE1	THE FIRST TTE HAS NOT YET BEEN PRINTED.
		...1		TFWAATRC	ASID TRACE FILTERING ROUTINE HAS PRODUCED THE CURRENT TTCH
		.... 1...		TFWASYNO	FORMATTER INITIALIZATION HAS FAILED. THEREFORE,CALL IEAVETVP SYNTAX CHECK THE TRACE VERB IF RUNNING UNDER IPCS.
		.... .1..		TFWADAAP	DATA AVAILABLE FOR ALL PROCESSORS UNLESS TFWAEOD1 IS ON.
		.... ..1.		TFWAEOD1	END OF DATA ENCOUNTERED ON ONE OR MORE PROCESSORS.
		1		TFWAFBSG	EXECUTING ITRFBSG ENTRY POINT.
42	(2A)	BITSTRING	1	TFWAFP01	EXECUTION TRACE FOOTPRINTS.
		1...		TFWAETVP	ENTERED IEAVETVP.
		.1..		TFWAETNP	ENTERED IEAVETNP.
		..1.		TFWAETPW	ENTERED IEAVETPW.
		...1		TFWAETRW	EXECUTING IEAVETRW.
		.... 1...		TFWAETEF	EXECUTING IEAVETEF.
		.... .1..		TFWAETFA	EXECUTING IEAVETFA ENTRY POINT.
		.... ..1.		TFWAETPB	EXECUTING IEAVETPB ENTRY POINT.
		1		TFWAFPR	EXECUTING ITRFPR FORMATTER
43	(2B)	BITSTRING	1	TFWAFP02	EXECUTION TRACE FOOTPRINTS.
		1...		TFWAFHEX	EXECUTING ITRFHEX ENTRY POINT.
		.1..		TFWAFEXP	EXECUTING ITRFEXP ENTRY POINT.
		..1.		TFWADEFU	EXECUTING ITRFDEFU ENTRY POINT.
		...1		TFWAEXPL	EXECUTING AN EXPLICIT TTE FORMATTER.
		.... 1...		TFWAFBR	EXECUTING ITRFBR FORMATTER.
		.... .1..		TFWAFPC	EXECUTING ITRFPC FORMATTER.

Table 450. Structure TFWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		TFWAFPT	EXECUTING ITRFPT FORMATTER.
		1		TFWASSAR	EXECUTING ITRFSSAR FORMATTER.
44	(2C)	BITSTRING	4	TFWAFPFC	IEAVETFC EXECUTION TRACE (SEE FOOTETFC DECLARE IN IEAVETFC).
48	(30)	BITSTRING	4	TFWAFPEF	IEAVETEF EXECUTION TRACE (SEE FOOTETEF DECLARE IN IEAVETEF).
52	(34)	BITSTRING	4	TFWAFPVP	IEAVETVP EXECUTION TRACE (SEE FOOTETVP DECLARE IN IEAVETVP).
56	(38)	BITSTRING	4	TFWAFPNP	IEAVETNP EXECUTION TRACE (SEE FOOTETNP DECLARE IN IEAVETNP).
60	(3C)	BITSTRING	4	TFWAFPPW	IEAVETPW EXECUTION TRACE (SEE FOOTETPW DECLARE IN IEAVETPW).
64	(40)	BITSTRING	4	TFWAFPRW	IEAVETRW EXECUTION TRACE (SEE FOOTETRW DECLARE IN IEAVETRW).
68	(44)	BITSTRING	4	TFWAFPFA	IEAVETFA EXECUTION TRACE (SEE FOOTETFA DECLARE IN IEAVETFA).
72	(48)	BITSTRING	4	TFWAFPIF	INDIVIDUAL EXPLCIT FORMATTER EXECUTION TRACE. IF USED, THERE WILL BE A DECLARE DEFINED ON TFWAFP0A.
76	(4C)	ADDRESS	4	TFWAASDL	ADDRESS OF ASIDLIST.
80	(50)	SIGNED	4	TFWAASLN	LENGTH OF GETMAINED ASIDLIST. A NON-ZERO VALUE INDICATES THAT AN ASIDLIST WAS GETMAINED.
84	(54)	SIGNED	2	TFWAASLL	COUNT OF ASIDLIST RANGES BEFORE OPTIMIZATION.
86	(56)	SIGNED	2	TFWAASCT	COUNT OF ASIDLIST RANGES AFTER OPTIMIZATION.
88	(58)	UNSIGNED	1	TFWANREG	NUMBER OF REGISTERS IN THE CURRENT TTE.
89	(59)	UNSIGNED	1	TFWAGMSP	GETMAIN SUBPOOL TO BE USED.
90	(5A)	CHARACTER	2	TFWAUSRD	USRN FORMATTER ROUTINE DISABLEMENT ARRAY. BIT N ON MEANS THE USRN FORMATTER ROUTINE IS DISABLED AND ITRFDEFU WILL EXECUTE INSTEAD.
92	(5C)	UNSIGNED	4	TFWANBSP	NUMBER OF BUFFER SECTIONS (TTCHBS) OF TTCH PER 4K PAGE.
96	(60)	SIGNED	2	TFWAMXMP	MAXIMUM NUMBER OF PROCESSORS IN THE DUMPED SYSTEM.
98	(62)	SIGNED	2	TFWASDHA	HASID AT THE TIME OF THE DUMP.
100	(64)	ADDRESS	4	TFWADEVA	ADDRESS OF DEVICES ARRAY USED FOR I/O AND SCH TTE FILTERING.
104	(68)	CHARACTER	24	TFWAMLVL	MODID INFORMATION FOR THE MODULE IN CONTROL.
104	(68)	CHARACTER	8	TFWAMODN	THE NAME OF THE MODULE (CSECT) CURRENTLY IN CONTROL.
112	(70)	CHARACTER	16	TFWAMDAT	THE DATE AND LEVEL NUMBER OF THE MODULE CURRENTLY IN CONTROL.
128	(80)	SIGNED	4	TFWATCHL	LENGTH OF SNAP TTCH.
132	(84)	BITSTRING	3	TFWARSV0	RESERVED.
135	(87)	CHARACTER	9	TFWAJOBT	FULL JOB INITIATION TIMESTAMP VALUE.

Table 450. Structure TFWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
135	(87)	UNSIGNED	1	TFWAJTOF	JOB START TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE.
136	(88)	CHARACTER	8	TFWAJTIM	JOB INITIATION TIMESTAMP FOR THE CURRENT ADDRESS SPACE (WHOSE ASID IS IN ADPLASID).
136	(88)	BITSTRING	4	TFWAJTI1	HIGH ORDER WORD (MULTIPLES OF 1.048 SECONDS).
140	(8C)	BITSTRING	4	TFWAJTI2	LOW ORDER WORD OF TFWAJTIM.
144	(90)	ADDRESS	4	TFWAWAI2	ADDRESS OF 512 BYTE WORK AREA USED BY THE USER FORMAT ROUTINES, ITRFN07F.
148	(94)	ADDRESS	4	TFWAPS	ADDRESS OF PROCESSOR DATA SECTIONS.
152	(98)	ADDRESS	2	TFWADCPU	DUMPING CPU ADDRESS
154	(9A)	SIGNED	2	TFWALLOP	LINES-LEFT-ON-PAGE COUNT.
156	(9C)	ADDRESS	4	TFWACMOD	ADDRESS OF TOD CONVERTER MODULE BLSUXTOD
		Note: TFWAZONE consolidates CVTLDTO and CVTLSO adjustments, as appropriate, to convert the TOD clock values in the system trace to the zone specified by the user of the IPCS SYSTRACE subcommand.			
160	(A0)	BITSTRING	8	TFWAZONE	TOD adjustment for GMT or local time zones
168	(A8)	BITSTRING	1	TFWACFLG	TIMESTAMP CONVERSION FLAGS
		1...		TFWAGMT	CONVERT TIMESTAMP TO GREENWHICH MEAN TIME.
		.1..		TFWALCL	CONVERT TIMESTAMP TO LOCAL TIME.
		..1.		TFWA1CPU	Format for selected CPUs
		...1		TFWATLST	SYSTRACE TTCH(LIST) option
		.... 1...		TFWACPUM	Format for CPUMASK
		.... .1..		TFWACPTS	Format for STANDARD CPU
		.... ..1.		TFWACPTI	Format for ZIIP CPU
		1		TFWACPTA	Format for ZAAP CPU
169	(A9)	CHARACTER	1	TFWAFLG4	MORE FLAGS
		1...		TFWAMODE	Format MODE TTEs
		.1..		TFWASTCKF	Copy of FlceSTCKF from PSA in the dump
		..1.		TFWALONGDISPLACEMENTHP	Copy of FlceLongDisplacementHP from PSA in the dump
		...1		TFWASORTCPU	SORTCPU specified?
		Following bits set if SORTCPU output is filtered by time: Stage 0 = wait until reaching specified SORTCPU time without displaying output Stage 1 = After jumping back specified amount of entries show the first half of the output for the procesor between Stage 1 and Stage 2 - display TIME message e.g. CP TIME = 20:47:31.373757 Stage 2 = Display last half of the output for the processor			
		.... 1...		TFWASORTCPUSTAGE0	
		.... .1..		TFWASORTCPUSTAGE1	
		.... ..1.		TFWASORTCPUSTAGE2	
		1		TFWASORTCPUJUMPBACK	indicator - stage0 ended
170	(AA)	UNSIGNED	2	TFWASORTCPUMARGIN	specified in cmd line

Table 450. Structure TFWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
172	(AC)	ADDRESS	4	TFWACOPA	ADDRESS OF COPROCESSOR DEVICES ARRAY USED FOR I/O AND SCH TTE FILTERING.
176	(B0)	ADDRESS	4	TFWATCBL	-> BLRIDENT PDE chain for TCB addresses
180	(B4)	ADDRESS	4	TFWAWEBL	-> BLRIDENT PDE chain for WEB addresses
		Note: TFWATOD0 and TFWATOD9 have been adjusted from the time zone specified by the user to TOD clock values directly comparable to the time stamps in the system trace.			
184	(B8)	CHARACTER	9	TFWATOD0	SYSTRACE - First time stamp eligible
193	(C1)	CHARACTER	9	TFWATOD9	SYSTRACE - Last time stamp eligible
202	(CA)	SIGNED	2	TFWAIFASID	Instruction Fetch ASID
204	(CC)	ADDRESS	4	TFWASPDL	-> SYSTRACE subcommand PDL
208	(D0)	ADDRESS	4	TFWAPTNP	-> IEAVETNP
212	(D4)	ADDRESS	4	TFWAPTPB	-> IEAVETPB
216	(D8)	UNSIGNED	1	TFWADEVMAXSETS	Maximum subchannel id that is allowed for during format processing
217	(D9)	UNSIGNED	1	TFWASTATUSBUFFERJUMPS	For Status option: first jump - to last buffer second jump - if error, jump back to second buffer
218	(DA)	SIGNED	2	TFWAPREVP	Previous processor number
220	(DC)	ADDRESS	4	TFWADMOD	Address of SVC/SSRV/PC decode module IEAVETFD
224	(E0)	ADDRESS	4	TFWAIRARSYSL	-> IRARSYSL
228	(E4)	ADDRESS	4	TFWASCPU	-> CPU selection list
232	(E8)	ADDRESS	4	TFWAIWMREXL	-> IWMREXL
236	(EC)	ADDRESS	4	TFWAASJN	ASID-JOBNAME table ptr
240	(F0)	UNSIGNED	2	TFWAAJCT	ASID-JOBNAME entry count
242	(F2)	BITSTRING	1	*	
		111.		TFWASUMT	PERFDATA parameters
		1...		TFWASUMTS	SHOWTRC not specified
		.1..		TFWASUMTD	SHOWTRC specified
		..1.		TFWADOWHR	DOWHERE specified
		...1		TFWANOTRACEOUTPUT	SUPPRESS OUTPUT IF ON
		.... 1...		*	Reserved
		.... .1..		TFWASTATUS	Status option was specified - we are only interested in starting and stopping times of each CPU
		.... ..1.		TFWASTATUSSHORT	Only display the CPU table (called from STATUS CPU command)
		1		TFWAMINITRACE	Mini System Trace
243	(F3)	CHARACTER	1	TFWARSVZ	Reserved
244	(F4)	ADDRESS	4	TFWAWHRBUF	Buffer to be filled after DOWHERE
248	(F8)	UNSIGNED	8	TFWASIGCPU	Hold SIGCPU limit
256	(100)	ADDRESS	4	TFWADEVLPTR	Pointer to device list
260	(104)	UNSIGNED	4	TFWADEVCURR	DEVICE NUMBER in TTE
264	(108)	CHARACTER	4	*	Reserved

Table 450. Structure TFWA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
268	(10C)	ADDRESS	4	TFWACMLASCBADDR	ASCB address of CML lock
272	(110)	UNSIGNED	2	TFWADEVCNT	Device count
274	(112)	CHARACTER	2	*	Reserved
276	(114)	CHARACTER	4	TFWALOCKTYPE	Type of suspend lock
280	(118)	UNSIGNED	8	TFWAOBJS	Number of TTCH memory objects
288	(120)	ADDRESS	8	TFWAFBUF	Pointer to first TTCH buffer
296	(128)	ADDRESS	4	TFWASCPM	-> CPU selection MASK
300	(12C)	UNSIGNED	2	TFWAWHRAS	ASID for DOWHERE
302	(12E)	CHARACTER	2	*	RESERVED
304	(130)	UNSIGNED	4	TFWASORTCPUOFFSET	how many entries examined since start of current SORTCPU stage
308	(134)	CHARACTER	9	TFWASORTCPUTIME	
317	(13D)	CHARACTER	3	*	Reserved
320	(140)	ADDRESS	8	TFWAWHRPSW16A	64-bit PSW address to pass to where
328	(148)	UNSIGNED	4	TFWATRACEASALET	TRACE address space ALET
332	(14C)	UNSIGNED	4	TFWAMAXU	Under IPCS, a copy of AsvtMaxU
336	(150)	CHARACTER	0	TFWAEND	END OF TFWA.

Table 451. Structure TFWAPDS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	168	TFWAPDS(*)	PROCESSOR DATA SECTION.
0	(0)	CHARACTER	4	TFWAPRID	EBCDIC PHYSICAL PROCESSOR ID.
4	(4)	BITSTRING	1	TFWAFLG3	FLAG BYTE 3.
		1...		TFWATTOB	THE CURRENT TBVT WAS OBTAINED: IF ON, VIA VIRTUAL ADDRESS FROM THE TOB. IF OFF, VIA VIRTUAL ADDRESS FROM THE PSA.
		.1..		TFWAFIMP	IMPLICIT TRACE ENTRIES MAY BE FORMATTED FOR THIS PROCESSOR. (ON WHEN TRFMFAS IS OFF OR WHEN THE LAST EXPLICIT TTE FOR THE PROCESSOR WAS FORMATTED.)
		..1.		TFWACTTS	CURRENT TTE TO BE FILTERED OR FORMATTED IS TIMESTAMPED.
		...1		TFWAEOTD	END-OF-TRACE-DATA REACHED FOR THIS PROCESSOR.
		.... 1...		TFWANOCP	SYSTRACE - Suppress CPU
		.... .1..		TFWAWUOK	TFWAWUAD is ready to be used for work unit filtering
		11		TFWAPOLARITY	Polarity of CPU if HiperDispatch is on. One of Polar_Vert_Low Polar_Vert_Med Polar_Vert_High or Polar_Horizontal as defined in IRABASIB
5	(5)	BITSTRING	1	TFWAPFG1	PROCESSOR FLAGS (THIS IS A COPY OF TOBPFG1 FOR THE PROCESSOR).
		1...		TFWAPTSA	PROCESSOR TRACE STRUCTURE IS AVAILABLE.
6	(6)	BITSTRING	1	TFWAFLG5	FLAG BYTE 5
		1...		TFWASRBM	SRB Mode flag
		.1..		TFWACPUOFFLINE	Offline when dump taken

Table 451. Structure TFWAPDS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		TFWACPUPARKED	Parked when dump was taken
		...1		TFWARSVBIT53	RESERVED
		.... 1...		TFWARSVBIT54	RESERVED
		.... .1..		TFWARSVBIT55	RESERVED
		.... ..1.		TFWARSVBIT56	RESERVED
		1		TFWARSVBIT57	RESERVED
7	(7)	CHARACTER	1	TFWARSV8	RESERVED.
8	(8)	ADDRESS	4	TFWAWBUF	ADDRESS OF THE 4K WORK BUFFER FOR EACH PROCESSOR. THE 1ST BYTE OF THE BUFFER IS THE BEGINNING OF A TTE.
12	(C)	ADDRESS	4	TFWACTTE	CURRENT TTE POINTER IN THE WORK BUFFER FOR THE PROCESSOR.
16	(10)	ADDRESS	4	TFWAENTY	ADDRESS OF THE FIRST BYTE PAST THE LAST TTE IN THE PROCESSORS WORK BUFFER.
20	(14)	CHARACTER	24	TFWABST	BUFFER STATUS. (COPIED FROM TBVTBST OR TTCHBST)
20	(14)	CHARACTER	2	TFWABFGS	STATE FLAGS.
20	(14)	CHARACTER	1	TFWABFG1	STATE FLAGS.
		1...		TFWABLST	AT LEAST ONE 4K BUFFER OF TRACE DATA WAS LOST BETWEEN THE PREVIOUS SUCCESSFUL REFILL OF THE WORK BUFFER (IF ANY) AND THE MOST RECENTLY COMPLETED REFILL OF THE WORK BUFFER.
		.1..		TFWACLST	CONTROL INFORMATION ABOUT THE TRACE BUFFER HAS BEEN LOST. TRACE DATA MAY EXIST IN THE BUFFER BUT THE END OF THE TRACE DATA (TFWAENTY) IS UNKNOWN. THEREFORE, THE BUFFER SHOULD BE FORMATTED IN DEFAULT HEX FORMAT.
		..1.		TFWAITTE	AN INVALID TTE WAS DETECTED BY THE ASID TRACE FILTERING ROUTINE (IEAVETTF).
21	(15)	CHARACTER	1	TFWABFG2	STATE FLAGS.
22	(16)	SIGNED	2	TFWABSA	MOST RECENT SASID.
24	(18)	SIGNED	2	TFWABHA	PREVIOUS EXPLICIT TTE HOME ASID.
26	(1A)	SIGNED	2	TFWABPA	MOST RECENT PASID.
28	(1C)	ADDRESS	4	TFWABTB	PREVIOUS EXPLICIT TTE TCB ADDRESS RELATED TO HOME.
32	(20)	SIGNED	4	TFWABCNT	BUFFER USE COUNT.
36	(24)	CHARACTER	8	TFWABTOD	BUFFER TIMESTAMP VALUE FOR THIS PROCESSOR.
44	(2C)	BITSTRING	2	TFWABTBT1	first half of previous vtbt
46	(2E)	BITSTRING	1	TFWARSV4	RESERVED.
47	(2F)	CHARACTER	9	TFWACURT	EXTENDED CURRENT TIMESTAMP VALUE.
47	(2F)	UNSIGNED	1	TFWACTOF	CURRENT TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE.
48	(30)	CHARACTER	8	TFWACTIM	CURRENT TIMESTAMP VALUE FOR THIS PROCESSOR.

Table 451. Structure TFWAPDS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
48	(30)	BITSTRING	4	TFWACTI1	HIGH ORDER WORD (MULTIPLES OF 1.048 SECONDS).
52	(34)	BITSTRING	4	TFWACTI2	LOW ORDER WORD OF CURRENT TIMESTAMP.
56	(38)	ADDRESS	4	TFWAWUAD	Workunit address (TCB or WEB) from previous DSP, SRB, SSRB, or WAIT entry
60	(3C)	BITSTRING	2	TFWABTBT2	second half of previous vtbt
62	(3E)	BITSTRING	1	TFWARSV6	RESERVED.
63	(3F)	CHARACTER	9	TFWAPRET	EXTENDED PREVIOUS TIMESTAMP VALUE.
63	(3F)	UNSIGNED	1	TFWAPTOF	PREVIOUS TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE.
64	(40)	CHARACTER	8	TFWAPTIM	PREVIOUS TIMESTAMP VALUE FOR THIS PROCESSOR.
64	(40)	BITSTRING	4	TFWAPTI1	HIGH ORDER WORD (MULTIPLES OF 1.048 SECONDS).
68	(44)	BITSTRING	4	TFWAPTI2	LOW ORDER WORD OF PREVIOUS TIMESTAMP.
72	(48)	CHARACTER	4	TFWACPUTYPE	XPU, zIIP, zAAP
76	(4C)	ADDRESS	4	TFWAPTBT	VIRTUAL ADDRESS OF CURRENT TBVT WHEN TRACE IS SUSPENDED OR INACTIVE ON THIS PROCESSOR. THIS IS A COPY OF TOBPTBVT FOR THE PROCESSOR.
80	(50)	ADDRESS	4	TFWACTBT	VIRTUAL ADDRESS OF THE CURRENT TBVT TO BE PROCESSED FOR THE PROCESSOR.
84	(54)	ADDRESS	4	TFWANTBT	REAL ADDRESS OF NEXT TBVT TO BE PROCESSED FOR THE PROCESSOR.
88	(58)	ADDRESS	4	TFWAVTBT	VIRTUAL ADDRESS OF THE NEXT TBVT TO BE PROCESSED FOR THE PROCESSOR.
88	(58)	BITSTRING	2	TFWAVTBT1	
90	(5A)	BITSTRING	2	TFWAVTBT2	
92	(5C)	ADDRESS	4	TFWABPTR	ADDRESS OF BUFFER SECTIONS IN A TTCH FOR THIS PROCESSOR.
96	(60)	UNSIGNED	8	TFWABUFI	INDEX TO BUFFER SECTION OF TTCH FOR NEXT BUFFER TO BE PROCESSED.
104	(68)	UNSIGNED	8	TFWANUMB	NUMBER OF TRACE BUFFERS TO BE PROCESSED FOR THE PROCESSOR.
112	(70)	CHARACTER	4	TFWATRID	MNEMONIC/ACRONYM FOR TTE
116	(74)	CHARACTER	4	TFWACDE	CDE
120	(78)	CHARACTER	16	TFWAPSW16	
136	(88)	CHARACTER	3	*	
139	(8B)	CHARACTER	9	TFWALOWCPUTIME	MINIMUM TIMESTAMP ON THIS PROCESSOR - STARTS ON BYTE 4 PAST WORD BOUNDARY
139	(8B)	UNSIGNED	1	TFWALOWTOF	LOW TIMESTAMP OVERFLOW (TIMER WRAP-AROUND) VALUE
140	(8C)	CHARACTER	8	TFWALOWTIM	CURRENT TIMESTAMP VALUE FOR THIS PROCESSOR.
148	(94)	UNSIGNED	2	TFWACPPA	PHYSICAL PROCESSOR ID.
150	(96)	CHARACTER	18	*	Reserved

Table 451. Structure TFWAPDS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		since TFWAPDS is an array, for any addition to this block all modules that use any of its fields need to be recompiled			
168	(A8)	CHARACTER	0	TFWAPEND	END OF PROCESSOR DATA SECTION.

Table 452. Structure TFWAAJS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	12	TFWAAJS(*)	ASID-JOBNAME DATA SECTION
0	(0)	CHARACTER	12	TFWAAJSE	ENTRY
0	(0)	UNSIGNED	2	TFWAASIN	ASID
2	(2)	CHARACTER	2	TFWAASFL	FLAGS(SEE ADPLOSF1/2)
4	(4)	CHARACTER	8	TFWAJOBN	JOBNAME

Table 453. Structure TFWADVSE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	TFWADVSE	DEVICE DATA LIST CHAIN
0	(0)	ADDRESS	4	TFWADEVNXT	POINTER TO NEXT DEVICE
4	(4)	ADDRESS	4	TFWADEVTLPTR	POINTER TO TIME INTERVALS
8	(8)	ADDRESS	4	TFWADEVTTPTR	POINTER TO ITS TAIL
12	(C)	UNSIGNED	4	TFWADEVNO	DEVICE NUMBER
16	(10)	UNSIGNED	2	TFWADEVIOCNT	Number of events
18	(12)	UNSIGNED	2	*	Reserved

Table 454. Structure TFWADVSTE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	TFWADVSTE	I/O EVENT LIST ENTRY
0	(0)	ADDRESS	4	TFWADEVTNXT	POINTER TO NEXT TIME INT
4	(4)	BITSTRING	8	TFWADEVTBEG	event start time
12	(C)	BITSTRING	8	TFWADEVTEND	event end time

Table 455. Constants for TFWA

Len	Type	Value	Name	Description
		---------- TFWA CONSTANTS AND STATIC LOCAL DECLARATIONS. Removed TFWANPS, the maximum CPU address, as part of G64CPU support. This constant is now defined in a central location. ----------		
4	DECIMAL	1	TFWACLVL	THE CURRENT TFWA LEVEL NUMBER.
4	DECIMAL	4092	TFWAMAXE	MAXIMUM END-OF-DATA+1 OFFSET.
4	CHARACTER	CEDQ	TFWACEDQCONST	

Table 455. Constants for TFWA (continued)

Len	Type	Value	Name	Description
4	DECIMAL	5	TFWALONGTERMSPIPCS	Subpool for storage which will persist until the end of SYSTRACE processing. This subpool should be used only under IPCS (using it under SNAP would be a system integrity exposure).

Table 456. Cross Reference for TFWA

Name	Offset	Hex Tag
TFWA	0	
TFWAADPL	8	
TFWAAJCT	F0	
TFWAAJS	0	
TFWAAJSE	0	
TFWAALL	28	80
TFWAASCT	56	
TFWAASDL	4C	
TFWAASFL	2	
TFWAASID	C	
TFWAASIN	0	
TFWAASJN	EC	
TFWAASLL	54	
TFWAASLN	50	
TFWAATRC	29	10
TFWABCNT	20	
TFWABFGS	14	
TFWABFG1	14	
TFWABFG2	15	
TFWABHA	18	
TFWABLST	14	80
TFWABPA	1A	
TFWABPTR	5C	
TFWABR	28	02
TFWABSA	16	
TFWABST	14	
TFWABTB	1C	
TFWABTBT1	2C	
TFWABTBT2	3C	
TFWABTOD	24	
TFWABUFI	60	
TFWACDE	74	
TFWACFLG	A8	
TFWACLST	14	40
TFWACMLASCBADDR	10C	
TFWACMOD	9C	
TFWACOPA	AC	
TFWACPPA	94	
TFWACPTA	A8	01

Table 456. Cross Reference for TFWA (continued)

Name	Offset	Hex Tag
TFWACPTI	A8	02
TFWACPTS	A8	04
TFWACPUM	A8	08
TFWACPUOFFLINE	6	40
TFWACPUPARKED	6	20
TFWACPUTYPE	48	
TFWACTBT	50	
TFWACTIM	30	
TFWACTI1	30	
TFWACTI2	34	
TFWACTOF	2F	
TFWACTTE	C	
TFWACTTS	4	20
TFWACUR	28	40
TFWACURB	10	
TFWACURP	E	
TFWACURT	2F	
TFWADAAP	29	04
TFWADCPU	98	
TFWADEFU	2B	20
TFWADEVA	64	
TFWADEVCNT	110	
TFWADEVCURR	104	
TFWADEVIOCNT	10	
TFWADEVLPTR	100	
TFWADEVMAXSETS	D8	
TFWADEVNO	C	
TFWADEVNXT	0	
TFWADEVTBEG	4	
TFWADEVTEND	C	
TFWADEVTLPTR	4	
TFWADEVTNXT	0	
TFWADEVTTPTR	8	
TFWADMOD	DC	
TFWADONE	29	40
TFWADOWHR	F2	20
TFWADVSE	0	
TFWADVSTE	0	
TFWAEND	150	
TFWAENTY	10	
TFWAEOD1	29	02
TFWAEOTD	4	10
TFWAETEF	2A	08
TFWAETFA	2A	04
TFWAETNP	2A	40
TFWAETPB	2A	02
TFWAETPW	2A	20
TFWAETRW	2A	10
TFWAETVP	2A	80

Table 456. Cross Reference for TFWA (continued)

Name	Offset	Hex Tag
TFWAEXPL	2B	10
TFWAFAS	28	20
TFWAFBR	2B	08
TFWAFBSG	29	01
TFWAFBUF	120	
TFWAFEXP	2B	40
TFWAFHEX	2B	80
TFWAFIMP	4	40
TFWAFLG1	28	
TFWAFLG2	29	
TFWAFLG3	4	
TFWAFLG4	A9	
TFWAFLG5	6	
TFWAFP	28	
TFWAFPC	2B	04
TFWAFPEF	30	
TFWAFPFA	44	
TFWAFPFC	2C	
TFWAFPIF	48	
TFWAFPNP	38	
TFWAFPPW	3C	
TFWAFPR	2A	01
TFWAFPRW	40	
TFWAFPT	2B	02
TFWAFPVP	34	
TFWAFP01	2A	
TFWAFP02	2B	
TFWAGMSP	59	
TFWAGMT	A8	80
TFWAID	0	
TFWAIFASID	CA	
TFWAIRARSYSL	E0	
TFWAITTE	14	20
TFWAIWMREXL	E8	
TFWAJOBN	4	
TFWAJOBT	87	
TFWAJTIM	88	
TFWAJTI1	88	
TFWAJTI2	8C	
TFWAJTOF	87	
TFWALCL	A8	40
TFWALEVL	4	
TFWALJFE	14	
TFWALLOP	9A	
TFWALOCKTYPE	114	
TFWALONGDISPLACEMENTHP	A9	20
TFWALOWCPUTIME	8B	
TFWALOWTIM	8C	
TFWALOWTOF	8B	

Table 456. Cross Reference for TFWA (continued)

Name	Offset	Hex Tag
TFWAMAIN	29	80
TFWAMAXU	14C	
TFWAMDAT	70	
TFWAMINITRACE	F2	01
TFWAMLVL	68	
TFWAMODE	A9	80
TFWAMODN	68	
TFWAMXMP	60	
TFWANBSP	5C	
TFWANCPU	6	
TFWANOCP	4	08
TFWANOTRACEOUTPUT	F2	10
TFWANREG	58	
TFWANTBT	54	
TFWANUMB	68	
TFWAOBJS	118	
TFWAPDS	0	
TFWAPDSA	28	04
TFWAPDSV	28	08
TFWAPEND	A8	
TFWAPFG1	5	
TFWAPOLARITY	4	03
TFWAPRET	3F	
TFWAPREVP	DA	
TFWAPRID	0	
TFWAPS	94	
TFWAPSW16	78	
TFWAPTBT	4C	
TFWAPTE1	29	20
TFWAPTIM	40	
TFWAPTI1	40	
TFWAPTI2	44	
TFWAPTNP	D0	
TFWAPTOF	3F	
TFWAPTPB	D4	
TFWAPTSA	5	80
TFWARSVBIT53	6	10
TFWARSVBIT54	6	08
TFWARSVBIT55	6	04
TFWARSVBIT56	6	02
TFWARSVBIT57	6	01
TFWARSVZ	F3	
TFWARSV0	84	
TFWARSV4	2E	
TFWARSV6	3E	
TFWARSV8	7	
TFWASCPM	128	
TFWASCPU	E4	
TFWASDHA	62	

Table 456. Cross Reference for TFWA (continued)

Name	Offset	Hex Tag
TFWASIGCPU	F8	
TFWASNAP	28	10
TFWASORTCPU	A9	10
TFWASORTCPUJUMPBACK	A9	01
TFWASORTCPUMARGIN	AA	
TFWASORTCPUOFFSET	130	
TFWASORTCPUSTAGE0	A9	08
TFWASORTCPUSTAGE1	A9	04
TFWASORTCPUSTAGE2	A9	02
TFWASORTCPUTIME	134	
TFWASPDL	CC	
TFWASRBM	6	80
TFWASSAR	2B	01
TFWASTATUS	F2	04
TFWASTATUSBUFFERJUMPS	D9	
TFWASTATUSSHORT	F2	02
TFWASTCKF	A9	40
TFWASUMT	F2	E0
TFWASUMTD	F2	40
TFWASUMTS	F2	80
TFWASYNO	29	08
TFWATCBL	B0	
TFWATCHL	80	
TFWATLST	A8	10
TFWATOD0	B8	
TFWATOD9	C1	
TFWATRACEASALET	148	
TFWATRID	70	
TFWATTCH	18	
TFWATTOB	4	80
TFWAUSRD	5A	
TFWAUSRN	28	01
TFWAVTBT	58	
TFWAVTBT1	58	
TFWAVTBT2	5A	
TFWAWAEF	1C	
TFWAWAFA	20	
TFWAWAIF	24	
TFWAWAI2	90	
TFWAWBUF	8	
TFWAWEBL	B4	
TFWAWHRAS	12C	
TFWAWHRBUF	F4	
TFWAWHRPSW16A	140	
TFWAWUAD	38	
TFWAWUOK	4	04
TFWAZONE	A0	
TFWA1CPU	A8	20

Chapter 125. TICB Information

TICB Heading Information

Common Name: TICB - MIH Time Interval Control Block
Macro ID: IOSDTICB
DSECT Name: TICB
Owning Component: IOS (SC1C3)
Eye-Catcher ID: TICB
Offset: 0
Length: 4
Storage Attributes: Main Storage: YES
Virtual Storage: n/a
Auxiliary Storage: n/a
Subpool: 245
Key: 0
Residency: Above line
Size: 392 Bytes
Created by: IOSRMIHT
Pointed to by: MIHATICB
Serialization: Provided by IOSRMIHP processing
Function: Describes the layout of storage obtained and initialized by IOSRMIHT, used by IOSRMIHP to scan the UCBs for missing interrupts, and referenced by IOSRMIHR to determine the MIH recovery action(s).

TICB mapping

Table 457. Structure TICB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	392	TICB	
0	(0)	CHARACTER	4	TICBID	CB identifier ('TICB')
4	(4)	ADDRESS	4	TICBECB	ECB posted when time interval has been terminated
8	(8)	BITSTRING	2	TICBMTCT	Time count from when processing the last MIH mound pending scan
10	(A)	UNSIGNED	1	TICBCNTR	One byte counter- Incremented in IOSRMIHP upon entry. Wrap around counter (01-FE)
11	(B)	UNSIGNED	1	TICBMSCT	Counter to time miscellaneous UCB conditions.
12	(C)	BITSTRING	4	TICBPARM	Action and condition fields for IOSRMIHR
12	(C)	BITSTRING	1	TICBACTN	ACTION field - Setup by IOSRMIHP.
		1...		TICBHC	Issue HSCH/CSCH as appropriate
		.1..		TICBSIM	Simulate an interrupt
		..1.		TICBRDV	Redrive the device
		...1		TICBRQ	Requeue the I/O request
		.... 1...		TICBMSG	Issue a message

Table 457. Structure TICB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		TICBLOG	Log the condition on LOGREC
		.... ..1.		TICBMSGO	The device requested message only processing. (Ie: No MIH/IOT recovery actions)
		1		TICBWAI	Not an MIH condition, wait another MIH interval
13	(D)	BITSTRING	1	*	Unused, set to 0
14	(E)	BITSTRING	1	TICBCON2	Condition field 2, not currently copied into MIHE
		1...		TICBHRDV	Scheduling redrive on HyperPAV device
		.1..		TICBTOHS	MIH timeout due to I/O being active for too long while a HyperSwap is active
		..1.		TICBHLRI	The MIH timeout indicated by TICBTOHS was for an I/O request that was higher than the DDR level
		...1 1111		*	Unused
15	(F)	BITSTRING	1	TICBCOND	Condition field
		1...		TICBCLRP	Clear interrupt pending
		.1..		TICBHLTP	Halt interrupt pending
		..1.		TICBIDLE	Idle device, work queued
		...1		TICBSTPD	Start pending in subchannel
		.... 1...		TICBIOT	Indicates that I/O timeout processing is in progress
		.... .1..		TICBMNT	Mount pending
		.... ..1.		TICBPRIS	Primary status missing
		1		TICBSECS	Secondary status missing
16	(10)	BITSTRING	4	TICBPRM1	Action and condition fields for device dependent exit
16	(10)	BITSTRING	1	TICBACT1	Action field - can be modified by the exit routine - contents same as TICBACTN
		1111		*	Same as TICBACTN
		.... 1...		TICBMSG1	Issue a message
		.... .1..		TICBLOG1	Log the condition in LOGREC
		.... ..1.		*	Same as TICBACTN
		1		TICBWAI1	Not an MIH condition, wait another MIH interval
17	(11)	BITSTRING	1	*	Unused, set to 0 and ignored
18	(12)	BITSTRING	1	TICBCND2	Condition field 2 - set equal to TICBCON2 and ignored
19	(13)	BITSTRING	1	TICBCON1	Condition field - set equal to TICBCOND and ignored
20	(14)	BITSTRING	4	TICBMISC	Miscellaneous bytes
20	(14)	BITSTRING	1	TICBFLG1	FLAG BYTE 1
		1...		TICBTIMS	Timer started by IOSRMIHI
		.1..		TICBXTME	IOSXTIME interval caused MIH condition to be detected
		..1.		TICBIRTO	MIH timeout due to an IOS recovery operation being delayed
		...1		TICBBYPE	When ON, it indicates to bypass the MIH exit for this condition

Table 457. Structure TICB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		TICBBYPC	When ON, it indicates to bypass the component tracing for this condition
		.... .1..		TICBHSWP	When ON, indicates IO Timing triggered a HyperSwap
		.... ..1.		TICBMIHZ	IOSVLEVL has requested that a HyperPAV idle alias scan be performed during the next MIH interval.
		1		TICBINTG	When ON, indicates interrogate processing is required
21	(15)	BITSTRING	1	TICBFLG2	Flag byte 2 - reserved
22	(16)	BITSTRING	1	TICBRSNC	MIH condition reason code
23	(17)	BITSTRING	1	TICBRTRY	Retry count - incremented when a failure occurs during a UCB scan - when the retry limit is reached, the main MIH task is posted for termination.
24	(18)	CHARACTER	8	TICBTIMB	Binary time interval (bit 51 equals 1 microsecond)
24	(18)	CHARACTER	4	TICBTMEH	Binary time interval, High order
28	(1C)	CHARACTER	4	TICBTMEL	Binary time interval, low order
32	(20)	CHARACTER	128	TICBTQE	TQE used for MIH timer
160	(A0)	CHARACTER	44	TICBSRB	SRB used to schedule entry point IOSRMIH0, IOSRMIH1, IOSRMIH2 OR IOSRMIH3 in module IOSRMIHP
204	(CC)	CHARACTER	108	TICBIOSB	IOSB (w/0 ext) used to perform the subchannel request
312	(138)	CHARACTER	52	TICBSHIB	SCHIB data from the STSCH request
364	(16C)	ADDRESS	4	TICBETCB	Address of TCB that got the MIH ENQ during IOSCPARZ nip processing
368	(170)	ADDRESS	4	TICBWORK	Address of workarea for IOSRMIHP obtained by IOSRMIHI (will contain storage for the old TICBSAVE).
372	(174)	CHARACTER	4	TICBSRC1	Store Subchannel request return code from IOSVSTSQ, issued in IOSRMIHP.
376	(178)	UNSIGNED	4	TICBWAIT	Total time waited. Returned by the MIH exit when the secondary timeout value for the device was exceeded.
380	(17C)	UNSIGNED	2	TICBHCHG	Counter of intervals since last change from HYPERPAV=BASEONLY to YES
382	(17E)	UNSIGNED	2	TICBMIHC	Copy of IOQMIHCT
384	(180)	UNSIGNED	4	TICBHPRD	HyperPAV redrive count
388	(184)	CHARACTER	4	*	Reserved
392	(188)	CHARACTER	0	TICBEND	Force double word boundary

TICB mapping

Table 458. Constants for TICB

Len	Type	Value	Name	Description
Constants				
4	DECIMAL	1024	TICBMIHPDYNSZ	Size of IOSRMIHP autodata

Table 459. Cross Reference for TICB

Name	Offset	Hex Tag
TICB	0	
TICBACTN	C	
TICBACT1	10	
TICBBYPC	14	08
TICBBYPE	14	10
TICBCLRP	F	80
TICBCND2	12	
TICBCNTR	A	
TICBCOND	F	
TICBCON1	13	
TICBCON2	E	
TICBECB	4	
TICBEND	188	
TICBETCB	16C	
TICBFLG1	14	
TICBFLG2	15	
TICBHC	C	80
TICBHCHG	17C	
TICBHLRI	E	20
TICBHLTP	F	40
TICBHPRD	180	
TICBHRDV	E	80
TICBHSWP	14	04
TICBID	0	
TICBIDLE	F	20
TICBINTG	14	01
TICBIOSB	CC	
TICBIOT	F	08
TICBIRTO	14	20
TICBLOG	C	04
TICBLOG1	10	04
TICBMIHC	17E	
TICBMIHZ	14	02
TICBMISC	14	
TICBMNT	F	04
TICBMSCT	B	
TICBMSG	C	08
TICBMSGO	C	02
TICBMSG1	10	08
TICBMTCT	8	
TICBPARM	C	
TICBPRIS	F	02
TICBPRM1	10	

Table 459. Cross Reference for TICB (continued)

Name	Offset	Hex Tag
TICBRDV	C	20
TICBRQ	C	10
TICBRSNC	16	
TICBRTRY	17	
TICBSECS	F	01
TICBSHIB	138	
TICBSIM	C	40
TICBSRB	A0	
TICBSRC1	174	
TICBSTPD	F	10
TICBTIMB	18	
TICBTIMS	14	80
TICBTMEH	18	
TICBTMEL	1C	
TICBTOHS	E	40
TICBTQE	20	
TICBWAI	C	01
TICBWAIT	178	
TICBWAI1	10	01
TICBWORK	170	
TICBXTME	14	40

Chapter 126. TIOT Information

TIOT Programming Interface Information

ONLY the following fields are part of the programming interface information:

- TIOCJSTN
- TIOCNJOB
- TIOCPSTN
- TIOCSTEP
- TIOCSTPN
- TIOEDDNM
- TIOEFSRT
- TIOEJFCB
- TIOELNGH
- TIOEWTCT

TIOT Heading Information

Common Name:	Task Input/Output Table
Macro ID:	IEFTIOT1
DSECT Name:	No DSECT card put out by macro. TIOT1 may be used in the USING statement.
Owning Component:	Allocation/unallocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Main Storage: No Virtual Storage: Yes Subpool: 236, 237, or 241 (obtained from JSCBSWSP Key: 1 Data Space: No Residency: Below (normal TIOT) or Above (XTIOT) 16M
Size:	Variable (Installation Defined)
Created by:	Device allocation
Pointed to by:	TCBTIO field of the TCB data area DCBTIOT field of the DCB data area DSABTIOT field of the DSAB data area (DD entry TIOT) JCTSTIOT field of the JCT data area SMCATIOT field of the SMCA data area (master scheduler TIOT)
Serialization:	ENQ on SYSZTIOT
Function:	Provides the I/O support routines with pointers to JFCBs and to allocated devices. - Each DD statement, whether it is a member of a concatenation or not, has its own TIOT DD Entry. There will be one DD statement for each GDG data set for a GDGALL request. - Within each DD Entry there will be one Device Entry for each device allocated to that DD statement. Single device does not always mean "not a multi-volume" data set. For permres devices (e.g., D/T3390), device and volume are synonymous. However, for tape requests device and volume are NOT synonymous since a tape volume can be mounted on any one of many tape devices.

TIOT mapping

Table 460. Structure

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0		

```
%TIOTL1 : ;
    START OF SPECIFICATIONS
              TASK INPUT/OUTPUT TABLE
  01 MACRO NAME: IEFTIOT1
  01 DESCRIPTIVE-NAME: Task Input/Output Table
  01 EXTERNAL CLASSIFICATION:
      DMTI: BASE
      GUPI: FIELDS
      TIOCNJOB TIOCSTEP TIOCSTPN TIOCPSTN TIOCJSTN
      TIOEDDNM TIOEJFCB TIOEFSRT TIOELNGH TIOEWTCT
  01 END OF EXTERNAL CLASSIFICATION:
  01 PROPRIETARY STATEMENT=
    PROPRIETARY_STATEMENT
   LICENSED MATERIALS - PROPERTY OF IBM
   5650-ZOS COPYRIGHT IBM CORP. 1980,2013
   STATUS= HBB7790
    END_OF_PROPRIETARY_STATEMENT
  01 DSECT NAME:
      No DSECT card put out by macro. TIOT1 may be used in the
      USING statement.
  01 COMPONENT = Allocation/unallocation (SC1B4)
  01 EYE CATCHER = None
  02 OFFSET = N/A
  02 LENGTH = N/A
  01 STORAGE ATTRIBUTES =
  01 SIZE: Variable (Installation Defined)
  01 MAIN STORAGE = No
  01 VIRTUAL STORAGE = Yes
  01 DATA SPACE = No
  01 SUBPOOL = 236, 237, or 241 (obtained from JSCBSWSP
  01 SUBPOOL = Subpool in JSCBSWSP when created by
                    IEFAB4FC. This can be 236, 237, or
                    241.
                 230 when created by CNZI1CDP.
  01 KEY = 1
  01 RESIDENCY = Below (normal TIOT) or Above (XTIOT) 16M
  01 FREQUENCY = One per jobstep
  01 CREATED BY: Device allocation
  01 POINTED TO BY:
   TCBTIO field of the TCB data area
   DCBTIOT field of the DCB data area
   DSABTIOT field of the DSAB data area (DD entry TIOT)
   JCTSTIOT field of the JCT data area
   SMCATIOT field of the SMCA data area (master scheduler TIOT)
  01 SERIALIZATION: ENQ on SYSZTIOT
  01 FUNCTION: Provides the I/O support routines with pointers
      to JFCBs and to allocated devices.
  02 - Each DD statement, whether it is a member of a
         concatenation or not, has its own TIOT DD Entry. There
```

Table 460. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		will be one DD statement for each GDG data set for a GDGALL request.			
		02 - Within each DD Entry there will be one Device Entry for each device allocated to that DD statement. Single device does not always mean "not a multi-volume" data set. For permres devices (e.g., D/T3390), device and volume are synonymous. However, for tape requests device and volume are NOT synonymous since a tape volume can be mounted on any one of many tape devices.			
		01 METHOD OF ACCESS: A DSECT card should precede the macro call. USING on TIOT1 gives addressability for all symbols.			
		01 METHOD OF PL/S ACCESS: PL/S - DCL TIOTPTR PTR			
		DEPENDENCY - ANY CHANGES TO THE TIOENTRY STRUCTURE OF THIS MAPPING SHOULD BE REFLECTED IN THE IPCS MODEL IEFMTIOE.			
		CHANGE ACTIVITY - L0			
		$L0= DDPERF HBB4420 900406 PDDS: DDLPERFIPCS DD LIMIT PERFORMANCE			
		$P1= PSD0454 JBB6602 950921 PDXB: Fix TIOEJFCB comment, Add TIOCSTEP subfields.			
		$P2= PSD0771 JBB6602 960208 PDNN: Updates to the prolog			
		$01= OA35844 HBB7790 110331 PDTA: Search DSEO			
		C - Correct subpool in prolog.			
		C - Added TCBTIO under Pointed to by and added additional explanations on TIOT entries.			
		C - Change comment on TIOEJFCB. Add subfields to TIOCSTEP.			
		A - ADD DEPENDENCY NOTE FOR IPCS TIOT ENTRY CONTROL BLOCK MODEL			
		END OF SPECIFICATIONS			
		%GOTO TIOTL2;			
0	(0)	SIGNED	4	(0)	
0	(0)	X'0'	0	TIOT1	"*" - TIOTPTR
0	(0)	CHARACTER	8	TIOCNJOB	- JOB NAME
8	(8)	CHARACTER	16	TIOCSTEP(0)	- STEP INFORMATION
8	(8)	CHARACTER	8	TIOCSTPN(0)	- 8-BYTE STEP NAME FOR NON-PROCS
8	(8)	CHARACTER	8	TIOCPSTN	- 8-BYTE PROC STEP NAME FOR PROCS
16	(10)	CHARACTER	8	TIOCJSTN	- 8-BYTE JOBSTEP NAME FOR PROCS
		DD ENTRY THERE IS A 16-BYTE DD ENTRY FOR EACH DD STATEMENT IN THE JOB STEP OR PROCEDURE STEP. (REFERENCES TO GDG (ALL) DATA SETS, THE JOBLIB DATA SET OR PGM= .DDNAME CREATE STILL OTHER DD ENTRIES.) A DD ENTRY INCLUDES A DEVICE ENTRY. BEFORE ALLOCATION, THERE MAY BE SEVERAL DEVICE ENTRIES IN EACH DD ENTRY.			
16	(10)	X'18'	0	TIOENTRY	"*" - TIODDPTR
24	(18)	SIGNED	1	TIOELNGH	- LENGTH, IN BYTES, OF THIS ENTRY (INCLUDING ALL DEVICE ENTRIES)
25	(19)	BITSTRING	1	TIOESTTA	- STATUS BYTE A
		1...		TIOSLTYP	"X'80'" - NONSTANDARD LABEL (TAPE) (OS/VS1) FREED TIOT ENTRY (OS/VS2)

Table 460. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		TIOSPLTP	"X'40'" - DURING ALLOCATION, SPLIT CYLINDER PRIMARY. (THIS IS THE FIRST DD ENTRY FOR A SPLIT CYLINDER.) DURING STEP TERMINATION, NO UNALLOCATION NECESSARY.
		..1.		TIOSPLTS	"X'20'" - DURING ALLOCATION, SPLIT CYLINDER SECONDARY. (THIS IS NOT THE FIRST DD ENTRY FOR A SPLIT CYLINDER.) DURING STEP TERMINATION, REWIND BUT NO UNLOADING.
		...1		TIOSJBLB	"X'10'" - JOBLIB INDICATOR
		.... 1...		TIOSDADS	"X'08'" - DADSM ALLOCATION NECESSRY
		.... .1..		TIOSLABL	"X'04'" - LABELED TAPE. IF BIT 0 IS OFF, SL OR SUL. IF BIT 0 IS ALSO ON, AL OR AUL.
		.... ..1.		TIOSDSP1	"X'02'" - REWIND/UNLOAD THE TAPE VOLUME (TAPE) PRIVATE VOLUME (DIRECT ACCESS) MDC001
		1		TIOSDSP2	"X'01'" - REWIND THE TAPE VOLUME (TAPE) PUBLIC VOLUME (DIRECT ACCESS) MDC002
26	(1A)	CHARACTER	2	TIOERLOC(0)	- RELATIVE LOCATION OF POOL
26	(1A)	CHARACTER	1	TIOEWTCT	- DURING ALLOCATION, NUMBER OF DEVICES REQUESTED FOR THIS DATA SET
27	(1B)	CHARACTER	1	TIOELINK	- DURING ALLOCATION, LINK TO THE APPROPRIATE PRIME SPLIT, UNIT AFFINITY, VOLUME AFFINITY OR SUBALLOCATE TIOT ENTRY. AFTER ALLOCATION, FLAG BYTE.
		1...		TIOSYOUT	"X'80'" - THIS IS A SYSOUT DATA SET THAT CONTAINS DATA (AFTER CLOSE)
		.1..		TIOTRV01	"X'40'" - RESERVED MDC006
		..1.		TIOTTERM	"X'20'" - DEVICE IS A TERMINAL
		...1		TIOEDYNM	"X'10'" - DYNAM CODED ON DD STATEMENT
		.... 1...		TIOEQNAM	"X'08'" - QNAME CODED ON DD STATEMENT
		.... .1..		TIOESYIN	"X'04'" - ENTRY FOR SPOOLED SYSIN DATA SET (OS/VS1) MDC003
		.... ..1.		TIOESYOT	"X'02'" - ENTRY FOR SPOOLED SYSOUT DATA SET (OS/VS1) MDC004
		.... ..1.		TIOESSDS	"X'02'" - ENTRY FOR A SUBSYSTEM DATA SET (OS/VS2) MDC005
		1		TIOTREM	"X'01'" - ENTRY FOR A REMOTE DEVICE ICB340
28	(1C)	CHARACTER	8	TIOEDDNM	- DD NAME
36	(24)	CHARACTER	3	TIOEJFCB	- SWA virtual address token, mapped by SWAREQ macro. Refer to that macro for further information.

Table 460. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
39	(27)	BITSTRING	1	TIOESTTC	- STATUS BYTE C. USED DURING ALLOCATION ONLY. SET TO ZEROS AT END OF ALLOCATION.
		1...		TIOSDKCR	"X'80'" - MAIN STORAGE OR DASD ADDRESS
		.1..		TIOSDEFR	"X'40'" - DEFERRED MOUNT
		..1.		TIOSAFFP	"X'20'" - PRIMARY UNIT AFFINITY
		...1		TIOSAFFS	"X'10'" - SECONDARY UNIT AFFINITY
		.... 1...		TIOSVOLP	"X'08'" - PRIMARY VOLUME AFFINITY
		.... .1..		TIOSVOLS	"X'04'" - SECONDARY VOLUME AFFINITY
		.... ..1.		TIOSBALP	"X'02'" - PRIMARY SUBALLOCATE
		1		TIOSBALS	"X'01'" - SECONDARY SUBALLOCATE
DEVICE ENTRIES 1. DURING ALLOCATION - ONE DEVICE ENTRY FOR EACH DEVICE REQUIRED, OR FOR EACH PUBLIC DEVICE ELIGIBLE. 2. DURING PROBLEM PROGRAM - ONE DEVICE ENTRY FOR EACH ALLOCATED DEVICE.					
40	(28)	BITSTRING	1	TIOESTTB	- STATUS BYTE B - DURING ALLOCATION AND DURING PROBLEM PROGRAM
		1...		TIOSUSED	"X'80'" - DATA SET IS ON DEVICE
		.1..		TIOSREQD	"X'40'" - DATA SET WILL USE DEVICE
		..1.		TIOSPVIO	"X'20'" - DEVICE VIOLATES SEPARATION
		...1		TIOSVLSR	"X'10'" - VOLUME SERIAL PRESENT
		.... 1...		TIOSSETU	"X'08'" - SETUP MESSAGE REQUIRED
		.... .1..		TIOSMNTD	"X'04'" - IF 0, DELETE UNLOADED VOLUME IF UNLOAD REQUIRED. IF 1, RETAIN UNLOADED VOLUME IF UNLOAD REQUIRED.
		.... ..1.		TIOSUNLD	"X'02'" - UNLOAD REQUIRED
		1		TIOSVERF	"X'01'" - VERIFICATION REQUIRED
41	(29)	ADDRESS	3	TIOEFSRT	- DURING PROBLEM PROGRAM, ADDRESS OF UCB. DURING ALLOCATION, BITS 0-11 CONTAIN OFFSET, IN THE UCB LOOK-UP TABLE, TO AN ADDRESS FOR A DEVICE REQUIRED OR ELIGIBLE FOR THIS DATA SET. THE UCB LOOK-UP TABLE HAS ADDRESSES OF UCB'S. BITS 12-23 CONTAIN OFFSET, IN THE STEP VOLUME TABLE (VOLT), TO THE VOLUME SERIAL NUMBER FOR THE VOLUME REQUIRED OR ELIGIBLE FOR THIS DATA SET.
TIOT POOL ENTRY					
41	(29)	X'2C'	0	POOLSTAR	"*"
44	(2C)	CHARACTER	1		- RESERVED

Table 460. Structure (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
45	(2D)	SIGNED	1	TIOPNSLT	- NUMBER OF SLOTS FOR POOL
46	(2E)	CHARACTER	1		- RESERVED
47	(2F)	SIGNED	1	TIOPNSRT	- NUMBER OF DEVICES (FILLED SLOTS)
48	(30)	CHARACTER	8	TIOPPOOL	- POOL NAME
56	(38)	BITSTRING	1	TIOPSTTB	- STATUS OF SLOT
57	(39)	ADDRESS	3	TIOPSLOT	- UCB ADDRESS OR EMPTY SLOT
60	(3C)	CHARACTER	4	TIOTFEND	- FINAL END OF THE TIOT - BINARY ZEROS

Table 461. Cross Reference for TIOT

Name	Offset	Hex Tag
POOLSTAR	29	2C
TIOCJSTN	10	
TIOCNJOB	0	
TIOCPSTN	8	
TIOCSTEP	8	
TIOCSTPN	8	
TIOEDDNM	1C	
TIOEDYNM	1B	10
TIOEFSRT	29	
TIOEJFCB	24	
TIOELINK	1B	
TIOELNGH	18	
TIOENTRY	10	18
TIOEQNAM	1B	8
TIOERLOC	1A	
TIOESSDS	1B	2
TIOESTTA	19	
TIOESTTB	28	
TIOESTTC	27	
TIOESYIN	1B	4
TIOESYOT	1B	2
TIOEWTCT	1A	
TIOPNSLT	2D	
TIOPNSRT	2F	
TIOPPOOL	30	
TIOPSLOT	39	
TIOPSTTB	38	
TIOSAFFP	27	20
TIOSAFFS	27	10
TIOSBALP	27	2
TIOSBALS	27	1
TIOSDADS	19	8
TIOSDEFR	27	40
TIOSDKCR	27	80
TIOSDSP1	19	2
TIOSDSP2	19	1

Table 461. Cross Reference for TIOT (continued)

Name	Offset	Hex Tag
TIOSJBLB	19	10
TIOSLABL	19	4
TIOSLTYP	19	80
TIOSMNTD	28	4
TIOSPLTP	19	40
TIOSPLTS	19	20
TIOSPVIO	28	20
TIOSREQD	28	40
TIOSSETU	28	8
TIOSUNLD	28	2
TIOSUSED	28	80
TIOSVERF	28	1
TIOSVLSR	28	10
TIOSVOLP	27	8
TIOSVOLS	27	4
TIOSYOUT	1B	80
TIOTFEND	3C	
TIOTREM	1B	1
TIOTRV01	1B	40
TIOTTERM	1B	20
TIOT1	0	0

Chapter 127. TMRB Information

TMRB Heading Information

Common Name:	TIOT Manager Request Block
Macro ID:	IEFZB424
DSECT Name:	TIOMGRRB
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Main Storage: No Virtual Storage: Yes Auxiliary Storage: Yes Key: 1 (Allocation) or 0 (Consoles) Data Space: No Residency: Anywhere (Allocation) or Below (Consoles)
Size:	48 Bytes
Created by:	Callers of the TIOT Manager, IEFAB4FC
Pointed to by:	Upon entry to IEFAB4FC General Purpose Register 1 points to a pointer to the TIOT Manager Request Block
Serialization:	None
Function:	The request block contains the input data required by the TIOT Manager, IEFAB4FC. This input includes a function map which indicates the functions which are to be performed for each entry to the TIOT Manager. Other information required depends on the operation as indicated by each field.

TMRB mapping

Table 462. Structure TIOMGRRB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	48	TIOMGRRB	TIOT MGR REQUEST BLOCK
0	(0)	BITSTRING	2	TIOMFMAP	FUNCTION MAP
		1...		TIOMBLD	CREATE TIOT & QDB
		.1..		TIOMINIT	REINITIALIZE TIOT & QDB
		..1.		TIOMALOC	ALLOCATE A TIOT DD ENTRY
		...1		TIOMRLSE	RELEASE A DD ENTRY
		.... 1...		TIOMUPD	UPDATE TIOT AND QDB
		.... .1..		TIOMCCAT	CONCATENATE DD ENTRIES
		.... ..1.		TIOMUNAL	UNALLOCATE (FREE) DSABS
		1		TIOMFREE	FREE TIOT & QDB
1	(1)	1...		TIOMRENT	RELEASE DD ENTRIES WHEN DSABS UNALLOCATED
		.1..		TIOMDSAO	USE ONLY DSABS IN INPUT LIST WHEN CONCATENATING
		..1.		TIOMFDYN	FREE DYNAMIC ALLOCATION TABLE
		...1		TIOMXTIO	ALLOCATE XTIOT ENTRY
		.... 1...		*	RESERVED, was TIOMDSAA
		.... .1..		TIOMDSAM	Perform any DSAM processing related to the requested function

Table 462. Structure TIOMGRRB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		TIOMXTIOTDEFERQUEUE	Defer queue of XTIOT until IEFDB413 (dynalloc)
		1		*	RESERVED
2	(2)	UNSIGNED	2	TIOMTSZE	SIZE OF TIOT, REQUIRED INPUT ONLY FOR CREATE FUNCTION
4	(4)	ADDRESS	4	TIOMJSCP	POINTER TO JSCB, REQUIRED FOR ALL FUNCTIONS
8	(8)	ADDRESS	4	TIOMJNMP	POINTER TO JOB NAME, ONLY REQUIRED FOR CREATE AND INITIALIZE FUNCTIONS
12	(C)	ADDRESS	4	TIOMSNMP	POINTER TO STEP NAME, ONLY REQUIRED FOR CREATE AND INITIALIZE FUNCTIONS
16	(10)	ADDRESS	4	TIOMENTP	PTR TO DD ENTRY TO BE RE-LEASED, REQUIRED FOR RELEASE FUNCTION ONLY
20	(14)	ADDRESS	4	TIOMDSAP	PTR TO LIST OF DSABS REQUIRED FOR UNALLOCATE, CONCATENATE AND RELEASE FUNCTIONS. THERE WILL ONLY BE 1 DSAB ON THE LIST FOR THE RELEASE FUNCTION
24	(18)	ADDRESS	4	TIOMSIOP	PTR TO FIRST SIOT ON CHAIN, REQUIRED FOR UPDATE FUNCTION
28	(1C)	ADDRESS	4	TIOMRETP	PTR TO RETURN INFO AREA, REQUIRED FOR ALLOCATE, CREATE, & INITIALIZE FUNCTIONS
32	(20)	ADDRESS	4	TIOMPSNP	POINTER TO PROC STEP NAME, REQUIRED ONLY FOR CREATE AND INITIALIZE FUNCTIONS
36	(24)	SIGNED	2	TIOMIUSL	IN-LINE LIMIT, REQUIRED ONLY FOR CREATE AND INITIALIZE FUNCTIONS
38	(26)	SIGNED	2	TIOMDEVS	NUMBER OF DEVICES FOR AN ALLOCATE REQUEST
40	(28)	ADDRESS	4	TIOMASWA	ADDRESS OF CURRENT ASWA
44	(2C)	CHARACTER	4	*	DWORD BOUNDARY

Table 463. Cross Reference for TMRB

Name	Offset	Hex Tag
TIOMALOC	0	20
TIOMASWA	28	
TIOMBLD	0	80
TIOMCCAT	0	04
TIOMDEVS	26	
TIOMDSAM	1	04
TIOMDSAO	1	40
TIOMDSAP	14	
TIOMENTP	10	
TIOMFDYN	1	20
TIOMFMAP	0	
TIOMFREE	0	01
TIOMGRRB	0	

Table 463. Cross Reference for TMRB (continued)

Name	Offset	Hex Tag
TIOMINIT	0	40
TIOMIUSL	24	
TIOMJNMP	8	
TIOMJSCP	4	
TIOMPSNP	20	
TIOMRENT	1	80
TIOMRETP	1C	
TIOMRLSE	0	10
TIOMSIOP	18	
TIOMSNMP	C	
TIOMTSZE	2	
TIOMUNAL	0	02
TIOMUPD	0	08
TIOMXTIO	1	10
TIOMXTIOTDEFERQUEUE	1	02

Chapter 128. TMTRC Information

TMTRC Heading Information

Common Name:	Task Manangement Services System Trace Entry Templates
Macro ID:	IHATMTRC
DSECT Name:	TMWAIT, TMPOST, TMSETS1, TMSETS2, TMCHAP, TMCHPF03
Owning Component:	TASK MANAGEMENT (SC1CL)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 239 Key: 0 Residency: SQA (above 16m)
Size:	20 bytes per template
Created by:	IEAVNIP0
Pointed to by:	WSACSTPL field of the Cpu-Related WSAVT
Serialization:	Disablement serializes System Trace parameter list
Function:	Provides a template for building Task Management Services system trace table entries.

TMTRC mapping

Table 464. Structure TMWAIT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	TMWAIT	IEAVWAIT AND IEAVEWTP ENTRY POINTS OF IEAVEWAT SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0001, AND X0128)
0	(0)	ADDRESS	4	TMWTRET	CALLERS RETURN ADDRESS (ZERO IF IEAVEWTP TO INDICATE PC ENTERED ROUTINE)
4	(4)	SIGNED	4	TMWTECBA	ECB ADDRESS OR ECB LIST ADDRESS PROCESSED BY IEAVEWAT
8	(8)	SIGNED	4	TMWTCNT	WAIT COUNT
12	(C)	CHARACTER	8	TMWTRSV	RESERVED
20	(14)	CHARACTER	0	TMWAITE	END OF IEAVEWAT SYSTEM TRACE ENTRY TEMPLATE

Table 465. Structure TMPOST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	TMPOST	IEA0PT01, IEA0PT02, IEA0PT03, AND IEAVEPTP ENTRY POINTS OF IEAVEWAT SYSTEM TRACE ENTRY TEMPLATE (SRVID=X0129, X0002, X012A, AND X012B)
0	(0)	ADDRESS	4	TMPTRET	CALLERS RETURN ADDRESS (ZERO IF IEAVEPTP TO INDICATE PC ENTERED ROUTINE)
4	(4)	SIGNED	4	TMPTECBA	ADDRESS OF ECB PROCESSED BY IEAVEPST

Table 465. Structure TMPOST (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	SIGNED	4	TMPTSUCC	SYSTEM/USER COMPLETION CODE - IF THE ECB ADDRESS IS ZERO, THIS IS THE RB ADDRESS.
12	(C)	ADDRESS	4	TMPTASCB	TARGET ASCB ADDRESS OF CROSS-MEMORY POST OR ZERO (NONZERO ONLY IF CROSS-MEMORY POST)
16	(10)	ADDRESS	4	TMPTERRT	ERRET ROUTINE ADDRESS FOR CROSS-MEMORY POST OR ZERO (NONZERO ONLY IF CROSS-MEMORY POST)
20	(14)	CHARACTER	0	TMPOSTE	END OF IEAVEPST SYSTEM TRACE ENTRY TEMPLATE

Table 466. Structure TMSETS1

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	TMSETS1	IGC07905 ENTRY POINT OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE (SRVID=X012D)
0	(0)	ADDRESS	4	TMST1RET	IGC07905 CALLERS RETURN ADDRESS
4	(4)	SIGNED	4	TMST1TCB	TARGET TCB ADDRESS
8	(8)	UNSIGNED	2	TMST1IAC	INPUT ACTION CODE
10	(A)	BITSTRING	1	TMST1FLG	IEAVSETS OPTION FLAG BYTE
		1...		TMST1FSR	SET/RESET OPERAND INDICATION (0-SET AND 1-RESET)
11	(B)	CHARACTER	1	TMST1RSV	RESERVED
12	(C)	SIGNED	2	TMST1IAS	INPUT ASID
14	(E)	CHARACTER	6	TMST1RV2	RESERVED
20	(14)	CHARACTER	0	TMSET1E	END OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE

Table 467. Structure TMSETS2

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	TMSETS2	IEAVSET1 ENTRY POINT OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE (SRVID=X012E)
0	(0)	ADDRESS	4	TMST2RET	IEAVSET1 CALLERS RETURN ADDRESS
4	(4)	SIGNED	4	TMST2ASA	CURRENTLY DISPATCHED ASCB ADDRESS
8	(8)	CHARACTER	12	TMST2RSV	RESERVED
20	(14)	CHARACTER	0	TMSET2E	END OF IEAVSETS SYSTEM TRACE ENTRY TEMPLATE

Table 468. Structure TMCHAP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	20	TMCHAP	ASCBCHAP SYSTEM TRACE ENTRY TEMPLATE (SRVID=X012C)
0	(0)	ADDRESS	4	TMCHPRET	ASCBCHAP CALLERS RETURN ADDRESS

Table 468. Structure TMCHAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	SIGNED	4	TMCHPFC	ASCBCHAP FUNCTION CODE - 0 - MOVE, 1 - ADD, 2 - DELETE, 3 - EXTENDED MOVE 4 - Enclave Move
8	(8)	CHARACTER	8	TMCHPFDT	ASCBCHAP function dependend data (ASCB address and dispatching priority for Add and Delete, first move parameter vector entry for Move or Enclave Move, or first extended move table entry for Extended Move.)
8	(8)	BITSTRING	2	TMCHPFL	FOR TMCHPFC=0 or 4: FLAG BITS - HI-ORDER BIT ON INDICATES THE LAST PARAMETER VECTOR ENTRY
10	(A)	SIGNED	2	TMCHPDP	FOR TMCHPFC=0,1,2, OR 4: DISPATCHING PRIORITY
12	(C)	ADDRESS	4	TMCHPAS	FOR TMCHPFC=0,1, OR 2: ASCB ADDRESS
12	(C)	ADDRESS	4	TMCHPENC	FOR TMCHPFC=4: Enclave address
16	(10)	CHARACTER	4	TMCHPRSV	RESERVED
20	(14)	CHARACTER	0	TMCHAPE	END OF ASCBCHAP SYSTEM TRACE ENTRY TEMPLATE

Table 469. Structure TMCHPF03

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	STRUCTURE	8	TMCHPF03	MAP THE FUNCTION DEPENDENT AREA TO SHOW ITS CONTENTS FOR TMCHPFC=3
8	(8)	UNSIGNED	1	TMCHPFUN	FOR TMCHPFC=3: EXTENDED FUNCTION (4=CHAP UP, 8=CHAP DOWN)
9	(9)	UNSIGNED	1	TMCHPTSG	FOR TMCHPFC=3: TIME SLICE GROUP NUMBER
10	(A)	SIGNED	2	TMCHPCNT	FOR TMCHPFC=3: NUMBER OF USERS IN THE TIME SLICE GROUP
12	(C)	ADDRESS	4	TMCHPNXT	FOR TMCHPFC=3: POINTER TO NEXT EXTENDED MOVE TABLE ENTRY

Table 470. Cross Reference for TMTRC

Name	Offset	Hex Tag
TMCHAP	0	
TMCHAPE	14	
TMCHPAS	C	
TMCHPCNT	A	
TMCHPDP	A	
TMCHPENC	C	
TMCHPFC	4	
TMCHPFDT	8	
TMCHPFL	8	
TMCHPFUN	8	
TMCHPF03	8	
TMCHPNXT	C	

Table 470. Cross Reference for TMTRC (continued)

Name	Offset	Hex Tag
TMCHPRET	0	
TMCHPRSV	10	
TMCHPTSG	9	
TMPOST	0	
TMPOSTE	14	
TMPTASCB	C	
TMPTECBA	4	
TMPTERRT	10	
TMPTRET	0	
TMPTSUCC	8	
TMSETS1	0	
TMSETS2	0	
TMSET1E	14	
TMSET2E	14	
TMST1FLG	A	
TMST1FSR	A	80
TMST1IAC	8	
TMST1IAS	C	
TMST1RET	0	
TMST1RSV	B	
TMST1RV2	E	
TMST1TCB	4	
TMST2ASA	4	
TMST2RET	0	
TMST2RSV	8	
TMWAIT	0	
TMWAITE	14	
TMWTCNT	8	
TMWTECBA	4	
TMWTRET	0	
TMWTRSV	C	

Chapter 129. TOB Information

TOB Heading Information

Common Name: SYSTEM TRACE OPTION BLOCK (TOB)
Macro ID: IHATOB
DSECT Name: TOB
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID: TOB
Offset: 0
Length: 4
Storage Attributes: Subpool: NUCLEUS (Above)
Key: 0
Size: 144
Created by: EXISTS AS NUCLEUS RESIDENT MODULE IEAVETOB
Pointed to by: TRVTTOB
Serialization: GENERAL:
WHEN THE TRACE ADDRESS SPACE DOES NOT EXIST OR IS
NOT OPERATIONAL AS A CROSS MEMORY ADDRESS SPACE,
ALL TOB FIELDS ARE (RE)INITIALIZED UNDER AN
ENQ ON THE TRACE RESOURCE.
FIELD TOBTRCI IS UPDATED AT ANY TIME VIA
COMPARE AND SWAP.
FIELD TOBPWAW1 IS UPDATED AT ANY TIME UNDER
DISABLEMENT ON THE PROCESSOR.
GLOBAL FIELDS:
WHEN THE TRACE ADDRESS SPACE IS OPERATIONAL
AS A CROSS MEMORY ADDRESS SPACE,
THE GLOBAL TRACE STATE FIELDS ARE SERIALIZED
BY COMPARE AND SWAP, THE TRACE SPIN LOCK AND/OR
SYSTEM TRACE ADDRESS SPACE LOCAL LOCK.
SEE THE COMMENT ON THE PARTICULAR FIELD.
FIELD TOBTRCI IS UPDATED AT ANY TIME VIA
COMPARE AND SWAP.
PROCESSOR RELATED FIELDS:
WHEN THE TRACE ADDRESS SPACE IS OPERATIONAL
AS A CROSS MEMORY ADDRESS SPACE,
THE PROCESSOR TRACE STATE FIELDS ARE SERIALIZED
BY DISABLEMENT, THE TRACE SPIN LOCK AND/OR
SYSTEM TRACE ADDRESS SPACE LOCAL LOCK.
SEE THE COMMENT ON THE PARTICULAR FIELD.
FIELD TOBPWAW1 IS UPDATED AT ANY TIME UNDER
DISABLEMENT ON THE PROCESSOR.
Function: CONTAIN THE SYSTEM TRACE CONFIGURATION AND STATE
INFORMATION.

TOB mapping

Table 471. Structure TOB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	144	TOB	TRACE OPTION BLOCK.
0	(0)	CHARACTER	21	TOBIDENT	TOB IDENTIFICATION FIELDS.

Table 471. Structure TOB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	CHARACTER	4	TOBID	TOB EBCDIC IDENTIFIER.
4	(4)	CHARACTER	8	TOBDATE	MODULE DATE.
12	(C)	CHARACTER	8	TOBMLVL	MODULE LEVEL.
20	(14)	UNSIGNED	1	TOBBLVL	CONTROL BLOCK LEVEL NUMBER.
21	(15)	BITSTRING	1	TOBTRFG1	TRACE STATUS FLAGS. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
		1...		TOBSVACT	TRACE SERVICES AVAILABLE.
		.1..		TOBSTACT	TRACE ACTIVE FLAG.
		..11 1111		*	RESERVED.
22	(16)	BITSTRING	1	TOBTRFG2	TRACE PENDING FLAGS. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
		1...		TOBPNDEA	TRACE ENVIRONMENT ALTERATION PENDING.
		.1..		TOBPNDOF	TRACEOFF PENDING.
		..11 1111		*	RESERVED.
23	(17)	BITSTRING	1	TOBTRFG3	MISCELLANEOUS TRACE FLAGS.
		1...		TOBTAST	TRACE ADDRESS SPACE TERMINATION IN PROGRESS FLAG.
		.1..		TOBTAST1	TRACE address space has terminated at least once.
		..11 1111		*	Reserved.
24	(18)	CHARACTER	4	TOBRSVD2	TOBTROPT was here prior to R10. Do not use this field so that someone who had code to reference this would get zeroes
28	(1C)	UNSIGNED	2	TOBTRPOL	NUMBER OF PROCESSORS WITH TRACE CURRENTLY ACTIVE AND/OR SUSPENDED. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
30	(1E)	CHARACTER	2	TOBTRBUF_OLD	TOBTRBUF was here prior to R9. Do not use this field so that someone who had code to reference this would get zeroes
32	(20)	ADDRESS	4	TOBASCB	TRACE ADDRESS SPACE ASCB ADDRESS.
36	(24)	UNSIGNED	2	TOBTTRCT	Transaction Trace ETXR count count
38	(26)	UNSIGNED	2	TOBASID	TRACE ADDRESS SPACE ASID.
40	(28)	ADDRESS	4	TOBAASCB	THE ALTRTRC (OR CREATING) ADDRESS SPACE ASCB ADDRESS.
44	(2C)	ADDRESS	4	TOBVSRB	VERIFICATION SRB ADDRESS. SERIALIZATION - THE TRACE ADDRESS SPACE LOCAL LOCK.
48	(30)	CHARACTER	2	TOBDMPID	TRACE DUMP ID. SERIALIZATION - THE TRACE ADDRESS SPACE LOCAL LOCK.
50	(32)	UNSIGNED	2	TOB_BUFFERSPERCPU_MINITRACE	Number of 4K buffers per CPU in a mini-snapshot

Table 471. Structure TOB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
52	(34)	SIGNED	4	TOBTRMID	TRACE TERMINATION MESSAGE ID.
56	(38)	SIGNED	4	TOBTRCI	TRACE TTE CONTINUATION INFORMATION COUNT. SERIALIZATION - COMPARE AND SWAP.
60	(3C)	ADDRESS	4	TOBPEAD	ADDRESS OF THE PROCESSOR ENTRIES. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
64	(40)	CHARACTER	8	TOBTTCHQ	TTCH QUEUE HEADER. SERIALIZATION - THE TRACE ADDRESS SPACE LOCAL LOCK.
64	(40)	ADDRESS	4	TOBTTCHF	TTCH FORWARD CHAIN.
68	(44)	ADDRESS	4	TOBTTCHB	TTCH BACKWARD CHAIN.
72	(48)	UNSIGNED	8	TOBTRBUFCP	NUMBER OF BUFFERS REQUESTED PER PROCESSOR. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
80	(50)	UNSIGNED	8	TOBTRINP	Input buffers from TRACE cmd
88	(58)	BITSTRING	8	TOBTROPT	Trace options requested in approximately CR12 format. It must never be used without ANDing with the mask needed for the architecture. INITIAL STATE IS X'00000003'. SERIALIZATION - THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK.
88	(58)	CHARACTER	1	TOBTROB0	
		1...		TOBTRBR	BRANCH TRACE OPTION. BIT 0.
		.1..		TOBTRMO	MODE trace option. Bit 1.
89	(59)	CHARACTER	6	*	
95	(5F)	BITSTRING	1	TOBTROB4	LAST BYTE OF TRACE OPTIONS REQUESTED.
		1111 11..		*	RESERVED.
		.... ..1.		TOBTRASD	ASID TRACE OPTION. BIT 30.
		1		TOBTREXP	EXPLICIT TRACE OPTION. BIT 31.
96	(60)	UNSIGNED	8	TOBREQBUFSIZINM	Size requested by BUFSIZ= in 1M units
104	(68)	ADDRESS	4	TOBLLWA	Address of key 0 work area, serialized by TRACE CML lock
108	(6C)	UNSIGNED	4	TOB_MAXNUMBEROFSNAPSHOTS	Maximum number of full snapshots before we start creating mini-snapshots
112	(70)	CHARACTER	8	TOB_BR_ACTIVATION_TOD	STCK value when BR option was activated first
120	(78)	CHARACTER	8	TOB_MODE_ACTIVATION_TOD	STCK value when Mode option was activated first
128	(80)	CHARACTER	8	TOB_SNAPTRC_HWMARK_TOD	The most recent time that the SNAPTRC high water mark (TOB_SNAPTRC_HwMark) was updated
136	(88)	SIGNED	4	TOB_SNAPTRC_HWMARK	The highest value of the number of currently existing snapshots (TOB_NumberOfSnapshots) that has been

Table 471. Structure TOB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
140	(8C)	SIGNED	4	TOB_NUMBEROFSNAPSHOTS	The number of currently existing snapshots
144	(90)	CHARACTER	0	TOBEND	END OF TOB.

Table 472. Structure TOBPE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	TOBPE(*)	PROCESSOR ENTRY. NOTE THAT IEAVCBLS MUST BE RECOMPILED IF LENGTH CHANGES
0	(0)	BITSTRING	1	TOBPFG1	PROCESSOR FLAGS. SERIALIZATION - DISABLEMENT ON THE PROCESSOR, OR THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK IF THE PROCESSOR IS NOT ALIVE (CSDCPUAL).
		1...		TOBPTSA	PROCESSOR TRACE STRUCTURE AVAILABLE.
		.111 1111		*	RESERVED.
1	(1)	CHARACTER	1	TOBPRSV1	RESERVED.
2	(2)	CHARACTER	2	TOBPBUF_OLD	TOBPBUF was here prior to R9. Do not use this field so that someone who had code to reference this would get zeroes
4	(4)	ADDRESS	4	TOBPTBVT	VIRTUAL POINTER INTO CURRENT TRACE BUFFER VECTOR TABLE (TBVT) QUEUE FOR THE INDEXED PROCESSOR. ADDRESS OF MOST CURRENT TBVT WHEN TRACE IS SUSPENDED OR INACTIVE ON THE PROCESSOR. SERIALIZATION - DISABLEMENT ON THE PROCESSOR, OR THE TRACE ADDRESS SPACE LOCAL LOCK IF THE PROCESSOR IS NOT ALIVE (CSDCPUAL).
8	(8)	UNSIGNED	8	TOBPBUFCP	NUMBER OF BUFFERS FOR THIS PROCESSOR. SERIALIZATION - DISABLEMENT ON THE PROCESSOR, OR THE TRACE SPIN LOCK AND THE TRACE ADDRESS SPACE LOCAL LOCK IF THE PROCESSOR IS NOT ALIVE (CSDCPUAL).
16	(10)	CHARACTER	0	TOBPEND	END OF PROCESSOR ENTRY.

Table 473. Constants for TOB

Len	Type	Value	Name	Description
1	DECIMAL	3	TOBLVLN	TOB LEVEL NUMBER
4	DECIMAL	256	TOBTRBUFDEFAULT	Default number of buffers
4	DECIMAL	4096	TOBLLWAS	Size of area pointed to by TOBLLWA

Table 474. Cross Reference for TOB

Name	Offset	Hex Tag
TOB	0	
TOB_BR_ACTIVATION_TOD	70	
TOB_BUFFERSPERCPU_MINITRACE	32	
TOB_MAXNUMBEROFSNAPSHOTS	6C	
TOB_MODE_ACTIVATION_TOD	78	
TOB_NUMBEROFSNAPSHOTS	8C	
TOB_SNAPTRC_HWMARK	88	
TOB_SNAPTRC_HWMARK_TOD	80	
TOBAASCB	28	
TOBASCB	20	
TOBASID	26	
TOBBLVL	14	
TOBDATE	4	
TOBDMPID	30	
TOBEND	90	
TOBID	0	
TOBIDENT	0	
TOBLLWA	68	
TOBMLVL	C	
TOBPBUF_OLD	2	
TOBPBUFCP	8	
TOBPE	0	
TOBPEAD	3C	
TOBPEND	10	
TOBPFG1	0	
TOBPNDEA	16	80
TOBPNDOF	16	40
TOBPRSV1	1	
TOBPTBVT	4	
TOBPTSA	0	80
TOBREQBUFSIZINM	60	
TOBRSVD2	18	
TOBSTACT	15	40
TOBSVACT	15	80
TOBTAST	17	80
TOBTAST1	17	40
TOBTRASD	5F	02
TOBTRBR	58	80
TOBTRBUF_OLD	1E	
TOBTRBUFCP	48	
TOBTRCI	38	
TOBTREXP	5F	01
TOBTRFG1	15	
TOBTRFG2	16	
TOBTRFG3	17	
TOBTRINP	50	
TOBTRMID	34	
TOBTRMO	58	40
TOBTROB0	58	

Table 474. Cross Reference for TOB (continued)

Name	Offset	Hex Tag
TOBTROB4	5F	
TOBTROPT	58	
TOBTRPOL	1C	
TOBTTCHB	44	
TOBTTCHF	40	
TOBTTCHQ	40	
TOBTTRCT	24	
TOBVSRB	2C	

Chapter 130. TOT Information

TOT Heading Information

Common Name: System trace operand table (TOT)
Macro ID: IHATOT
DSECT Name: TOT
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID: TOT
Offset: 0
Length: 4
Storage Attributes: Subpool: NUCLEUS (BELOW THE 16M LINE)
Key: 0
Size: 360 BYTES
Created by: EXISTS AS NUCLEUS RESIDENT MODULE IEAVETOT
Pointed to by: PSATOT
Serialization: N/A
Function: Create or map the table of trace operands used when issuing the trace instruction.

TOT mapping

Table 475. Structure TOT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	440	TOT	Trace operand table
0	(0)	CHARACTER	4	TOTID	TOT EBCDIC identifier
4	(4)	CHARACTER	8	TOTDATE	Module date
12	(C)	CHARACTER	8	TOTMLVL	Module level
20	(14)	UNSIGNED	1	TOTBLVL	Control block level number
21	(15)	CHARACTER	3	TOTRSD1	Reserved
24	(18)	UNSIGNED	4	TOTNUME	Number of table entries
28	(1C)	UNSIGNED	4	TOTRSD2	Reserved
32	(20)	CHARACTER	0	TOTTOTE	Start of table entries
32	(20)	CHARACTER	8	TOTSSCH	TRACE OPERAND FOR TYPE SSCH.
		1...		TOTSSCHI	TRACE INHIBIT BIT.
40	(28)	CHARACTER	8	TOTMSCH	TRACE OPERAND FOR TYPE MSCH.
		1...		TOTMSCHI	TRACE INHIBIT BIT.
48	(30)	CHARACTER	8	TOTHSCH	TRACE OPERAND FOR TYPE HSCH.
		1...		TOTHSCHI	TRACE INHIBIT BIT.
56	(38)	CHARACTER	8	TOTCSCH	TRACE OPERAND FOR TYPE CSCH.
		1...		TOTCSCHI	TRACE INHIBIT BIT.
64	(40)	CHARACTER	8	TOTRSCH	TRACE OPERAND FOR TYPE RSCH.
		1...		TOTRSCHI	TRACE INHIBIT BIT.
72	(48)	CHARACTER	8	TOTEXT	TRACE OPERAND FOR TYPE EXT.
		1...		TOTEXTI	TRACE INHIBIT BIT.
80	(50)	CHARACTER	8	TOTEMS	TRACE OPERAND FOR TYPE EMS.
		1...		TOTEMSI	TRACE INHIBIT BIT.
88	(58)	CHARACTER	8	TOTSS	TRACE OPERAND FOR TYPE SS.
		1...		TOTSSI	TRACE INHIBIT BIT.
96	(60)	CHARACTER	8	TOTCALL	TRACE OPERAND FOR TYPE CALL.

Table 475. Structure TOT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		TOTCALLI	TRACE INHIBIT BIT.
104	(68)	CHARACTER	8	TOTCLKC	TRACE OPERAND FOR TYPE CLKC.
		1...		TOTCLKCI	TRACE INHIBIT BIT.
112	(70)	CHARACTER	8	TOTSVC	TRACE OPERAND FOR TYPE SVC.
		1...		TOTSVCI	TRACE INHIBIT BIT.
120	(78)	CHARACTER	8	TOTSVCR	TRACE OPERAND FOR TYPE SVCR.
		1...		TOTSVCRI	TRACE INHIBIT BIT.
128	(80)	CHARACTER	8	TOTSVCE	TRACE OPERAND FOR TYPE SVCE.
		1...		TOTSVCEI	TRACE INHIBIT BIT.
136	(88)	CHARACTER	8	TOTPGM	TRACE OPERAND FOR TYPE PGM.
		1...		TOTPGMI	TRACE INHIBIT BIT.
144	(90)	CHARACTER	8	TOTSPER	TRACE OPERAND FOR TYPE SPER.
		1...		TOTSPERI	TRACE INHIBIT BIT.
152	(98)	CHARACTER	8	TOTIO	TRACE OPERAND FOR TYPE IO.
		1...		TOTIOI	TRACE INHIBIT BIT.
160	(A0)	CHARACTER	8	TOTDSP	TRACE OPERAND FOR TYPE DSP.
		1...		TOTDSPI	TRACE INHIBIT BIT.
168	(A8)	CHARACTER	8	TOTSRB	TRACE OPERAND FOR TYPE SRB.
		1...		TOTSRBI	TRACE INHIBIT BIT.
176	(B0)	CHARACTER	8	TOTSSRB	TRACE OPERAND FOR TYPE SSRB.
		1...		TOTSSRBI	TRACE INHIBIT BIT.
184	(B8)	CHARACTER	8	TOTWAIT	TRACE OPERAND FOR TYPE WAIT.
		1...		TOTWAITI	TRACE INHIBIT BIT.
192	(C0)	CHARACTER	8	TOTMCH	TRACE OPERAND FOR TYPE MCH.
		1...		TOTMCHI	TRACE INHIBIT BIT.
200	(C8)	CHARACTER	8	TOTRST	TRACE OPERAND FOR TYPE RST.
		1...		TOTRSTI	TRACE INHIBIT BIT.
208	(D0)	CHARACTER	8	TOTACR	TRACE OPERAND FOR TYPE ACR.
		1...		TOTACRI	TRACE INHIBIT BIT.
216	(D8)	CHARACTER	8	TOTSUSP	TRACE OPERAND FOR TYPE SUSP.
		1...		TOTSUSPI	TRACE INHIBIT BIT.
224	(E0)	CHARACTER	8	TOTALTR	TRACE OPERAND FOR TYPE ALTR.
		1...		TOTALTRI	TRACE INHIBIT BIT.
232	(E8)	CHARACTER	8	TOTSSRV	TRACE OPERAND FOR TYPE SSRV.
		1...		TOTSSRVI	TRACE INHIBIT BIT.
240	(F0)	CHARACTER	8	TOTUSR0	TRACE OPERAND FOR TYPE USR0.
		1...		TOTUSR0I	TRACE INHIBIT BIT.
248	(F8)	CHARACTER	8	TOTUSR1	TRACE OPERAND FOR TYPE USR1.
		1...		TOTUSR1I	TRACE INHIBIT BIT.
256	(100)	CHARACTER	8	TOTUSR2	TRACE OPERAND FOR TYPE USR2.
		1...		TOTUSR2I	TRACE INHIBIT BIT.
264	(108)	CHARACTER	8	TOTUSR3	TRACE OPERAND FOR TYPE USR3.
		1...		TOTUSR3I	TRACE INHIBIT BIT.
272	(110)	CHARACTER	8	TOTUSR4	TRACE OPERAND FOR TYPE USR4.
		1...		TOTUSR4I	TRACE INHIBIT BIT.
280	(118)	CHARACTER	8	TOTUSR5	TRACE OPERAND FOR TYPE USR5.
		1...		TOTUSR5I	TRACE INHIBIT BIT.
288	(120)	CHARACTER	8	TOTUSR6	TRACE OPERAND FOR TYPE USR6.
		1...		TOTUSR6I	TRACE INHIBIT BIT.
296	(128)	CHARACTER	8	TOTUSR7	TRACE OPERAND FOR TYPE USR7.
		1...		TOTUSR7I	TRACE INHIBIT BIT.
304	(130)	CHARACTER	8	TOTUSR8	TRACE OPERAND FOR TYPE USR8.

Table 475. Structure TOT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		TOTUSR8I	TRACE INHIBIT BIT.
312	(138)	CHARACTER	8	TOTUSR9	TRACE OPERAND FOR TYPE USR9.
		1...		TOTUSR9I	TRACE INHIBIT BIT.
320	(140)	CHARACTER	8	TOTUSRA	TRACE OPERAND FOR TYPE USRA.
		1...		TOTUSRAI	TRACE INHIBIT BIT.
328	(148)	CHARACTER	8	TOTUSRB	TRACE OPERAND FOR TYPE USRB.
		1...		TOTUSRBI	TRACE INHIBIT BIT.
336	(150)	CHARACTER	8	TOTUSRC	TRACE OPERAND FOR TYPE USRC.
		1...		TOTUSRCI	TRACE INHIBIT BIT.
344	(158)	CHARACTER	8	TOTUSRD	TRACE OPERAND FOR TYPE USRD.
		1...		TOTUSRDI	TRACE INHIBIT BIT.
352	(160)	CHARACTER	8	TOTUSRE	TRACE OPERAND FOR TYPE USRE.
		1...		TOTUSREI	TRACE INHIBIT BIT.
360	(168)	CHARACTER	8	TOTUSRF	TRACE OPERAND FOR TYPE USRF.
		1...		TOTUSRFI	TRACE INHIBIT BIT.
368	(170)	CHARACTER	8	TOTRCVY	TRACE OPERAND FOR TYPE RCVY.
		1...		TOTRCVYI	TRACE INHIBIT BIT.
376	(178)	CHARACTER	8	TOTTIME	TRACE OPERAND FOR TYPE TIME.
		1...		TOTTIMEI	TRACE INHIBIT BIT.
384	(180)	CHARACTER	8	TOTSIGA	TRACE OPERAND FOR TYPE SIGA.
		1...		TOTSIGAI	TRACE INHIBIT BIT.
392	(188)	CHARACTER	8	TOTXSCH	TRACE OPERAND FOR TYPE XSCH.
		1...		TOTXSCHI	TRACE INHIBIT BIT.
400	(190)	CHARACTER	8	TOTSPIN	TRACE OPERAND FOR TYPE SPIN.
		1...		TOTSPINI	TRACE INHIBIT BIT.
408	(198)	CHARACTER	8	TOTPCIL	TRACE OPERAND FOR TYPE PCIL.
		1...		TOTPCILI	TRACE INHIBIT BIT.
416	(1A0)	CHARACTER	8	TOTPCIA	TRACE OPERAND FOR TYPE PCIA.
		1...		TOTPCIAI	TRACE INHIBIT BIT.
424	(1A8)	CHARACTER	8	TOTAINT	TRACE OPERAND FOR TYPE AINT.
		1...		TOTAINTI	TRACE INHIBIT BIT.
432	(1B0)	CHARACTER	8	TOTPDMX	TRACE OPERAND FOR TYPE PDMX.
		1...		TOTPDMXI	TRACE INHIBIT BIT.
440	(1B8)	CHARACTER	0	TOTEND	End of TOT

Table 476. Constants for TOT

Len	Type	Value	Name	Description
1	DECIMAL	1	TOTLVLN	TOT level number

Table 477. Cross Reference for TOT

Name	Offset	Hex Tag
TOT	0	
TOTACR	D0	
TOTACRI	D0	80
TOTAINT	1A8	
TOTAINTI	1A8	80
TOTALTR	E0	
TOTALTRI	E0	80
TOTBLVL	14	

Table 477. Cross Reference for TOT (continued)

Name	Offset	Hex Tag
TOTCALL	60	
TOTCALLI	60	80
TOTCLKC	68	
TOTCLKCI	68	80
TOTCSCH	38	
TOTCSCHI	38	80
TOTDATE	4	
TOTDSP	A0	
TOTDSPI	A0	80
TOTEMS	50	
TOTEMSI	50	80
TOTEND	1B8	
TOTEXT	48	
TOTEXTI	48	80
TOTHSCH	30	
TOTHSCHI	30	80
TOTID	0	
TOTIO	98	
TOTIOI	98	80
TOTMCH	C0	
TOTMCHI	C0	80
TOTMLVL	C	
TOTMSCH	28	
TOTMSCHI	28	80
TOTNUME	18	
TOTPCIA	1A0	
TOTPCIAI	1A0	80
TOTPCIL	198	
TOTPCILI	198	80
TOTPDMX	1B0	
TOTPDMXI	1B0	80
TOTPGM	88	
TOTPGMI	88	80
TOTRCVY	170	
TOTRCVYI	170	80
TOTRSCH	40	
TOTRSCHI	40	80
TOTRSD1	15	
TOTRSD2	1C	
TOTRST	C8	
TOTRSTI	C8	80
TOTSIGA	180	
TOTSIGAI	180	80
TOTSPER	90	
TOTSPERI	90	80
TOTSPIN	190	
TOTSPINI	190	80
TOTSRB	A8	
TOTSRBI	A8	80

Table 477. Cross Reference for TOT (continued)

Name	Offset	Hex Tag
TOTSS	58	
TOTSSCH	20	
TOTSSCHI	20	80
TOTSSI	58	80
TOTSSRB	B0	
TOTSSRBI	B0	80
TOTSSRV	E8	
TOTSSRVI	E8	80
TOTSUSP	D8	
TOTSUSPI	D8	80
TOTSVC	70	
TOTSVCE	80	
TOTSVCEI	80	80
TOTSVCI	70	80
TOTSVCR	78	
TOTSVCRI	78	80
TOTTIME	178	
TOTTIMEI	178	80
TOTTOTE	20	
TOTUSRA	140	
TOTUSRAI	140	80
TOTUSRB	148	
TOTUSRBI	148	80
TOTUSRC	150	
TOTUSRCI	150	80
TOTUSRD	158	
TOTUSRDI	158	80
TOTUSRE	160	
TOTUSREI	160	80
TOTUSRF	168	
TOTUSRFI	168	80
TOTUSR0	F0	
TOTUSR0I	F0	80
TOTUSR1	F8	
TOTUSR1I	F8	80
TOTUSR2	100	
TOTUSR2I	100	80
TOTUSR3	108	
TOTUSR3I	108	80
TOTUSR4	110	
TOTUSR4I	110	80
TOTUSR5	118	
TOTUSR5I	118	80
TOTUSR6	120	
TOTUSR6I	120	80
TOTUSR7	128	
TOTUSR7I	128	80
TOTUSR8	130	
TOTUSR8I	130	80

Table 477. Cross Reference for TOT (continued)

Name	Offset	Hex Tag
TOTUSR9	138	
TOTUSR9I	138	80
TOTWAIT	B8	
TOTWAITI	B8	80
TOTXSCH	188	
TOTXSCHI	188	80

Chapter 131. TPC Information

TPC Programming Interface Information

ONLY the following field is part of the programming interface information:

- TPCSDIE

TPC Heading Information

Common Name: TIMER SUPERVISION WORK AREA
Macro ID: IEAVVTPC
DSECT Name: TPC
Owning Component: TIMER SUPERVISION (SC1CV)
Eye-Catcher ID: ' TPC'
Offset: 0
Length: 4
Storage Attributes: Subpool: 245
Key: 0
Residency: below 16 Meg line
Size: 424 BYTES (DECIMAL)
Created by: IEATPC
Pointed to by: CVTTPC
Serialization: Dispatcher lock
Function: PROVIDE DATA MAPPING OF THE TPC.

TPC mapping

Table 478. Structure TPC

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TPC	,TPCPTR
0	(0)	DBL WORD	8	IEATPC(0)	TIMER SUPERVISION WORK AREA
0	(0)	CHARACTER	4	TPCTPCA	TPC IDENTIFICATION
4	(4)	BITSTRING	1	TPCFLGS1	TPCA FLAG BYTE 1
		1...		TPCABND	"X'80'" REAL TQES ABENDED
		.1..		TPCSOFF	"X'40'" STP is not supported if set to 1.
		..1.		TPCUNKWN	"X'20'" IO CLOCK STAT UNKNOWN
		...1		TPCPRMPT	"X'10'" OPERATOR PROMPTING REQUIRED DURING TOD CLOCK INITIALIZATION. CONTROLLED BY SYS1.PARMLIB MEMBER CLOCKXX OPERATOR STATEMENT
		.... 1...		TPCIPLSC	"X'08'" TOD SYNC CHECK OCCURRED DURING IPL
		.... .1..		TPCSIM	"X'04'" SIMETRID SPECIFIED IN SYS1.PARMLIB MEMBER CLOCKXX
5	(5)	BITSTRING	2		RESERVED
7	(7)	BITSTRING	1	TPCCC	STCK CONDITION CODE
8	(8)	SIGNED	4	TPCTZORG	IPL TIME ZONE CONSTANT
12	(C)	ADDRESS	4	TPCHDCCQ	HEAD OF REAL TIME QUEUE

Table 478. Structure TPC (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
16	(10)	CHARACTER	4	TPCDMTQE	DUMMY TQE
20	(14)	ADDRESS	4	DFD	DUMMY TQE
24	(18)	ADDRESS	4		DUMMY TQE
28	(1C)	SIGNED	2		DUMMY TQE
30	(1E)	BITSTRING	1		DUMMY TQE
31	(1F)	BITSTRING	1		DUMMY TQE
32	(20)	BITSTRING	8		DUMMY TQE
40	(28)	CHARACTER	4	TPCMNTQE	MIDNIGHT TQE
44	(2C)	SIGNED	4		MIDNIGHT TQE
48	(30)	SIGNED	4		MIDNIGHT TQE
52	(34)	SIGNED	2		MIDNIGHT TQE
54	(36)	BITSTRING	1		MIDNIGHT TQE
55	(37)	BITSTRING	1		MIDNIGHT TQE
56	(38)	SIGNED	4	MNIGHT(2)	MIDNIGHT TQE
64	(40)	CHARACTER	4	TPCMFTQE	RMF TQE
68	(44)	SIGNED	4		RMF TQE
72	(48)	SIGNED	4		RMF TQE
76	(4C)	SIGNED	2		RMF TQE
78	(4E)	BITSTRING	1		RMF TQE
79	(4F)	BITSTRING	1		RMF TQE
80	(50)	SIGNED	4	(2)	RMF TQE
88	(58)	CHARACTER	4	IEATSELM	SYSTEM RESOURCES MANAGER TQE
92	(5C)	SIGNED	4		SYSTEM RESOURCES MANAGER TQE
96	(60)	SIGNED	4		SYSTEM RESOURCES MANAGER TQE
100	(64)	SIGNED	2		SYSTEM RESOURCES MANAGER TQE
102	(66)	BITSTRING	1		SYSTEM RESOURCES MANAGER TQE
103	(67)	BITSTRING	1		SYSTEM RESOURCES MANAGER TQE
104	(68)	SIGNED	4	(2)	SYSTEM RESOURCES MANAGER TQE
112	(70)	CHARACTER	4	TPCLMTQE	TIME LIMIT CHECKING TQE
116	(74)	SIGNED	4		TIME LIMIT CHECKING TQE
120	(78)	SIGNED	4		TIME LIMIT CHECKING TQE
124	(7C)	SIGNED	2		TIME LIMIT CHECKING TQE
126	(7E)	BITSTRING	1		TIME LIMIT CHECKING TQE
127	(7F)	BITSTRING	1		TIME LIMIT CHECKING TQE
128	(80)	SIGNED	4	(2)	TIME LIMIT CHECKING TQE
136	(88)	SIGNED	4	TPCIDCNT	COUNT OF LAST STIMERM ID ASSIGNED
140	(8C)	ADDRESS	4	TPCSTPC	ADDRESS OF SECONDARY TIMER WORK AREA (STPC).
144	(90)	CHARACTER	4	TPCTATQE	TOD ACCURACY MONITOR TQE
148	(94)	SIGNED	4		TOD ACCURACY MONITOR TQE
152	(98)	SIGNED	4		TOD ACCURACY MONITOR TQE
156	(9C)	SIGNED	2		TOD ACCURACY MONITOR TQE
158	(9E)	BITSTRING	1		TOD ACCURACY MONITOR TQE
159	(9F)	BITSTRING	1		TOD ACCURACY MONITOR TQE
160	(A0)	SIGNED	4	(2)	TOD ACCURACY MONITOR TQE
168	(A8)	DBL WORD	8	(0)	Boundary for TPCTQEPL
168	(A8)	BITSTRING	8	TPCTQEPL	TQE pool header
176	(B0)	BITSTRING	82	TPCRS0B0	Reserved
258	(102)	SIGNED	2	TPCSYSNM	HW copy of CPLXSYSNUM
260	(104)	ADDRESS	4	TPCTAMR	"V(IEATTAMR)" ADDRESS OF IEATTAMR

Table 478. Structure TPC (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
264	(108)	SIGNED	4	TPCWORK(2)	WORK AREA
272	(110)	SIGNED	4	TPCMISC(18)	WORK AREA
344	(158)	ADDRESS	4	TPCVPTR	"V(IEAVRNEW)" ADDR OF VARY ONLINE ROUTINE
348	(15C)	ADDRESS	4	TPCFRRP	"V(IEAVRFRR)" ADDR OF TIMER FRR
352	(160)	SIGNED	4	TPCCRSAV	SAVE AREA FOR CR 0
356	(164)	SIGNED	4	TPCTCWA	ADDR OF TOD WORKAREA
360	(168)	SIGNED	4	TPCRSRB(11)	
404	(194)	ADDRESS	4	TPCCKQ	"V(IEAVRCKQ)" ADDRESS OF IEAVRCKQ
408	(198)	ADDRESS	4	TPCCLA	ADDRESS OF IEAVRCLA
412	(19C)	ADDRESS	4	TPCSDIE	"V(IEAVRDIE)" ADDRESS OF SETDIE
416	(1A0)	ADDRESS	4	TPCOCL	"V(IEAVROCL)" ADDRESS OF IEAVROCL
420	(1A4)	ADDRESS	4	TPCTTOC	"V(IEATTOC)" ADDRESS OF IEATTOC

Table 479. Cross Reference for TPC

Name	Offset	Hex Tag
DFD	14	
IEATPC	0	
IEATSELM	58	40E3D8C5
MNIGHT	38	0
TPC	0	
TPCABND	4	80
TPCCC	7	0
TPCCKQ	194	
TPCCLA	198	
TPCCRSAV	160	0
TPCDMTQE	10	40E3D8C5
TPCFLGS1	4	0
TPCFRRP	15C	
TPCHDCCQ	C	
TPCIDCNT	88	0
TPCIPLSC	4	8
TPCLMTQE	70	40E3D8C5
TPCMFTQE	40	40E3D8C5
TPCMISC	110	0
TPCMNTQE	28	40E3D8C5
TPCOCL	1A0	
TPCPRMPT	4	10
TPCRSRB	168	0
TPCRS0B0	B0	
TPCSDIE	19C	
TPCSIM	4	4
TPCSOFF	4	40
TPCSTPC	8C	
TPCSYSNM	102	0
TPCTAMR	104	
TPCTATQE	90	40E3D8C5

Table 479. Cross Reference for TPC (continued)

Name	Offset	Hex Tag
TPCTCWA	164	0
TPCTPCA	0	40E3D7C3
TPCTQEPL	A8	
TPCTTOC	1A4	
TPCTZORG	8	0
TPCUNKWN	4	20
TPCVPTR	158	
TPCWORK	108	0

Chapter 132. TQE Information

TQE Programming Interface Information

ONLY the following fields are part of the programming interface information:

- TQEAID
- TQEAMODE
- TQEASCB
- TQEDREGS
- TQEEXIT
- TQEEXMODE
- TQETCB
- TQEVAL

TQE Heading Information

Common Name:	TIMER QUEUE ELEMENT
Macro ID:	IHATQE
DSECT Name:	TQE
Owning Component:	Timer (SC1CV)
Eye-Catcher ID:	TQE Offset: 0 Length: 4
Storage Attributes:	Subpool: SQA (245, 248) Key: 0 Residency: Above or below 16M line
Size:	Offset of TQEEND minus the offset of TQE
Created by:	IEAVRTI0 IEAVRT00 IEAVXTSW Programs which set a Timer DIE
Pointed to by:	
Serialization:	Dependent on the specific field
Function:	Process a time interval set via STIMER, STIMERM, or timer DIE.

TQE mapping

Table 480. Structure TQE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TQE	,TQEPTR TIMER QUEUE ELEMENT
0	(0)	DBL WORD	8	(0)	
0	(0)	CHARACTER	4	TQETQE	TQE IDENTIFICATION
4	(4)	ADDRESS	4	TQEFLNK	ADDRESS OF NEXT TQE
8	(8)	ADDRESS	4	TQEBLNK	ADDRESS OF PREVIOUS TQE
12	(C)	SIGNED	2	TQEAID	REQUESTORS ASID
14	(E)	BITSTRING	1	TQEFLGS	TQE FLAG BYTE 1
		1...		TQEOFF	"X'80'" TQE IS OFF TIMER QUEUE

Table 480. Structure TQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		TQETOD	"X'40'" TOD OPTION SPECIFIED
		..1.		TQEGMT	"X'20'" GMT OPTION SPECIFIED
		...1		TQEWLIM	"X'10'" WAIT LIMIT EXCEEDED
		.... 1...		TQEINCOM	"X'08'" INTERVAL IS COMPLETE
		.... .1..		TQEXITSP	"X'04'" AN EXIT WAS SPECIFIED
		11		TQETYPE	"X'03'" TQE TYPE 00=TASK TYPE 01=WAIT TYPE 11=REAL TYPE
15	(F)	BITSTRING	1	TQEFLGS2	TQE FLAG BYTE 2
		1...		TQECOMP	"X'80'" REAL TQE IS BEING TIMED
		.1..		TQEUSER	"X'40'" NON SYSTEM TQE
		..1.		TQETAMR	"X'20'" TOD ACCURACY MONITOR TQE
		...1		TQEDUM	"X'10'" DUMMY SYSTEM TQE
		.... 1...		TQELM	"X'08'" TIME LIMIT CHECKING SYSTEM TQE
		.... .1..		TQEOPT	"X'04'" SYSTEM RESOURCES MANAGER TQE
		.... ..1.		TQEMF1	"X'02'" RMF SYSTEM TQE
		1		TQEMIDN	"X'01'" MIDNIGHT SYSTEM TQE
16	(10)	SIGNED	4	TQEVAL(2)	EXPIRATION TIME OR TIME LEFT
24	(18)	ADDRESS	4	TQESADDR	ADDRESS OF PP SAVE AREA
28	(1C)	ADDRESS	4	TQEEXIT	ADDRESS OF USER EXIT RTN
		1...		TQEXMODE	"X'80'" AMODE OF EXIT ROUTINE
28	(1C)	X'1C'	0	TQEECB	"TQEEXIT" ECB IF WAIT TYPE TQE
32	(20)	ADDRESS	4	TQETCB	ADDRESS OF USER TCB
36	(24)	ADDRESS	4	TQEASCB	ADDRESS OF USER ASCB
40	(28)	SIGNED	4	TQELHPSW	FIRST WORD OF CURRENT PSW
44	(2C)	CHARACTER	44	TQESRB	SRB
44	(2C)	SIGNED	4	TQEDREGS(11)	DIE ENTRY.
88	(58)	BITSTRING	1	TQEFLGS3	TQE FLAG BYTE 3
		1...		TQEDIE	"X'80'" DIE TQE
		.1..		TQEAMODE	"X'40'" EXIT AMODE IN TQEXMODE
		..1.		TQEPURGE	"X'20'" TQE SHOULD BE PURGED BY IEAVRSAE WHEN IT GETS CONTROL AS A RESULT OF AN ERROR DURING STIMER(M) WAIT. SERIALIZATION: LOCAL LOCK
89	(59)	BITSTRING	2	TQERS059	RESERVED
91	(5B)	BITSTRING	1	TQELEVEL	- TQE LEVEL INDICATOR
92	(5C)	SIGNED	4	TQEID	- STIMERM REQUEST ID
96	(60)	ADDRESS	4	TQELINK	- ADDRESS OF NEXT TQE ON ACTIVE TQE (TCBTME) QUEUE
100	(64)	SIGNED	4	TQEPARAM	- USER EXIT ROUTINE PARAMETER
104	(68)	BITSTRING	12	TQERS068	RESERVED
116	(74)	SIGNED	4	TQERSAVE	REG SAVE AREA -SETDIE
120	(78)	SIGNED	4	TQESTCK(2)	STCK AREA FOR SETDIE
120	(78)	X'78'	0	TQESTCKL	"TQESTCK" STCK AREA-LEFT HALF
120	(78)	X'7C'	0	TQESTCKR	"TQESTCK+4" STCK AREA-RIGHT HALF
128	(80)	CHARACTER	1	TQEEND(0)	END OF TQE
128	(80)	X'80'	0	TQELEN	"TQEEND-TQE" LENGTH OF TQE

Table 481. Cross Reference for TQE

Name	Offset	Hex Tag
TQE	0	
TQEAID	C	
TQEAMODE	58	40
TQEASCB	24	
TQEBLNK	8	
TQECOMP	F	80
TQEDIE	58	80
TQEDREGS	2C	
TQEDUM	F	10
TQEECB	1C	1C
TQEEND	80	
TQEEXIT	1C	
TQEFLGS	E	
TQEFLGS2	F	
TQEFLGS3	58	
TQEFLNK	4	
TQEGMT	E	20
TQEID	5C	
TQEINCOM	E	8
TQELEN	80	80
TQELEVEL	5B	
TQELHPSW	28	
TQELINK	60	
TQELM	F	8
TQEMF1	F	2
TQEMIDN	F	1
TQEOFF	E	80
TQEOPT	F	4
TQEPARAM	64	
TQEPURGE	58	20
TQERSAVE	74	
TQERS059	59	
TQERS068	68	
TQESADDR	18	
TQESRB	2C	
TQESTCK	78	
TQESTCKL	78	78
TQESTCKR	78	7C
TQETAMR	F	20
TQETCB	20	
TQETOD	E	40
TQETQE	0	
TQETYPE	E	3
TQEUSER	F	40
TQEVAL	10	
TQEWLIM	E	10
TQEXITSP	E	4
TQEXMODE	1C	80

Chapter 133. TRBP Information

TRBP Programming Interface Information

TRBP is a programming interface.

TRBP Heading Information

Common Name:	RESOURCES MANAGER TRANSACTION REPORTING BASIC PARAMETER LIST
Macro ID:	IHATRBPL
DSECT Name:	TRBP
Owning Component:	SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID:	NONE
Storage Attributes:	Subpool: VARIABLE Key: VARIABLE
Size:	40 BYTES
Created by:	ISSUERS OF TRANSACTION-REPORTING SYSEVENTS TRAXRPT AND TRAXFRPT
Pointed to by:	THE ADDRESS OF THE TRBP IS CONTAINED IN REGISTER 1 WHEN THE SYSEVENT IS ISSUED.
Serialization:	NONE
Function:	THE TRBP MAPS THE PARAMETER LIST PASSED BY CALLERS OF THE TRANSACTION REPORTING SYSEVENTS TRAXRPT AND TRAXFRPT. THIS IS A BASIC PARAMETER LIST CONTAINING THE TIME AND TRANSACTION DESCRIPTION.

TRBP mapping

Table 482. Structure TRBP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TRBP	
0	(0)	DBL WORD	8	TRBPSTIM	- TRANSACTION START TIME (STCK FORMAT)
0	(0)	X'0'	0	TRBPETIM	"TRBPSTIM" - FULL WORD ELAPSED TIME (1.024 MS)
0	(0)	X'4'	0	TRBPRSVD	"TRBPSTIM+4" - RESERVED
8	(8)	DBL WORD	8	TRBPICSP(0)	TRANSACTION DESCRIPTION
8	(8)	CHARACTER	8	TRBPSSNM	- SUBSYSTEM NAME
16	(10)	CHARACTER	8	TRBPTRXN	- TRANSACTION NAME
24	(18)	CHARACTER	8	TRBPUSID	- USERID
32	(20)	CHARACTER	8	TRBPTRXC	- TRANSACTION CLASS
36	(24)	SIGNED	4	TRBPREF	FIELD TO PERMIT REFERENCING END OF PARAMETER LIST
40	(28)	DBL WORD	8	TRBPEND(0)	- END OF TRBP TABLE
40	(28)	X'28'	0	TRBPLEN	"TRBPEND-TRBP" - LENGTH OF TRBP TABLE

TRBP mapping

Table 483. Cross Reference for TRBP

Name	Offset	Hex Tag
TRBP	0	
TRBPEND	28	
TRBPETIM	0	0
TRBPICSP	8	
TRBPLEN	28	28
TRBPREF	24	
TRBPRSVD	0	4
TRBPSSNM	8	
TRBPSTIM	0	
TRBPTRXC	20	
TRBPTRXN	10	
TRBPUSID	18	

Chapter 134. TRCT Information

TRCT Heading Information

Common Name: SYSTEM TRACE COPYTRC PARAMETER LIST (TRCT)
Macro ID: IHATRCT
DSECT Name: TRCT
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID: TRCT
Offset: 0
Length: 4
Storage Attributes: Subpool: any
Key: 0
Data Space: no
Residency: any
Size: 32 bytes
Created by: IEAVTSDM - SVC DUMP TRACE ROUTINE
IEAVETFC - System Trace Table Formatter Controller
HZRPCRTR - RTD create TRDA object method implementation
INITIALIZATION =
THE CREATOR OF THE CONTROL BLOCK MUST INITIALIZE
TRCTID WITH THE ACRONYM 'TRCT' AND TRCTBLVL WITH
THE CONSTANT TRCTLVLN.
Pointed to by: PARAMETER LIST PASSED TO COPYTRC SERVICE.
Serialization: N/A
Function: Contain parameters for adding TRACE address space to the caller's DU-AL or deleting TRACE address space from the caller's DU-AL.

TRCT mapping

Table 484. Structure TRCT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	32	TRCT	SYSTEM TRACE DATA COPYTRC PARAMETER LIST.
0	(0)	CHARACTER	4	TRCTID	TRCT EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRCTBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	UNSIGNED	1	TRCTTYPE	Request Type
6	(6)	CHARACTER	2	TRCTRSV1	RESERVED.
8	(8)	ADDRESS	4	TRCTTTCH	TTCH ADDRESS.
12	(C)	CHARACTER	4	TRCTRSV2	RESERVED.
16	(10)	ADDRESS	4	TRCTALET	For DUALADD request, this field contains the address in primary address space of the invoker for IEAVETSD to return the TRACE address space ALET. For DUALDEL request, this field contains the TRACE address space ALET.
20	(14)	CHARACTER	12	TRCTRSV3	RESERVED.
32	(20)	CHARACTER	0	TRCTEND	END OF TRCT.

TRCT mapping

Table 485. Constants for TRCT

Len	Type	Value	Name	Description
1	DECIMAL	3	TRCTLVLN	TRCT LEVEL NUMBER.
1	DECIMAL	1	TRCTDUALADD	Request=DUALADD
1	DECIMAL	2	TRCTDUALDEL	Request=DUALDEL

Table 486. Cross Reference for TRCT

Name	Offset	Hex Tag
TRCT	0	
TRCTALET	10	
TRCTBLVL	4	
TRCTEND	20	
TRCTID	0	
TRCTRSV1	6	
TRCTRSV2	C	
TRCTRSV3	14	
TRCTTTCH	8	
TRCTTYPE	5	

Chapter 135. TREP Information

TREP Programming Interface Information

TREP is a programming interface.

TREP Heading Information

Common Name:	RESOURCES MANAGER TRANSACTION REPORTING EXTENDED PARAMETER LIST
Macro ID:	IHATREPL
DSECT Name:	TREP
Owning Component:	SYSTEMS RESOURCE MANAGER (SC1CX)
Eye-Catcher ID:	NONE
Storage Attributes:	Subpool: VARAIABLE Key: VARIABLE
Size:	72 BYTES
Created by:	ISSUERS OF TRANSACTION-REPORTING SYSEVENT TRAXERPT
Pointed to by:	THE ADDRESS OF THE TREP IS CONTAINED IN REGISTER 1 WHEN THE SYSEVENT IS ISSUED.
Serialization:	NONE
Function:	THE TREP MAPS THE PARAMETER LIST PASSED BY CALLERS OF THE TRANSACTION REPORTING SYSEVENT TRAXERPT. THIS IS AN EXTENDED PARAMETER LIST CONTAINING THE TIME, TRANSACTION DESCRIPTION, AND SERVICE DATA.

TREP mapping

Table 487. Structure TREP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TREP	
0	(0)	SIGNED	4	TREPREF(0)	FIELD TO PERMIT REFERENCING FIRST WORD IN PARM LIST
0	(0)	DBL WORD	8	TREPSTIM	- TRANSACTION START TIME (STCK FORMAT)
8	(8)	DBL WORD	8	TREPICSV(0)	- DESCRIPTION/SERVICE
8	(8)	DBL WORD	8	TREPICSP(0)	- TRANSACTION DESCRIPTION
8	(8)	CHARACTER	8	TREPSSNM	- SUBSYSTEM NAME
16	(10)	CHARACTER	8	TREPTRXN	- TRANSACTION NAME
24	(18)	CHARACTER	8	TREPUSID	- USERID
32	(20)	CHARACTER	8	TREPTRXC	- TRANSACTION CLASS
40	(28)	DBL WORD	8	TREPSVCE(0)	- SERVICE PARAMETERS
40	(28)	DBL WORD	8	TREPCPUT	- CPU TIME (STCK FORMAT)
48	(30)	DBL WORD	8	TREPSRBT	- SRB TIME (STCK FORMAT)
56	(38)	DBL WORD	8	TREPMSOT	- MAIN STORAGE OCCUPANCY (PAGE-MSECS)
64	(40)	SIGNED	4	TREPIOCT	- LOGICAL I/O COUNT
68	(44)	CHARACTER	1	TREPFLGS	- FLAG BITS
		1...		TREPDCTI	"BIT0" - 1 IF TREPIOCT CONTAINS DCTI, 0 IF TREPIOCT CONTAINS LOGICAL I/O COUNT

Table 487. Structure TREP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
69	(45)	CHARACTER	3	TREPRSVD	- RESERVED
72	(48)	DBL WORD	8	TREPEND(0)	- END OF TREP TABLE
72	(48)	X'48'	0	TREPLEN	"TREPEND-TREP" - LENGTH OF TREP TABLE

Table 488. Cross Reference for TREP

Name	Offset	Hex Tag
TREP	0	
TREPCPUT	28	
TREPDCTI	44	80
TREPEND	48	
TREPFLGS	44	
TREPICSP	8	
TREPICSV	8	
TREPIOCT	40	
TREPLEN	48	48
TREPMSOT	38	
TREPREF	0	
TREPRSVD	45	
TREPSRBT	30	
TREPSSNM	8	
TREPSTIM	0	
TREPSVCE	28	
TREPTRXC	20	
TREPTRXN	10	
TREPUSID	18	

Chapter 136. TRFM Information

TRFM Heading Information

Common Name:	System Trace Table Format Request Parameter List
Macro ID:	IHATRFM
DSECT Name:	TRFM
Owning Component:	System Trace (SC142)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Any Key: 0 Residency: Above 16M
Size:	24 bytes
Created by:	IEAVAD0C - SUPERVISOR TRACE FORMATTING
Pointed to by:	Parameter list passed to system trace formatter controller (IEAVETFC).
Serialization:	None
Function:	Contain information about a request to format a system trace

TRFM mapping

Table 489. Structure TRFM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	TRFM	TRACE TABLE FORMAT REQUEST PARAMETER LIST.
0	(0)	CHARACTER	4	TRFMID	TRFM EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRFMBLVL	CONTROL BLOCK VERSION NUMBER.
5	(5)	CHARACTER	3	TRFMRSV1	RESERVED.
8	(8)	ADDRESS	4	TRFMTTCH	ADDRESS OF THE TTCH.
12	(C)	ADDRESS	4	TRFMASD	ADDRESS OF ASIDLIST. THE ASIDLIST CONSISTS OF PAIRS OF ASID RANGES. THE LIST MUST CONTAIN A 0TH ENTRY WITH TWO ZERO ASIDS. THE 0TH ENTRY IS NOT COUNTED IN TRFMASCT.
16	(10)	BITSTRING	1	TRFMOPT1	TRACE TABLE FORMAT OPTIONS BYTE 1.
		1...		TRFMALL	FORMAT TTES FOR ALL ASIDS.
		.1..		TRFMCUR	FORMAT TTES FOR THE CURRENT ADDRESS SPACE.
		..1.		TRFMFAS	FILTER TTCH TRACE ENTRIES USING ASIDLIST.
		...1		TRFMBR	FORMAT BRANCH TTES.
		 1111		*	RESERVED.
17	(11)	BITSTRING	1	TRFMRSV2	RESERVED.
18	(12)	UNSIGNED	2	TRFMASCT	COUNT OF ASID RANGES IN THE ASIDLIST (EXCLUDING 0TH ENTRY).
20	(14)	UNSIGNED	4	TRFMRSV3	RESERVED.
24	(18)	CHARACTER	0	TRFMEND	END OF TRFM.

TRFM mapping

Table 490. Constants for TRFM

Len	Type	Value	Name	Description
1	DECIMAL	1	TRFMLVLN	TRFM LEVEL NUMBER.

Table 491. Cross Reference for TRFM

Name	Offset	Hex Tag
TRFM	0	
TRFMALL	10	80
TRFMASCT	12	
TRFMASD	C	
TRFMBLVL	4	
TRFMBR	10	10
TRFMCUR	10	40
TRFMEND	18	
TRFMFAS	10	20
TRFMID	0	
TRFMOPT1	10	
TRFMRSV1	5	
TRFMRSV2	11	
TRFMRSV3	14	
TRFMTTCH	8	

Chapter 137. TROB Information

TROB Programming Interface Information

ONLY the following fields are part of the programming interface information:

- TROBASID
- TROBID
- TROBPASN
- TROBPRID
- TROBRET
- TROBSASN
- TROBTCBA
- TROBTIME
- TROBUNIQ1
- TROBUNIQ2
- TROBUNIQ2

TROB Heading Information

Common Name:	System trace table formatter output buffer
Macro ID:	IHATROB
DSECT Name:	TROB
Owning Component:	System trace (SC142)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Subpool 229, key 0 when IEAVETFC is called by SNAP. Subpool 0, key of caller when IEAVETFC is called by IPCS. Key: See subpool Data Space: No
Size:	120
Created by:	IEAVETEF - System trace table entry filter/formatter routine
Pointed to by:	TFWACURB (current output buffer)
Serialization:	N/A
Function:	Map the system tract table formatter output buffer

TROB mapping

Table 492. Structure TROB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TROB	TRACE OUTPUT BUFFER.
0	(0)	CHARACTER	4	TROBPRID	PROCESSOR IDENTIFIER.
4	(4)	CHARACTER	1	TROBDNAP	NONBLANK WHEN DATA NOT AVAILABLE FOR ALL PROCESSORS.
5	(5)	CHARACTER	117	TROBREST(0)	Rest of SNAP-only data
5	(5)	CHARACTER	4	TROBASID	ASID.
9	(9)	CHARACTER	1	TROBS02	BLANK.
10	(A)	CHARACTER	8	TROBTCBA	TCB ADDRESS.
18	(12)	CHARACTER	1	TROBS03	1 BLANK.

Table 492. Structure TROB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
19	(13)	CHARACTER	5	TROBIDEN(0)	TTE IDENTIFIER.
19	(13)	CHARACTER	1	TROBEYEC	IMPORTANT TTE EYE-CATCHER.
20	(14)	CHARACTER	4	TROBID	MNEMONIC/ACRONYM FOR TTE.
24	(18)	CHARACTER	1	TROBS04	BLANK.
25	(19)	CHARACTER	5	TROBCDEX(0)	DEVICE ADDRESS - sdddd
25	(19)	CHARACTER	1	TROBSSID	Subchannel set number
26	(1A)	CHARACTER	4	TROBCDE	INTERRUPT CODE/DEVICE ADDRESS.
26	(1A)	CHARACTER	2		
28	(1C)	CHARACTER	2	TROBAISM	Adapter interruption source mask
30	(1E)	CHARACTER	1	TROBS05	BLANK.
31	(1F)	CHARACTER	8	TROBWD1(0)	FULLWORD SLOT NUMBER 1.
31	(1F)	CHARACTER	8	TROBPSW1(0)	1ST HALF OF PSW ('PSW-----').
31	(1F)	CHARACTER	4	TROBW1H1(0)	WORD 1,HALFWORD 1.
31	(1F)	CHARACTER	2	TROBW1B1(0)	WORD 1, BYTE 1.
31	(1F)	CHARACTER	2	TROBCC	CONDITION CODE.
33	(21)	CHARACTER	2	TROBW1B2	WORD 1, BYTE 2.
35	(23)	CHARACTER	4	TROBW1H2(0)	WORD 1,HALFWORD 2.
35	(23)	CHARACTER	2	TROBW1B3(0)	WORD 1, BYTE 3.
35	(23)	CHARACTER	2	TROBDI	DRIVER ID.
37	(25)	CHARACTER	2	TROBW1B4	WORD 1, BYTE 4.
39	(27)	CHARACTER	1	TROBS06	BLANK.
40	(28)	CHARACTER	8	TROBWD2(0)	FULLWORD SLOT NUMBER 2.
40	(28)	CHARACTER	8	TROBPSW2(0)	2ND HALF OF PSW ('ADDRESS-').
40	(28)	CHARACTER	8	TROBRET(0)	RETURN ADDRESS.
40	(28)	CHARACTER	4	TROBW2H1(0)	WORD 2,HALFWORD 1.
40	(28)	CHARACTER	2	TROBW2B1	WORD 2, BYTE 1.
42	(2A)	CHARACTER	2	TROBW2B2	WORD 2, BYTE 2.
44	(2C)	CHARACTER	4	TROBW2H2(0)	WORD 2,HALFWORD 1.
44	(2C)	CHARACTER	2	TROBW2B3	WORD 2, BYTE 3.
46	(2E)	CHARACTER	2	TROBW2B4	WORD 2, BYTE 4.
48	(30)	CHARACTER	2	TROBS07	2 BLANKS.
50	(32)	CHARACTER	8	TROBWD3(0)	FULLWORD SLOT NUMBER 3.
50	(32)	CHARACTER	8	TROBUNQ1(0)	'UNIQUE-1' SLOT.
50	(32)	CHARACTER	4	TROBW3H1(0)	WORD 3,HALFWORD 1.
50	(32)	CHARACTER	2	TROBW3B1	WORD 3, BYTE 1.
52	(34)	CHARACTER	2	TROBW3B2	WORD 3, BYTE 2.
54	(36)	CHARACTER	4	TROBW3H2(0)	WORD 3,HALFWORD 1.
54	(36)	CHARACTER	2	TROBW3B3	WORD 3, BYTE 3.
56	(38)	CHARACTER	2	TROBW3B4	WORD 3, BYTE 4.
56	(38)	X'8'	0	TROBUNQS_LEN	"*-TROBUNQ1"
58	(3A)	CHARACTER	1	TROBS08	BLANK.
59	(3B)	CHARACTER	8	TROBWD4(0)	FULLWORD SLOT NUMBER 4.
59	(3B)	CHARACTER	8	TROBUNQ2(0)	'UNIQUE-2' SLOT.
59	(3B)	CHARACTER	4	TROBW4H1(0)	WORD 4,HALFWORD 1.
59	(3B)	CHARACTER	2	TROBW4B1	WORD 4, BYTE 1.
61	(3D)	CHARACTER	2	TROBW4B2	WORD 4, BYTE 2.
63	(3F)	CHARACTER	4	TROBW4H2(0)	WORD 4,HALFWORD 1.
63	(3F)	CHARACTER	2	TROBW4B3	WORD 4, BYTE 3.
65	(41)	CHARACTER	2	TROBW4B4	WORD 4, BYTE 4.
67	(43)	CHARACTER	1	TROBS09	BLANK.
68	(44)	CHARACTER	8	TROBWD5(0)	FULLWORD SLOT NUMBER 5.
68	(44)	CHARACTER	8	TROBUNQ3(0)	'UNIQUE-3' SLOT.

Table 492. Structure TROB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
68	(44)	CHARACTER	4	TROBW5H1(0)	WORD 5,HALFWORD 1.
68	(44)	CHARACTER	2	TROBW5B1	WORD 5, BYTE 1.
70	(46)	CHARACTER	2	TROBW5B2	WORD 5, BYTE 2.
72	(48)	CHARACTER	4	TROBW5H2(0)	WORD 5,HALFWORD 1.
72	(48)	CHARACTER	2	TROBW5B3	WORD 5, BYTE 3.
74	(4A)	CHARACTER	2	TROBW5B4	WORD 5, BYTE 4.
76	(4C)	CHARACTER	2	TROBS10	2 BLANKS.
78	(4E)	CHARACTER	8	TROBWD6(0)	FULLWORD SLOT NUMBER 6.
78	(4E)	CHARACTER	8	TROBCLHS(0)	PSACLHS.
78	(4E)	CHARACTER	4	TROBW6H1(0)	WORD 6,HALFWORD 1.
78	(4E)	CHARACTER	2	TROBW6B1	WORD 6, BYTE 1.
80	(50)	CHARACTER	2	TROBW6B2	WORD 6, BYTE 2.
82	(52)	CHARACTER	4	TROBW6H2(0)	WORD 6,HALFWORD 1.
82	(52)	CHARACTER	2	TROBW6B3	WORD 6, BYTE 3.
84	(54)	CHARACTER	2	TROBW6B4	WORD 6, BYTE 4.
86	(56)	CHARACTER	1	TROBS11	BLANK.
87	(57)	CHARACTER	8	TROBWD7(0)	FULLWORD SLOT NUMBER 7.
87	(57)	CHARACTER	8	TROBLOCL(0)	PSALOCAL.
87	(57)	CHARACTER	4	TROBW7H1(0)	WORD 7,HALFWORD 1.
87	(57)	CHARACTER	2	TROBW7B1	WORD 7, BYTE 1.
89	(59)	CHARACTER	2	TROBW7B2	WORD 7, BYTE 2.
91	(5B)	CHARACTER	4	TROBW7H2(0)	WORD 7,HALFWORD 1.
91	(5B)	CHARACTER	2	TROBW7B3	WORD 7, BYTE 3.
93	(5D)	CHARACTER	2	TROBW7B4	WORD 7, BYTE 4.
95	(5F)	CHARACTER	1	TROBS12	BLANK.
96	(60)	CHARACTER	26	TROBS89A(0)	FULLWORD SLOTS 8 9 AND 10.
96	(60)	CHARACTER	4	TROBPASN	PRIMARY ASID (PASID).
100	(64)	CHARACTER	1	TROBS13	BLANK.
101	(65)	CHARACTER	4	TROBSASN	SECONDARY ASID (SASID).
105	(69)	CHARACTER	1	TROBS14	BLANK.
106	(6A)	CHARACTER	18	TROBCTIM(0)	Converted timestamp
106	(6A)	CHARACTER	16	TROBTIME(0)	TIMESTAMP-RECORD.
106	(6A)	CHARACTER	8	TROBTIM1	TIMESTAMP-RECORD (1ST HALF).
114	(72)	CHARACTER	8	TROBTIM2	TIMESTAMP-RECORD (2ND HALF).
122	(7A)	CHARACTER	2		Last 2 bytes of TROBCTIM
124	(7C)	CHARACTER	1	TROBS17	BLANK.
125	(7D)	CHARACTER	2	TROBCPID	PROCESSOR IDENTIFIER.
96	(60)	CHARACTER	8	TROBWD8	FULLWORD SLOT NUMBER 8.
104	(68)	CHARACTER	1	TROBS15	BLANK.
105	(69)	CHARACTER	8	TROBWD9	FULLWORD SLOT NUMBER 9.
113	(71)	CHARACTER	1	TROBS16	BLANK.
114	(72)	CHARACTER	8	TROBWDA	FULLWORD SLOT NUMBER 10.
114	(72)	X'5C'	0	TROBEYEV	"C'*'" EYE-CATCHER VALUE FOR TTES WITH DEBUGGING IMPORTANCE.
50	(32)	CHARACTER	8	TROBUNQS	

Table 493. Cross Reference for TROB

Name	Offset	Hex Tag
TROB	0	
TROBAISM	1C	
TROBASID	5	

Table 493. Cross Reference for TROB (continued)

Name	Offset	Hex Tag
TROBCC	1F	
TROBCDE	1A	
TROBCDEX	19	
TROBCLHS	4E	
TROBCPID	7D	
TROBCTIM	6A	
TROBDI	23	
TROBDNAP	4	
TROBEYEC	13	
TROBEYEV	72	5C
TROBID	14	
TROBIDEN	13	
TROBLOCL	57	
TROBPASN	60	
TROBPRID	0	
TROBPSW1	1F	
TROBPSW2	28	
TROBREST	5	
TROBRET	28	
TROBSASN	65	
TROBSSID	19	
TROBS02	9	
TROBS03	12	
TROBS04	18	
TROBS05	1E	
TROBS06	27	
TROBS07	30	
TROBS08	3A	
TROBS09	43	
TROBS10	4C	
TROBS11	56	
TROBS12	5F	
TROBS13	64	
TROBS14	69	
TROBS15	68	
TROBS16	71	
TROBS17	7C	
TROBS89A	60	
TROBTCBA	A	
TROBTIME	6A	
TROBTIM1	6A	
TROBTIM2	72	
TROBUNQS	32	
TROBUNQS_LEN	38	8
TROBUNQ1	32	
TROBUNQ2	3B	
TROBUNQ3	44	
TROBWDA	72	
TROBWD1	1F	

Table 493. Cross Reference for TROB (continued)

Name	Offset	Hex Tag
TROBWD2	28	
TROBWD3	32	
TROBWD4	3B	
TROBWD5	44	
TROBWD6	4E	
TROBWD7	57	
TROBWD8	60	
TROBWD9	69	
TROBW1B1	1F	
TROBW1B2	21	
TROBW1B3	23	
TROBW1B4	25	
TROBW1H1	1F	
TROBW1H2	23	
TROBW2B1	28	
TROBW2B2	2A	
TROBW2B3	2C	
TROBW2B4	2E	
TROBW2H1	28	
TROBW2H2	2C	
TROBW3B1	32	
TROBW3B2	34	
TROBW3B3	36	
TROBW3B4	38	
TROBW3H1	32	
TROBW3H2	36	
TROBW4B1	3B	
TROBW4B2	3D	
TROBW4B3	3F	
TROBW4B4	41	
TROBW4H1	3B	
TROBW4H2	3F	
TROBW5B1	44	
TROBW5B2	46	
TROBW5B3	48	
TROBW5B4	4A	
TROBW5H1	44	
TROBW5H2	48	
TROBW6B1	4E	
TROBW6B2	50	
TROBW6B3	52	
TROBW6B4	54	
TROBW6H1	4E	
TROBW6H2	52	
TROBW7B1	57	
TROBW7B2	59	
TROBW7B3	5B	
TROBW7B4	5D	
TROBW7H1	57	

Table 493. Cross Reference for TROB (continued)

Name	Offset	Hex Tag
TROBW7H2	5B	

Chapter 138. TRSN Information

TRSN Heading Information

Common Name:	SYSTEM TRACE SNAPTRC PARAMETER LIST (TRSN)
Macro ID:	IHATRSN
DSECT Name:	TRSN
Owning Component:	System Trace (SC142)
Eye-Catcher ID:	TRSN Offset: 0 Length: 4
Storage Attributes:	Subpool: Any Key: 0 Data Space: no Residency: Any
Size:	40 bytes
Created by:	INVOKER OF SNAPTRC OR ASIDTRC SERVICES. HZRPCRTR - Create TRDA object method implementation IEAVAD00 - SVC 51 (SNAP OR SVCDUMP) IEAVAD01 - SNAP MAINLINE IEAVTABD - ABDUMP IEAVTRT2 - RTM2 INITIALIZATION (SVC 13 ENTRY POINT) IEAVTSDM - SVC DUMP TRACE ROUTINE IEAVTSDR - SVC DUMP RESOURCE MANAGER IEAVTSDX - SVC DUMP BRANCH ENTRY IEAVETRM - SYSTEM TRACE TASK/ADDRESS SPACE TERMINATION RESOURCE MANAGER INITIALIZATION = THE CREATOR OF THE CONTROL BLOCK MUST INITIALIZE TRSNID WITH THE ACRONYM 'TRSN' AND TRSNBLVL WITH THE CONSTANT TRSNLVLN.
Pointed to by:	PARAMETER LIST PASSED TO SNAPTRC AND ASIDTRC SERVICES.
Serialization:	N/A
Function:	CONTAIN PARAMETERS FOR SNAPTRC AND ASIDTRC SERVICES.

TRSN mapping

Table 494. Structure TRSN

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	40	TRSN	TRACE SNAPTRC parameter list.
0	(0)	CHARACTER	4	TRSNID	TRSN EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRSNBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	UNSIGNED	1	TRSNCALLER	Caller when requesting a snapshot
		1...		TRSNMINI	Indication returned to the requestor of a snapshot If it's '1' - it is a mini snapshot
6	(6)	CHARACTER	2	TRSNLLID	ASID OF LOCAL LOCK HELD BY WORK SCHEDULING SRB TO ISSUE SNAPTRC.
8	(8)	CHARACTER	2	TRSNTYPE	REQUEST TYPE.

Table 494. Structure TRSN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
10	(A)	CHARACTER	2	TRSNASID	OWNING ASID FOR SNAPTRC TRSNSNAP REQUEST, FILTER ASID FOR ASIDTRC TRSNATRC REQUEST, ASID OF TRACE ADDRESS SPACE RETURNED FOR THESE REQUESTS.
12	(C)	ADDRESS	4	TRSNTTCH	TTCH ADDRESS.
16	(10)	UNSIGNED	4	TRSNLEN	LENGTH OF TTCH.
20	(14)	ADDRESS	4	TRSNTCB	ADDRESS OF TERMINATING TCB FOR SNAPTRC TRSNTKFR REQUEST.
24	(18)	ADDRESS	8	TRSNTTCHBUF	TTCH BUFFER ADDRESS.
32	(20)	UNSIGNED	8	TRSNBUFOBJS	NUMBER OF TTCH MEMORY OBJECTS
40	(28)	CHARACTER	0	TRSNEND	END OF TRSN.

Table 495. Constants for TRSN

Len	Type	Value	Name	Description
1	DECIMAL	1	TRSNLVLN	TRSN LEVEL NUMBER.
1	DECIMAL	1	TRSNSNAP	SNAPTRC REQUEST TYPE TO SNAPSHOT THE TRACE TABLE.
1	DECIMAL	2	TRSNATRC	ASIDTRC REQUEST TYPE TO FILTER A TRACE TABLE SNAPSHOT (TTCH).
1	DECIMAL	3	TRSNFREE	SNAPTRC REQUEST TYPE TO FREE A TTCH.
1	DECIMAL	4	TRSNTKFR	SNAPTRC REQUEST TYPE TO FREE ALL TTCHS OWNED BY THE SPECIFIED TASK AND ASID.
1	DECIMAL	5	TRSNASFR	SNAPTRC REQUEST TYPE TO FREE ALL TTCHS OWNED BY THE SPECIFIED ASID.
1	DECIMAL	6	TRSNRASN	SNAPTRC request type to reassign the specified TTCH to the specified ASID/TCB.
1	DECIMAL	1	TRSNRTM	The SNAPTRC requestor is RTM
1	DECIMAL	2	TRSNSNAPD	The SNAPTRC requestor is SNAP
1	DECIMAL	3	TRSNRTD	The SNAPTRC requestor is RTD
1	DECIMAL	4	TRSNSDUMP	The SNAPTRC requestor is SDUMP
1	DECIMAL	5	TRSNSYSMDUMP	The SNAPTRC requestor is SYSMDUMP/IEATDUMP
1	DECIMAL	6	TRSNHIS	The SNAPTRC requestor is HIS
1	DECIMAL	0	TRSNOTHERS	The default will always be full snapshot

Table 496. Cross Reference for TRSN

Name	Offset	Hex Tag
TRSN	0	
TRSNASID	A	
TRSNBLVL	4	
TRSNBUFOBJS	20	
TRSNCALLER	5	
TRSNEND	28	
TRSNID	0	
TRSNLEN	10	

Table 496. Cross Reference for TRSN (continued)

Name	Offset	Hex Tag
TRSNLLID	6	
TRSNMINI	5	80
TRSNTCB	14	
TRSNTTCH	C	
TRSNTTCHBUF	18	
TRSNTYPE	8	

Chapter 139. TRST Information

TRST Heading Information

Common Name: System Trace status parameter list (TRST)
Macro ID: IEEZB901
DSECT Name: TRST
Owning Component: SYSTEM TRACE (SC142)
Eye-Catcher ID:
```
TRST
Offset:  0
Length:  4
```
Storage Attributes:
```
Main Storage:  Yes
Virtual Storage:  Yes
Auxiliary Storage:  Yes
Subpool:   ANY
Key:       0
Data Space: No
Residency: ANY
```
Size: 24 bytes
Created by:
```
IEECB806 - TRACE COMMAND PROCESSOR
INITIALIZATION = THE CREATOR OF THE CONTROL BLOCK MUST
INITIALIZE TRSTID WITH THE ACRONYM 'TRST' AND TRSTBLVL WITH
THE CONSTANT TRSTLVLN.
```
Pointed to by: PARAMETER LIST PASSED TO TRACE STATUS SERVICE.
Serialization: N/A
Function:
```
Contain system trace status information which
describes the current state of system trace.
```

TRST mapping

Table 497. Structure TRST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	24	TRST	SYSTEM TRACE STATUS PARAMETER LIST.
0	(0)	CHARACTER	4	TRSTID	TRST EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TRSTBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	CHARACTER	3	TRSTRSV1	RESERVED.
8	(8)	BITSTRING	4	TRSTSTFG	SYSTEM TRACE STATUS FLAGS.
8	(8)	BITSTRING	1	*	
		1...		TRSTACT	SYSTEM TRACE ACTIVE.
9	(9)	BITSTRING	2	*	
11	(B)	BITSTRING	1	TRSTSTF4	STATUS FLAGS BYTE 4.
		1111		*	
		.... 1...		TRSTMO	MODE TRACING ACTIVE.
		.... .1..		TRSTBR	BRANCH TRACING ACTIVE.
		.... ..1.		TRSTAS	ASID TRACING ACTIVE.
		1		TRSTEX	EXPLICIT TRACING ACTIVE.
12	(C)	UNSIGNED	4	TRSTSZPT	SPACE ALLOCATED FROM SYSTEM TRACE BUFFERS ON EACH PROCESSOR IN UNITS OF M BYTES.

Table 497. Structure TRST (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
16	(10)	UNSIGNED	4	TRSTSZTT	SPACE ALLOCATED FOR SYSTEM TRACE TABLE IN UNITS OF M BYTES.
20	(14)	CHARACTER	4	TRSTRSV2	RESERVED.
24	(18)	CHARACTER	0	TRSTEND	END OF TRST.

Table 498. Constants for TRST

Len	Type	Value	Name	Description
1	DECIMAL	1	TRSTLVLN	TRST LEVEL NUMBER.

Table 499. Cross Reference for TRST

Name	Offset	Hex Tag
TRST	0	
TRSTACT	8	80
TRSTAS	B	02
TRSTBLVL	4	
TRSTBR	B	04
TRSTEND	18	
TRSTEX	B	01
TRSTID	0	
TRSTMO	B	08
TRSTRSV1	5	
TRSTRSV2	14	
TRSTSTFG	8	
TRSTSTF4	B	
TRSTSZPT	C	
TRSTSZTT	10	

Chapter 140. TRVT Information

TRVT Programming Interface Information

TRVT is a programming interface.

INCLUDE ONLY

TRVT Heading Information

Common Name:	System trace vector table (TRVT)
Macro ID:	IHATRVT
DSECT Name:	TRVT
Owning Component:	System trace (SC142)
Eye-Catcher ID:	TRVT Offset: 0 Length: 4
Storage Attributes:	Subpool: Nucleus Key: 0 Residency: LOC(BELOW)
Size:	
Created by:	Exists as nucleus resident module IEAVETVT
Pointed to by:	PSATRVT
Serialization:	N/A
Function:	Contain addresses of system trace service routines and control blocks.

TRVT mapping

Table 500. Structure TRVT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TRVT	TRACE VECTOR TABLE.
0	(0)	CHARACTER	4	TRVTID	TRVT EBCDIC IDENTIFIER.
4	(4)	CHARACTER	8	TRVTDATE	MODULE DATE.
12	(C)	CHARACTER	8	TRVTMLVL	MODULE LEVEL.
20	(14)	BITSTRING	1	TRVTBLVL	CONTROL BLOCK LEVEL NUMBER.
21	(15)	CHARACTER	3	TRVTRSV1	RESERVED.
24	(18)	ADDRESS	4	TRVTTOB	ADDRESS OF TRACE OPTION BLOCK.
28	(1C)	ADDRESS	4	TRVTETAT	ADDRESS OF ALTRTRC SERVICE INTERFACE.
32	(20)	ADDRESS	4	TRVTETST	ADDRESS OF SNAPTRC SERVICE INTERFACE.
36	(24)	ADDRESS	4	TRVTETAF	ADDRESS OF ASIDTRC SERVICE INTERFACE.
40	(28)	ADDRESS	4	TRVTETSC	ADDRESS OF TRACE STORAGE CHECK RECOVERY ROUTINE.
44	(2C)	ADDRESS	4	TRVTETRR	ADDRESS OF TRACE RECEIVING ROUTINE FOR RISGNL(SERIAL)
48	(30)	ADDRESS	4	TRVTETCT	ADDRESS OF COPYTRC SERVICE INTERFACE.

Table 500. Structure TRVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
52	(34)	ADDRESS	4	TRVTETTV	ADDRESS OF VERFYTRC SERVICE INTERFACE.
56	(38)	ADDRESS	4	TRVTETFR	ADDRESS OF TRACE SERVICES GENERAL FRR.
60	(3C)	ADDRESS	4	TRVTETTD	ADDRESS OF TRACE TIMER DIE ROUTINE.
64	(40)	ADDRESS	4	TRVTRSV2	RESERVED.
68	(44)	ADDRESS	4	TRVTRSV3	RESERVED.
72	(48)	BITSTRING	4	TRVTRPMK	REGISTER PAIR INDICATOR MASK.
76	(4C)	ADDRESS	4	TRVTRSV4	RESERVED. TRVTTCW1 WAS HERE PRIOR TO R10.
80	(50)	BITSTRING	4	TRVTTPSR	TIME INTERVAL THAT SYSTEM TRACE PROCESSOR STRUCTURE IS RETAINED AFTER ACR OR VARY PROCESSOR OFFLINE. X'00000001' IS 1.048576 SECONDS.
84	(54)	ADDRESS	4	TRVTETSS	ADDRESS OF START SUBCHANNEL TTE CREATION ROUTINE.
88	(58)	ADDRESS	4	TRVTETMS	ADDRESS OF MODIFY SUBCHANNEL TTE CREATION ROUTINE.
92	(5C)	ADDRESS	4	TRVTETHS	ADDRESS OF HALT SUBCHANNEL TTE CREATION ROUTINE.
96	(60)	ADDRESS	4	TRVTETCS	ADDRESS OF CLEAR SUBCHANNEL TTE CREATION ROUTINE.
100	(64)	ADDRESS	4	TRVTETRS	ADDRESS OF RESUME SUBCHANNEL TTE CREATION ROUTINE.
104	(68)	ADDRESS	4	TRVTETEX	ADDRESS OF EXTERNAL INTERRUPT TTE CREATION ROUTINE.
108	(6C)	ADDRESS	4	TRVTETSV	ADDRESS OF SVC INTERRUPT TTE CREATION ROUTINE.
112	(70)	ADDRESS	4	TRVTETSR	ADDRESS OF SVC RETURN TTE CREATION ROUTINE.
116	(74)	ADDRESS	4	TRVTETSE	ADDRESS OF SVC ERROR TTE CREATION ROUTINE.
120	(78)	ADDRESS	4	TRVTETPI	ADDRESS OF PROGRAM INTERRUPT TTE CREATION ROUTINE.
124	(7C)	ADDRESS	4	TRVTETIO	ADDRESS OF I/O INTERRUPT TTE CREATION ROUTINE.
128	(80)	ADDRESS	4	TRVTETDP	ADDRESS OF TASK DISPATCH TTE CREATION ROUTINE.
132	(84)	ADDRESS	4	TRVTETIS	ADDRESS OF INITIAL SRB DISPATCH TTE CREATION ROUTINE.
136	(88)	ADDRESS	4	TRVTETSB	ADDRESS OF SUSPENDED SRB DISPATCH TTE CREATION ROUTINE.
140	(8C)	ADDRESS	4	TRVTETWT	ADDRESS OF WAIT TASK DISPATCH TTE CREATION ROUTINE.
144	(90)	ADDRESS	4	TRVTETMH	ADDRESS OF MACHINE CHECK TTE CREATION ROUTINE.
148	(94)	ADDRESS	4	TRVTETRE	ADDRESS OF RESTART TTE CREATION ROUTINE.
152	(98)	ADDRESS	4	TRVTETAR	ADDRESS OF ACR TTE CREATION ROUTINE.
156	(9C)	ADDRESS	4	TRVTETSU	ADDRESS OF SUSPENSION TTE CREATION ROUTINE.

Table 500. Structure TRVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
160	(A0)	ADDRESS	4	TRVTETTA	ADDRESS OF TRACE ALTERATION TTE CREATION ROUTINE.
164	(A4)	ADDRESS	4	TRVTETUR	ADDRESS OF USER EVENT TTE CREATION ROUTINE.
168	(A8)	ADDRESS	4	TRVTETSL	ADDRESS OF SLIP/PER EVENT TTE CREATION ROUTINE.
172	(AC)	ADDRESS	4	TRVTETSY	ADDRESS OF PC OR BRANCH ENTERED SYSTEM SERVICE TTE CREATION ROUTINE.
176	(B0)	ADDRESS	4	TRVTETRV	ADDRESS OF RCVY TTE CREATION ROUTINE.
180	(B4)	ADDRESS	4	TRVTETTM	ADDRESS OF TIME TTE CREATION ROUTINE
184	(B8)	ADDRESS	4	TRVTETSA	ADDR OF SIGA CREATION RTN
188	(BC)	ADDRESS	4	TRVTRSV5	TRVTTCW0 WAS HERE PRIOR TO R10
192	(C0)	DBL WORD	8	TRVTTCTX	MASK TO PRESERVE ONLY THE TRACE CONTROL BITS FROM A CR12 VALUE. THIS IS TRVTTCW1 XC'D WITH "-1"
200	(C8)	ADDRESS	4	TRVTETXS	ADDRESS OF CANCEL SUBCHANNEL TTE CREATION ROUTINE.
204	(CC)	ADDRESS	4	TRVTETUG	ADDRESS OF USER EVENT TTE CREATION ROUTINE.ZARCH
208	(D0)	ADDRESS	4	TRVTRSVA	RESERVED FOR FUTURE USE
212	(D4)	ADDRESS	4	TRVTSPIT	ADDRESS OF SERVICE PROCESSOR INTERFACE MODULE THAT GATHERS DATA FOR THE SS TYPE ENTRY
216	(D8)	DBL WORD	8	TRVTTCW1	MASK TO CLEAR THE TRACING CONTROL BITS FROM BITS 0-63 OF A CR12 VALUE. A DUPLICATE OF THIS CONSTANT IS DEFINED IN THE DAT-OFF PROGRAM CHECK FLIH (IEAVEPCO) WHICH MUST CHANGE IF THIS CONSTANT CHANGES.
224	(E0)	DBL WORD	8	TRVTTCTO	MASK TO PRESERVE ONLY THE TRACE CONTROL BITS IN THE OPTION WORD.
232	(E8)	ADDRESS	4	TRVTETSP	ADDRESS OF SPIN TTE CREATION ROUTINE.
236	(EC)	ADDRESS	4	TRVTETRB	ADDRESS OF TRACE RECEIVING ROUTINE FOR RISGNL(BROADCAST)
240	(F0)	ADDRESS	4	TRVTETPL	ADDRESS OF TRACE ROUTINE FOR PCIE LOAD (IEAVPCIL)
244	(F4)	ADDRESS	4	TRVTETPS	ADDRESS OF TRACE ROUTINE FOR PCIE STORE (IEAVPCIS)
248	(F8)	ADDRESS	4	TRVTETAI	ADDRESS OF TRACE ROUTINE FOR Adapter interrupts (IEAVAINT)
252	(FC)	ADDRESS	4	TRVTETPD	ADDRESS OF TRACE ROUTINE FOR PCIE Adapter demultiplexing (IEAVPDMX)
256	(100)	DBL WORD	8	TRVTEND(0)	END OF TRVT.
		1		TRVTLVLN	"X'01'" TRVT LEVEL NUMBER.

TRVT mapping

Table 501. Cross Reference for TRVT

Name	Offset	Hex Tag
TRVT	0	
TRVTBLVL	14	
TRVTDATE	4	
TRVTEND	100	
TRVTETAF	24	
TRVTETAI	F8	
TRVTETAR	98	
TRVTETAT	1C	
TRVTETCS	60	
TRVTETCT	30	
TRVTETDP	80	
TRVTETEX	68	
TRVTETFR	38	
TRVTETHS	5C	
TRVTETIO	7C	
TRVTETIS	84	
TRVTETMH	90	
TRVTETMS	58	
TRVTETPD	FC	
TRVTETPI	78	
TRVTETPL	F0	
TRVTETPS	F4	
TRVTETRB	EC	
TRVTETRE	94	
TRVTETRR	2C	
TRVTETRS	64	
TRVTETRV	B0	
TRVTETSA	B8	
TRVTETSB	88	
TRVTETSC	28	
TRVTETSE	74	
TRVTETSL	A8	
TRVTETSP	E8	
TRVTETSR	70	
TRVTETSS	54	
TRVTETST	20	
TRVTETSU	9C	
TRVTETSV	6C	
TRVTETSY	AC	
TRVTETTA	A0	
TRVTETTD	3C	
TRVTETTM	B4	
TRVTETTV	34	
TRVTETUG	CC	
TRVTETUR	A4	
TRVTETWT	8C	
TRVTETXS	C8	
TRVTID	0	
TRVTLVLN	100	1

Table 501. Cross Reference for TRVT (continued)

Name	Offset	Hex Tag
TRVTMLVL	C	
TRVTRPMK	48	80000000
TRVTRSVA	D0	
TRVTRSV1	15	
TRVTRSV2	40	
TRVTRSV3	44	
TRVTRSV4	4C	
TRVTRSV5	BC	
TRVTSPIT	D4	
TRVTTCTO	E0	
TRVTTCTX	C0	
TRVTTCW1	D8	
TRVTTOB	18	
TRVTTPSR	50	

Chapter 141. TTCH Information

TTCH Heading Information

Common Name:	System Trace Table Snapshot Copy Header (TTCH)
Macro ID:	IHATTCH
DSECT Name:	TTCH, TTCHBS
Owning Component:	System Trace (SC142)
Eye-Catcher ID:	TTCH Offset: 0 Length: 4
Storage Attributes:	Subpool: 229 Key: 0
Size:	varies
Created by:	IEAVETSN - System trace table snapshot routine IEAVETTF - system trace table snapshot filter routine INITIALIZATION = The creator of the control block must initialize TTCHID with the acronym 'TTCH' and TTCHBLVL with the constant TTCHLVLN.
Pointed to by:	PRDTTCH (SVC DUMP) TFWATTCH TOBTTCHF TOBTTCHB TRFMTTCH TRSNTTCH TTCHFWRD TTCHBWRD
Serialization:	System trace address space local lock
Function:	Contain information which describes a copy of the trace table.

TTCH mapping

Table 502. Structure TTCH

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	TTCH	TRACE TABLE COPY HEADER.
0	(0)	CHARACTER	4	TTCHID	TTCH EBCDIC IDENTIFIER.
4	(4)	UNSIGNED	1	TTCHBLVL	CONTROL BLOCK LEVEL NUMBER.
5	(5)	BITSTRING	1	TTCHFLGS	TTCH FLAGS.
		1...		TTCHATRC	TTCH PRE-FILTERED BY ASID BY THE ASIDTRC SERVICE.
		.1..		TTCH_MINI_TRACE	Mini snapshot
6	(6)	CHARACTER	1	TTCHRSV1	RESERVED.
7	(7)	UNSIGNED	1	TTCH_SNAPTRC_CALLER	SNAPTRC requestor identity 1=RTM, 2=SNAP, 3=RTD, 4=SDUMP, 5=SYSMDUMP/IEATDUMP, 6=HIS, 0=others
8	(8)	ADDRESS	4	TTCHFWRD	FORWARD CHAIN POINTER.
12	(C)	ADDRESS	4	TTCHBWRD	BACKWARD CHAIN POINTER.
16	(10)	UNSIGNED	4	TTCHSIZE	TOTAL SIZE OF THE COPY AREA.

Table 502. Structure TTCH (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
20	(14)	CHARACTER	2	TTCHRSV2	RESERVED.
22	(16)	UNSIGNED	2	TTCHASID	ASID OWNING TTCH.
24	(18)	ADDRESS	4	TTCHTCB	TCB OWNING TTCH OR 0.
28	(1C)	UNSIGNED	2	TTCHNUMP	NUMBER OF PROCESSOR AREAS FOLLOWING WITH TRACE DATA.
30	(1E)	CHARACTER	2	TTCHMBUF_OLD	TTCHMBUF was here prior to R9. Do not use this field so that someone who had code to reference this would get zeroes
32	(20)	CHARACTER	8	TTCHTOD	TIME OF DAY FROM ASCB OF OWNING ASID.
40	(28)	UNSIGNED	8	TTCHMBUFCP	MAXIMUM NUMBER OF 4K BUFFERS FOR A PROCESSOR.
48	(30)	UNSIGNED	8	TTCHBUFOBJS	NUMBER OF TTCH MEMORY OBJECTS
56	(38)	ADDRESS	8	TTCHFBFPTR	POINTER TO FIRST TTCH BUFFER.
64	(40)	ADDRESS	4	TTCHCOPYTRCTCB	TCB of workunit which did Copytrc DualAdd if different from workunit which did SNAPTRC to create the TTCH
68	(44)	UNSIGNED	2	TTCHCOPYTRCASID	Asid of workunit which did Copytrc DualAdd if different from workunit which did SNAPTRC to create the TTCH
70	(46)	CHARACTER	58	TTCHRSV4	RESERVED.
128	(80)	CHARACTER	24	TTCHPH(*)	PROCESSOR HEADER.
128	(80)	BITSTRING	1	TTCHPHFLAGS	Processor Header flags
	1...			TTCHCPUOFFLINE	Cpu Offline indicator 1 = CPU is offline 0 = CPU is online
129	(81)	CHARACTER	1	*	Reserved
130	(82)	UNSIGNED	2	TTCHCPID	PROCESSOR ID.
132	(84)	ADDRESS	4	TTCHBSPTR	POINTER TO A PROCESSOR SECTION CONSISTING OF THE GIVEN NUMBER (TTCHNBUF) OF BUFFER SECTIONS.
136	(88)	ADDRESS	8	TTCHPBFPTR	POINTER TO FIRST BUFFER OF THE GIVEN NUMBER (TTCHNBUF) OF BUFFERS.
144	(90)	UNSIGNED	8	TTCHNBUF	NUMBER OF 4K BUFFERS FOR THIS PROCESSOR.
152	(98)	CHARACTER	0	TTCHPEND	END OF PROCESSOR HEADER SECTION OF TTCH.

Table 503. Structure TTCHBS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	48	TTCHBS(*)	BUFFER SECTION.
0	(0)	CHARACTER	4	TTCHRSV6	TTCHCPTR was here prior to R10. Do not use this field so that someone who had code to reference this would get zeroes.
4	(4)	SIGNED	4	TTCHCLEN	LENGTH OF VALID DATA IN THE COPY OF THE 4K TRACE BUFFER.
8	(8)	CHARACTER	24	TTCHBST	BUFFER STATUS. (COPIED FROM TBVTBST, COPIED TO TFWABST)

Table 503. Structure TTCHBS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	CHARACTER	2	TTCHBFGS	STATE FLAGS.
8	(8)	CHARACTER	1	TTCHBFG1	STATE FLAGS.
		1...		TTCHBLST	TRACE BUFFER(S) HAS BEEN LOST. NO TRACE DATA IS AVAILABLE TO BE PROCESSED.
		.1..		TTCHCLST	CONTROL INFORMATION FOR THE TRACE BUFFER HAS BEEN LOST. TRACE DATA MAY EXIST IN THE BUFFER, BUT THE END OF THE TRACE DATA IS NOT KNOWN.
		..1.		TTCHITTE	INVALID TTE FOUND IN TRACE DATA BY ASIDTRC SERVICE.
9	(9)	CHARACTER	1	TTCHBFG2	STATE FLAGS.
10	(A)	UNSIGNED	2	TTCHBSA	SASID AT TIME BUFFER BECAME CURRENT.
12	(C)	UNSIGNED	2	TTCHBHA	HASID AT TIME BUFFER BECAME CURRENT.
14	(E)	UNSIGNED	2	TTCHBPA	PASID AT TIME BUFFER BECAME CURRENT.
16	(10)	ADDRESS	4	TTCHBTB	PSATOLD AT TIME BUFFER BECAME CURRENT.
20	(14)	SIGNED	4	TTCHBCNT	BUFFER USE COUNT.
24	(18)	CHARACTER	8	TTCHBTOD	TIME OF DAY BUFFER BECAME CURRENT.
32	(20)	CHARACTER	8	TTCHBSAT	TIME OF DAY AT BUFFER SATURATION.
40	(28)	ADDRESS	8	TTCHCPTR	POINTER TO COPY OF 4K TRACE BUFFER.
48	(30)	CHARACTER	0	TTCHBEND	END OF BUFFER SECTION OF TTCH.

Table 504. Constants for TTCH

Len	Type	Value	Name	Description
2	DECIMAL	128	STATICTTCHLEN	LENGTH OF THE STATIC PORTION OF THE TTCH
1	DECIMAL	5	TTCHLVLN	TTCH LEVEL NUMBER.

Table 505. Cross Reference for TTCH

Name	Offset	Hex Tag
TTCH	0	
TTCH_MINI_TRACE	5	40
TTCH_SNAPTRC_CALLER	7	
TTCHASID	16	
TTCHATRC	5	80
TTCHBCNT	14	
TTCHBEND	30	
TTCHBFGS	8	
TTCHBFG1	8	
TTCHBFG2	9	
TTCHBHA	C	
TTCHBLST	8	80

Table 505. Cross Reference for TTCH (continued)

Name	Offset	Hex Tag
TTCHBLVL	4	
TTCHBPA	E	
TTCHBS	0	
TTCHBSA	A	
TTCHBSAT	20	
TTCHBSPTR	84	
TTCHBST	8	
TTCHBTB	10	
TTCHBTOD	18	
TTCHBUFOBJS	30	
TTCHBWRD	C	
TTCHCLEN	4	
TTCHCLST	8	40
TTCHCOPYTRCASID	44	
TTCHCOPYTRCTCB	40	
TTCHCPID	82	
TTCHCPTR	28	
TTCHCPUOFFLINE	80	80
TTCHFBFPTR	38	
TTCHFLGS	5	
TTCHFWRD	8	
TTCHID	0	
TTCHITTE	8	20
TTCHMBUF_OLD	1E	
TTCHMBUFCP	28	
TTCHNBUF	90	
TTCHNUMP	1C	
TTCHPBFPTR	88	
TTCHPEND	98	
TTCHPH	80	
TTCHPHFLAGS	80	
TTCHRSV1	6	
TTCHRSV2	14	
TTCHRSV4	46	
TTCHRSV6	0	
TTCHSIZE	10	
TTCHTCB	18	
TTCHTOD	20	

Chapter 142. TTE Information

TTE Programming Interface Information

ONLY the following fields are part of the programming interface information:

- TTEEXP
- TTEXP
- TTE07F
- TTE07FAD
- TTE07FCI
- TTE07FHA
- TTE07FPA
- TTE07FPI
- TTE07FRB
- TTE07FRV
- TTE07FSA
- TTE07FTB

TTE Heading Information

Common Name:	System trace table entry (TTE)
Macro ID:	IHATTE
DSECT Name:	TTE
Owning Component:	System trace (SC142)
Eye-Catcher ID:	NONE
Storage Attributes:	Subpool: 245 in tracing buffers created by IEAVNIP0. 255 in tracing buffers created by IEAVETEA. Key: 0
Size:	Depends on type of entry.
Created by:	Implicitly by the hardware or explicitly by: system trace table entry creation routines (IEAVETRC), the dispatcher (PTRACE in IEAVEDS0), exit prologue routine (PTRACE in IEAVEEXP), and SVC FLIH (PTRACE in IEAVESVC).
Pointed to by:	Control register 12 TBVTCR12 TBVTENTY Parameter 3 for ITRF0n7F, the USRn formatting routines, where n is 0-9.
Serialization:	Disablement on the processor and zeroed tracing control bits in control register 12.
Function:	Contain the information from each trace entry.

TTE mapping

Table 506. Structure TTE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TTE	TRACE TABLE ENTRY.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	CHARACTER	4	(0)	MINIMUM TRACE TABLE ENTRY.
GENERAL EXPLICIT TTE					
0	(0)	CHARACTER	12	TTEXP(0)	EXPLICIT TRACE TABLE ENTRY.
0	(0)	BITSTRING	1	TTETYPE	TRACE TABLE ENTRY TYPE (X'7N').
		.111		TTETEX	"X'70'" EXPLICIT TTE TYPE (X'7N').
		1111		TTEMEX	"X'F0'" MASK FOR EXPLICIT TTE TYPE.
		 1111		TTEREGS	"X'0F'" MASK FOR ONE LESS THAN THE NUMBER OF REGISTERS IN THE TTE.
1	(1)	BITSTRING	1	TTEMBZ1	RESERVED. (MUST BE ZERO)
2	(2)	BITSTRING	6	TTETOD	TOD-CLOCK BITS 16-63.
8	(8)	BITSTRING	4	TTETOTE(0)	TRACE OPERAND TABLE ENTRY.
8	(8)	BITSTRING	2		FLAG BYTES.
10	(A)	SIGNED	2	TTEXPTYP(0)	EXPLICIT ENTRY TYPE.
10	(A)	BITSTRING	1	TTEXPSID	EXPLICIT ENTRY SUB-ID.
		 1111		TTEMSID	"X'0F'" MASK FOR EXPLICIT TTE SUB-ID.
11	(B)	BITSTRING	1	TTEXPID	EXPLICIT ENTRY ID.
12	(C)	SIGNED	4	TTEUNQ(0)	UNIQUE ENTRY DESCRIPTIONS.
12	(C)	CHARACTER	64	TTEEXCOM(0)	EXPLICIT ENTRY COMMON FIELD NAMES.
12	(C)	CHARACTER	4	TTEWRD0(0)	TTE WORD 0.
12	(C)	ADDRESS	4	TTETCB	TCB ADDRESS.
16	(10)	CHARACTER	4	TTEWRD1(0)	TTE WORD 1.
16	(10)	SIGNED	2	TTEDEP	DEPENDENT ON EACH EXPLICIT TTE ENTRY.
18	(12)	SIGNED	2	TTEASID	ASID.
20	(14)	CHARACTER	4	TTEWRD2	TTE WORD 2.
24	(18)	CHARACTER	4	TTEWRD3	TTE WORD 3.
28	(1C)	CHARACTER	4	TTEWRD4	TTE WORD 4.
32	(20)	CHARACTER	4	TTEWRD5	TTE WORD 5.
36	(24)	CHARACTER	4	TTEWRD6	TTE WORD 6.
40	(28)	CHARACTER	4	TTEWRD7	TTE WORD 7.
44	(2C)	CHARACTER	4	TTEWRD8	TTE WORD 8.
48	(30)	CHARACTER	4	TTEWRD9	TTE WORD 9.
52	(34)	CHARACTER	4	TTEWRDA	TTE WORD 10.
56	(38)	CHARACTER	4	TTEWRDB	TTE WORD 11.
60	(3C)	CHARACTER	4	TTEWRDC	TTE WORD 12.
64	(40)	CHARACTER	4	TTEWRDD	TTE WORD 13.
68	(44)	CHARACTER	4	TTEWRDE	TTE WORD 14.
72	(48)	CHARACTER	4	TTEWRDF	TTE WORD 15.
76	(4C)	SIGNED	4	TTEXPEND(0)	END OF MAXIMUM EXPLICIT TTE.
76	(4C)	X'4C'	0	TTETMAX	"76" MAXIMUM LENGTH OF EXPLICIT ENTRIES.
0	(0)	CHARACTER	16	TTEEXP(0)	EXPLICIT TRACE TABLE ENTRY.
0	(0)	BITSTRING	1	TTEETYPE	TRACE TABLE ENTRY TYPE (X'7N').
		.111		TTEETEX	"X'70'" EXPLICIT TTE TYPE (X'7N').
		1111		TTEEMEX	"X'F0'" MASK FOR EXPLICIT TTE TYPE.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		 1111		TTEEREGS	"X'0F'" MASK FOR ONE LESS THAN THE NUMBER OF REGISTERS IN THE TTE.
1	(1)	BITSTRING	1	TTEEMBZ1	MUST BE 10000000
2	(2)	BITSTRING	10	TTEETOD	TOD-CLOCK BITS 0-79.
12	(C)	BITSTRING	4	TTEETOTE(0)	TRACE OPERAND TABLE ENTRY.
12	(C)	BITSTRING	2		FLAG BYTES.
14	(E)	SIGNED	2	TTEEXPTP(0)	EXPLICIT ENTRY TYPE.
14	(E)	BITSTRING	1	TTEEXPSD	EXPLICIT ENTRY SUB-ID.
		 1111		TTEEMSID	"X'0F'" MASK FOR EXPLICIT TTE SUB-ID.
15	(F)	BITSTRING	1	TTEEXPID	EXPLICIT ENTRY ID.
16	(10)	SIGNED	4	TTEEUNQ(0)	UNIQUE ENTRY DESCRIPTIONS.
16	(10)	CHARACTER	128	TTEEECOM(0)	EXPLICIT ENTRY COMMON FIELD NAMES.
16	(10)	CHARACTER	8	TTEEWRD0(0)	TTE DOUBLE WORD0
16	(10)	BITSTRING	4		RESERVED
20	(14)	ADDRESS	4	TTEETCB	TCB ADDRESS.
24	(18)	CHARACTER	8	TTEEWRD1(0)	TTE DOUBLE WORD1
24	(18)	BITSTRING	4		RESERVED
28	(1C)	SIGNED	2	TTEEDEP	DEPENDENT ON EACH EXPLICIT TTE ENTRY.
30	(1E)	SIGNED	2	TTEEASID	ASID.
32	(20)	CHARACTER	8	TTEEWRD2	TTE DOUBLE WORD3
40	(28)	CHARACTER	8	TTEEWRD3	TTE DOUBLE WORD4
48	(30)	CHARACTER	8	TTEEWRD4	TTE DOUBLE WORD5
56	(38)	CHARACTER	8	TTEEWRD5	TTE DOUBLE WORD6
64	(40)	CHARACTER	8	TTEEWRD6	TTE DOUBLE WORD7
72	(48)	CHARACTER	8	TTEEWRD7	TTE DOUBLE WORD8
80	(50)	CHARACTER	8	TTEEWRD8	TTE DOUBLE WORD9
88	(58)	CHARACTER	8	TTEEWRD9	TTE DOUBLE WORD10
96	(60)	CHARACTER	8	TTEEWRDA	TTE DOUBLE WORD11
104	(68)	CHARACTER	8	TTEEWRDB	TTE DOUBLE WORD12
112	(70)	CHARACTER	8	TTEEWRDC	TTE DOUBLE WORD13
120	(78)	CHARACTER	8	TTEEWRDD	TTE DOUBLE WORD14
128	(80)	CHARACTER	8	TTEEWRDE	TTE DOUBLE WORD15
136	(88)	CHARACTER	8	TTEEWRDF	TTE DOUBLE WORD16
144	(90)	SIGNED	4	TTEEXEND(0)	END OF MAXIMUM EXPLICIT TTE.
144	(90)	X'90'	0	TTEETMAX	"144" MAXIMUM LENGTH OF EXPLICIT ENTRIES
		1		TTEMTSCH	"X'001'" SUBCHANNEL TYPE MAJOR ID.
		11		TTEMTEXT	"X'003'" EXTERNAL INTERRUPT TYPE MAJOR ID.
		.... .1.1		TTEMTSVC	"X'005'" SVC TYPE MAJOR ID.
		 1111		TTEMTDSP	"X'00F'" DISPATCHER TYPE MAJOR ID.
		1		TTETSSCH	"X'001'" SSCH TYPE ID.
		11		TTETEXT	"X'003'" GENERAL EXT TYPE ID.
		.... .1.1		TTETSVC	"X'005'" GENERAL SVC TYPE ID.
		.... .111		TTETPGM	"X'007'" PGM TYPE ID.
		.... 1..1		TTETSPER	"X'009'" SLIP/PER TYPE ID.
		.... 1.1.		TTETPDMX	"X'00A'" PDMX TYPE ID.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		 1111		TTETDSP	"X'00F'" DSP TYPE ID.
		.... 1.11		TTETIO	"X'00B'" IO TYPE ID.
		...1 ..11		TTETMCH	"X'013'" MCH TYPE ID.
		...1 .1.1		TTETRST	"X'015'" RST TYPE ID.
		...1 .111		TTETACR	"X'017'" ACR TYPE ID.
		...1 1..1		TTETSUSP	"X'019'" SUSP TYPE ID.
		...1 1.11		TTETALTR	"X'01B'" ALTR TYPE ID.
		...1 11.1		TTETRCVY	"X'01D'" RCVY TYPE ID.
		...1 111.		TTETSPIN	"X'01E'" SPIN TYPE ID.
		...1 1111		TTETTIME	"X'01F'" TIME TYPE ID.
		.111 1111		TTETUSR0	"X'07F'" USR0 TYPE ID.
144	(90)	BITSTRING	0	TTETEMS	"X'103'" EMS EXT TYPE ID.
144	(90)	BITSTRING	0	TTETMSCH	"X'101'" MSCH TYPE ID.
144	(90)	BITSTRING	0	TTETSVCR	"X'105'" SVCR TYPE ID.
144	(90)	BITSTRING	0	TTETAINT	"X'10A'" AINT TYPE ID.
144	(90)	BITSTRING	0	TTETSRB	"X'10F'" SRB TYPE ID.
144	(90)	BITSTRING	0	TTETUSR1	"X'17F'" USR1 TYPE ID.
144	(90)	BITSTRING	0	TTETHSCH	"X'201'" HSCH TYPE ID.
144	(90)	BITSTRING	0	TTETSS	"X'203'" SS EXT TYPE ID.
144	(90)	BITSTRING	0	TTETSSRV	"X'205'" SSRV TYPE ID.
144	(90)	BITSTRING	0	TTETPCIL	"X'20A'" PCIL TYPE ID.
144	(90)	BITSTRING	0	TTETSSRB	"X'20F'" SSRB TYPE ID.
144	(90)	BITSTRING	0	TTETUSR2	"X'27F'" USR2 TYPE ID.
144	(90)	BITSTRING	0	TTETCSCH	"X'301'" CSCH TYPE ID.
144	(90)	BITSTRING	0	TTETCALL	"X'303'" EXTERNAL CALL EXT TYPE ID.
144	(90)	BITSTRING	0	TTETPCIS	"X'30A'" PCIS TYPE ID.
144	(90)	BITSTRING	0	TTETUSR3	"X'37F'" USR3 TYPE ID.
144	(90)	BITSTRING	0	TTETRSCH	"X'401'" RSCH TYPE ID.
144	(90)	BITSTRING	0	TTETCLKC	"X'403'" CLOCK COMPARATOR EXT TYPE ID.
144	(90)	BITSTRING	0	TTETUSR4	"X'47F'" USR4 TYPE ID.
144	(90)	BITSTRING	0	TTETSIGA	"X'501'" SIGA TYPE ID.
144	(90)	BITSTRING	0	TTETUSR5	"X'57F'" USR5 TYPE ID.
144	(90)	BITSTRING	0	TTETXSCH	"X'601'" XSCH TYPE ID.
144	(90)	BITSTRING	0	TTETUSR6	"X'67F'" USR6 TYPE ID.
144	(90)	BITSTRING	0	TTETUSR7	"X'77F'" USR7 TYPE ID.
144	(90)	BITSTRING	0	TTETUSR8	"X'87F'" USR8 TYPE ID.
144	(90)	BITSTRING	0	TTETUSR9	"X'97F'" USR9 TYPE ID.
144	(90)	BITSTRING	0	TTETUSRA	"X'A7F'" USRA TYPE ID.
144	(90)	BITSTRING	0	TTETUSRB	"X'B7F'" USRB TYPE ID.
144	(90)	BITSTRING	0	TTETUSRC	"X'C7F'" USRC TYPE ID.
144	(90)	BITSTRING	0	TTETUSRD	"X'D7F'" USRD TYPE ID.
144	(90)	BITSTRING	0	TTETUSRE	"X'E7F'" USRE TYPE ID.
144	(90)	BITSTRING	0	TTETSVCE	"X'F05'" SVC ERROR TYPE ID.
144	(90)	BITSTRING	0	TTETWAIT	"X'F0F'" WAIT TYPE ID.
144	(90)	BITSTRING	0	TTETUSRF	"X'F7F'" USRF TYPE ID.
ACR - ALTERNATE CPU RECOVERY TTE					
12	(C)	SIGNED	4	TTE017(0)	ACR (ACR).

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	ADDRESS	4	TTE017TB	PSATOLD FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSATOLD.
16	(10)	SIGNED	2	TTE017LP	PSACPUPA. LOGICAL PROCESSOR ADDRESS. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSACPUPA.
18	(12)	SIGNED	2	TTE017HA	HOME ADDRESS SPACE FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSAAOLD-> * ASCBASID.
20	(14)	ADDRESS	4	TTE017AD	PSAEEPSW FROM THE ACR PROCESSOR. FAILING PROCESSOR ADDRESS. * PSAEEPSW.
24	(18)	BITSTRING	1	TTE017FG	LCCACREX. ACR FLAG BYTE FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSALCCAV-> * LCCACREX.
25	(19)	BITSTRING	3	TTE017R1	RESERVED.
28	(1C)	ADDRESS	4	TTE017FR	PSACSTK. CURRENT FRR STACK ADDRESS FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSACSTK.
32	(20)	SIGNED	4	TTE017PS	PSASUPER FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSASUPER.
36	(24)	SIGNED	4	TTE017MW	PSAMODEW FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSAMODEW.
40	(28)	SIGNED	4	TTE017LH	PSACLHS FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSACLHS.
44	(2C)	ADDRESS	4	TTE017PL	PSALOCAL FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSALOCAL.
48	(30)	SIGNED	4	TTE017LE	PSACLHSE FROM THE FAILING PROCESSOR. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAPSAV->PSACLHSE.
52	(34)	SIGNED	4	TTE017ED(0)	END OF ACR TTE.
ALTR - TRACE OPTIONS ALTERATION TTE					
12	(C)	SIGNED	4	TTE01B(0)	TRACE OPTIONS ALTERATION (ALTR).
12	(C)	ADDRESS	4	TTE01BTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01BR1	RESERVED.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
18	(12)	SIGNED	2	TTE01BHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE01BPA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE01BSA	SASID. * CONTROL REGISTER 3.
24	(18)	SIGNED	4	TTE01BFC	REGISTER 0 TRACE FUNCTION CODE. ALTRTRC INPUT. * INPUT REGISTER 0.
28	(1C)	SIGNED	4	TTE01BAC	REGISTER 1 TRACE ACTION CODE. ALTRTRC INPUT. * INPUT REGISTER 1.
32	(20)	SIGNED	8	TTE01BPT(0)	TOBTROPT - CONTROL REGISTER 12 MODEL FORMAT. * PSATRVT->TRVTTOB->TOBTROPT.
32	(20)	SIGNED	4	TTE01BPTW1	FIRST WORD
36	(24)	SIGNED	4	TTE01BPTW2	SECOND WORD
40	(28)	SIGNED	8	TTE01BBF(0)	TOBTRBUF - NUMBER OF TRACE BUFFERS PER PROCESSOR. * PSATRVT->TRVTTOB->TOBTRBUF.
40	(28)	SIGNED	4	TTE01BBFW1	FIRST WORD
44	(2C)	SIGNED	4	TTE01BBFW2	SECOND WORD
48	(30)	SIGNED	2	TTE01BCT	TOBTRPOL - NUMBER OF PROCESSORS WITH TRACE CURRENTLY ACTIVE AND/OR SUSPENDED. * PSATRVT->TRVTTOB->TOBTRPOL.
50	(32)	SIGNED	2	TTE01BR2	RESERVED.
52	(34)	SIGNED	4	TTE01BED(0)	END OF ALTR TTE.
CALL - EXTERNAL CALL EXTERNAL INTERRUPT TTE					
12	(C)	SIGNED	4	TTE303(0)	EXTERNAL CALL EXTERNAL INTERRUPT (CALL).
12	(C)	ADDRESS	4	TTE303TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE303R1	RESERVED.
18	(12)	SIGNED	2	TTE303HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE303PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE303SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	16	TTE303PW(0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE303P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE303P2	PSW 4-7
32	(20)	CHARACTER	4	TTE303P3	PSW 8-B
36	(24)	CHARACTER	4	TTE303P4	PSW C-F
40	(28)	ADDRESS	4	TTE303CD	ISSUING PROCESSOR ADDRESS AND EXTERNAL INTERRUPT CODE. * PSAEEPSW.
44	(2C)	SIGNED	4	TTE303PB	PCCARPB. * PSAPCCAV->PCCARPB.
48	(30)	SIGNED	4	TTE303LH	PSACLHS.
52	(34)	ADDRESS	4	TTE303PL	PSALOCAL.
56	(38)	SIGNED	4	TTE303LE	PSACLHSE.
60	(3C)	SIGNED	4	TTE303ED(0)	END OF CALL TTE.
CLKC - CLOCK COMPARATOR EXTERNAL INTERRUPT TTE					
12	(C)	SIGNED	4	TTE403(0)	CLOCK COMPARATOR EXTERNAL INTERRUPT (CLKC).

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	ADDRESS	4	TTE403TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE403R1	RESERVED.
18	(12)	SIGNED	2	TTE403HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE403PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE403SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	16	TTE403PW(0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE403P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE403P2	PSW 4-7
32	(20)	CHARACTER	4	TTE403P3	PSW 8-B
36	(24)	CHARACTER	4	TTE403P4	PSW C-F
40	(28)	SIGNED	4	TTE403CD	EXTERNAL INTERRUPT CODE. * PSAEEPSW.
44	(2C)	ADDRESS	4	TTE403TT	TQE Address or 0. * PSAPCCAV->PCCATQEP.
48	(30)	SIGNED	2	TTE403R2	RESERVED.
50	(32)	SIGNED	2	TTE403TA	TQE ASID OR 0. * PSAPCCAV->PCCA_TQEASID.
52	(34)	SIGNED	4	TTE403LH	PSACLHS.
56	(38)	ADDRESS	4	TTE403PL	PSALOCAL.
60	(3C)	SIGNED	4	TTE403LE	PSACLHSE.
64	(40)	SIGNED	4	TTE403ED(0)	END OF CLKC TTE.
CSCH - CLEAR SUBCHANNEL TTE					
12	(C)	SIGNED	4	TTE301(0)	CLEAR SUBCHANNEL (CSCH).
12	(C)	ADDRESS	4	TTE301TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE301AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE301HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE301CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE301DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE301DN	DEVICE NUMBER. * IOSBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE301UB	UCB ADDRESS (COMMON SEGMENT). * ORBPTR(R3)->WORD 1.
28	(1C)	ADDRESS	4	TTE301IQ	IOQ ADDRESS. * ORBPTR(R3)->WORD 2.
32	(20)	ADDRESS	4	TTE301AI	ADDRESS OF IOSB FOR ASSOCIATED SSCH REQUEST (0 IF NO ASSOCIATED REQUEST). * ORBPTR(R3)->WORD 3.
36	(24)	ADDRESS	4	TTE301IO	IOSB ADDRESS. * INPUT REGISTER 2.
40	(28)	SIGNED	4	TTE301TK(0)	TOKEN. * INPUT REGISTER 1.
40	(28)	BITSTRING	1	TTE301T1	KEY. NOT FORMATTED.
41	(29)	BITSTRING	1	TTE301T2	RESERVED.
42	(2A)	SIGNED	2	TTE301T3	BASE DEVICE NUMBER.
44	(2C)	BITSTRING	1	TTE301SSIDA	SUBCHANNEL SET ID
45	(2D)	BITSTRING	3		RESERVED
48	(30)	SIGNED	4	TTE301ED(0)	END OF CSCH TTE.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
DSP - TASK DISPATCH TTE					
12	(C)	SIGNED	4	TTE00F(0)	TASK DISPATCH (DSP).
12	(C)	ADDRESS	4	TTE00FTB	CURRENT TCB ADDRESS. * PSATOLD.
16	(10)	SIGNED	2	TTE00FR1	RESERVED.
18	(12)	SIGNED	2	TTE00FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE00FPA	PASID. * INPUT REGISTER 13.
22	(16)	SIGNED	2	TTE00FSA	SASID. * INPUT REGISTER 13.
24	(18)	CHARACTER	16	TTE00FPW(0)	PSW TO BE DISPATCHED. * PSAPSWSV16.
24	(18)	CHARACTER	4	TTE00FP1	PSW 0-3
28	(1C)	CHARACTER	4	TTE00FP2	PSW 4-7
32	(20)	CHARACTER	4	TTE00FP3	PSW 8-B
36	(24)	CHARACTER	4	TTE00FP4	PSW C-F
40	(28)	SIGNED	4	TTE00FG0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
44	(2C)	SIGNED	4	TTE00FG1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
48	(30)	SIGNED	4	TTE00FMW	PSAMODEW.
52	(34)	SIGNED	4	TTE00FLH	PSACLHS.
56	(38)	ADDRESS	4	TTE00FPL	PSALOCAL.
60	(3C)	SIGNED	4	TTE00FED(0)	END OF DSP TTE.
EMS - EMERGENCY SIGNAL EXTERNAL INTERRUPT TTE					
12	(C)	SIGNED	4	TTE103(0)	EMS EXTERNAL INTERRUPT (EMS).
12	(C)	ADDRESS	4	TTE103TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE103R1	RESERVED.
18	(12)	SIGNED	2	TTE103HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE103PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE103SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	16	TTE103PW(0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE103P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE103P2	PSW 4-7
32	(20)	CHARACTER	4	TTE103P3	PSW 8-B
36	(24)	CHARACTER	4	TTE103P4	PSW C-F
40	(28)	ADDRESS	4	TTE103CD	ISSUING PROCESSOR ADDRESS AND EXTERNAL INTERRUPT CODE. * PSAEEPSW.
44	(2C)	SIGNED	4	TTE103SI	PCCAEMSI. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAEMSI.
48	(30)	ADDRESS	4	TTE103SP	PCCAEMSP. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAEMSP.
52	(34)	ADDRESS	4	TTE103SE	PCCAEMSE. * FLCCVT->CVTPCCAT-> * PCCAT00P(PSASPAD)-> * PCCAEMSE.
56	(38)	SIGNED	4	TTE103LH	PSACLHS.
60	(3C)	ADDRESS	4	TTE103PL	PSALOCAL.
64	(40)	SIGNED	4	TTE103LE	PSACLHSE.
68	(44)	SIGNED	4	TTE103ED(0)	END OF EMS TTE.
EXT - GENERAL EXTERNAL INTERRUPT TTE					
12	(C)	SIGNED	4	TTE003(0)	EXTERNAL INTERRUPT (EXT).

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	ADDRESS	4	TTE003TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE003R1	RESERVED.
18	(12)	SIGNED	2	TTE003HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE003PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE003SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	16	TTE003PW(0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE003P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE003P2	PSW 4-7
32	(20)	CHARACTER	4	TTE003P3	PSW 8-B
36	(24)	CHARACTER	4	TTE003P4	PSW C-F
40	(28)	SIGNED	4	TTE003CD	EXTERNAL INTERRUPT CODE. * PSAEEPSW.
44	(2C)	SIGNED	4	TTE003LH	PSACLHS.
48	(30)	ADDRESS	4	TTE003PL	PSALOCAL.
52	(34)	SIGNED	4	TTE003LE	PSACLHSE.
56	(38)	SIGNED	4	TTE003ED(0)	END OF EXT TTE.
HSCH - HALT SUBCHANNEL TTE					
12	(C)	SIGNED	4	TTE201(0)	HALT SUBCHANNEL (HSCH).
12	(C)	ADDRESS	4	TTE201TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE201AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE201HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE201CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE201DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE201DN	DEVICE NUMBER. * IOSBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE201UB	UCB ADDRESS (COMMON SEGMENT). * ORBPTR(R3)->WORD 1.
28	(1C)	ADDRESS	4	TTE201IQ	IOQ ADDRESS. * ORBPTR(R3)->WORD 2.
32	(20)	ADDRESS	4	TTE201AI	ADDRESS OF IOSB FOR ASSOCIATED SSCH REQUEST (0 IF NO ASSOCIATED REQUEST). * ORBPTR(R3)->WORD 3.
36	(24)	ADDRESS	4	TTE201IO	IOSB ADDRESS. * INPUT REGISTER 2.
40	(28)	SIGNED	4	TTE201TK(0)	TOKEN. * INPUT REGISTER 1.
40	(28)	BITSTRING	1	TTE201T1	KEY. NOT FORMATTED.
41	(29)	BITSTRING	1	TTE201T2	RESERVED.
42	(2A)	SIGNED	2	TTE201T3	BASE DEVICE NUMBER.
44	(2C)	BITSTRING	1	TTE201SSIDA	SUBCHANNEL SET ID
45	(2D)	BITSTRING	3		RESERVED
48	(30)	SIGNED	4	TTE201ED(0)	END OF HSCH TTE.
IO - I/O INTERRUPT TTE					
12	(C)	SIGNED	4	TTE00B(0)	I/O INTERRUPT (IO).
12	(C)	ADDRESS	4	TTE00BTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
16	(10)	SIGNED	2	TTE00BDN	DEVICE NUMBER. * UCBPTR(R7)->UCBCHAN.
18	(12)	SIGNED	2	TTE00BHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE00BPA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE00BSA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	16	TTE00BPW(0)	I/O OLD PSW. * FLCIOPSW.
24	(18)	CHARACTER	4	TTE00BP1	PSW 0-3
28	(1C)	CHARACTER	4	TTE00BP2	PSW 4-7
32	(20)	CHARACTER	4	TTE00BP3	PSW 8-B
36	(24)	CHARACTER	4	TTE00BP4	PSW C-F
40	(28)	SIGNED	2	TTE00BFG	IRBFLAGS. * IRBPTR(R3)->WORD 1.
42	(2A)	SIGNED	2	TTE00BSC	SUBCHANNEL CONTROL. * IRBPTR(R3)->WORD 1.
44	(2C)	ADDRESS	4	TTE00BCA	CCW ADDRESS. * IRBPTR(R3)->WORD 2.
48	(30)	BITSTRING	1	TTE00BDS	DEVICE STATUS. * IRBPTR(R3)->WORD 3.
49	(31)	BITSTRING	1	TTE00BSS	SUBCHANNEL STATUS. * IRBPTR(R3)->WORD 3.
50	(32)	SIGNED	2	TTE00BCT	RESIDUAL COUNT. * IRBPTR(R3)->WORD 3.
52	(34)	SIGNED	4	TTE00BEW	EXTENDED STATUS WORD. * IRBPTR(R3)->WORD 4.
56	(38)	ADDRESS	4	TTE00BUB	UCB ADDRESS. * INPUT REGISTER 7.
60	(3C)	SIGNED	4	TTE00BLH	PSACLHS.
64	(40)	ADDRESS	4	TTE00BPL	PSALOCAL.
68	(44)	SIGNED	4	TTE00BLE	PSACLHSE.
72	(48)	SIGNED	4	TTE00BTK(0)	TOKEN. * INPUT REGISTER 1.
72	(48)	BITSTRING	1	TTE00BT1	KEY. NOT FORMATTED.
73	(49)	BITSTRING	1	TTE00BSSIDA	SUBCHANNEL SET ID
74	(4A)	SIGNED	2	TTE00BT3	BASE DEVICE NUMBER.
76	(4C)	SIGNED	4	TTE00BED(0)	END OF IO TTE.
MCH - MACHINE CHECK INTERRUPT TTE					
12	(C)	SIGNED	4	TTE013(0)	MACHINE CHECK INTERRUPT (MCH).
12	(C)	ADDRESS	4	TTE013TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE013R1	RESERVED.
18	(12)	SIGNED	2	TTE013HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE013PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE013SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	16	TTE013PW(0)	MACHINE CHECK OLD PSW. * FLCMOPSW.
24	(18)	CHARACTER	4	TTE013P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE013P2	PSW 4-7
32	(20)	CHARACTER	4	TTE013P3	PSW 8-B
36	(24)	CHARACTER	4	TTE013P4	PSW C-F
40	(28)	CHARACTER	8	TTE013MC(0)	MACHINE CHECK INTERRUPT CODE. * FLCMCIC.
40	(28)	CHARACTER	4	TTE013M1	PART 1 OF FLCMCIC.
44	(2C)	CHARACTER	4	TTE013M2	PART 2 OF FLCMCIC.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
48	(30)	SIGNED	4	TTE013PS	PSASUPER.
52	(34)	SIGNED	4	TTE013LH	PSACLHS.
56	(38)	ADDRESS	4	TTE013PL	PSALOCAL.
60	(3C)	SIGNED	4	TTE013LE	PSACLHSE.
64	(40)	SIGNED	4	TTE013ED(0)	END OF MCH TTE.
MSCH - MODIFY SUBCHANNEL TTE					
12	(C)	SIGNED	4	TTE101(0)	MODIFY SUBCHANNEL (MSCH).
12	(C)	ADDRESS	4	TTE101TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE101AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE101HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE101CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE101R1	RESERVED.
22	(16)	SIGNED	2	TTE101DN	DEVICE NUMBER. * IOSBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE101UB	UCB ADDRESS (COMMON SEGMENT). * ORBPTR(R3)->WORD 1.
28	(1C)	SIGNED	4	TTE101O2(0)	ORB WORD 2. * ORBPTR(R3)->WORD 2.
28	(1C)	BITSTRING	1	TTE101F1	SCHFLG1 FROM SCHIB USED FOR MSCH INSTRUCTION.
29	(1D)	BITSTRING	1	TTE101F2	SCHFLG2 FROM SCHIB USED FOR MSCH INSTRUCTION.
30	(1E)	BITSTRING	1	TTE101LM	SCHLPM FROM SCHIB USED FOR MSCH INSTRUCTION.
31	(1F)	BITSTRING	1	TTE101PM	SCHPOM FROM SCHIB USED FOR MSCH INSTRUCTION.
32	(20)	SIGNED	4	TTE101O3(0)	ORB WORD 3. * ORBPTR(R3)->WORD 3.
32	(20)	SIGNED	2	TTE101MI	SCHMBI FROM SCHIB USED FOR MSCH INSTRUCTION.
34	(22)	BITSTRING	1	TTE101P2	IOSOPT2 FROM MSCH IOSB.
35	(23)	BITSTRING	1	TTE101FB	IOSFLB FROM MSCH IOSB.
36	(24)	ADDRESS	4	TTE101IO	IOSB ADDRESS. * INPUT REGISTER 2.
40	(28)	SIGNED	4	TTE101TK(0)	TOKEN. * INPUT REGISTER 1.
40	(28)	BITSTRING	1	TTE101T1	KEY. NOT FORMATTED.
41	(29)	BITSTRING	1	TTE101T2	RESERVED.
42	(2A)	SIGNED	2	TTE101T3	BASE DEVICE NUMBER.
44	(2C)	BITSTRING	1	TTE101SSIDA	SUBCHANNEL SET ID
45	(2D)	BITSTRING	3		RESERVED
48	(30)	SIGNED	4	TTE101ED(0)	END OF MSCH TTE.
PGM - PROGRAM INTERRUPT TTE					
12	(C)	SIGNED	4	TTE007(0)	PROGRAM INTERRUPT (PGM).
12	(C)	ADDRESS	4	TTE007TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE007R1	RESERVED.
18	(12)	SIGNED	2	TTE007HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
20	(14)	SIGNED	2	TTE007PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE007SA	SASID. * CONTROL REGISTER 3.
24	(18)	SIGNED	4	TTE007LH	PSACLHS.
28	(1C)	ADDRESS	4	TTE007PL	PSALOCAL.
32	(20)	SIGNED	4	TTE007LE	PSACLHSE.
36	(24)	CHARACTER	16	TTE007PW(0)	PROGRAM INTERRUPT PSW. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORDS 1 * AND 2.
36	(24)	CHARACTER	4	TTE007P1	PSW 0-3
40	(28)	CHARACTER	4	TTE007P2	PSW 4-7
44	(2C)	CHARACTER	4	TTE007P3	PSW 8-B
48	(30)	CHARACTER	4	TTE007P4	PSW C-F
52	(34)	SIGNED	2	TTE007IL	PROGRAM INSTRUCTION LENGTH. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
54	(36)	SIGNED	2	TTE007CD	PROGRAM INTERRUPT CODE. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
56	(38)	ADDRESS	8	TTE007ZT(0)	TEA - Z/Architecture
56	(38)	ADDRESS	4	TTE007TA	TEA CONTENTS. HIGH ORDER BIT INDICATES PRIMARY (0) OR SECONDARY (1). * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 4.
60	(3C)	SIGNED	4	TTE007ED(0)	END OF PGM TTE - ESA
60	(3C)	ADDRESS	4	TTE007ZL	TEA bits 32-63 - z/Arch
64	(40)	SIGNED	4	TTE007ZD(0)	END OF PGM TTE - z/Arch
RSCH - RESUME SUBCHANNEL TTE					
12	(C)	SIGNED	4	TTE401(0)	RESUME SUBCHANNEL (RSCH).
12	(C)	ADDRESS	4	TTE401TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE401AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE401HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE401CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE401DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE401DN	DEVICE NUMBER. * IOSBPTR(R2)->IOSUCB->UCBCHAN.
24	(18)	ADDRESS	4	TTE401UB	UCB ADDRESS FROM IOSB. * IOSBPTR(R2)->IOSUCB.
28	(1C)	ADDRESS	4	TTE401IO	IOSB ADDRESS. * INPUT REGISTER 2.
32	(20)	SIGNED	4	TTE401TK(0)	TOKEN. * INPUT REGISTER 1.
32	(20)	BITSTRING	1	TTE401T1	KEY. NOT FORMATTED.
33	(21)	BITSTRING	1	TTE401T2	RESERVED.
34	(22)	SIGNED	2	TTE401T3	BASE DEVICE NUMBER.
36	(24)	BITSTRING	1	TTE401SSIDA	SUBCHANNEL SET ID
37	(25)	BITSTRING	3		RESERVED
40	(28)	SIGNED	4	TTE401ED(0)	END OF RSCH TTE.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
RST - RESTART INTERRUPT TTE					
12	(C)	SIGNED	4	TTE015(0)	RESTART INTERRUPT (RST).
12	(C)	ADDRESS	4	TTE015TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE015R1	RESERVED.
18	(12)	SIGNED	2	TTE015HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE015PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE015SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	16	TTE015PW(0)	RESTART OLD PSW. * FLCROPSW.
24	(18)	CHARACTER	4	TTE015P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE015P2	PSW 4-7
32	(20)	CHARACTER	4	TTE015P3	PSW 8-B
36	(24)	CHARACTER	4	TTE015P4	PSW C-F
40	(28)	SIGNED	4	TTE015GF	REGISTER 15 CONTENT. * INPUT REGISTER 15.
44	(2C)	SIGNED	4	TTE015G0	REGISTER 0 CONTENT. * INPUT REGISTER 0.
48	(30)	SIGNED	4	TTE015G1	REGISTER 1 CONTENT. * INPUT REGISTER 1.
52	(34)	SIGNED	4	TTE015PS	PSASUPER.
56	(38)	SIGNED	4	TTE015MW	PSAMODEW.
60	(3C)	SIGNED	4	TTE015LH	PSACLHS.
64	(40)	ADDRESS	4	TTE015PL	PSALOCAL.
68	(44)	SIGNED	4	TTE015LE	PSACLHSE.
72	(48)	SIGNED	4	TTE015ED(0)	END OF RST TTE.
SPER - SLIP/PER EVENT TTE					
12	(C)	SIGNED	4	TTE009(0)	SLIP/PER (SPER).
12	(C)	ADDRESS	4	TTE009TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	BITSTRING	2	TTE009PC	PER CODE. * SLIP/PER STATUS ADDRESS * (R3)-> BYTE 1.
18	(12)	SIGNED	2	TTE009HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE009PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE009SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	16	TTE009PW(0)	16-Byte Program Interrupt PSW
24	(18)	CHARACTER	4	TTE009P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE009P2	PSW 4-7
32	(20)	CHARACTER	4	TTE009P3	PSW 8-B
36	(24)	CHARACTER	4	TTE009P4	PSW C-F
40	(28)	SIGNED	4	TTE009V1(0)	Stdata Variable Word 1
40	(28)	SIGNED	2	TTE009IL	PROGRAM INSTRUCTION LENGTH. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
42	(2A)	SIGNED	2	TTE009CD	PROGRAM INTERRUPT CODE. * PROGRAM INTERRUPT STATUS * ADDRESS(R2)->WORD 3.
44	(2C)	SIGNED	4	TTE009V2(0)	Stdata Variable Word 2
44	(2C)	CHARACTER	4	TTE009ID	SLIP/PER TRAP ID. * SLIP/PER TRAP ID ADDRESS * (R1)->WORD 1.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
48	(30)	SIGNED	4	TTE009V3(0)	Stdata Variable Word 3
48	(30)	ADDRESS	4	TTE009IA	PER ADDRESS. * SLIP/PER STATUS ADDRESS * (R3)-> BYTES 3 THROUGH 6.
52	(34)	SIGNED	4	TTE009V4(0)	Stdata Variable Word 4
52	(34)	ADDRESS	4	TTE009IB	PER ADDRESS. * SLIP/PER STATUS ADDRESS * (R3)-> BYTES 7 THROUGH 10.
56	(38)	SIGNED	4	TTE009LH	PSACLHS.
60	(3C)	SIGNED	4	TTE009LE	PSACLHSE.
64	(40)	ADDRESS	4	TTE009PL	PSALOCAL.
68	(44)	SIGNED	4	TTE009V5	Stdata Variable Word 5
72	(48)	SIGNED	4	TTE009ED(0)	END OF SLIP/PER TTE.
SRB - SRB DISPATCH TTE					
12	(C)	SIGNED	4	TTE10F(0)	SRB DISPATCH (SRB).
12	(C)	ADDRESS	4	TTE10FTB	WORK UNIT ADDRESS. * SRBPTR(R0)->SRBWEB.
16	(10)	BITSTRING	1	TTE10FSF	SRB FLAG BYTE. * SRBPTR(R0)->SRBFLGS.
17	(11)	BITSTRING	1	TTE10FLH	SRBHLHI. * SRBPTR(R0)->SRBHLHI.
18	(12)	SIGNED	2	TTE10FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	CHARACTER	8	TTE10FPW(0)	PSW TO RECEIVE CONTROL ON SRB DISPATCH. * PSASMPSW
20	(14)	CHARACTER	4	TTE10FP1	1ST HALF OF PSW
24	(18)	CHARACTER	4	TTE10FP2	2ND HALF OF PSW
28	(1C)	SIGNED	2	TTE10FFN	CPU AFFINITY. * SRBPTR(R0)->SRBCPAFF.
30	(1E)	SIGNED	2	TTE10FAP	RELATED ASID. * SRBPTR(R0)->SRBPASID.
32	(20)	SIGNED	4	TTE10FG0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
36	(24)	SIGNED	4	TTE10FG1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
40	(28)	ADDRESS	4	TTE10FPT	PURGE TCB ADDRESS. * SRBPTR(R0)->SRBPTCB.
44	(2C)	SIGNED	4	TTE10FED(0)	END OF SRB TTE.
SS - SERVICE SIGNAL EXTERNAL INTERRUPT TTE					
12	(C)	SIGNED	4	TTE203(0)	SS EXTERNAL INTERRUPT (SS).
12	(C)	ADDRESS	4	TTE203TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE203R1	RESERVED.
18	(12)	SIGNED	2	TTE203HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE203PA	PASID. * INPUT REGISTER 4.
22	(16)	SIGNED	2	TTE203SA	SASID. * INPUT REGISTER 4.
24	(18)	CHARACTER	16	TTE203PW(0)	EXTERNAL OLD PSW. * FLCEOPSW.
24	(18)	CHARACTER	4	TTE203P1	PSW 0-3
28	(1C)	CHARACTER	4	TTE203P2	PSW 4-7
32	(20)	CHARACTER	4	TTE203P3	PSW 8-B
36	(24)	CHARACTER	4	TTE203P4	PSW C-F

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
40	(28)	SIGNED	4	TTE203CD	EXTERNAL INTERRUPT CODE. * PSAEEPSW.
44	(2C)	ADDRESS	4	TTE203BA	SCCB ADDRESS ASSOCIATED WITH THE SERVICE SIGNAL.
48	(30)	SIGNED	4	TTE203CM	SCLP COMMAND WORD ASSOCIATED WITH THE SERVICE SIGNAL INTERRUPT.
52	(34)	SIGNED	2	TTE203R3	RESERVED. HARDWARE FLAGS NO LONGER PART OF THE SS TRACE ENTRY
54	(36)	SIGNED	2	TTE203RC	SERVICE PROCESSOR RESPONSE AND REASON CODE.
56	(38)	SIGNED	2	TTE203R2	RESERVED.
58	(3A)	SIGNED	2	TTE203AD	SS ASID.
60	(3C)	ADDRESS	4	TTE203AT	SS TCB ADDRESS.
64	(40)	SIGNED	4	TTE203LH	PSACLHS.
68	(44)	ADDRESS	4	TTE203PL	PSALOCAL.
72	(48)	SIGNED	4	TTE203LE	PSACLHSE.
76	(4C)	SIGNED	4	TTE203ED(0)	END OF SS TTE.
SIGA - Signal adapter TTE					
12	(C)	SIGNED	4	TTE501(0)	Signal adapter (SIGA).
12	(C)	ADDRESS	4	TTE501TB	TCB address.
16	(10)	SIGNED	2		Reserved
18	(12)	SIGNED	2	TTE501HA	Home ASID.
20	(14)	BITSTRING	1	TTE501CC	Condition code
21	(15)	BITSTRING	1	TTE501FC	SIGA function code
22	(16)	SIGNED	2	TTE501DN	Device number.
24	(18)	SIGNED	4	TTE501SI	SID.
28	(1C)	ADDRESS	4	TTE501M1	Bit mask (SYNCH).
32	(20)	ADDRESS	4	TTE501M2	Bit mask (SYNCH).
36	(24)	SIGNED	4	TTE501QI	QIB pointer.
40	(28)	ADDRESS	4	TTE501UB	UCB address.
44	(2C)	SIGNED	4	TTE501ED(0)	End of SIGA TTE.
SSCH - START SUBCHANNEL TTE					
12	(C)	SIGNED	4	TTE001(0)	START SUBCHANNEL (SSCH).
12	(C)	ADDRESS	4	TTE001TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE001AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE001HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE001CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE001DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE001DN	DEVICE NUMBER. * TTE001UB->UCBCHAN.
24	(18)	ADDRESS	4	TTE001UB	ORB WORD 1 - UCB ADDRESS. * ORBPTR(R3)->WORD 1.
28	(1C)	SIGNED	4	TTE001O2	ORB WORD 2. * ORBPTR(R3)->WORD 2.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
32	(20)	SIGNED	4	TTE001O3	ORB WORD 3. * ORBPTR(R3)->WORD 3.
36	(24)	SIGNED	4	TTE001O4	ORB WORD 4. * ORBPTR(R3)->WORD 4
40	(28)	ADDRESS	4	TTE001IO	IOSB ADDRESS. * INPUT REGISTER 2.
44	(2C)	SIGNED	4	TTE001TK(0)	TOKEN. * INPUT REGISTER 1.
44	(2C)	BITSTRING	1	TTE001T1	KEY. NOT FORMATTED.
45	(2D)	BITSTRING	1	TTE001T2	RESERVED.
46	(2E)	SIGNED	2	TTE001T3	BASE DEVICE NUMBER.
48	(30)	SIGNED	4	TTE001CU	CAPTURE UCB ADDRESS. * IOSBPTR(R2)->IOSUCB.
52	(34)	BITSTRING	1	TTE001SSIDA	SUBCHANNEL SET ID
53	(35)	BITSTRING	3		RESERVED
56	(38)	SIGNED	4	TTE001ED(0)	END OF SSCH TTE.
SSRB - SUSPENDED SRB DISPATCH TTE					
12	(C)	SIGNED	4	TTE20F(0)	SUSPENDED SRB DISPATCH (SSRB).
12	(C)	ADDRESS	4	TTE20FTB	WORK UNIT ADDRESS. * PSALCCAV->LCCACWEB.
16	(10)	BITSTRING	1	TTE20FR1	RESERVED.
17	(11)	BITSTRING	1	TTE20FLH	PSACLHS BYTE 4. * PSACLHS4.
18	(12)	SIGNED	2	TTE20FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE20FPA	PASID. * INPUT REGISTER 13.
22	(16)	SIGNED	2	TTE20FSA	SASID. * INPUT REGISTER 13.
24	(18)	CHARACTER	16	TTE20FPW(0)	PSW TO BE REDISPATCHED. * PSAPSWSV16.
24	(18)	CHARACTER	4	TTE20FP1	PSW 0-3
28	(1C)	CHARACTER	4	TTE20FP2	PSW 4-7
32	(20)	CHARACTER	4	TTE20FP3	PSW 8-B
36	(24)	CHARACTER	4	TTE20FP4	PSW C-F
40	(28)	ADDRESS	4	TTE20FPT	RELATED TCB. * PSALCCAV->LCCAPGTA+2.
44	(2C)	SIGNED	4	TTE20FSP	SSRB ADDRESS * INPUT REGISTER 1
48	(30)	SIGNED	2	TTE20FFN	CPU AFFINITY. * PSALCCAV->LCCASAFN.
50	(32)	SIGNED	2	TTE20FAP	RELATED ASID. * PSALCCAV->LCCAPGTA.
52	(34)	ADDRESS	4	TTE20FPL	PSALOCAL.
56	(38)	SIGNED	4	TTE20FED(0)	END OF SSRB TTE.
PDMX event TTE					
12	(C)	SIGNED	4	TTE00A(0)	PDMX event
12	(C)	SIGNED	4	TTE00AW0(0)	Word 0 (Same as common)
12	(C)	ADDRESS	4	TTE00ATB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	4	TTE00AW1(0)	Word 1 (Same as common)
16	(10)	SIGNED	2		
18	(12)	SIGNED	2	TTE00AHA	<ASID>. HOME ADDRESS SPACE. PSAAOLD-> ASCBASID.
20	(14)	SIGNED	4	TTE00AW2(0)	Word 2
20	(14)	SIGNED	4	TTE00ARA	RETURN ADDRESS
24	(18)	SIGNED	4	TTE00AW3(0)	Word 3

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
24	(18)	SIGNED	4	TTE00APFID(0)	PFID
24	(18)	SIGNED	2		
26	(1A)	SIGNED	2	TTE00APFIDLOW	Low half of PFID
28	(1C)	SIGNED	4	TTE00W4(0)	Word 4
28	(1C)	SIGNED	4	TTE00AU1(0)	Unique 1
28	(1C)	SIGNED	4	TTE00ADT	Device type
32	(20)	SIGNED	4	TTE00AW5(0)	Word 5
32	(20)	SIGNED	4	TTE00AU2(0)	Unique 2
32	(20)	SIGNED	4	TTE00ACB	Low half of callback@
36	(24)	SIGNED	4	TTE00W6(0)	Word 6
36	(24)	SIGNED	4	TTE00AU3(0)	Unique 3
36	(24)	SIGNED	4	TTE00ACBP1	Callback parms 0-3
40	(28)	SIGNED	4	TTE00W7(0)	Word 7
40	(28)	SIGNED	4	TTE00AU4(0)	Unique 4
40	(28)	SIGNED	4	TTE00ACBP2	Callback parms 4-7
44	(2C)	SIGNED	4	TTE00AED(0)	END OF PDMX TTE.
AINT event TTE					
12	(C)	SIGNED	4	TTE10A(0)	AINT event
12	(C)	SIGNED	4	TTE10AW0(0)	Word 0 (Same as common)
12	(C)	ADDRESS	4	TTE10ATB	<TCB> Current TCB Address PSATOLD.
16	(10)	SIGNED	4	TTE10AW1(0)	Word 1
16	(10)	BITSTRING	1		
17	(11)	BITSTRING	1	TTE10AISM	Adapter interrupt subclass mask
18	(12)	SIGNED	2	TTE10AHA	<ASID>. Home Address space.
20	(14)	SIGNED	4	TTE10AW2(0)	Word 2
20	(14)	SIGNED	2	TTE10APA	<PASD>. PASID. Control register 4.
22	(16)	SIGNED	2	TTE10ASA	<SASD>. PASID. Control register 3.
24	(18)	SIGNED	4	TTE10AW3(0)	Word 3
24	(18)	SIGNED	4	TTE10AU1(0)	Unique 1
24	(18)	CHARACTER	3		@LNA
27	(1B)	BITSTRING	1	TTE10AU1B3	Low byte of Unique 3
		..11 1...		TTE10AISC	"X'38'" Interrruption subclass is in bits 2-4 ..111...
28	(1C)	CHARACTER	16	TTE10APW(0)	I/O OLD PSW. FLCIOPSW.
28	(1C)	CHARACTER	4	TTE10AP1	PSW 0-3
32	(20)	CHARACTER	4	TTE10AP2	PSW 4-7
36	(24)	CHARACTER	4	TTE10AP3	PSW 8-B
40	(28)	CHARACTER	4	TTE10AP4	PSW C-F
44	(2C)	SIGNED	4	TTE10ALH	PSACLHS.
48	(30)	ADDRESS	4	TTE10APL	PSALOCAL.
52	(34)	SIGNED	4	TTE10ALE	PSACLHSE.
56	(38)	SIGNED	4	TTE10AED(0)	END OF AINT TTE.
PCIL event TTE					
12	(C)	SIGNED	4	TTE20A(0)	PCIL/PCIS event
12	(C)	SIGNED	4	TTE20AW0(0)	Word 0 (Same as common)
12	(C)	ADDRESS	4	TTE20ATB	<TCB>. CURRENT TCB ADDRESS OR 0. PSATOLD.
16	(10)	SIGNED	4	TTE20AW1(0)	Word 1 (ASID as in common)

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
16	(10)	BITSTRING	1		
17	(11)	BITSTRING	1	TTE20ACC	CC
18	(12)	SIGNED	2	TTE20AHA	<ASID>. Home Address space. PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTE20AW2(0)	Word 2
20	(14)	ADDRESS	4	TTE20ARET@	Return Address
24	(18)	SIGNED	4	TTE20AW3(0)	Word 3
24	(18)	SIGNED	4	TTE20AU1(0)	Unique 1
24	(18)	SIGNED	4	TTE20ATRACEID	PCI trace identifier
28	(1C)	SIGNED	4	TTE20AW4(0)	Word 4
28	(1C)	SIGNED	4	TTE20APFID(0)	PFID
28	(1C)	SIGNED	2		
30	(1E)	SIGNED	2	TTE20APFIDLOW	Low half of PFID
32	(20)	SIGNED	4	TTE20AW5(0)	Word 5
32	(20)	SIGNED	4	TTE20AU2(0)	Unique 2
32	(20)	SIGNED	4	TTE20AOP1HH	High half of operand 1
36	(24)	SIGNED	4	TTE20AW6(0)	Word 6
36	(24)	SIGNED	4	TTE20AU3(0)	Unique 3
36	(24)	SIGNED	4	TTE20AOP1LH	Low half of operand 1
40	(28)	SIGNED	4	TTE20AW7(0)	Word 7
40	(28)	SIGNED	4	TTE20AU4(0)	Unique 4
40	(28)	SIGNED	4	TTE20AOP2HH	High half of operand 2
44	(2C)	SIGNED	4	TTE20AW8(0)	Word 8
44	(2C)	SIGNED	4	TTE20AU5(0)	Unique 5
44	(2C)	SIGNED	4	TTE20AOP2LH	Low half of operand 2
48	(30)	SIGNED	4	TTE20AW9(0)	Word 9
48	(30)	SIGNED	4	TTE20AU6(0)	Unique 6
48	(30)	SIGNED	4	TTE20AOP2PHH	High half of operand 2+1
52	(34)	SIGNED	4	TTE20AW10(0)	Word 10
52	(34)	SIGNED	4	TTE20AU7(0)	Unique 7 (under UNIQUE-1)
52	(34)	SIGNED	4	TTE20AOP2PLH	Low half of operand 2+1
56	(38)	SIGNED	4	TTE20AED(0)	END OF PCIL TTE.
PCIS event TTE					
12	(C)	SIGNED	4	TTE30A(0)	PCIL/PCIS event
12	(C)	SIGNED	4	TTE30AW0(0)	Word 0 (Same as common)
12	(C)	ADDRESS	4	TTE30ATB	<TCB>. CURRENT TCB ADDRESS OR 0. PSATOLD.
16	(10)	SIGNED	4	TTE30AW1(0)	Word 1 (ASID as in common)
16	(10)	BITSTRING	1		
17	(11)	BITSTRING	1	TTE30ACC	CC
18	(12)	SIGNED	2	TTE30AHA	<ASID>. Home Address space. PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTE30AW2(0)	Word 2
20	(14)	ADDRESS	4	TTE30ARET@	Return Address
24	(18)	SIGNED	4	TTE30AW3(0)	Word 3
24	(18)	SIGNED	4	TTE30AU1(0)	Unique 1
24	(18)	SIGNED	4	TTE30ATRACEID	PCI trace identifier
28	(1C)	SIGNED	4	TTE30AW4(0)	Word 4
28	(1C)	SIGNED	4	TTE30APFID(0)	PFID
28	(1C)	SIGNED	2		
30	(1E)	SIGNED	2	TTE30APFIDLOW	Low half of PFID

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
32	(20)	SIGNED	4	TTE30AW5(0)	Word 5
32	(20)	SIGNED	4	TTE30AU2(0)	Unique 2
32	(20)	SIGNED	4	TTE30AOP1HH	High half of operand 1
36	(24)	SIGNED	4	TTE30AW6(0)	Word 6
36	(24)	SIGNED	4	TTE30AU3(0)	Unique 3
36	(24)	SIGNED	4	TTE30AOP1LH	Low half of operand 1
40	(28)	SIGNED	4	TTE30AW7(0)	Word 7
40	(28)	SIGNED	4	TTE30AU4(0)	Unique 4
40	(28)	SIGNED	4	TTE30AOP2HH	High half of operand 2
44	(2C)	SIGNED	4	TTE30AW8(0)	Word 8
44	(2C)	SIGNED	4	TTE30AU5(0)	Unique 5
44	(2C)	SIGNED	4	TTE30AOP2LH	Low half of operand 2
48	(30)	SIGNED	4	TTE30AW9(0)	Word 9
48	(30)	SIGNED	4	TTE30AU6(0)	Unique 6
48	(30)	SIGNED	4	TTE30AOP2PHH	High half of operand 2+1
52	(34)	SIGNED	4	TTE30AW10(0)	Word 10
52	(34)	SIGNED	4	TTE30AU7(0)	Unique 7 (under UNIQUE-1)
52	(34)	SIGNED	4	TTE30AOP2PLH	Low half of operand 2+1
56	(38)	SIGNED	4	TTE30AED(0)	END OF PCIL TTE.
SUSP - LOCK SUSPENSION TTE					
12	(C)	SIGNED	4	TTE019(0)	SUSPENSION (SUSP).
12	(C)	ADDRESS	4	TTE019TB	ADDRESS OF SUSPENDED TCB OR RELATED TCB. * INPUT REGISTER 4 OR * SSRBPTR(R4)->SRBPTCB.
16	(10)	SIGNED	2	TTE019R1	RESERVED.
18	(12)	SIGNED	2	TTE019HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	ADDRESS	4	TTE019RT	RETURN ADDRESS FOR THE CALLER OF THE SERVICE ROUTINE. * INPUT REGISTER 14.
24	(18)	ADDRESS	4	TTE019RB	ADDRESS OF SUSPENDED RB OR 0. * INPUT REGISTER 5.
28	(1C)	ADDRESS	4	TTE019SB	ADDRESS OF SUSPENDED SRB OR 0. * INPUT REGISTER 4 OR 0.
32	(20)	CHARACTER	4	TTE019SI	EBCDIC SUSPENSION TYPE IDENTIFIER: CEDQ, CLAT CML, CMS, CSMF LOCL * INPUT REGISTER 12.
36	(24)	ADDRESS	4	TTE019AD	ADDRESS ASSOCIATED WITH SUSPENSION OR 0: CEDQ - LOCKWORD ADDRESS. CLAT - LOCKWORD ADDRESS. CML - ASCB ADDRESS FOR CML LOCK REQUESTED. CMS - LOCKWORD ADDRESS. CSMF - LOCKWORD ADDRESS. LOCL - 0. * INPUT REGISTER 11.
40	(28)	SIGNED	4	TTE019LH	CLHS - CPU LOCKS HELD STRING * INPUT REGISTER 2.
44	(2C)	ADDRESS	4	TTE019PL	LOCAL LOCK * INPUT REGISTER 3.
48	(30)	SIGNED	4	TTE019LE	PSACLHSE.
52	(34)	SIGNED	4	TTE019ED(0)	END OF SUSP TTE.
SVC - SVC INTERRUPT TTE					
12	(C)	SIGNED	4	TTE005(0)	GENERAL SVC INTERRUPT (SVC).

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	ADDRESS	4	TTE005TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE005SN	SVC NUMBER. * FLCSVCN.
18	(12)	SIGNED	2	TTE005HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	CHARACTER	16	TTE005PW(0)	SVC OLD PSW. * FLCSOPSW.
20	(14)	CHARACTER	4	TTE005P1	PSW 0-3
24	(18)	CHARACTER	4	TTE005P2	PSW 4-7
28	(1C)	CHARACTER	4	TTE005P3	PSW 8-B
32	(20)	CHARACTER	4	TTE005P4	PSW C-F
36	(24)	SIGNED	4	TTE005GF	REGISTER 15 CONTENTS. * INPUT REGISTER 15.
40	(28)	SIGNED	4	TTE005G0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
44	(2C)	SIGNED	4	TTE005G1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
48	(30)	SIGNED	4	TTE005ED(0)	END OF SVC TTE.
SVCE - SVC ERROR TTE					
12	(C)	SIGNED	4	TTEF05(0)	SVC ERROR (SVCE).
12	(C)	ADDRESS	4	TTEF05TB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTEF05SN	SVC NUMBER. * FLCSVCN.
18	(12)	SIGNED	2	TTEF05HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTEF05PA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTEF05SA	SASID. * CONTROL REGISTER 3.
24	(18)	CHARACTER	16	TTEF05PW(0)	SVC OLD PSW. * FLCSOPSW.
24	(18)	CHARACTER	4	TTEF05P1	PSW 0-3
28	(1C)	CHARACTER	4	TTEF05P2	PSW 4-7
32	(20)	CHARACTER	4	TTEF05P3	PSW 8-B
36	(24)	CHARACTER	4	TTEF05P4	PSW C-F
40	(28)	SIGNED	4	TTEF05GF	REGISTER 15 CONTENTS. * INPUT REGISTER 15.
44	(2C)	SIGNED	4	TTEF05G0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
48	(30)	SIGNED	4	TTEF05G1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
52	(34)	SIGNED	4	TTEF05MW	PSAMODEW.
56	(38)	SIGNED	4	TTEF05LH	PSACLHS.
60	(3C)	ADDRESS	4	TTEF05PL	PSALOCAL.
64	(40)	SIGNED	4	TTEF05LE	PSACLHSE.
68	(44)	SIGNED	4	TTEF05ED(0)	END OF SVCE TTE.
SVCR - SVC RETURN TTE					
12	(C)	SIGNED	4	TTE105(0)	SVC RETURN (SVCR).
12	(C)	ADDRESS	4	TTE105TB	CURRENT TCB ADDRESS. * PSATOLD.
16	(10)	SIGNED	2	TTE105SN	SVC NUMBER. * ((PSATOLD->TCBRBP)- * (RBPRFLNA)->RBINTCOD.
18	(12)	SIGNED	2	TTE105HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
20	(14)	CHARACTER	16	TTE105PW(0)	PSW TO RECEIVE CONTROL ON REDISPATCH. * PSATOLD->TCBRBP->RBOPSW.
20	(14)	CHARACTER	4	TTE105P1	PSW 0-3
24	(18)	CHARACTER	4	TTE105P2	PSW 4-7
28	(1C)	CHARACTER	4	TTE105P3	PSW 8-B
32	(20)	CHARACTER	4	TTE105P4	PSW C-F
36	(24)	SIGNED	4	TTE105GF	REGISTER 15 CONTENTS. * INPUT REGISTER 15.
40	(28)	SIGNED	4	TTE105G0	REGISTER 0 CONTENTS. * INPUT REGISTER 0.
44	(2C)	SIGNED	4	TTE105G1	REGISTER 1 CONTENTS. * INPUT REGISTER 1.
48	(30)	SIGNED	4	TTE105ED(0)	END OF SVCR TTE.
SSRV - PC OR BRANCH ENTERED SYSTEM SERVICE TTE					
12	(C)	SIGNED	4	TTE205(0)	PC OR BRANCH ENTERED SYSTEM SERVICE (SSRV)
12	(C)	ADDRESS	4	TTE205TB	CURRENT TCB ADDRESS OR 0. PSATOLD.
16	(10)	SIGNED	2	TTE205SI	SSRVID. ASSOCIATED SERVICE IDENTIFIER NUMBER.
18	(12)	SIGNED	2	TTE205HA	HOME ADDRESS SPACE. PSAAOLD->ASCBASID.
20	(14)	ADDRESS	4	TTE205CI	RETURN ADDRESS OF THE CALLER OF THE BRANCH ENTERED SERVICE OR OF THE PC ENTERED SERVICE.
24	(18)	SIGNED	4	TTE205U1	1ST WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.
28	(1C)	SIGNED	4	TTE205U2	2ND WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.
32	(20)	SIGNED	4	TTE205U3	3RD WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.
36	(24)	SIGNED	4	TTE205U4	4TH WORD OF INFORMATION UNIQUE FOR ASSOCIATED SERVICE IDENTIFIER.
40	(28)	SIGNED	4	TTE205ED(0)	END OF SSRV TTE.
SSRV - TTE FOR IARV64 REQUESTS					
12	(C)	SIGNED	4	TTEV64(0)	IARV64 SSRV
12	(C)	ADDRESS	4	TTEV64TB	CURRENT TCB ADDRESS OR 0. PSATOLD.
16	(10)	SIGNED	2	TTEV64SI	SSRVID. ASSOCIATED SERVICE IDENTIFIER NUMBER.
18	(12)	SIGNED	2	TTEV64HA	HOME ADDRESS SPACE. PSAAOLD->ASCBASID.
20	(14)	ADDRESS	4	TTEV64W1	WORD1 - REQUEST TYPE AND MISC FLAGS
24	(18)	ADDRESS	4	TTEV64W2	WORD2 - ABEND/RETURN CODE
28	(1C)	ADDRESS	4	TTEV64W3	WORD3 - REASON CODE
32	(20)	ADDRESS	4	TTEV64W4	WORD4 - ALET

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
36	(24)	CHARACTER	8	TTEV64D1(0)	DOUBLEWORD #1
36	(24)	CHARACTER	4	TTEV64WA	WORD1
40	(28)	CHARACTER	4	TTEV64WB	WORD2
44	(2C)	CHARACTER	8	TTEV64D2(0)	DOUBLEWORD #2
44	(2C)	CHARACTER	4	TTEV64WC	WORD1
48	(30)	CHARACTER	4	TTEV64WD	WORD2
52	(34)	CHARACTER	8	TTEV64D3(0)	DOUBLEWORD #3
52	(34)	CHARACTER	4	TTEV64WE	WORD1
56	(38)	CHARACTER	4	TTEV64WF	WORD2
60	(3C)	SIGNED	4	TTEV64ED(0)	
SSRV - TTE FOR CF CPU REQUESTS					
12	(C)	SIGNED	4	TTECFC(0)	CF CPU SSRV
12	(C)	ADDRESS	4	TTECFCTB	<TCB> CURRENT TCB ADDRESS OR 0. PSATOLD.
16	(10)	SIGNED	2	TTECFCSI	<CD/D> SSRVID. ASSOCIATED SERVICE IDENTIFIER NUMBER ('1050'x).
18	(12)	SIGNED	2	TTECFCHA	<ASID> HOME ADDRESS SPACE. PSAAOLD->ASCBASID.
20	(14)	CHARACTER	4	TTECFCPW	<PSW ADDR> TARGET CPU, FLAGS, DIRECTION AND SOURCE.
24	(18)	CHARACTER	4	TTECFCU1	<U1> COPY OF RGD_SCPU_RC
28	(1C)	CHARACTER	4	TTECFCU2	<U2> START OF CSD_CPU_ALIVE.
32	(20)	CHARACTER	4	TTECFCU3	<U3>
36	(24)	CHARACTER	4	TTECFCU4	<U4>
40	(28)	CHARACTER	4	TTECFCU5	<U5> END OF CSD_CPU_ALIVE.
44	(2C)	SIGNED	4	TTECFCED(0)	END OF SSRV CF CPU TTE
USRN - USER EVENT TTE AMODE64					
16	(10)	SIGNED	4	TTE07FE(0)	USER EVENT TRACE (USRN) TRACG
16	(10)	CHARACTER	8	(0)	
16	(10)	CHARACTER	4		
20	(14)	ADDRESS	4	TTE07FTE	CURRENT TCB ADDRESS OR 0.
24	(18)	CHARACTER	8	(0)	
24	(18)	CHARACTER	4		* PSATOLD.
28	(1C)	SIGNED	2	TTE07FDE	RESERVED.
30	(1E)	SIGNED	2	TTE07FHE	HOME ADDRESS SPACE.
32	(20)	CHARACTER	8	(0)	
32	(20)	CHARACTER	4		* PSAAOLD->ASCBASID.
36	(24)	SIGNED	2	TTE07FPE	PASID. * CONTROL REGISTER 4.
38	(26)	SIGNED	2	TTE07FSE	SASID. * CONTROL REGISTER 3.
40	(28)	CHARACTER	8	TTE07FAE	USER RETURN ADDRESS. * INPUT REGISTER 14.
48	(30)	CHARACTER	8	TTE07FCE(0)	CONTINUATION INFORMATION.
48	(30)	CHARACTER	4		
52	(34)	SIGNED	2	TTE07FIE	PTRACE IDENTIFICATION COUNT * PSATRVT->TRVTTOB->TOBTRCI
54	(36)	SIGNED	2	TTE07FRE	RELATIVE BYTE COUNT. * GENERATED.
54	(36)	X'5'	0	TTE07FME	"5" MAXIMUM NUMBER OF DATA WORDS PER USER ENTRY.
USRN - USER EVENT TTE					

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	SIGNED	4	TTE07F(0)	USER EVENT TRACE (USRN).
12	(C)	ADDRESS	4	TTE07FTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE07FRV	RESERVED.
18	(12)	SIGNED	2	TTE07FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	2	TTE07FPA	PASID. * CONTROL REGISTER 4.
22	(16)	SIGNED	2	TTE07FSA	SASID. * CONTROL REGISTER 3.
24	(18)	ADDRESS	4	TTE07FAD	USER RETURN ADDRESS. * INPUT REGISTER 14.
28	(1C)	SIGNED	4	TTE07FCI(0)	CONTINUATION INFORMATION.
28	(1C)	SIGNED	2	TTE07FPI	PTRACE IDENTIFICATION COUNT. * PSATRVT->TRVTTOB->TOBTRCI
30	(1E)	SIGNED	2	TTE07FRB	RELATIVE BYTE COUNT. * GENERATED.
30	(1E)	X'5'	0	TTE07FMW	"5" MAXIMUM NUMBER OF DATA WORDS PER USER ENTRY.
WAIT - WAIT DISPATCH TTE					
12	(C)	SIGNED	4	TTEF0F(0)	WAIT DISPATCH (WAIT).
12	(C)	ADDRESS	4	TTEF0FTB	CURRENT TCB ADDRESS. * PSATOLD.
16	(10)	SIGNED	2	TTEF0FR1	RESERVED.
18	(12)	SIGNED	2	TTEF0FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTEF0FED(0)	END OF WAIT TTE.
RCVY - RECOVERY EVENT TTE					
12	(C)	SIGNED	4	TTE01D(0)	RECOVERY EVENT (RCVY).
12	(C)	ADDRESS	4	TTE01DTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01DSI	RCVY SUBTYPE CODE.
18	(12)	SIGNED	2	TTE01DHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTE01DLH	PSACLHS.
24	(18)	SIGNED	4	TTE01DLE	PSACLHSE.
28	(1C)	ADDRESS	4	TTE01DPL	PSALOCAL.
32	(20)	CHARACTER	40	TTE01DU(0)	INFORMATION UNIQUE TO RCVY SUBTYPE CODE.
32	(20)	SIGNED	4	TTE01DU1	1ST WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
36	(24)	SIGNED	4	TTE01DU2	2ND WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
40	(28)	SIGNED	4	TTE01DU3	3RD WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
44	(2C)	SIGNED	4	TTE01DU4	4TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
48	(30)	SIGNED	4	TTE01DU5	5TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
52	(34)	SIGNED	4	TTE01DU6	6TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
56	(38)	SIGNED	4	TTE01DU7	7TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
60	(3C)	SIGNED	4	TTE01DU8	8TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
64	(40)	SIGNED	4	TTE01DU9	9TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
68	(44)	SIGNED	4	TTE01DUA	10TH WORD OF INFORMATION UNIQUE TO RCVY SUBTYPE.
72	(48)	SIGNED	4	TTE01DED(0)	END OF RCVY TTE.
SPIN event TTE					
12	(C)	SIGNED	4	TTE01E(0)	SPIN event
12	(C)	ADDRESS	4	TTE01ETB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01ESI	SPIN SUBTYPE CODE.
18	(12)	SIGNED	2	TTE01EHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	SIGNED	4	TTE01ELH	PSACLHS.
24	(18)	SIGNED	4	TTE01ELE	PSACLHSE.
28	(1C)	ADDRESS	4	TTE01EPL	PSALOCAL.
32	(20)	CHARACTER	32	TTE01EU(0)	INFORMATION UNIQUE TO SPIN SUBTYPE CODE.
32	(20)	SIGNED	4	TTE01EU1	1ST WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
36	(24)	SIGNED	4	TTE01EU2	2ND WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
40	(28)	SIGNED	4	TTE01EU3	3RD WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
44	(2C)	SIGNED	4	TTE01EU4	4TH WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
48	(30)	SIGNED	4	TTE01EU5	5TH WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
52	(34)	SIGNED	4	TTE01EU6	6TH WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
56	(38)	SIGNED	4	TTE01EU7	7TH WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
60	(3C)	SIGNED	4	TTE01EU8	8TH WORD OF INFORMATION UNIQUE TO SPIN SUBTYPE.
64	(40)	SIGNED	4	TTE01EED(0)	END OF SPIN TTE.
TIME - TIMER SERVICES TTE					
12	(C)	SIGNED	4	TTE01F(0)	TIMER SERVICES ENTRY(TIME)
12	(C)	ADDRESS	4	TTE01FTB	CURRENT TCB ADDRESS OR 0. * PSATOLD.
16	(10)	SIGNED	2	TTE01FSI	TIME SUBTYPE CODE.
18	(12)	SIGNED	2	TTE01FHA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	CHARACTER	44	TTE01FU(0)	INFORMATION UNIQUE TO TIME SUBTYPE CODE.
20	(14)	SIGNED	4	TTE01FU1	1ST WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
24	(18)	SIGNED	4	TTE01FU2	2ND WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
28	(1C)	SIGNED	4	TTE01FU3	3RD WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
32	(20)	SIGNED	4	TTE01FU4	4TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.

Table 506. Structure TTE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
36	(24)	SIGNED	4	TTE01FU5	5TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
40	(28)	SIGNED	4	TTE01FU6	6TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
44	(2C)	SIGNED	4	TTE01FU7	7TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
48	(30)	SIGNED	4	TTE01FU8	8TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
52	(34)	SIGNED	4	TTE01FU9	9TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
56	(38)	SIGNED	4	TTE01FUA	10TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
60	(3C)	SIGNED	4	TTE01FUB	11TH WORD OF INFORMATION UNIQUE TO TIME SUBTYPE.
64	(40)	SIGNED	4	TTE01FED(0)	END OF TIME TTE.
XSCH - CANCEL SUBCHANNEL TTE					
12	(C)	SIGNED	4	TTE601(0)	CANCEL SUBCHANNEL (XSCH).
12	(C)	ADDRESS	4	TTE601TB	TCB ADDRESS FROM SRB. * IOSBPTR(R2)->IOSSRB->SRBPTCB.
16	(10)	SIGNED	2	TTE601AD	ASID FROM IOSB. * IOSBPTR(R2)->IOSASID.
18	(12)	SIGNED	2	TTE601HA	HOME ADDRESS SPACE. * PSAAOLD->ASCBASID.
20	(14)	BITSTRING	1	TTE601CC	CONDITION CODE. * INPUT REGISTER 0.
21	(15)	BITSTRING	1	TTE601DI	DRIVER ID. * IOSBPTR(R2)->IOSDVRID.
22	(16)	SIGNED	2	TTE601DN	DEVICE NUMBER. * UCBPFPTR(R7)+'200'X->UCBCHAN.
24	(18)	ADDRESS	4	TTE601UB	UCB ADDRESS (COMMON SEGMENT). * UCBPFPTR(R7)+'200'X.
28	(1C)	ADDRESS	4	TTE601IQ	IOQ ADDRESS. * UCBPFPTR(R7)->UCBIOQ.
32	(20)	ADDRESS	4	TTE601IO	IOSB ADDRESS. * INPUT REGISTER 2.
36	(24)	SIGNED	4	TTE601TK(0)	TOKEN. * INPUT REGISTER 1.
36	(24)	BITSTRING	1	TTE601T1	KEY. NOT FORMATTED.
37	(25)	BITSTRING	1	TTE601T2	RESERVED.
38	(26)	SIGNED	2	TTE601T3	BASE DEVICE NUMBER.
40	(28)	BITSTRING	1	TTE601SSIDA	SUBCHANNEL SET ID
41	(29)	BITSTRING	3		RESERVED
44	(2C)	ADDRESS	4	TTE601IA	ASSOCIATED IOQ ADDRESS (E.G., AN INTERROGATE IOQ) OR 0. REG 10 ON TRACE INSTRUCTION.
48	(30)	SIGNED	4	TTE601ED(0)	END OF XSCH TTE.

Table 507. Cross Reference for TTE

Name	Offset	Hex Tag
TTE	0	
TTEASID	12	
TTECFC	C	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTECFCED	2C	
TTECFCHA	12	
TTECFCPW	14	
TTECFCSI	10	
TTECFCTB	C	
TTECFCU1	18	
TTECFCU2	1C	
TTECFCU3	20	
TTECFCU4	24	
TTECFCU5	28	
TTEDEP	10	
TTEEASID	1E	
TTEEDEP	1C	
TTEEECOM	10	
TTEEMBZ1	1	
TTEEMEX	0	F0
TTEEMSID	E	F
TTEEREGS	0	F
TTEETCB	14	
TTEETEX	0	70
TTEETMAX	90	90
TTEETOD	2	
TTEETOTE	C	
TTEETYPE	0	
TTEEUNQ	10	
TTEEWRDA	60	
TTEEWRDB	68	
TTEEWRDC	70	
TTEEWRDD	78	
TTEEWRDE	80	
TTEEWRDF	88	
TTEEWRD0	10	
TTEEWRD1	18	
TTEEWRD2	20	
TTEEWRD3	28	
TTEEWRD4	30	
TTEEWRD5	38	
TTEEWRD6	40	
TTEEWRD7	48	
TTEEWRD8	50	
TTEEWRD9	58	
TTEEXCOM	C	
TTEEXEND	90	
TTEEXP	0	
TTEEXPID	F	
TTEEXPSD	E	
TTEEXPTP	E	
TTEF0F	C	
TTEF0FED	14	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTEF0FHA	12	
TTEF0FR1	10	
TTEF0FTB	C	
TTEF05	C	
TTEF05ED	44	
TTEF05GF	28	
TTEF05G0	2C	
TTEF05G1	30	
TTEF05HA	12	
TTEF05LE	40	
TTEF05LH	38	
TTEF05MW	34	
TTEF05PA	14	
TTEF05PL	3C	
TTEF05PW	18	
TTEF05P1	18	
TTEF05P2	1C	
TTEF05P3	20	
TTEF05P4	24	
TTEF05SA	16	
TTEF05SN	10	
TTEF05TB	C	
TTEMBZ1	1	
TTEMEX	0	F0
TTEMSID	A	F
TTEMTDSP	90	F
TTEMTEXT	90	3
TTEMTSCH	90	1
TTEMTSVC	90	5
TTEREGS	0	F
TTETACR	90	17
TTETAINT	90	10A
TTETALTR	90	1B
TTETCALL	90	303
TTETCB	C	
TTETCLKC	90	403
TTETCSCH	90	301
TTETDSP	90	F
TTETEMS	90	103
TTETEX	0	70
TTETEXT	90	3
TTETHSCH	90	201
TTETIO	90	B
TTETMAX	4C	4C
TTETMCH	90	13
TTETMSCH	90	101
TTETOD	2	
TTETOTE	8	
TTETPCIL	90	20A

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTETPCIS	90	30A
TTETPDMX	90	A
TTETPGM	90	7
TTETRCVY	90	1D
TTETRSCH	90	401
TTETRST	90	15
TTETSIGA	90	501
TTETSPER	90	9
TTETSPIN	90	1E
TTETSRB	90	10F
TTETSS	90	203
TTETSSCH	90	1
TTETSSRB	90	20F
TTETSSRV	90	205
TTETSUSP	90	19
TTETSVC	90	5
TTETSVCE	90	F05
TTETSVCR	90	105
TTETTIME	90	1F
TTETUSRA	90	A7F
TTETUSRB	90	B7F
TTETUSRC	90	C7F
TTETUSRD	90	D7F
TTETUSRE	90	E7F
TTETUSRF	90	F7F
TTETUSR0	90	7F
TTETUSR1	90	17F
TTETUSR2	90	27F
TTETUSR3	90	37F
TTETUSR4	90	47F
TTETUSR5	90	57F
TTETUSR6	90	67F
TTETUSR7	90	77F
TTETUSR8	90	87F
TTETUSR9	90	97F
TTETWAIT	90	F0F
TTETXSCH	90	601
TTETYPE	0	
TTEUNQ	C	
TTEV64	C	
TTEV64D1	24	
TTEV64D2	2C	
TTEV64D3	34	
TTEV64ED	3C	
TTEV64HA	12	
TTEV64SI	10	
TTEV64TB	C	
TTEV64WA	24	
TTEV64WB	28	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTEV64WC	2C	
TTEV64WD	30	
TTEV64WE	34	
TTEV64WF	38	
TTEV64W1	14	
TTEV64W2	18	
TTEV64W3	1C	
TTEV64W4	20	
TTEWRDA	34	
TTEWRDB	38	
TTEWRDC	3C	
TTEWRDD	40	
TTEWRDE	44	
TTEWRDF	48	
TTEWRD0	C	
TTEWRD1	10	
TTEWRD2	14	
TTEWRD3	18	
TTEWRD4	1C	
TTEWRD5	20	
TTEWRD6	24	
TTEWRD7	28	
TTEWRD8	2C	
TTEWRD9	30	
TTEXP	0	
TTEXPEND	4C	
TTEXPID	B	
TTEXPSID	A	
TTEXPTYP	A	
TTE00A	C	
TTE00ACB	20	
TTE00ACBP1	24	
TTE00ACBP2	28	
TTE00ADT	1C	
TTE00AED	2C	
TTE00AHA	12	
TTE00APFID	18	
TTE00APFIDLOW	1A	
TTE00ARA	14	
TTE00ATB	C	
TTE00AU1	1C	
TTE00AU2	20	
TTE00AU3	24	
TTE00AU4	28	
TTE00AW0	C	
TTE00AW1	10	
TTE00AW2	14	
TTE00AW3	18	
TTE00AW5	20	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE00B	C	
TTE00BCA	2C	
TTE00BCT	32	
TTE00BDN	10	
TTE00BDS	30	
TTE00BED	4C	
TTE00BEW	34	
TTE00BFG	28	
TTE00BHA	12	
TTE00BLE	44	
TTE00BLH	3C	
TTE00BPA	14	
TTE00BPL	40	
TTE00BPW	18	
TTE00BP1	18	
TTE00BP2	1C	
TTE00BP3	20	
TTE00BP4	24	
TTE00BSA	16	
TTE00BSC	2A	
TTE00BSS	31	
TTE00BSSIDA	49	
TTE00BTB	C	
TTE00BTK	48	
TTE00BT1	48	
TTE00BT3	4A	
TTE00BUB	38	
TTE00F	C	
TTE00FED	3C	
TTE00FG0	28	
TTE00FG1	2C	
TTE00FHA	12	
TTE00FLH	34	
TTE00FMW	30	
TTE00FPA	14	
TTE00FPL	38	
TTE00FPW	18	
TTE00FP1	18	
TTE00FP2	1C	
TTE00FP3	20	
TTE00FP4	24	
TTE00FR1	10	
TTE00FSA	16	
TTE00FTB	C	
TTE00W4	1C	
TTE00W6	24	
TTE00W7	28	
TTE001	C	
TTE001AD	10	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE001CC	14	
TTE001CU	30	
TTE001DI	15	
TTE001DN	16	
TTE001ED	38	
TTE001HA	12	
TTE001IO	28	
TTE001O2	1C	
TTE001O3	20	
TTE001O4	24	
TTE001SSIDA	34	
TTE001TB	C	
TTE001TK	2C	
TTE001T1	2C	
TTE001T2	2D	
TTE001T3	2E	
TTE001UB	18	
TTE003	C	
TTE003CD	28	
TTE003ED	38	
TTE003HA	12	
TTE003LE	34	
TTE003LH	2C	
TTE003PA	14	
TTE003PL	30	
TTE003PW	18	
TTE003P1	18	
TTE003P2	1C	
TTE003P3	20	
TTE003P4	24	
TTE003R1	10	
TTE003SA	16	
TTE003TB	C	
TTE005	C	
TTE005ED	30	
TTE005GF	24	
TTE005G0	28	
TTE005G1	2C	
TTE005HA	12	
TTE005PW	14	
TTE005P1	14	
TTE005P2	18	
TTE005P3	1C	
TTE005P4	20	
TTE005SN	10	
TTE005TB	C	
TTE007	C	
TTE007CD	36	
TTE007ED	3C	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE007HA	12	
TTE007IL	34	
TTE007LE	20	
TTE007LH	18	
TTE007PA	14	
TTE007PL	1C	
TTE007PW	24	
TTE007P1	24	
TTE007P2	28	
TTE007P3	2C	
TTE007P4	30	
TTE007R1	10	
TTE007SA	16	
TTE007TA	38	
TTE007TB	C	
TTE007ZD	40	
TTE007ZL	3C	
TTE007ZT	38	
TTE009	C	
TTE009CD	2A	
TTE009ED	48	
TTE009HA	12	
TTE009IA	30	
TTE009IB	34	
TTE009ID	2C	
TTE009IL	28	
TTE009LE	3C	
TTE009LH	38	
TTE009PA	14	
TTE009PC	10	
TTE009PL	40	
TTE009PW	18	
TTE009P1	18	
TTE009P2	1C	
TTE009P3	20	
TTE009P4	24	
TTE009SA	16	
TTE009TB	C	
TTE009V1	28	
TTE009V2	2C	
TTE009V3	30	
TTE009V4	34	
TTE009V5	44	
TTE01B	C	
TTE01BAC	1C	
TTE01BBF	28	
TTE01BBFW1	28	
TTE01BBFW2	2C	
TTE01BCT	30	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE01BED	34	
TTE01BFC	18	
TTE01BHA	12	
TTE01BPA	14	
TTE01BPT	20	
TTE01BPTW1	20	
TTE01BPTW2	24	
TTE01BR1	10	
TTE01BR2	32	
TTE01BSA	16	
TTE01BTB	C	
TTE01D	C	
TTE01DED	48	
TTE01DHA	12	
TTE01DLE	18	
TTE01DLH	14	
TTE01DPL	1C	
TTE01DSI	10	
TTE01DTB	C	
TTE01DU	20	
TTE01DUA	44	
TTE01DU1	20	
TTE01DU2	24	
TTE01DU3	28	
TTE01DU4	2C	
TTE01DU5	30	
TTE01DU6	34	
TTE01DU7	38	
TTE01DU8	3C	
TTE01DU9	40	
TTE01E	C	
TTE01EED	40	
TTE01EHA	12	
TTE01ELE	18	
TTE01ELH	14	
TTE01EPL	1C	
TTE01ESI	10	
TTE01ETB	C	
TTE01EU	20	
TTE01EU1	20	
TTE01EU2	24	
TTE01EU3	28	
TTE01EU4	2C	
TTE01EU5	30	
TTE01EU6	34	
TTE01EU7	38	
TTE01EU8	3C	
TTE01F	C	
TTE01FED	40	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE01FHA	12	
TTE01FSI	10	
TTE01FTB	C	
TTE01FU	14	
TTE01FUA	38	
TTE01FUB	3C	
TTE01FU1	14	
TTE01FU2	18	
TTE01FU3	1C	
TTE01FU4	20	
TTE01FU5	24	
TTE01FU6	28	
TTE01FU7	2C	
TTE01FU8	30	
TTE01FU9	34	
TTE013	C	
TTE013ED	40	
TTE013HA	12	
TTE013LE	3C	
TTE013LH	34	
TTE013MC	28	
TTE013M1	28	
TTE013M2	2C	
TTE013PA	14	
TTE013PL	38	
TTE013PS	30	
TTE013PW	18	
TTE013P1	18	
TTE013P2	1C	
TTE013P3	20	
TTE013P4	24	
TTE013R1	10	
TTE013SA	16	
TTE013TB	C	
TTE015	C	
TTE015ED	48	
TTE015GF	28	
TTE015G0	2C	
TTE015G1	30	
TTE015HA	12	
TTE015LE	44	
TTE015LH	3C	
TTE015MW	38	
TTE015PA	14	
TTE015PL	40	
TTE015PS	34	
TTE015PW	18	
TTE015P1	18	
TTE015P2	1C	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE015P3	20	
TTE015P4	24	
TTE015R1	10	
TTE015SA	16	
TTE015TB	C	
TTE017	C	
TTE017AD	14	
TTE017ED	34	
TTE017FG	18	
TTE017FR	1C	
TTE017HA	12	
TTE017LE	30	
TTE017LH	28	
TTE017LP	10	
TTE017MW	24	
TTE017PL	2C	
TTE017PS	20	
TTE017R1	19	
TTE017TB	C	
TTE019	C	
TTE019AD	24	
TTE019ED	34	
TTE019HA	12	
TTE019LE	30	
TTE019LH	28	
TTE019PL	2C	
TTE019RB	18	
TTE019RT	14	
TTE019R1	10	
TTE019SB	1C	
TTE019SI	20	
TTE019TB	C	
TTE07F	C	
TTE07FAD	18	
TTE07FAE	28	
TTE07FCE	30	
TTE07FCI	1C	
TTE07FDE	1C	
TTE07FE	10	
TTE07FHA	12	
TTE07FHE	1E	
TTE07FIE	34	
TTE07FME	36	5
TTE07FMW	1E	5
TTE07FPA	14	
TTE07FPE	24	
TTE07FPI	1C	
TTE07FRB	1E	
TTE07FRE	36	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE07FRV	10	
TTE07FSA	16	
TTE07FSE	26	
TTE07FTB	C	
TTE07FTE	14	
TTE10A	C	
TTE10AED	38	
TTE10AHA	12	
TTE10AISC	1B	38
TTE10AISM	11	
TTE10ALE	34	
TTE10ALH	2C	
TTE10APA	14	
TTE10APL	30	
TTE10APW	1C	
TTE10AP1	1C	
TTE10AP2	20	
TTE10AP3	24	
TTE10AP4	28	
TTE10ASA	16	
TTE10ATB	C	
TTE10AU1	18	
TTE10AU1B3	1B	
TTE10AW0	C	
TTE10AW1	10	
TTE10AW2	14	
TTE10AW3	18	
TTE10F	C	
TTE10FAP	1E	
TTE10FED	2C	
TTE10FFN	1C	
TTE10FG0	20	
TTE10FG1	24	
TTE10FHA	12	
TTE10FLH	11	
TTE10FPT	28	
TTE10FPW	14	
TTE10FP1	14	
TTE10FP2	18	
TTE10FSF	10	
TTE10FTB	C	
TTE101	C	
TTE101AD	10	
TTE101CC	14	
TTE101DN	16	
TTE101ED	30	
TTE101FB	23	
TTE101F1	1C	
TTE101F2	1D	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE101HA	12	
TTE101IO	24	
TTE101LM	1E	
TTE101MI	20	
TTE101O2	1C	
TTE101O3	20	
TTE101PM	1F	
TTE101P2	22	
TTE101R1	15	
TTE101SSIDA	2C	
TTE101TB	C	
TTE101TK	28	
TTE101T1	28	
TTE101T2	29	
TTE101T3	2A	
TTE101UB	18	
TTE103	C	
TTE103CD	28	
TTE103ED	44	
TTE103HA	12	
TTE103LE	40	
TTE103LH	38	
TTE103PA	14	
TTE103PL	3C	
TTE103PW	18	
TTE103P1	18	
TTE103P2	1C	
TTE103P3	20	
TTE103P4	24	
TTE103R1	10	
TTE103SA	16	
TTE103SE	34	
TTE103SI	2C	
TTE103SP	30	
TTE103TB	C	
TTE105	C	
TTE105ED	30	
TTE105GF	24	
TTE105G0	28	
TTE105G1	2C	
TTE105HA	12	
TTE105PW	14	
TTE105P1	14	
TTE105P2	18	
TTE105P3	1C	
TTE105P4	20	
TTE105SN	10	
TTE105TB	C	
TTE20A	C	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE20ACC	11	
TTE20AED	38	
TTE20AHA	12	
TTE20AOP1HH	20	
TTE20AOP1LH	24	
TTE20AOP2HH	28	
TTE20AOP2LH	2C	
TTE20AOP2PHH	30	
TTE20AOP2PLH	34	
TTE20APFID	1C	
TTE20APFIDLOW	1E	
TTE20ARET@	14	
TTE20ATB	C	
TTE20ATRACEID	18	
TTE20AU1	18	
TTE20AU2	20	
TTE20AU3	24	
TTE20AU4	28	
TTE20AU5	2C	
TTE20AU6	30	
TTE20AU7	34	
TTE20AW0	C	
TTE20AW1	10	
TTE20AW10	34	
TTE20AW2	14	
TTE20AW3	18	
TTE20AW4	1C	
TTE20AW5	20	
TTE20AW6	24	
TTE20AW7	28	
TTE20AW8	2C	
TTE20AW9	30	
TTE20F	C	
TTE20FAP	32	
TTE20FED	38	
TTE20FFN	30	
TTE20FHA	12	
TTE20FLH	11	
TTE20FPA	14	
TTE20FPL	34	
TTE20FPT	28	
TTE20FPW	18	
TTE20FP1	18	
TTE20FP2	1C	
TTE20FP3	20	
TTE20FP4	24	
TTE20FR1	10	
TTE20FSA	16	
TTE20FSP	2C	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE20FTB	C	
TTE201	C	
TTE201AD	10	
TTE201AI	20	
TTE201CC	14	
TTE201DI	15	
TTE201DN	16	
TTE201ED	30	
TTE201HA	12	
TTE201IO	24	
TTE201IQ	1C	
TTE201SSIDA	2C	
TTE201TB	C	
TTE201TK	28	
TTE201T1	28	
TTE201T2	29	
TTE201T3	2A	
TTE201UB	18	
TTE203	C	
TTE203AD	3A	
TTE203AT	3C	
TTE203BA	2C	
TTE203CD	28	
TTE203CM	30	
TTE203ED	4C	
TTE203HA	12	
TTE203LE	48	
TTE203LH	40	
TTE203PA	14	
TTE203PL	44	
TTE203PW	18	
TTE203P1	18	
TTE203P2	1C	
TTE203P3	20	
TTE203P4	24	
TTE203RC	36	
TTE203R1	10	
TTE203R2	38	
TTE203R3	34	
TTE203SA	16	
TTE203TB	C	
TTE205	C	
TTE205CI	14	
TTE205ED	28	
TTE205HA	12	
TTE205SI	10	
TTE205TB	C	
TTE205U1	18	
TTE205U2	1C	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE205U3	20	
TTE205U4	24	
TTE30A	C	
TTE30ACC	11	
TTE30AED	38	
TTE30AHA	12	
TTE30AOP1HH	20	
TTE30AOP1LH	24	
TTE30AOP2HH	28	
TTE30AOP2LH	2C	
TTE30AOP2PHH	30	
TTE30AOP2PLH	34	
TTE30APFID	1C	
TTE30APFIDLOW	1E	
TTE30ARET@	14	
TTE30ATB	C	
TTE30ATRACEID	18	
TTE30AU1	18	
TTE30AU2	20	
TTE30AU3	24	
TTE30AU4	28	
TTE30AU5	2C	
TTE30AU6	30	
TTE30AU7	34	
TTE30AW0	C	
TTE30AW1	10	
TTE30AW10	34	
TTE30AW2	14	
TTE30AW3	18	
TTE30AW4	1C	
TTE30AW5	20	
TTE30AW6	24	
TTE30AW7	28	
TTE30AW8	2C	
TTE30AW9	30	
TTE301	C	
TTE301AD	10	
TTE301AI	20	
TTE301CC	14	
TTE301DI	15	
TTE301DN	16	
TTE301ED	30	
TTE301HA	12	
TTE301IO	24	
TTE301IQ	1C	
TTE301SSIDA	2C	
TTE301TB	C	
TTE301TK	28	
TTE301T1	28	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE301T2	29	
TTE301T3	2A	
TTE301UB	18	
TTE303	C	
TTE303CD	28	
TTE303ED	3C	
TTE303HA	12	
TTE303LE	38	
TTE303LH	30	
TTE303PA	14	
TTE303PB	2C	
TTE303PL	34	
TTE303PW	18	
TTE303P1	18	
TTE303P2	1C	
TTE303P3	20	
TTE303P4	24	
TTE303R1	10	
TTE303SA	16	
TTE303TB	C	
TTE401	C	
TTE401AD	10	
TTE401CC	14	
TTE401DI	15	
TTE401DN	16	
TTE401ED	28	
TTE401HA	12	
TTE401IO	1C	
TTE401SSIDA	24	
TTE401TB	C	
TTE401TK	20	
TTE401T1	20	
TTE401T2	21	
TTE401T3	22	
TTE401UB	18	
TTE403	C	
TTE403CD	28	
TTE403ED	40	
TTE403HA	12	
TTE403LE	3C	
TTE403LH	34	
TTE403PA	14	
TTE403PL	38	
TTE403PW	18	
TTE403P1	18	
TTE403P2	1C	
TTE403P3	20	
TTE403P4	24	
TTE403R1	10	

Table 507. Cross Reference for TTE (continued)

Name	Offset	Hex Tag
TTE403R2	30	
TTE403SA	16	
TTE403TA	32	
TTE403TB	C	
TTE403TT	2C	
TTE501	C	
TTE501CC	14	
TTE501DN	16	
TTE501ED	2C	
TTE501FC	15	
TTE501HA	12	
TTE501M1	1C	
TTE501M2	20	
TTE501QI	24	
TTE501SI	18	
TTE501TB	C	
TTE501UB	28	
TTE601	C	
TTE601AD	10	
TTE601CC	14	
TTE601DI	15	
TTE601DN	16	
TTE601ED	30	
TTE601HA	12	
TTE601IA	2C	
TTE601IO	20	
TTE601IQ	1C	
TTE601SSIDA	28	
TTE601TB	C	
TTE601TK	24	
TTE601T1	24	
TTE601T2	25	
TTE601T3	26	
TTE601UB	18	

Chapter 143. TXTFT Information

TXTFT Programming Interface Information

TXTFT is a programming interface.

TXTFT Heading Information

Common Name: C/I Text Format Mapping
Macro ID: IEFTXTFT
DSECT Name: TEXT
Owning Component: MVS Converter/Interpreter (SC1B9)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
Key: 1
Residency: ANY
Size: Variable
Created by: Converter
Pointed to by:
- Register 1, Word 2 on entry to JES2 Exit 6
- Register 1, Word 1 on entry to JES3 Exit IATUX03

Serialization: None
Function: This Macro is used to map the Converter Interpreter (C/I) text string, generated by the MVS Converter.

TXTFT mapping

Table 508. Structure TEXT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	TEXT	
THE FOLLOWING FIELDS ARE COMMON TO ALL TEXT STRING TYPES.					
0	(0)	CHARACTER	2	STRLTH	LENGTH OF TEXT STRING.
2	(2)	CHARACTER	1	STRINDCS	STATEMENT TYPE AND MISCELLANEOUS INDICATORS
		1		JOBSTR	"X'01'" JOB STATEMENT TEXT STRING
		.... ..1.		EXECSTR	"X'02'" EXEC STATEMENT TEXT STRING
		.... .1..		DDSTR	"X'04'" DD STATEMENT TEXT STRING
		.... 1...		PROCSTR	"X'08'" PROC STATEMENT TEXT STRING
		...1		LASTSTMT	"X'10'" LAST STMT FOR THIS STEP.
		..1.		JDVBSTR	"X'20'" JDT-DEFINED VERB STRING
		.1..		JDTJCL	"X'40'" JDT-DEFINED JCL APPEARS IN THIS STATEMENT
		1...		STRINDE	"X'80'" INDICATES THE EXTENDED STATEMENT BYTES ARE PRESENT IN THE TEXT PREFIX
3	(3)	CHARACTER	2	STRINDCE(0)	EXTENDED STATEMENT TYPE FIELDS
3	(3)	CHARACTER	1	STRINDC1	EXTENDED STATEMENT TYPE FIELD 1

Table 508. Structure TEXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		IFSTR	"X'80'" IF STATEMENT TEXT STRING
		.1..		ELSESTR	"X'40'" ELSE STATEMENT TEXT STRING
		..1.		ENDIFSTR	"X'20'" ENDIF STATEMENT TEXT STRING
4	(4)	CHARACTER	1	STRINDC2	EXTENDED STATEMENT TYPE FIELD 2
FORMAT FOR JOB TEXT STRING 2 1 1 1 1 1 STRLTH STRINDCS STRJINDC STRJIND2 STRJLABD STRJKEY 2 1 1 1 1 1					
3	(3)	CHARACTER	1	STRJINDC	JOB INDICATORS
		1		JTXACCTN	"X'01'" ACCT NO. REQUIRED.
		.... ..1.		JTXPROGN	"X'02'" PROGRAMMER NAME REQUIRED.
		.... .1..		JTXJOBFL	"X'04'" JOB HAS BEEN FAILED.
		.... 1...		JTXSYSCK	"X'08'" JOB HAS SYSCHK DD.
		...1		JTXCPSTF	"X'10'" C/R - FLUSH TO RESTART STEPNAME.
		..1.		JTXMHEDR	"X'20'" MESSAGE HEADER HAS BEEN WRITTEN.
		.1..		JTXREGDF	"X'40'" REGION VALUE IS A DEFAULT.
		1...		JTXJDJCL	"X'80'" JDT-DEFINED JCL APPEARS IN THIS JOB'S JCL
4	(4)	CHARACTER	1	STRJIND2	BYTE 2 OF JOB TEXT INDICATORS.
		1		JDJCLERR	"X'01'" JDT-DEFINED JCL ERROR IN THIS JOB'S JCL
		.... ..1.		JBXA	"X'02'" USER SWA ABOVE INDICATOR
		.... .1..		JTXJCLV	"X'04'" INDICATES JCL VERSION NUMBER CONTAINED IN JOB TEXT, STATEMENT NUMBER IN TEXT AND JDT DEFINED KEYS IN TEXT
5	(5)	CHARACTER	1	STRJLABD	BYPASS LABEL PROCESSING DEFAULT.
ENTIRE BYTE IS USED, AS IEFVDA OR'S BYTE DIRECTLY INTO JFCB.					
		1		JTXLABNL	"X'01'" DEFAULT IS NO LABEL.
		...1		JTXLABLP	"X'10'" DEFAULT IS BYPASS LABEL PROCESSING.
END OF JOB TEXT STRING PREFIX					
6	(6)	CHARACTER	1	STRJKEY(0)	VERB KEY FOR JOB TEXT STRING
6	(6)	X'6'	0	STRJPFXL	"STRJKEY-TEXT" LENGTH OF JOB TEXT STRING PREFIX
FORMAT FOR EXEC/PROC TEXT STRINGS 2 1 1 1 STRLTH STRINDCS STREINDC STREKEY					
3	(3)	CHARACTER	1	STREINDC	EXEC INDICATORS.
		1		ETXCPFLG	"X'01'" CHECKPT/RESTART EXEC STMT.
		.... ..1.		ETXSTPCT	"X'02'" STEP HAS A STEPCAT DD.
		.... .1..		ETXSTPLB	"X'04'" STEP HAS A STEPLIB DD.
		.... 1...		ETXPROC	"X'08'" STATEMENT IS FROM A PROC.

Table 508. Structure TEXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		ETXNODD	"X'10'" STEP HAS NO DD STATEMENTS.
		..1.		ETXPRCV	"X'20'" STATEMENT INVOKES A PROCEDURE.
		.1..		ETXCOVR	"X'40'" COND key - override processing
END OF EXEC/PROC TEXT STRING PREFIX					
4	(4)	CHARACTER	1	STREKEY(0)	VERB KEY FOR EXEC/PROC TEXT STRING
4	(4)	X'4'	0	STREPFXL	"STREKEY-TEXT" LENGTH OF EXEC/PROC TEXT STRING PFX
FORMAT FOR DD TEXT STRINGS 2 1 1 1 STRLTH STRINDCS STRDINDC STRDKEY					
3	(3)	CHARACTER	1	STRDINDC	DD TEXT STRING INDICATORS.
		1		DTXDUMMY	"X'01'" DUMMY OR DSN=NULLFILE SPECIFIED ON DD AND NOT OVERRIDDEN
		.... ..1.		DTXDDNM	"X'02'" DDNAME= SPECIFIED ON STATEMENT.
		.... .1..		DTXDSNLT	"X'04'" DSNAME SPECIFIED AS A LITERAL.
		.... 1...		DTXDYNAM	"X'08'" DYNAM SPECIFIED ON STATEMENT.
		...1		DTXSYSIN	"X'10'" TEXT IS FOR A SPOOLED DATA SET.
		..1.		DTXSYOUT	"X'20'" TEXT IS FOR A SYSOUT DATASET
		.1..		DTXSUBSK	"X'40'" SUBSYS= SPECIFIED ON STMT
		1...		DTXPROC	"X'80'" STATEMENT IS FROM A PROC.
END OF DD TEXT STRING PREFIX					
4	(4)	CHARACTER	1	STRDKEY(0)	VERB KEY FOR DD TEXT STRING
4	(4)	X'4'	0	STRDPFXL	"STRDKEY-TEXT" LENGTH OF DD TEXT STRING PREFIX
FORMAT FOR JDT-DEFINED VERB TEXT STRINGS 2 1 1 1 STRLTH STRINDCS STRSINDC STRSKEY					
3	(3)	CHARACTER	1	STRSINDC	JDT-DEFINED TEXT STRING FLAGS
		1...		JDXPROC	"X'80'" STATEMENT IS FROM A PROC.
		.1..		JDGENST	"X'40'" STATEMENT IS GENERATED
		..1.		JDRGENST	"X'20'" STATEMENT IS REGENERATED
END OF JDT-DEFINED TEXT STRING PREFIX					
4	(4)	CHARACTER	1	STRSKEY(0)	VERB KEY FOR JDT TEXT STRING
4	(4)	X'4'	0	STRSPFXL	"STRSKEY-TEXT" LENGTH OF JDT-DEFINED VERB TEXT STRING PREFIX

Table 508. Structure TEXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
FORMAT FOR IF, THEN AND ELSE TEXT STRINGS PREFIX 2 1 2 1 STRLTH STRINDCS STRINDCE STRIKEY					
5	(5)	CHARACTER	1	STRIKEY(0)	VERB KEY FOR IF, THEN AND ELSE
END OF IF, THEN AND ELSE TEXT STRING PREFIX					
5	(5)	X'5'	0	STRIPFXL	"STRIKEY-TEXT" LENGTH OF IF, THEN AND ELSE TEXT STRING PREFIX

Table 509. Cross Reference for TXTFT

Name	Offset	Hex Tag
DDSTR	2	4
DTXDDNM	3	2
DTXDSNLT	3	4
DTXDUMMY	3	1
DTXDYNAM	3	8
DTXPROC	3	80
DTXSUBSK	3	40
DTXSYOUT	3	20
DTXSYSIN	3	10
ELSESTR	3	40
ENDIFSTR	3	20
ETXCOVR	3	40
ETXCPFLG	3	1
ETXNODD	3	10
ETXPRCV	3	20
ETXPROC	3	8
ETXSTPCT	3	2
ETXSTPLB	3	4
EXECSTR	2	2
IFSTR	3	80
JBXA	4	2
JDGENST	3	40
JDJCLERR	4	1
JDRGENST	3	20
JDTJCL	2	40
JDVBSTR	2	20
JDXPROC	3	80
JOBSTR	2	1
JTXACCTN	3	1
JTXCPSTF	3	10
JTXJCLV	4	4
JTXJDJCL	3	80
JTXJOBFL	3	4
JTXLABLP	5	10
JTXLABNL	5	1
JTXMHEDR	3	20
JTXPROGN	3	2

Table 509. Cross Reference for TXTFT (continued)

Name	Offset	Hex Tag
JTXREGDF	3	40
JTXSYSCK	3	8
LASTSTMT	2	10
PROCSTR	2	8
STRDINDC	3	
STRDKEY	4	
STRDPFXL	4	4
STREINDC	3	
STREKEY	4	
STREPFXL	4	4
STRIKEY	5	
STRINDCE	3	
STRINDCS	2	
STRINDC1	3	
STRINDC2	4	
STRINDE	2	80
STRIPFXL	5	5
STRJINDC	3	
STRJIND2	4	
STRJKEY	6	
STRJLABD	5	
STRJPFXL	6	6
STRLTH	0	
STRSINDC	3	
STRSKEY	4	
STRSPFXL	4	4
TEXT	0	

Chapter 144. UCB Information

UCB Programming Interface Information

ONLY the following fields are part of the programming interface information:

- UCBALOC
- UCBASID
- UCBAUTOS
- UCBCHAN
- UCBCHGS
- UCBCLEXT
- UCBDADI
- UCBDUMMY
- UCBDVCLS
- UCBID
- UCBMTPXP
- UCBNOCON
- UCBNRY
- UCBONLI
- UCBPRES
- UCBPUB
- UCBRESV
- UCBREW
- UCBSTND
- UCBSYSR
- UCBTBYT1
- UCBTBYT2
- UCBTBYT3
- UCBTBYT4
- UCBTYP
- UCBUNLD
- UCBUNTYP
- UCBVRDEV

UCB Heading Information

Common Name: UCB Mapping Macro
Macro ID: IEFUCBOB
DSECT Name: UCB
Owning Component: IOS (SC1C3)
Eye-Catcher ID:

```
'FF'X
Offset:  3 BYTES FROM THE BEGINNING OF THE UCB COMMON
SEGMENT
Length:  1 BYTE
```

UCB Heading Information

Storage Attributes:
```
Subpool:   245 (SQA/ESQA).
255 (LSQA) for UCBs captured in private.
Key:       0
Residency: ABOVE or BELOW depending on the device
definition. A particular UCB resides
above 16Mb if the device type supports
UCBs above 16Mb and the installation
defines the UCB to reside above 16Mb.
(Captured UCBs reside below 16Mb.)
If a UCB resides above 16Mb, the following shows
the parts of the UCB and indicates if they are
captured or not when the UCB is captured.
UCB Common Extension         - Captured              -
UCB Prefix Stub              - Captured              -
UCB Common Segment           - Captured              -
UCB Device Dependent Segment - Captured              -
Device Dependent Extension   - Not Captured          -
Device Class Extension       - Captured unless UIM
specified DCE as shared
or DCE can reside
in 31 bit storage
independent of LOCANY
```

Size:
```
Device Class Extension      : 0 to 256 bytes
UCB Common Extension        : 32 bytes for all devices
UCB Prefix Stub             : 8 bytes for all devices
UCB Common Segment          : 24 bytes for all devices
UCB Device Dependent Segment: 0 to 24 bytes for below
16Mb devices. No limit on the size for above 16Mb devices
Device Dependent Extension  : 0 to 40 bytes
```

Created by:
```
IEAIPL03 IOSVCMUB
```

Pointed to by:
```
-The UCB common segment address can be obtained by
invoking UCBLOOK or UCBSCAN.
-The UCB common extension address can be obtained by
invoking IOSCMXR, IOSCMXA, UCBLOOK UCBCXPTR or
UCBSCAN UCBCXPTR.
-The UCB address located from the UCB chain field points
to the UCB common segment.
-The common segment of the first STATIC/INSTALLATION STATIC,
3-digit, below 16Mb UCB is pointed to by the CVTUCBA
field of the CVT. The UCBNXUCB field of the UCB common
segment points to the next STATIC/INSTALLATION STATIC,
3-digit, below 16Mb UCB on the chain.
-The Device Class Queue (DCQ) is pointed to by the
CVTDCQA field in the CVT. The first STATIC/INSTALLATION
STATIC, 3-digit, below 16Mb UCB within the device class
is pointed to by the DCQUCBAD field.
-DEBUCBAD field of the DEB
-DDRFMUCB field of the DDRCOM data area
-DDRTOUCB field of the DDRCOM data area
-IOSUCB   field of the IOSB data area
-IOQUCB   field of the IOQ data area
-JESUNITS field of the JESCT data area
-PCCACHUB field of the PCCA data area
(channel-detected error UCB)
-RQEUCB   field of the RQE data area
-SSDRSFRU field of the SSDR data area
-SSDRSTOU field of the SSDR data area
-TCCWUCB  field of the TCCW data area
-TCTUCBP  field of the TCT data area
-TIOEFSRT field of the TIOT data area
```

Serialization: UCB lock, compare and swap logic, ENQ on
major SYSIEFSD minor Q4.
The method used is field dependant.

Function: This mapping describes the control block required to define an I/O device to the system.
The UCB contains all the information necessary for the device to be used for performing I/O requests and records the status of a physical I/O device represented by a subchannel.
The UCB describes the characteristics of a device to the operating system. The UCB is used by the I/O supervisor in performing I/O requests, and the job scheduler during allocation of the device. There is a UCB for each device defined in the I/O configuration. The hardware configuration definition (HCD) stores the device definition data in an I/O definition file (IODF).

UCB mapping

Table 510. Structure UCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
-512	(-200)	STRUCTURE	0	UCB	, UCBPTR-512 (Where UCBPTR points to UCBOB)
0	(0)	X'0'	0	UCBBGN	"*"
-512	(-200)	SIGNED	4	(126)	Reserved
-512	(-200)	X'1F8'	0	UCBPXST	"*" PREFIX stub
		Prefix Stub UCB lock word and pointer to the active IOQ element			
-8	(-8)	SIGNED	4	UCBLOCK	Device lock word
-4	(-4)	ADDRESS	4	UCBIOQ	Address of last queuing element started, halted, or cleared for this device. This field contains a valid address only when UCBSTRT, UCBHALT, or UCBCLEAR are set on.
-4	(-4)	X'8'	0	UCBCURPX	"*-UCBPXST" Actual prefix stub data length
-4	(-4)	X'200'	0	UCBPRFX	"*-UCB" Total prefix area length for prefix addressability
		UCB common segment			
0	(0)	SIGNED	4	UCBOB(0)	
0	(0)	X'200'	0	UCBCMSEG	"*" Start of common segment
0	(0)	BITSTRING	1	UCBJBNR	Flag byte
		Fields and flags used by allocation, access methods, etc.			
		1...		UCBVRDEV	"X'80'" UCB for VIO device
		.1..		UCBJES3	"X'40'" All volume mounting and device management for this device is controlled by JES3
		..1.		UCBDUC	"X'20'" Display device unit check detected during IPL
		...1		UCBJ3DV	"X'10'" Device is defined to JES3

Table 510. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		UCBOLDSM	"X'08'" OLTEP communicating directly with the Mass Storage Control (MSC), not through the Mass Storage System Communicator (MSSC)
		.... .1..		UCBMMSGP	"X'04'" Mount message pending. The device has been selected by device allocation, but no mount message has been issued.
		.... ..1.		UCBDCONS	"X'02'" Disabled console support controls this console.
		1		UCBMONT	"X'01'" Volume to be mounted is to be retained or contains a passed data set (Set by device allocation or data management)
1	(1)	BITSTRING	1	UCBFL5	Flags
		1...		UCBDCC	"X'80'" Disconnect command chain device
		.1..		UCBAF	"X'40'" Attention for this console device is to be processed by the communications task
		.1..		UCBAMV	"X'40'" Successful comparison checking of the access method catalog and the VTOC (VSAM direct access devices only)
		..1.		UCBSMS	"X'20'" Data management flag
		...1		UCBVSDR	"X'10'" Device has variable length SDRs
		.... 1...		UCBENVRD	"X'08'" Device returns environmental data
		.... .1..		UCBNALOC	"X'04'" This offline device is being used by a system component. The device status must not change to online nor will it be allocated. The last path to the device must not be VARY'ed offline. The device is unavailable for usage by another system component which processes offline devices.
		.... ..1.		UCBALTCU	"X'02'" Device has an alternate control unit address
		1		UCBCUIR	"X'01'" Indicates whether the device is offline due to CUIR
UCB identification byte - contains hex FF					
2	(2)	BITSTRING	1	UCBID	UCB identification (FF)
		1111 1111		UCBSTND	"X'FF'" UCB identifier
		11.. 11..		UCBIDCPY	"X'CC'" UCB identifier for a UCB copy
		...1 ...1		UCBGUCB	"X'11'" UCB identifier for UCBs that are on the UCB chain, but have been changed from static to dynamic. These UCBs are invalid.

Table 510. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1 ..1.		UCBST1	"X'12'" UCB identifier for UCBs that are used exclusively by IOS
		1111 11.1		UCBST3	"X'FD'" UCB identifier for UCBs that are used exclusively by IOS
Device status flags controlled by allocation, access methods, etc					
3	(3)	BITSTRING	1	UCBSTAT	Device status
		1...		UCBONLI	"X'80'" Device is online
		.1..		UCBCHGS	"X'40'" Device status is to be changed from online to offline, and either allocation is enqueued on devices or the device is allocated. (Bit 0 is also on.)
		..1.		UCBRESV	"X'20'" The mount status of the volume on this device is reserved
		...1		UCBUNLD	"X'10'" Unload operator command has been addressed to this device. The device is not yet unloaded.
		.... 1...		UCBALOC	"X'08'" Device is allocated. For auto-switchable devices, this bit indicates that the device WAS allocated by some system in the SYSPLEX at the time that Allocation last obtained the SYSPLEX allocation status. If field UCBASID is zero, the device is either allocated on another system or not allocated at all. To determine if the device is CURRENTLY allocated on the current system, check: UCBALOC equal ON AND UCBASID not equal zero.
		.... .1..		UCBPRES	"X'04'" The mount status of the volume on this device is permanently resident
		.... ..1.		UCBSYSR	"X'02'" System residence device or primary console or active console
		1		UCBDADI	"X'01'" Standard tape labels have been verified for this tape volume or secondary console or console status changing
Binary device number					
4	(4)	SIGNED	2	UCBCHAN	Binary device number
IOS startability flags					
6	(6)	BITSTRING	2	UCBSFLS(0)	Device status flags
6	(6)	BITSTRING	1	UCBFLA	I/O supervisor flag byte A
6	(6)	X'206'	0	UCBFL1	"UCBFLA" Alias

Table 510. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		UCBDEFER	"X'80'" This device is temporarily unusable. All I/O requests will be queued until UCBDEFER is reset.
		.1..		UCBNRY	"X'40'" Device not ready
6	(6)	X'40'	0	UCBNOTRD	"UCBNRY" Alias
		..1.		UCBPERM	"X'20'" The subchannel for this device is unusable.
		...1		UCBPSNS	"X'10'" Pending sense operation
		.... 1...		UCBSTRT	"X'08'" IOS has issued a start subchannel and received condition code 0. If UCBHALT and UCBCLEAR are both off, then UCBIOQ contains the address of the IOQ for this I/O request. The bit is turned off when the requestor is to be notified that the request is complete.
		.... .1..		UCBHALT	"X'04'" IOS has issued a halt subchannel and received condition code 0. If UCBCLEAR is off, then UCBIOQ contains the address of the IOQ associated with the halt request. The bit is turned off when the halt interrupt occurs.
		.... ..1.		UCBCLEAR	"X'02'" IOS has issued a clear subchannel and received condition code 0. UCBIOQ contains the address of the IOQ associated with the clear request. The bit is turned off when the clear interrupt occurs.
		1		UCBBOX	"X'01'" This device has been forced offline due to an error
7	(7)	BITSTRING	1	UCBFLB	I/O supervisor flag byte B
		1...		UCBINCPT	"X'80'" An intercept condition exists requiring ERP processing and will be given to the next normal I/O request to the device. Intercept conditions are a result of: 1) A secondary interruption status with unit check and/or unit exception set, 2) an unsolicited interruption status with unit check and attention or device end set and the attention table entry indicates intercept, or 3) an unsolicited interruption status with unit check and the device-dependent EOS exit requests intercept.

Table 510. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		UCBNOPTH	"X'40'" Device has no operational paths. The bit is turned off when an unsolicited interrupt occurs or is simulated.
		..1.		UCBNOCON	"X'20'" Device is not connected to a subchannel
		...1		UCBHILVL	"X'10'" Non-normal UCBLEVEL value has been set
		.... 1...		UCBHDET	"X'08'" HOT-I/O detected, device boxed or not recovered yet
		.... .1..		UCBIOSN	"X'04'" I/O deferred waiting on synchronization I/O to complete
		EQU X'02' Reserved - set to zero			
		EQU X'01' Reserved - set to zero			
		Pointer to the next UCB on the UCB chain			
8	(8)	ADDRESS	4	UCBNXUCB	Address of the next UCB on the UCB chain
12	(C)	BITSTRING	1	UCBWGT	Flags
		1...		UCBIN	"X'80'" SYSIN
		.1..		UCBOUT	"X'40'" SYSOUT
		..1.		UCBPUB	"X'20'" Assumed that this device will be allocated for a public volume request
		...1		UCBREW	"X'10'" Rewind command has been addressed to this magnetic device by I/O support
		.... 1...		UCBMTPXP	"X'08'" Parallel access volume
		.... .1..		UCBVORSN	"X'04'" Vary command operator reason indicator
		.... ..1.		UCBVHRSN	"X'02'" Vary command hierarchy reason indicator
		1		UCBVLRSN	"X'01'" Vary command library reason indicator
13	(D)	CHARACTER	3	UCBNAME	Device number (EBCDIC)
		UCBTYP field - 4 bytes of device unique data			
16	(10)	BITSTRING	4	UCBTYP(0)	Device type
16	(10)	BITSTRING	1	UCBTBYT1	Model bits
		1...		UCB1FEA0	"X'80'" Bit 0
		.1..		UCB1FEA1	"X'40'" Bit 1
		..1.		UCB1FEA2	"X'20'" Bit 2
		...1		UCB1FEA3	"X'10'" Bit 3
		.... 1...		UCB1FEA4	"X'08'" Bit 4
		.... .1..		UCB1FEA5	"X'04'" Bit 5
		.... ..1.		UCB1FEA6	"X'02'" Bit 6
		1		UCB1FEA7	"X'01'" Bit 7
17	(11)	BITSTRING	1	UCBTBYT2	Option flags
		1...		UCB2OPT0	"X'80'" Flag 0
		.1..		UCB2OPT1	"X'40'" Flag 1
		..1.		UCB2OPT2	"X'20'" Flag 2
		...1		UCB2OPT3	"X'10'" Flag 3
		.... 1...		UCB2OPT4	"X'08'" Flag 4

Table 510. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		UCB2OPT5	"X'04'" Flag 5
		.... ..1.		UCB2OPT6	"X'02'" Flag 6
		.... ..1.		UCBVLPWR	"X'02'" Volume requires alternate power source device
		1		UCB2OPT7	"X'01'" Flag 7
		1		UCBDVPWR	"X'01'" Device has alternate power source
18	(12)	BITSTRING	1	UCBDVCLS(0)	Same as UCBTBYT3
18	(12)	BITSTRING	1	UCBTBYT3	Class bits
		1...		UCB3TAPE	"X'80'" Tape
		.1..		UCB3COMM	"X'40'" Communications
		.1.. ...1		UCB3CTC	"X'41'" Channel-to-channel adapter
		..1.		UCB3DACC	"X'20'" Direct access
		...1		UCB3DISP	"X'10'" Display
		.... 1...		UCB3UREC	"X'08'" Unit record
		.... .1..		UCB3CHAR	"X'04'" Character reader
		.... ..1.		UCBRSV10	"X'02'" Reserved
		1		UCBRSV11	"X'01'" Reserved
19	(13)	CHARACTER	1	UCBUNTYP(0)	Same as UCBTBYT4
19	(13)	CHARACTER	1	UCBTBYT4	Device code
20	(14)	ADDRESS	4	UCBEXTPT(0)	Address of UCB common extension (Valid only for AMODE 24 modules and for UCBs which are defined below 16 Mb) IBM recommends using UCBLOOK to obtain the address of the UCB common extension.
	I/O Supervisor flag byte				
20	(14)	BITSTRING	1	UCBFLC	I/O supervisor flag byte C
		1...		UCBATTP	"X'80'" Attention pending
		.1..		UCBITFP	"X'40'" Intercept condition pending
		..1.		UCBUDE	"X'20'" Unsolicited device end received
	EQU X'10' Reserved - set to zero				
		.... 1...		UCBIVRS	"X'08'" Intervention required message issued
		.... .1..		UCBIVRR	"X'04'" Intervention required message is needed
	EQU X'02' Reserved - set to zero				
		1		UCBDDRSW	"X'01'" DDR switch pending on this device
21	(15)	ADDRESS	3	UCBEXTP	Address of UCB common extension (Valid only for UCBs which are defined below 16Mb) IBM recommends using UCBLOOK to obtain the address of the UCB common extension.
21	(15)	X'200'	0	SRTEJBNR	"UCBJBNR" Alias
21	(15)	X'1'	0	SRTEMNT	"UCBMONT" Alias

Table 510. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
21	(15)	X'203'	0	SRTESTAT	"UCBSTAT" Alias
21	(15)	X'80'	0	SRTEONLI	"UCBONLI" Alias
21	(15)	X'40'	0	SRTECHGS	"UCBCHGS" Alias
21	(15)	X'20'	0	SRTERESV	"UCBRESV" Alias
21	(15)	X'10'	0	SRTEUNLD	"UCBUNLD" Alias
21	(15)	X'8'	0	SRTEALOC	"UCBALOC" Alias
21	(15)	X'4'	0	SRTEPRES	"UCBPRES" Alias
21	(15)	X'2'	0	SRTESYSR	"UCBSYSR" Alias
21	(15)	X'1'	0	SRTEDADI	"UCBDADI" Alias
21	(15)	X'206'	0	UCBFL2	"UCBFL1" Alias
UCB device-dependent segments start at label UCBDEV					
21	(15)	X'218'	0	UCBDEV	"*"

Table 511. Structure UCBCMEXT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCBCMEXT	
0	(0)	SIGNED	1	UCBETI	A binary number used by the exit effector routine to complete the 8-byte name of an IBM-supplied error routine for this device
1	(1)	SIGNED	1	UCBSTI	Increment which, when multiplied by 10, becomes an index to the statistics table (STATAB)
2	(2)	BITSTRING	1	UCBFL6	Device features byte
		1...		UCBASUN	"X'80'" Assign/unassign commands supported
		.1..		UCBMDISP	"X'40'" Device has message display
		..1.		UCBDBUF	"X'20'" Data is buffered prior to storing on permanent media
		...1		UCBIDS	"X'10'" Block ID supported on this device
		.... 1...		UCBSELFD	"X'08'" Indicates whether the device supports self description
		.... .1..		UCBSMSMM	"X'04'" Indicates that the device is a SMS managed mountable device
		.... ..1.		UCBLERP	"X'02'" Flag indicating that basic and intermediate ERP are supported for this device.
		1		UCBIOT	"X'01'" Flag indicating that the I/O timing functions are supported for this device
3	(3)	SIGNED	1	UCBATI	Index to the attention table (ANTAB) or optional job entry subsystem (JES) flag byte
		1...		UCBRSV04	"X'80'" Reserved
		.1..		UCBRSV05	"X'40'" Reserved
		..1.		UCBRSV06	"X'20'" Reserved
		...1		UCBRSV07	"X'10'" Reserved
		.... 1...		UCBRSV08	"X'08'" Reserved

Table 511. Structure UCBCMEXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		UCBRSV09	"X'04'" Reserved
		.... ..1.		UCBHALI	"X'02'" Optional job entry subsystem (JES) allocation indicator
		1		UCBHPDV	"X'01'" Optional job entry subsystem (JES) pseudo-device
4	(4)	SIGNED	1	UCBSNSCT	Count of sense bytes presented by this device
5	(5)	BITSTRING	1	UCBFLP1	Flag byte
		1...		UCBNSRCH	"X'80'" The currently allocated volume was specifically requested by volume serial number. It is not available for assignment by open/EOV for a non-specific volume request.
		.1..		UCBSHRUP	"X'40'" Shareable when in uniprocessor mode
		..1.		UCBRERP	"X'20'" Resident error routine
		...1		UCBINHIO	"X'10'" Inhibit halt subchannel from SVC 33
		.... 1...		UCBSWAPF	"X'08'" With bit set, the device is able to be swapped
		.... .1..		UCBERLOG	"X'04'" Indicates presence of an error log in a device
		.... ..1.		UCBDYNPH	"X'02'" If 1,dynamic pathing availability is an optional feature for this device
		1		UCBRALOC	"X'01'" Allocations to this device are restricted
6	(6)	CHARACTER	1	UCBSTLI	Statistics table lookup index
7	(7)	BITSTRING	1	UCBFL7	Miscellaneous usage flags
		1...		UCBMASGN	"X'80'" Multi-system assign done
		.1..		UCBSSPND	"X'40'" Suspended channel program
		..1.		UCBAUTOS	"X'20'" Device is auto-switchable
		...1		UCBNOSEL	"X'10'" Allocation should attempt to select a different device
		.... 1...		UCBEIDAW	"X'08'" 4K 8Byte IDAWs supported by device support code
		.... .1..		UCBASAFH	"X'04'" This device is assigned to a foreign host
		.... ..1.		UCBPRUN	"X'02'" This tape device is in unallocation processing - vary offline should not take it offline at this time. Unallocation recovery also uses this flag to know when UCB cleanup might still need to be done.
		1		UCBPONLI	"X'01'" For use by Allocation only
8	(8)	ADDRESS	4	UCBIEXT	Pointer to IOS UCB extension

Table 511. Structure UCBCMEXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	BITSTRING	1	UCBCHPRM	Channel path recovery mask
13	(D)	SIGNED	1	UCBSATI	Attention table index saved by the scheduler
14	(E)	SIGNED	2	UCBASID	ASID of the memory to which this device is allocated with the following exceptions: o For unallocated tape, the ASID of the last memory to which this device was allocated. o For auto-switchable devices, UCBASID will be zero when the device is not allocated to the current system.
16	(10)	SIGNED	4	UCBWTOWD(0)	WTO word
16	(10)	BITSTRING	1		Reserved
17	(11)	CHARACTER	3	UCBWTOID	WTO message identifier
20	(14)	ADDRESS	4	UCBDDT(0)	Address of device descriptor table (DDT) associated with UCB
20	(14)	SIGNED	2	UCBDDTI	Contains DDT name list index during IPL processing
22	(16)	SIGNED	2		Remainder of DDT address
24	(18)	ADDRESS	4	UCBCLEXT	Pointer to device class extension. IBM recommends using IOSDCXR to obtain the address of the device class extension.
28	(1C)	SIGNED	2	UCBDCTOF	Device connect time Overflow counter
30	(1E)	BITSTRING	1	UCBCSFLG	Miscellaneous flags which should be serialized by compare and swap.
		1...		UCBNCC3	"X'80'" Indicates that IOS marked the device offline during NIP because at least one path was found not operational. Used to determine if an XCF CTC should be marked online by IECVIOPM
		.1..		UCBHSWAP	"X'40'" The device is enabled for Hyperswaps
		..1.		UCBDRSN	"X'20'" Indicates that the device is offline by request of the device service exit (function call 1).
		...1		UCBALLFC	"X'10'" Indicates if all channels to the device are Ficon channels. (i.e. Channel type is FICON POINT TO POINT, FICON SWITCHED, or FICON INCOMPLETE.)
		.... 1...		UCBONEFC	"X'08'" Indicates if at least one of the device's channels is Ficon.

Table 511. Structure UCBCMEXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		UCBCNPTH	"X'04'" Indicates that a no operational paths condition exists. This bit will be set by IOSVIRBU when an unsolicited interrupt is received and UCBNOPTH is on. It will be reset when unsolicited interrupt processing is complete.
		.... ..1.		UCBMIDAW	"X'02'" Indicates that MIDAWs are supported for this device. Programs should check this bit each time they build a channel program because it may change between I/O requests.
		1		UCBFCX	"X'01'" Indicates that FICON Channel Extensions (FCX) (i.e., High Performance FICON) is supported for this device
30	(1E)	X'1'	0	UCBZHPF	"UCBFCX" Alternate name for UCBFCX
31	(1F)	BITSTRING	1	UCBFL8	Miscellaneous usage flags
		1...		UCBSPECL	"X'80'" Indicates that a device is marked as special. This will be used to define non-PAV aliases in the alternate Subchannel Set.
		.1..		UCBSCDRY	"X'40'" Indicates that a device is a secondary device in the alternate Subchannel Set. Note: UCBSPECL must be on if this indicator is on
		..1.		UCBPRRSN	"X'20'" Indicates that the device is boxed because it is a primary in the wrong subchannel set as of the last DSE1
		...1		UCBSMRSN	"X'10'" Indicates that the device is offline because it is a simplex in the wrong subchannel set as of the last DSE1
		.... 1...		UCBCMONR	"X'08'" Monitoring is required for this device.

Table 512. Structure UCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	CHARACTER	4	UCBVTOC	Relative address of VTOC for this volume, in form TTR0
540	(21C)	CHARACTER	6	UCBVOLI	Volume serial number
546	(222)	BITSTRING	1	UCBSTAB	Volume status
		1...		UCBBSVL	"X'80'" Volume demountable by data management (direct access)

Table 512. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		UCBDVSHR	"X'80'" Device not shareable among several CPUs (3420 magnetic tape devices only)
		.1..		UCBPGFL	"X'40'" UCB is open and is being used as a page file
		..1.		UCBPRSRS	"X'20'" During volume attribute processing this bit is used both to denote UCBs that were marked permanently resident prior to getting control and to identify devices that were selected by the operator for mounting volumes (direct access)
		..1.		UCBBALB	"X'20'" Additional volume label processing (tape)
		...1		UCBBPRV	"X'10'" Private - volume use status
		.... 1...		UCBBPUB	"X'08'" Public - volume use status
		.... .1..		UCBBSTR	"X'04'" Storage - volume use status (direct access) The volume mounted has an American National Standard Label (tape)
		.... ..1.		UCBSHAR	"X'02'" Volume shareable among job steps
		1		UCBBNUL	"X'01'" Control volume - A catalog data set is on this volume (direct access). If the multiple console support option is in the system, demount or mount messages have been issued and the message ID's are at offsets 40 through 45. Open will delete the messages and turn this bit off. (tape)
547	(223)	BITSTRING	1	UCBDMCT	Volume use byte

Table 512. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		UCBMOUNT	"X'80'" If 0, a mount verification has been performed. If 1, a mount request has been issued. (direct access) For tape, the following meanings apply. Normal scheduler processing - If 0, no volume has been mounted. If 1, a volume has been mounted but no volume label processing has been performed. SL open routine - If 0, standard volume label and correct serial number have been verified. If 1, volume label is not standard format or serial number is not correct. (A mount message has been issued.) NSL open routine - If 0, non-standard volume label has been verified. If 1, volume label is not standard format. (Control passes to the processing program's non-standard label processing routine.) Volume label is standard format. (Control remains with the open routine. A mount message has been issued.) BLP open routine - If 0, volume label has not been processed.
		.111 1111		UCBDMC	"X'7F'" Number of DCB's open for this volume
547	(223)	X'224'	0	UCBDATP	"*" End of common direct access/tape area
548	(224)	SIGNED	1	UCBSQC	Number of reserve macro instructions issued
549	(225)	BITSTRING	1	UCBFL4	Direct access flag byte
		1...		UCBMDSE1	"X'80'" DSE1 is required during MSI
		.1..		UCBWDAV	"X'40'" DAVV waiting for mount
		..1.		UCBDPAVB	"X'20'" PAV-base capabable device
		...1		UCBDPAVA	"X'10'" PAV-alis device
		.... 1...		UCBSDSE1	"X'08'" DSE1 is required during SIO
		.... .1..		UCBDCMBU	"X'04'" CMB update required
		.... ..1.		UCBDPAVH	"X'02'" HiperPAV base or alias device
550	(226)	SIGNED	2	UCBUSER	Number of current users
550	(226)	X'226'	0	SRTEUSER	"UCBUSER" Alias
552	(228)	BITSTRING	1	UCBOBS1X(0)	Device dependent seg extension

Table 512. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		The data area for the following fields exist for PAV-capable base devices (UCBDPAVB = '1'B) and for PAV alias devices (UCBDPAVA = '1'B). The use of these fields are restricted and are not intended to be programming interfaces as the values can dynamically change. To obtain PAV information use UCBINFO PAVINFO. The PAVINFO returned data is mapped by IOSDPAVA.			
552	(228)	ADDRESS	4	UCBBASE	Address of base exposure UCB
556	(22C)	ADDRESS	4	UCBNEXP	Base - address of first exposure
560	(230)	BITSTRING	8	UCBPAVBI	Reserved for IOS use
560	(230)	X'21C'	0	SRTEVOLI	"UCBVOLI" Alias
560	(230)	X'222'	0	SRTESTAB	"UCBSTAB" Alias
560	(230)	X'80'	0	SRTEBSVL	"UCBBSVL" Alias
560	(230)	X'20'	0	SRTEBALB	"UCBBALB" Alias
560	(230)	X'10'	0	SRTEBPRV	"UCBBPRV" Alias
560	(230)	X'8'	0	SRTEBPUB	"UCBBPUB" Alias
560	(230)	X'4'	0	SRTEBSTR	"UCBBSTR" Alias
560	(230)	X'4'	0	SRTEASCI	"UCBBSTR" Alias
560	(230)	X'4'	0	UCBASCI	"SRTEASCI" Alias
560	(230)	X'4'	0	SRTEBVQS	"SRTEBSTR" Alias
560	(230)	X'1'	0	SRTEBNUL	"UCBBNUL" Alias
560	(230)	X'223'	0	SRTEDMCT	"UCBDMCT" Alias
%UCBDA3:; DASD UCBTYP flags and values (IECDUCBD) These flags and values are valid only when UCBDVCLS (UCBTBYT3) is set to UCB3DACC. %GOTO UCBDA4;					
		UCBTBYT2 flags			
		..1.		UCBRR	"X'20'" This device is shareable between two CPUs
		...1		UCBRPS	"X'10'" Rotational Position Sensing (RPS) device
		.... 1...		UCBRVDEV	"X'08'" If 0, real device. If 1, virtual device

Table 513. Structure UCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	SIGNED	2	UCBFSCT	Data set sequence count
538	(21A)	SIGNED	2	UCBFSEQ	Data set sequence number
540	(21C)	CHARACTER	8		UCBVOLI, UCBSTAB and UCBDMCT as in direct access segment
540	(21C)	X'218'	0	SRTEFSCT	"UCBFSCT" Alias
540	(21C)	X'21A'	0	SRTEFSEQ	"UCBFSEQ" Alias
548	(224)	CHARACTER	6	UCBFSER	Before open, message IDs. See UCBSTAB bit 7. After open, data set serial number
554	(22A)	BITSTRING	1	UCBTFL2	Flag byte
		1...		UCBTXMS	"X'80'" Extended mode set supported

Table 513. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		UCBTPSF	"X'40'" Perform Subsystem Function command supported
		..1.		UCBTVCMP	"X'20'" Volume contains compacted data
		...1		UCBTLPOS	"X'10'" ERP detected permanent error - tape position unknown
555	(22B)	BITSTRING	1	UCBTFL1	Flag byte
		1...		UCBNLTP	"X'80'" Tape volume does not contain labels
		.1..		UCBNSLTP	"X'40'" Tape contains non-standard labels
		..1.		UCBDQDSP	"X'20'" Dequeue tape volume when demounted
		...1 1...		UCBTFL1S	"X'18'" UCBTFL1 bits swapped by DDR
		...1		UCBRV005	"X'10'" Unused
		.... 1...		UCBCSL	"X'08'" ACL feature present swapped by DDR
		.... .1..		UCBCSLAC	"X'04'" ACL active
		.... ..1.		UCBBLKAHP	"X'02'" Lookahead mount pending
		1		UCBBLP	"X'01'" Bypass label processing
556	(22C)	ADDRESS	4	UCBXTN(0)	- ADDRESS OF THE MAGNETIC TAPE UCB EXTENSION
UCBVOPT MAPPING ADDED WITH APAR OY25849					
556	(22C)	BITSTRING	1	UCBVOPT	- VOLUME STATISTICS OPTION BITS
		1...		UCBESV	"X'80'" - ERROR STATISTICS BY VOLUME (ESV) RECORDS KEPT
		.1..		UCBEVA	"X'40'" - ERROR VOLUME ANALYSIS (EVA) RECORDS KEPT
		..1.		UCBESVC	"X'20'" - IF 0, ESV RECORDS SENT TO SYS1.MAN (X OR Y) DATA SET. IF 1, ESV RECORDS SENT TO CONSOLE.
		...1		UCBERPC	"X'10'" - AN ERROR RECOVERY PROCEDURE HAS CONTROL
		.... 1...		UCBESVE	"X'08'" - AN ESV RECORD HAS BEEN ISSUED FOR THIS VOLUME BECAUSE OF AN EOV CONDITION
		.... .1..		UCBPERR	"X'04'" - ERP DETECTED PERM ERROR. TAPE POSITION UNKNOWN.
		.... ..1.		UCBRSV21	"X'02',,C'X'" - RESERVED
		1		UCBRSV22	"X'01',,C'X'" - RESERVED
557	(22D)	ADDRESS	3	UCBXTNB	Address of the Segment Extension ..This pointer is valid if the ..UCB is genned below the line. ..Otherwise the pointer will be ..zero.
Magnetic Tape (device) Dependent Segment Extension This extension mapping has been moved to render the TDS and the TDE contiguous. For details see INVOCATION in the prologue.					

Table 513. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
560	(230)	SIGNED	2	UCBMT(0)	UCBXTNB -> UCBMT (ONLY if UCB ..is genned below the line. ..Otherwise the pointer is 0
560	(230)	SIGNED	2	UCBCTD	Serial number in binary of tape drive upon which the volume was created
562	(232)	SIGNED	1	UCBOBRID	Outboard recorder ID
563	(233)	SIGNED	1	UCBMDRID	Miscellaneous data record ID
564	(234)	SIGNED	1	UCBTR	The number (binary) of temporary read errors that have occurred
564	(234)	BITSTRING	1	UCBMTFL1	MSGDISP dismount request
		1...		UCBMTDSM	"X'80'" DISP=D (dismount)
		.1..		UCBMTKEP	"X'40'" DISP=K (keep)
		..1.		UCBMTRET	"X'20'" DISP=R (retain)
565	(235)	SIGNED	1	UCBTW	The number (binary) of temporary write errors that have occurred
566	(236)	SIGNED	2	UCBSIO	The number (binary) of start I/O operations that have occurred. A new 4-byte field has been created in the Tape Device Class Extension mapped by IECUCBCX. The UCBSIO field tends to overflow on higher capacity tape drives. The new field is UCBCX_SIO. Both fields are incremented by the Tape Trap exit (IECTTRAP).
568	(238)	SIGNED	1	UCBPR	The number (binary) of permanent read errors that have occurred
569	(239)	SIGNED	1	UCBPW	The number (binary) of permanent write errors that have occurred
570	(23A)	CHARACTER	6	UCBSER(0)	Used for tape drives that have a message display - Usage during dismount processing only - serial of dismounted volume
570	(23A)	SIGNED	1	UCBNB	The number (binary) of noise blocks that have been encountered
571	(23B)	CHARACTER	1	UCBMS	Mode set operation code for data blocks on a 3420 magnetic tape unit
572	(23C)	SIGNED	2	UCBERG	The number (binary) of erase gaps that have been encountered
574	(23E)	SIGNED	2	UCBCLN	The number (binary) of cleaner actions that have occurred
%UCBMT3 : ; Magnetic tape UCBTYP flags and values (IECDUCBT) These flags and values are valid only when UCBDVCLS (UCBTBYT3) is set to UCB3TAPE. %GOTO UCBMT4;					
UCBTBYT1 flags					
.... .1..				UCBD1600	"X'04'" 1600 BPI
.... ..1.				UCBD6250	"X'02'" 6250 BPI
UCBTBYT2 flags					

Table 513. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		UCBDUDN1	"X'20'" Dual density 800/1600 BPI
		...1		UCBDUDN2	"X'10'" Dual density 1600/6250 BPI
		.... 1...		UCBRWTAU	"X'08'" Read/write tape control
		.... .1..		UCBCOMPA	"X'04'" - Compaction feature
UCBTBYT4 (UCBUNTYP) values					
		11		UCB3400	"X'03'" 3400 magnetic tape
		1... ..1.		UCB3423	"X'82'" 3423 magnetic tape
		1...		UCB3480	"X'80'" 3480 magnetic tape
		1... ...1		UCB3490	"X'81'" 3490 magnetic tape
		1... ..11		UCB3591	"X'83'" 3590 magnetic tape

Table 514. Structure UCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	ADDRESS	4	UCBXTADR	Address of UCS UCB extension (1403 or 3211) or address of optical character reader UCB extension (3886) or address of 3540 device UCB extension or address of 3800 UCB extension
%UCBUR3:;					
3851 or 3838 device dependent segment (IECDUCBU)					
%GOTO UCBUR4;					
536	(218)	ADDRESS	4	UCBIOSBA	Address of IOSB. Set by IOS for error conditions.
540	(21C)	ADDRESS	4	UCBRV066(0)	Reserved - set to zero
540	(21C)	ADDRESS	4	UCBAPUB	3838 VPSS APUB address

Table 515. Structure UCBOCR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCBOCR	, UCBXTADR -> UCBOCR
0	(0)	CHARACTER	4	UCBFRID	Current format record ID (FRID) loaded
4	(4)	BITSTRING	4	UCBRDATA	Command data

Table 516. Structure UCB3540X

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCB3540X	, UCBXTADR -> UCB3540X
0	(0)	CHARACTER	6	UCBVLSER	3540 VOLID
6	(6)	BITSTRING	1	UCBDKBYT	Flag byte
		1...		UCBDKAMX	"X'80'" IBM-supplied diskette reader, diskette writer or copy/restore utilities are using this 3540 device

Table 516. Structure UCB3540X (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		UCBVLVER	"X'40'" Volume verification is required for certain intervention required conditions while 3540 diskette utilities are using the device
		..1.		UCBRV067	"X'20'" Reserved - set to zero
		...1		UCBRV068	"X'10'" Reserved - set to zero
		.... 1...		UCBRV069	"X'08'" Reserved - set to zero
		.... .1..		UCBRV070	"X'04'" Reserved - set to zero
		.... ..1.		UCBRV071	"X'02'" Reserved - set to zero
		1		UCBRV072	"X'01'" Reserved - set to zero
7	(7)	CHARACTER	1	UCBRV073	Reserved - set to zero

Table 517. Structure UCB3800X

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCB3800X	, UCBXTADR -> UCB3800X
0	(0)	BITSTRING	1	UCBOPTNS	Optional features installed on printer
		1111		UCBMDLBT	"X'F0'" Model
		.... 1...		UCBRV055	"X'08'" Reserved - set to zero
		.... .1..		UCBRV056	"X'04'" Reserved - set to zero
		.... ..1.		UCBBRSTR	"X'02'" Burster/trimmer/stacker
		1		UCBRV083	"X'01'" Reserved - set to zero
1	(1)	SIGNED	1	UCBCGMNO	Number of writeable character generation modules
2	(2)	BITSTRING	1	UCBGRAFS	Graphic character flag byte
		1...		UCBRV046	"X'80'" Reserved - set to zero
		.1..		UCBRV047	"X'40'" Reserved - set to zero
		..1.		UCBRV048	"X'20'" Reserved - set to zero
		...1		UCBRV049	"X'10'" Reserved - set to zero
		.... 1...		UCBGRAF0	"X'08'" WCGM 0 has been modified by a graphic character modification
		.... .1..		UCBGRAF1	"X'04'" WCGM 1 has been modified by a graphic character modification
		.... ..1.		UCBGRAF2	"X'02'" WCGM 2 has been modified by a graphic character modification
		1		UCBGRAF3	"X'01'" WCGM 3 has been modified by a graphic character modification
3	(3)	BITSTRING	1	UCBACTIV	Active features
		1...		UCBRV057	"X'80'" Reserved - set to zero
		.1..		UCBRV058	"X'40'" Reserved - set to zero
		..1.		UCBRV059	"X'20'" Reserved - set to zero
		...1		UCBRV060	"X'10'" Reserved - set to zero
		.... 1...		UCBRV061	"X'08'" Reserved - set to zero
		.... .1..		UCBRV062	"X'04'" Reserved - set to zero
		.... ..1.		UCBRV063	"X'02'" Reserved - set to zero
		1		UCBBRSTA	"X'01'" Reserved - set to zero

Table 517. Structure UCB3800X (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	CHARACTER	4	UCBCGMID	Four one byte ID's for character modules loaded in writeable character generation modules (WCGM'S)
8	(8)	CHARACTER	4	UCBCHAR1	Name of first translate table
12	(C)	CHARACTER	4	UCBCHAR2	Name of second translate table
16	(10)	CHARACTER	4	UCBCHAR3	Name of third translate table
20	(14)	CHARACTER	4	UCBCHAR4	Name of fourth translate table
24	(18)	CHARACTER	4	UCBFCBNM	Forms control buffer (FCB) image name
28	(1C)	CHARACTER	4	UCBIMAGE	Forms overlay image identification
32	(20)	SIGNED	2	UCBLDATA	Lost data page count
34	(22)	SIGNED	2	UCBPGID	ID of the last fused page for system restart or page at the transfer station for cancel key
36	(24)	ADDRESS	4	UCBMDRBF(0)	Miscellaneous data recording (MDR) buffer address
36	(24)	SIGNED	1	UCBRV075	Reserved - set to zero
37	(25)	ADDRESS	3	UCBMDRBA	MDR buffer address

Table 518. Structure UCBUCS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCBUCS	, UCBXTADR -> UCBUCS
0	(0)	CHARACTER	4	UCBUCSID	UCS image identification in buffer
4	(4)	BITSTRING	1	UCBUCSOP	Format of UCS image in buffer (O for option)
		1...		UCBUCSO1	"X'80'" UCS image is a default image
		.1..		UCBUCSO2	"X'40'" UCS image is in fold mode
		..1.		UCBRSV39	"X'20'" Reserved - set to zero
		...1		UCBRSV40	"X'10'" Reserved - set to zero
		.... 1...		UCBRSV41	"X'08'" Reserved - set to zero
		.... .1..		UCBRSV42	"X'04'" Reserved - set to zero
		.... ..1.		UCBRSV43	"X'02'" Reserved - set to zero
		1		UCBUCSPE	"X'01'" UCS image has parity error (3211)
5	(5)	BITSTRING	1	UCBFCBOP	Reserved (1403) or FCB options (3211) (O for option)
		1...		UCBFCBO1	"X'80'" FCB image is a default image
		.1..		UCBRSV44	"X'40'" Reserved - set to zero
		..1.		UCBRSV45	"X'20'" Reserved - set to zero
		...1		UCBRSV46	"X'10'" Reserved - set to zero
		.... 11..		UCBFCBPS	"X'0C'" Printer speed setting for a variable speed printer 01 - low speed 10 - medium speed 11 - high speed
		.... ..1.		UCBRSV49	"X'02'" Reserved - set to zero

Table 518. Structure UCBUCS (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		UCBFCBPE	"X'01'" FCB image has parity error
6	(6)	BITSTRING	1	UCBRSV51	Reserved - set to zero
7	(7)	SIGNED	1	UCBERCNT	Contains a count of the errors that have occurred. The count, which may wrap around, is written in standard OBR records (one per error) and in new device dependent OBR records (0 to 3 per error) and serve to relate to each other the standard and device dependent OBR records that pertain to each error (3211)
8	(8)	CHARACTER	4	UCBFCBID	The FCB image identification
12	(C)	ADDRESS	4	UCBERADR	The address of the ERP logout area
16	(10)	CHARACTER	2	UCBIPGID	Impact printer page ID for last good page after lost data condition
18	(12)	SIGNED	2	UCBPDCTO	Offset to printer device characteristics table (PDCT) from UCBUCS

Table 519. Structure UCBPDCTA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCBPDCTA	Printer device characteristics table (PDCT) area. (The PDCT resides in the UCS extension. However, its address must be computed by adding the value in UCBPDCTO to the address of UCBUCS.)
0	(0)	CHARACTER	16	UCBPDCT	Printer device characteristics table (PDCT), mapped by mapping macro IGGPDC

```
%UCBUR13:;
        Unit Record UCBTYP flags and values (IECDUCBU)
       These flags and values are valid only when UCBDVCLS
       (UCBTBYT3) is set to UCB3UREC.
%GOTO UCBUR14;
    UCBUNTYP (UCBTBYT4) Flag Byte
       EQU X'08' 1403 Printer
```

	.... 1..1		UCB3211	"X'09'" 3211 Printer
	.... 111.		UCB3800	"X'0E'" 3800 Printing Subsystem
	 1111		UCBAFP1	"X'0F'" Printer support
	...1 ...1		UCB3263	"X'11'" 3263 Printer
	...1 ...1		UCB4245	"X'11'" 4245 Printer
	...1 ..11		UCB4248	"X'13'" 4248 Printer
	...1 1..1		UCB3895	"X'19'" 3895 device
	..11 1.1.		UCBDIR	"X'3A'" ESCON or FICON Director

Table 519. Structure UCBPDCTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1.. ..1.		UCBDSM	"X'42'" Mass Storage Control (MSC) (3851) (no longer supported)
		.1.. 11..		UCB3838	"X'4C'" 3838 Array Processor

Table 520. Structure UCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	SIGNED	2	UCBSTART	Last start address
538	(21A)	SIGNED	1	UCBOPEN	Number of DCB's that are currently open for this device
539	(21B)	CHARACTER	1	UCBGCB	Graphic control byte used for attention handling
540	(21C)	ADDRESS	4	UCBTEB	Address of Task Entry (TE) block
544	(220)	BITSTRING	4	UCBSNS	Sense information
548	(224)	ADDRESS	4	UCBBTA(0)	Address of buffer table
548	(224)	SIGNED	1	UCBDI	Device or devices on a control unit to which buffer sections are assigned
549	(225)	ADDRESS	3	UCBBTB	Address of buffer table
%UCBGR3:; 3270 Graphics device dependent segment (IECDUCBG) %GOTO UCBGR4;					
536	(218)	BITSTRING	2	UCBAOF(0)	Additional optional features. An extension of the optional features byte of the UCBTYP field.
536	(218)	BITSTRING	1	UCBAOF1	First byte of UCBAOF
		1...		UCBOFMCR	"X'80'" Magnetic card reader adapter (for 3277 only)
		.1..		UCBOFSP	"X'40'" Selector pen - for 3277 only
		..1.		UCBOFNL	"X'20'" Numeric lock - for 3277 only
		...1		UCBOFPTR	"X'10'" Prepare to read feature
		.... 1...		UCBRSV65	"X'08'" Reserved - set to zero
		.... .1..		UCBRSV66	"X'04'" Reserved - set to zero
		.... ..1.		UCBRSV67	"X'02'" Reserved - set to zero
		1		UCBRSV68	"X'01'" Reserved - set to zero
537	(219)	BITSTRING	1	UCBAOF2	Second byte of UCBAOF
		1...		UCBRSV69	"X'80'" Reserved - set to zero
		.1..		UCBRSV70	"X'40'" Reserved - set to zero
		..1.		UCBRSV71	"X'20'" Reserved - set to zero
		...1		UCBRSV72	"X'10'" Reserved - set to zero
		.... 1...		UCBRSV73	"X'08'" Reserved - set to zero
		.... .1..		UCBRSV74	"X'04'" Reserved - set to zero
		.... ..1.		UCBRSV75	"X'02'" Reserved - set to zero
		1		UCBRSV76	"X'01'" Reserved - set to zero

Table 520. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
538	(21A)	SIGNED	1	UCBATNCT	Attention count. The number of attentions not serviced in the line group. Present only if the device index field is 1. Otherwise, this field is reserved.
539	(21B)	BITSTRING	1		UCBGCB - control byte. Used for attention handling flags
		1...		UCBOLTEP	"X'80'" OLTEP in control of the device
		.1..		UCBRSV77	"X'40'" Reserved - set to zero
		..1.		UCBRSV78	"X'20'" Reserved - set to zero
		...1		UCBRSV79	"X'10'" Reserved - set to zero
		.... 1...		UCBRTIAC	"X'08'" Read TI active
		.... .1..		UCBRIPND	"X'04'" Read initial pending
		.... ..1.		UCBSKPFG	"X'02'" Skip flag
		1		UCBATRCD	"X'01'" Attention received from the device
540	(21C)	ADDRESS	4	UCBIRB(0)	Address of the IRB used for scheduling the second level attention routine
540	(21C)	BITSTRING	1	UCBGRAF	Graphics status flags (BTAM)
		1...		UCBOIP	"X'80'" Open is in progress
		.1..		UCBDRO	"X'40'" Device ready in open
		..1.		UCBDRNO	"X'20'" Device ready - not in open
		...1		UCBBTAM	"X'10'" Use BTAM - IGG019UP
		.... 1...		UCBUPM	"X'08'" Use provided module
		.... .1..		UCBRPND	"X'04'" Ready processing not done
		.... ..1.		UCBDWNR	"X'02'" Device went not ready
		1		UCBRV039	"X'01'" Reserved - BTAM
541	(21D)	ADDRESS	3	UCBIRBA	Address of the IRB used for scheduling the second level attention routine
544	(220)	ADDRESS	4	UCBLDNCA(0)	Address of 3270 work area established by VTAM
544	(220)	ADDRESS	4	UCBRDYQ(0)	Asynchronous ready notification IRB address (BTAM)
544	(220)	SIGNED	1	UCBINRLN(0)	Same as UCBIRLN
544	(220)	SIGNED	1	UCBIRLN	Initialized RLN. The relative line number (RLN) of the IOB initialized for a read initial. If 0, no read initial is outstanding. Present only if the device index field is 1. Otherwise, this field is reserved.
545	(221)	ADDRESS	3	UCBLDNCB(0)	Address of 3270 work area established by VTAM
545	(221)	ADDRESS	3	UCBRDYQA	Asynchronous ready notification IRB address (BTAM)
548	(224)	ADDRESS	4	UCBCTLNK(0)	Same as UCBCTLNA below

Table 520. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
548	(224)	SIGNED	1	UCBRLN	Device index. Index to the DEB UCB address field for this device. This value is also the relative line number.
549	(225)	ADDRESS	3	UCBCTLNA	Control block link. If the device index field is 1, this field contains the address of the DEB for the line group. If the device index field is between 2 and 255 inclusive, this field contains the address of the UCB with a device index of 1.

Table 521. Structure UCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	ADDRESS	4	UCBRV040	Reserved for use as teleprocessing extension pointer
540	(21C)	ADDRESS	4	UCBICNCB	Pointer to VTAM's ICNCB
%UCBCO3:; Communication Equipment UCBTYP flags and values (IECDUCBE) These flags and values are valid only when UCBDVCLS (UCBTBYT3) is set to UCB3COMM. %GOTO UCBCO4; UCBTBYT4 Flag Byte					
	1111 ...1			UCB3791L	"X'F1'" 3791 Local control unit
	...1 ...1			UCB42AD1	"X'11'" 2702 Control unit with type 1 adapter

Table 522. Structure UCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCB	
536	(218)	ADDRESS	4	UCBCTCAD(0)	Address of an SRB/IOSB to be used for sense command byte by IECTCATN if UCBCTC80 bit is set to zero
536	(218)	ADDRESS	4	UCBCTCAL	Address of JES3 routine for switching to alternate path CTC if UCBCTC80 bit is set to one
540	(21C)	BITSTRING	1	UCBCTCF1	Channel-to-channel (CTC) device flag byte
	1...			UCBCTC80	"X'80'" If this bit is on, above word has UCBCTCAL meaning. If this bit is off, above word has UCBCTCAD meaning.
	.1..			UCBRV076	"X'40'" Reserved for CTC owner
	..1.			UCBRV077	"X'20'" Reserved for CTC owner
	...1			UCBRV078	"X'10'" Reserved for CTC owner
	.... 1...			UCBRV079	"X'08'" Reserved for CTC owner

Table 522. Structure UCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		UCBRV080	"X'04'" Reserved for CTC owner
		.... ..1.		UCBRV081	"X'02'" Reserved for CTC owner
		1		UCBRV082	"X'01'" Reserved for CTC owner
541	(21D)	BITSTRING	3	UCBRV042	Reserved for CTC owner
544	(220)	ADDRESS	4	UCBCTCWA	IECTCATN work area address
548	(224)	ADDRESS	4	UCBCTCF2(0)	IOS CTC Flags, serialized via compare and swap
	Map out bytes of F2 field				
548	(224)	BITSTRING	1	UCBCF2B0	First byte of IOS CTC flags
		1...		UCBCCLAW	"X'80'" CTC owner is using CLAW protocol, never ending channel programs
		1...		UCBNORMF	"X'80'" Prevent RMF from issuing asynch MSCH for device
		.1..		UCBCABYP	"X'40'" If set, bypass attention routine processing and post the caller's abnormal exit when attention+busy device status is received.
		..1.		UCBCEMUA	"X'20'" CTC owner has indicated that device emulation is active
		...1		UCBCDIAG	"X'10'" Diagnostic command is supported for CTC ERP processing
	EQU X'0F' Reserved				
549	(225)	BITSTRING	1	UCBCF2B1	Second byte of IOS CTC flags
550	(226)	BITSTRING	1	UCBCF2B2	Third byte of IOS CTC flags
551	(227)	BITSTRING	1	UCBCDCMD	FCTC Debug cmd code (flag byte3)
LAST BYTE OF THE CTCF2 FULLWORD IS RESERVED FOR THE OP CODE OF THE CTC DIAGNOSTIC FORCE NON-DISRUPTIVE LOG COMMAND @L5A					
		UCBTBYT4 mapping			
		....		UCBPCTC	"X'00'" Parallel CTC
		1		UCBSCTC	"X'01'" Serial CTC
		.... ..1.		UCBBCTC	"X'02'" Basic Mode ESCON CTC
		11		UCBRS6K	"X'03'" RS6000 acting like a CTC
		.... .1..		UCB3172	"X'04'" 3172 acting like a CTC
		.... .1.1		UCBOSA	"X'05'" OSA device
		.... .11.		UCBOSAD	"X'06'" OSA diagnostic device
		.... .111		UCBIQD	"X'07'" Internal Queued Direct Communications Device
		.... 1...		UCBOSN	"X'08'" OSA NCP (OSN) device
		.... 1..1		UCBOSX	"X'09'" OSX (OSA zBX Data Network)
		.... 1.1.		UCBOSM	"X'0A'" OSM (OSA zBX Management Network)
		 1111		UCBOSAF	"X'0F'" OSA reserved device types B-F
		..1.		UCBFCTC	"X'20'" FICON CTC
		..1. ...1		UCBFBRC	"X'21'" Fabric discovery device

Table 523. Cross Reference for UCB

Name	Offset	Hex Tag
SRTEALOC	15	8
SRTEASCI	230	4
SRTEBALB	230	20
SRTEBNUL	230	1
SRTEBPRV	230	10
SRTEBPUB	230	8
SRTEBSTR	230	4
SRTEBSVL	230	80
SRTEBVQS	230	4
SRTECHGS	15	40
SRTEDADI	15	1
SRTEDMCT	230	223
SRTEFSCT	21C	218
SRTEFSEQ	21C	21A
SRTEJBNR	15	200
SRTEMNT	15	1
SRTEONLI	15	80
SRTEPRES	15	4
SRTERESV	15	20
SRTESTAB	230	222
SRTESTAT	15	203
SRTESYSR	15	2
SRTEUNLD	15	10
SRTEUSER	226	226
SRTEVOLI	230	21C
UCB	-200	
UCB	0	
UCB	0	
UCB	0	
UCB	0	
UCB	0	
UCB	0	
UCBACTIV	3	
UCBAF	1	40
UCBAFP1	0	F
UCBALLFC	1E	10
UCBALOC	3	8
UCBALTCU	1	2
UCBAMV	1	40
UCBAOF	218	
UCBAOF1	218	
UCBAOF2	219	
UCBAPUB	21C	
UCBASAFH	7	4
UCBASCI	230	4
UCBASID	E	
UCBASUN	2	80
UCBATI	3	
UCBATNCT	21A	

Table 523. Cross Reference for UCB (continued)

Name	Offset	Hex Tag
UCBATRCD	21B	1
UCBATTP	14	80
UCBAUTOS	7	20
UCBBALB	222	20
UCBBASE	228	
UCBBCTC	227	2
UCBBGN	0	0
UCBBLP	22B	1
UCBBNUL	222	1
UCBBOX	6	1
UCBBPRV	222	10
UCBBPUB	222	8
UCBBRSTA	3	1
UCBBRSTR	0	2
UCBBSTR	222	4
UCBBSVL	222	80
UCBBTA	224	
UCBBTAM	21C	10
UCBBTB	225	
UCBCABYP	224	40
UCBCCLAW	224	80
UCBCDCMD	227	
UCBCDIAG	224	10
UCBCEMUA	224	20
UCBCF2B0	224	
UCBCF2B1	225	
UCBCF2B2	226	
UCBCGMID	4	
UCBCGMNO	1	
UCBCHAN	4	
UCBCHAR1	8	
UCBCHAR2	C	
UCBCHAR3	10	
UCBCHAR4	14	
UCBCHGS	3	40
UCBCHPRM	C	
UCBCLEAR	6	2
UCBCLEXT	18	
UCBCLN	23E	
UCBCMEXT	0	
UCBCMONR	1F	8
UCBCMSEG	0	200
UCBCNPTH	1E	4
UCBCOMPA	23E	4
UCBCSFLG	1E	
UCBCSL	22B	8
UCBCSLAC	22B	4
UCBCTCAD	218	
UCBCTCAL	218	

Table 523. Cross Reference for UCB (continued)

Name	Offset	Hex Tag
UCBCTCF1	21C	
UCBCTCF2	224	
UCBCTCWA	220	
UCBCTC80	21C	80
UCBCTD	230	
UCBCTLNA	225	
UCBCTLNK	224	
UCBCUIR	1	1
UCBCURPX	-4	8
UCBDADI	3	1
UCBDATP	223	224
UCBDBUF	2	20
UCBDCC	1	80
UCBDCMBU	225	4
UCBDCONS	0	2
UCBDCTOF	1C	
UCBDDRSW	14	1
UCBDDT	14	
UCBDDTI	14	
UCBDEFER	6	80
UCBDEV	15	218
UCBDI	224	
UCBDIR	0	3A
UCBDKAMX	6	80
UCBDKBYT	6	
UCBDMC	223	7F
UCBDMCT	223	
UCBDPAVA	225	10
UCBDPAVB	225	20
UCBDPAVH	225	2
UCBDQDSP	22B	20
UCBDRNO	21C	20
UCBDRO	21C	40
UCBDRSN	1E	20
UCBDSM	0	42
UCBDUC	0	20
UCBDUDN1	23E	20
UCBDUDN2	23E	10
UCBDVCLS	12	
UCBDVPWR	11	1
UCBDVSHR	222	80
UCBDWNR	21C	2
UCBDYNPH	5	2
UCBD1600	23E	4
UCBD6250	23E	2
UCBEIDAW	7	8
UCBENVRD	1	8
UCBERADR	C	
UCBERCNT	7	

Table 523. Cross Reference for UCB (continued)

Name	Offset	Hex Tag
UCBERG	23C	
UCBERLOG	5	4
UCBERPC	22C	10
UCBESV	22C	80
UCBESVC	22C	20
UCBESVE	22C	8
UCBETI	0	
UCBEVA	22C	40
UCBEXTP	15	
UCBEXTPT	14	
UCBFBRC	227	21
UCBFCBID	8	
UCBFCBNM	18	
UCBFCBOP	5	
UCBFCBO1	5	80
UCBFCBPE	5	1
UCBFCBPS	5	C
UCBFCTC	227	20
UCBFCX	1E	1
UCBFLA	6	
UCBFLB	7	
UCBFLC	14	
UCBFLP1	5	
UCBFL1	6	206
UCBFL2	15	206
UCBFL4	225	
UCBFL5	1	
UCBFL6	2	
UCBFL7	7	
UCBFL8	1F	
UCBFRID	0	
UCBFSCT	218	
UCBFSEQ	21A	
UCBFSER	224	
UCBGCB	21B	
UCBGRAF	21C	
UCBGRAFS	2	
UCBGRAF0	2	8
UCBGRAF1	2	4
UCBGRAF2	2	2
UCBGRAF3	2	1
UCBGUCB	2	11
UCBHALI	3	2
UCBHALT	6	4
UCBHDET	7	8
UCBHILVL	7	10
UCBHPDV	3	1
UCBHSWAP	1E	40
UCBICNCB	21C	

Table 523. Cross Reference for UCB (continued)

Name	Offset	Hex Tag
UCBID	2	
UCBIDCPY	2	CC
UCBIDS	2	10
UCBIEXT	8	
UCBIMAGE	1C	
UCBIN	C	80
UCBINCPT	7	80
UCBINHIO	5	10
UCBINRLN	220	
UCBIOQ	-4	
UCBIOSBA	218	
UCBIOSN	7	4
UCBIOT	2	1
UCBIPGID	10	
UCBIQD	227	7
UCBIRB	21C	
UCBIRBA	21D	
UCBIRLN	220	
UCBITFP	14	40
UCBIVRR	14	4
UCBIVRS	14	8
UCBJBNR	0	
UCBJES3	0	40
UCBJ3DV	0	10
UCBLDATA	20	
UCBLDNCA	220	
UCBLDNCB	221	
UCBLERP	2	2
UCBLKAHP	22B	2
UCBLOCK	-8	
UCBMASGN	7	80
UCBMDISP	2	40
UCBMDLBT	0	F0
UCBMDRBA	25	
UCBMDRBF	24	
UCBMDRID	233	
UCBMDSE1	225	80
UCBMIDAW	1E	2
UCBMMSGP	0	4
UCBMONT	0	1
UCBMOUNT	223	80
UCBMS	23B	
UCBMT	230	
UCBMTDSM	234	80
UCBMTFL1	234	
UCBMTKEP	234	40
UCBMTPXP	C	8
UCBMTRET	234	20
UCBNALOC	1	4

Table 523. Cross Reference for UCB (continued)

Name	Offset	Hex Tag
UCBNAME	D	
UCBNB	23A	
UCBNCC3	1E	80
UCBNEXP	22C	
UCBNLTP	22B	80
UCBNOCON	7	20
UCBNOPTH	7	40
UCBNORMF	224	80
UCBNOSEL	7	10
UCBNOTRD	6	40
UCBNRY	6	40
UCBNSLTP	22B	40
UCBNSRCH	5	80
UCBNXUCB	8	
UCBOB	0	
UCBOBRID	232	
UCBOBS1X	228	
UCBOCR	0	
UCBOFMCR	218	80
UCBOFNL	218	20
UCBOFPTR	218	10
UCBOFSP	218	40
UCBOIP	21C	80
UCBOLDSM	0	8
UCBOLTEP	21B	80
UCBONEFC	1E	8
UCBONLI	3	80
UCBOPEN	21A	
UCBOPTNS	0	
UCBOSA	227	5
UCBOSAD	227	6
UCBOSAF	227	F
UCBOSM	227	A
UCBOSN	227	8
UCBOSX	227	9
UCBOUT	C	40
UCBPAVBI	230	
UCBPCTC	227	0
UCBPDCT	0	
UCBPDCTA	0	
UCBPDCTO	12	
UCBPERM	6	20
UCBPERR	22C	4
UCBPGFL	222	40
UCBPGID	22	
UCBPONLI	7	1
UCBPR	238	
UCBPRES	3	4
UCBPRFX	-4	200

Table 523. Cross Reference for UCB (continued)

Name	Offset	Hex Tag
UCBPRRSN	1F	20
UCBPRSRS	222	20
UCBPRUN	7	2
UCBPSNS	6	10
UCBPUB	C	20
UCBPW	239	
UCBPXST	-200	1F8
UCBRALOC	5	1
UCBRDATA	4	
UCBRDYQ	220	
UCBRDYQA	221	
UCBRERP	5	20
UCBRESV	3	20
UCBREW	C	10
UCBRIPND	21B	4
UCBRLN	224	
UCBRPND	21C	4
UCBRPS	230	10
UCBRR	230	20
UCBRSV04	3	80
UCBRSV05	3	40
UCBRSV06	3	20
UCBRSV07	3	10
UCBRSV08	3	8
UCBRSV09	3	4
UCBRSV10	12	2
UCBRSV11	12	1
UCBRSV21	22C	2
UCBRSV22	22C	1
UCBRSV39	4	20
UCBRSV40	4	10
UCBRSV41	4	8
UCBRSV42	4	4
UCBRSV43	4	2
UCBRSV44	5	40
UCBRSV45	5	20
UCBRSV46	5	10
UCBRSV49	5	2
UCBRSV51	6	
UCBRSV65	218	8
UCBRSV66	218	4
UCBRSV67	218	2
UCBRSV68	218	1
UCBRSV69	219	80
UCBRSV70	219	40
UCBRSV71	219	20
UCBRSV72	219	10
UCBRSV73	219	8
UCBRSV74	219	4

Table 523. Cross Reference for UCB (continued)

Name	Offset	Hex Tag
UCBRSV75	219	2
UCBRSV76	219	1
UCBRSV77	21B	40
UCBRSV78	21B	20
UCBRSV79	21B	10
UCBRS6K	227	3
UCBRTIAC	21B	8
UCBRVDEV	230	8
UCBRV005	22B	10
UCBRV039	21C	1
UCBRV040	218	
UCBRV042	21D	
UCBRV046	2	80
UCBRV047	2	40
UCBRV048	2	20
UCBRV049	2	10
UCBRV055	0	8
UCBRV056	0	4
UCBRV057	3	80
UCBRV058	3	40
UCBRV059	3	20
UCBRV060	3	10
UCBRV061	3	8
UCBRV062	3	4
UCBRV063	3	2
UCBRV066	21C	
UCBRV067	6	20
UCBRV068	6	10
UCBRV069	6	8
UCBRV070	6	4
UCBRV071	6	2
UCBRV072	6	1
UCBRV073	7	
UCBRV075	24	
UCBRV076	21C	40
UCBRV077	21C	20
UCBRV078	21C	10
UCBRV079	21C	8
UCBRV080	21C	4
UCBRV081	21C	2
UCBRV082	21C	1
UCBRV083	0	1
UCBRWTAU	23E	8
UCBSATI	D	
UCBSCDRY	1F	40
UCBSCTC	227	1
UCBSDSE1	225	8
UCBSELFD	2	8
UCBSER	23A	

Table 523. Cross Reference for UCB (continued)

Name	Offset	Hex Tag
UCBSFLS	6	
UCBSHAR	222	2
UCBSHRUP	5	40
UCBSIO	236	
UCBSKPFG	21B	2
UCBSMRSN	1F	10
UCBSMS	1	20
UCBSMSMM	2	4
UCBSNS	220	
UCBSNSCT	4	
UCBSPECL	1F	80
UCBSQC	224	
UCBSSPND	7	40
UCBSTAB	222	
UCBSTART	218	
UCBSTAT	3	
UCBSTI	1	
UCBSTLI	6	
UCBSTND	2	FF
UCBSTRT	6	8
UCBST1	2	12
UCBST3	2	FD
UCBSWAPF	5	8
UCBSYSR	3	2
UCBTBYT1	10	
UCBTBYT2	11	
UCBTBYT3	12	
UCBTBYT4	13	
UCBTEB	21C	
UCBTFL1	22B	
UCBTFL1S	22B	18
UCBTFL2	22A	
UCBTLPOS	22A	10
UCBTPSF	22A	40
UCBTR	234	
UCBTVCMP	22A	20
UCBTW	235	
UCBTXMS	22A	80
UCBTYP	10	
UCBUCS	0	
UCBUCSID	0	
UCBUCSOP	4	
UCBUCSO1	4	80
UCBUCSO2	4	40
UCBUCSPE	4	1
UCBUDE	14	20
UCBUNLD	3	10
UCBUNTYP	13	
UCBUPM	21C	8

Table 523. Cross Reference for UCB (continued)

Name	Offset	Hex Tag
UCBUSER	226	
UCBVHRSN	C	2
UCBVLPWR	11	2
UCBVLRSN	C	1
UCBVLSER	0	
UCBVLVER	6	40
UCBVOLI	21C	
UCBVOPT	22C	
UCBVORSN	C	4
UCBVRDEV	0	80
UCBVSDR	1	10
UCBVTOC	218	
UCBWDAV	225	40
UCBWGT	C	
UCBWTOID	11	
UCBWTOWD	10	
UCBXTADR	218	
UCBXTN	22C	
UCBXTNB	22D	
UCBZHPF	1E	1
UCB1FEA0	10	80
UCB1FEA1	10	40
UCB1FEA2	10	20
UCB1FEA3	10	10
UCB1FEA4	10	8
UCB1FEA5	10	4
UCB1FEA6	10	2
UCB1FEA7	10	1
UCB2OPT0	11	80
UCB2OPT1	11	40
UCB2OPT2	11	20
UCB2OPT3	11	10
UCB2OPT4	11	8
UCB2OPT5	11	4
UCB2OPT6	11	2
UCB2OPT7	11	1
UCB3CHAR	12	4
UCB3COMM	12	40
UCB3CTC	12	41
UCB3DACC	12	20
UCB3DISP	12	10
UCB3TAPE	12	80
UCB3UREC	12	8
UCB3172	227	4
UCB3211	0	9
UCB3263	0	11
UCB3400	23E	3
UCB3423	23E	82
UCB3480	23E	80

Table 523. Cross Reference for UCB (continued)

Name	Offset	Hex Tag
UCB3490	23E	81
UCB3540X	0	
UCB3591	23E	83
UCB3791L	21C	F1
UCB3800	0	E
UCB3800X	0	
UCB3838	0	4C
UCB3895	0	19
UCB42AD1	21C	11
UCB4245	0	11
UCB4248	0	13

Chapter 145. UCM Information

UCM Heading Information

Common Name:	UNIT CONTROL MODULE (UCM) DEFINITION
Macro ID:	IEECUCM
DSECT Name:	UCMPRFX (DSECT for MCS prefix), UCM (DSECT for UCM base), UCMEIL (DSECT for UCM event indication list), UCMLIST (DSECT for individual device entry UCME map), UCMFEXTA (DSECT for UCM fixed exenstion base), UCMFSAVE (DSECT for UCM fixed extension save area), UCMPEXTA (DSECT for UCM pageable extension base), UCMEFEXT (DSECT for UCM fixed extension), UCMEPEXT (DSECT for UCME pageable extension)
Owning Component:	Communications Task (SC1CK)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Nucleus resident and key 0 for areas created by System Generation. MCS and SMCS UCMEs: Subpool 245 and key 0 for UCM fixed extension base and UCME fixed extensions. Subpool 241 and key 0 for UCM pageable extension base and UCME pageable extensions. Subsystem Console UCMEs: Subpool 241 and key 0 for UCME Fixed extension base, UCME fixed extensions, and UCME pageable extensions. Note: for subsystem consoles, the UCME base and "fixed" extension are not actually page-fixed. Data Space: No Residency: All postions except the UCME Pageable extension reside below 16M.
Size:	NUCLEUS- 660 bytes and 80 byte/console(99 entries) Subpool 245 - 448 bytes and 108 bytes/console Subpool 241 - 824 bytes and 432 bytes/console
Created by:	(LISTED BY DSECT) IEECVUCM - UCM2EXT, UCMPREFX, UCM, UCMEIL, UCMLIST IEAVN703 - UCMFEXTA, UCMFSAVE, UCMPEXTA, UCMEFEXT, UCMEPEXT
Pointed to by:	(DSECT - POINTER) UCM - CVTCUCB UCMLIST - UCMVEA
Serialization:	LOCAL AND CMS LOCKS
Function:	* DEFINE THE CHARACTERISTICS OF ALL CONSOLES * CONTAIN CONTROL INFORMATION FOR COMM TASK.

UCM mapping

Table 524. Structure UCM2EXT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCM2EXT	, - START OF UCM EXTENSION
0	(0)	SIGNED	2	UCM2DRCS	- IEAVSTAA SDUMP RETURN, REASON CODES
2	(2)	SIGNED	2	UCMRSV85	- RESERVED

Table 524. Structure UCM2EXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	ADDRESS	4	UCM2PST	"V(IEA0PT02)" - BRANCH ENTRY POINT INTO 'POST' ROUTINE
8	(8)	BITSTRING	1	UCM2SFLG	- IEAVSTAA CONTROL FLAGS
		1...		UCM2SDWA	"BIT0" - SDWA OBTAINED
		.1..		UCM2SENT	"BIT1" - IEAVSTAA ENTERED
		..1.		UCM2DTAK	"BIT2" - DUMP TAKEN
		...1		UCM2DSTR	"BIT3" - DUMP STARTED
		.... 1...		UCM2WTOI	"BIT4" - IEAVSTAA ABEND MESSAGE ISSUED
		.... .1..		UCM2REC	"BIT5" - RECURSIVE ENTRY OCCURRED
		.... ..1.		UCM2FAIL	"BIT6" - COMM TASK HAS FAILED DURING THIS IPL
		1		UCMRV008	"BIT7,,C'X'" - RESERVED (MDC055) YM5195
9	(9)	ADDRESS	3		- Reserved
12	(C)	SIGNED	4	UCM2TOKN	- IEAVSTAA ESTAE TOKEN
16	(10)	ADDRESS	4	UCM2STAA	- Address of SDWA or zero
20	(14)	ADDRESS	4	UCMRSV74	- RESERVED (MDC387)

Table 525. Structure UCMPRFX

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCMPRFX	, - START OF MCS PREFIX
0	(0)	X'0'	0	MCSUCM	"*" - ALIAS FOR START OF MCS PREFIX
0	(0)	ADDRESS	4	UCM_DNR_RSV02	- Reserved - was UCMMCENT (Addr of UCME of current master console) DO NOT REUSE
4	(4)	CHARACTER	72	UCMSAVE0(0)	- RESIDENT REGISTER SAVE AREA FOR IEAVCTSK
4	(4)	SIGNED	4	UCMSVA0	- WORD 1
8	(8)	SIGNED	4	UCMSVB0	- WORD 2
12	(C)	SIGNED	4	UCMSVC0	- WORD 3
16	(10)	SIGNED	4	UCMSVD0	- WORD 4
20	(14)	SIGNED	4	UCMSVE0	- WORD 5
24	(18)	SIGNED	4	UCMSVF0	- WORD 6
28	(1C)	SIGNED	4	UCMSVG0	- WORD 7
32	(20)	SIGNED	4	UCMSVH0	- WORD 8
36	(24)	SIGNED	4	UCMSVI0	- WORD 9
40	(28)	SIGNED	4	UCMSVJ0	- WORD 10
44	(2C)	SIGNED	4	UCMSVK0	- WORD 11
48	(30)	SIGNED	4	UCMSVL0	- WORD 12
52	(34)	SIGNED	4	UCMSVM0	- WORD 13
56	(38)	SIGNED	4	UCMSVN0	- WORD 14
60	(3C)	SIGNED	4	UCMSVO0	- WORD 15
64	(40)	SIGNED	4	UCMSVP0	- WORD 16
68	(44)	SIGNED	4	UCMSVQ0	- WORD 17
72	(48)	SIGNED	4	UCMSVR0	- WORD 18
76	(4C)	ADDRESS	4	UCMDOME	- ADDRESS OF FIRST DOM ELEMENT
80	(50)	ADDRESS	4	UCMWTOX	- CVTExit@ set by IEAVSTAA
84	(54)	BITSTRING	2	UCMSFLGS(0)	- SYSTEM CONTROL FLAGS

Table 525. Structure UCMPRFX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
84	(54)	ADDRESS	1	UCMSFLG1	- BYTE 1 OF SYSTEM CONTROL FLAGS
		1...		UCMSYSHC	"BIT0" - SYSLOG WAS HARDCOPY LOG, USED WHEN JES GOES DOWN THEN COMES BACK TO CHECK IF SYSLOG WAS ACTIVE
		.1..		UCMSYSB	"BIT1" - HARDCOPY SUPPORT REQUIRED
		..1.		UCMSYSC	"BIT2" - COMMANDS SPECIFIED FOR V SYSLOG,HARDCPY
		...1		UCMRSVD4	"BIT3" - Reserved - was UCMSYSD (Ring bell for a no consoles condition)
		.... 1...		UCM_DWNLVL_UCMSYSE	"BIT4" - Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (No Consoles Active)
		.... .1..		UCMSYSF	"BIT5" - DISPLAY CONSOLES EXIST
		.... ..1.		UCMSYSG	"BIT6" - HARDCOPY DEVICE IS SYSLOG
		1		UCMRSVF7	"BIT7" - Reserved - was UCMSYSH (A NON-SYSLOG HARDCOPY DEVICE EXISTS)
85	(55)	ADDRESS	1	UCMSFLG2	BYTE 2 OF SYSTEM CONTROL FLAGS
		1...		UCMSYSI	"BIT0" - WQE HOUSEKEEPING REQUIRED
		.1..		UCMSYSJ	"BIT1" - HARDCOPY TO BE WRITTEN
85	(55)	X'20'	0	UCM_STANDBY_CONSOLES_CHECKED	"Bit2" - Consoles in standby mode and LOGON(AUTO) have been checked to see if the LOGON was done.
		...1		UCMRSVC6	"BIT3" - Reserved - was UCMSYSL (console switch sounding console alarm on device)
		.... 1...		UCMRSVF9	"BIT4" - Reserved - was UCMSYSM (FAILING CONSOLE IS COMPOSITE)
		.... .1..		UCMSYSN	"BIT5" - DISPLAY CONSOLES ACTIVE
		.... ..1.		UCMSYSO	"BIT6" - DUMMY ATTENTION BY WTL
		1		UCMRSVC7	"BIT7" - Reserved - was UCMSYSP (Console switch sounding main power alarm on device)
86	(56)	BITSTRING	2	UCMMCS_RSV01	- Reserved. Was UCMWTORT
88	(58)	SIGNED	4	UCMCMID	- MSG IDENTIFICATION NUMBER
92	(5C)	ADDRESS	4	UCM_IEAVMQWR_DYNAMIC@	Address of dynamic area used by IEAVMQWR
96	(60)	SIGNED	1	UCMRSVC9	- Reserved - was UCMXCT (External interrupt count)
97	(61)	ADDRESS	1	UCMMFLG3	- MISCELLANEOUS CONTROL FLAGS
		1...		UCMREFSH	"BIT0" - XMCS REFRESH DATA FROM OTHER SYSTEMS
		.1..		UCMRSVB5	"BIT1" - Reserved - was UCMLOGSW (Syslog was switched)

Table 525. Structure UCMPRFX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		UCM_SYSTEM_IS_PARTITIONING	"BIT2" - When ON, this system is being partitioned.
97	(61)	X'10'	0	UCM_WTO_SVC_SWAPPED	"Bit3" - IPL process has progressed so the normal WTO SVC is now active
		.... 1...		UCMMRSV4	"BIT4" - RESERVED
		.... .1..		UCMMRSV5	"BIT5" - RESERVED
		.... ..1.		UCMMRSV6	"BIT6" - RESERVED
		1		UCMMRSV7	"BIT7" - RESERVED
98	(62)	ADDRESS	2	UCMNIPD	- NIP OR SYNCH I/O DELAY IN SECONDS SEE MEMBER CONDELAY IN SAMPLIB FOR INSTRUCTIONS ON USING THIS FIELD
100	(64)	ADDRESS	4	UCMRSV03	- Reserved (was UCMDOMT)
104	(68)	BITSTRING	24	UCMXSA(0)	- 6-WORD PARAMETER LIST FOR SVC 72
104	(68)	ADDRESS	4	UCM1WD	- PTR TO 3RD WORD OF SVC 72 PARM LIST
108	(6C)	ADDRESS	4	UCM2WD	- 2ND WORD OF SVC 72 PARM LIST
112	(70)	ADDRESS	4	UCM3WD	- 3RD WORD OF SVC 72 PARM LIST
116	(74)	ADDRESS	4	UCM4WD	- 4TH WORD OF SVC 72 PARM LIST
120	(78)	ADDRESS	4	UCM5WD	- 5TH WORD OF SVC 72 PARM LIST
124	(7C)	ADDRESS	4	UCM6WD	- 6TH WORD OF SVC 72 PARM LIST
128	(80)	ADDRESS	4	UCMDUCBA	ADDRESS OF DUMMY UCB
132	(84)	ADDRESS	4	UCMCUCME	- CURRENT UCME
136	(88)	SIGNED	4	UCMOPSEO	- OPERLOG task is to be activated
140	(8C)	ADDRESS	1	UCMMFLG4	- Miscellaneous flags
		1...		UCMOPSS	"BIT0" - OPERLOG specified in CONSOLxx or VARY OPERLOG,HARDCOPY issued
		.1..		UCMOPSA	"BIT1" - OPERLOG active
		..1.		UCMOPSV	"BIT2" - OPERLOG is being activated
		...1		UCMOPSD	"BIT3" - OPERLOG is to be detached
		.... 1...		UCMOPSEA	"BIT4" - OPERLOG is activated at least once
		.... .1..		UCMOPLGF	"BIT5" OperLog Failure. Set by CNZQ1OLG when CNZ4201E and D C,HC need to be issued. Checked by IEAVN701 following the DETACH of CNZQ1OLG and, when on, CNZ4201E and D C,HC will be issued there.
		.... ..1.		UCMOPS6	"BIT6" - Reserved
		1		UCMOPS7	"BIT7" - Reserved
141	(8D)	ADDRESS	3	UCMRSV69	- RESERVED
144	(90)	SIGNED	4		- Reserved. Was UCMOPSET
148	(94)	SIGNED	4	UCMOPSES	- OPERLOG active ECB
152	(98)	SIGNED	4	UCMOPSEP	- OPERLOG to be stopped ECB
156	(9C)	ADDRESS	1	UCMSDS1	- SDS FLAGS
		1...		UCMSDS1A	"BIT0" - STCMDS SPECIFIED FOR V SYSLOG,HARDCPY

Table 525. Structure UCMPRFX (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		UCMSDS1B	"BIT1" - INCMDS SPECIFIED FOR V SYSLOG,HARDCPY
		..1.		UCMRSVF4	"BIT2" - Reserved - was UCMSDS1C (STCMDS SPECIFIED FOR V XXX,HARDCPY)
		...1		UCMRSVF5	"BIT3" - Reserved - was UCMSDS1D (INCMDS SPECIFIED FOR V XXX,HARDCPY)
		.... 1...		UCMRSVF6	"BIT4" - Reserved - was UCMSDS1E (CMDS SPECIFIED FOR V XXX,HARDCPY)
		.... .1..		UCMRSVF3	"BIT5" - Reserved - was UCMPRTHC (Printer Console was the hardcopy log)
		.... ..1.		UCMRSV08	"BIT6" - RESERVED
		1		UCMRSV09	"BIT7" - RESERVED
157	(9D)	ADDRESS	1	UCMMISCF	- MISCELLANEOUS BITS
		1...		UCMRSV91	"BIT0" - Reserved (was UCMJ3CBS)
		.1..		UCMRSV92	"BIT1" - Reserved (was UCMJ3SAE)
		..1.		UCMWU100	"BIT2" - WQE UTILIZATION HAS REACHED 100%, BUT HAS NOT DROPPED TO 95%
		...1		UCMRSV98	"BIT3" - RESERVED (was UCMENFDM)
		.... 1...		UCMWU400	"BIT4" - Out of WQEs
		.... .1..		UCMWDONE	"BIT5" - WQE shortage has been processed
		.... ..1.		UCMRSV0B	"BIT6" - RESERVED
		1		UCMRSV0C	"BIT7" - RESERVED
158	(9E)	BITSTRING	2	UCMEXITF(0)	- Exits flags
158	(9E)	BITSTRING	1	UCMEXIT1	- 1st byte of Exits flags
		1...		UCMM2SLX	"BIT0" - There are exit routines active on the CNZ_MSGTOSYSLOG exit point
		.1..		UCMWMDX	"BIT1" - There are exit routines active on the CNZ_WtoMdbExit exit point
159	(9F)	BITSTRING	1	UCMEXIT2	- 2nd byte of Exits flags
		POINTERS TO UCM MCS PREFIX AND UCM EXTENSION LOCATED IMMEDIATELY PRECEDING UCM BASE SECTION			
160	(A0)	ADDRESS	4	UCM2PTR	- ADDRESS OF UCM EXTENSION (OS/VS2 ONLY)
164	(A4)	ADDRESS	4	UCMPRFXP	- ADDRESS OF UCM MCS PREFIX

Table 526. Structure UCM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCM	, - START OF UCM BASE FIXED ECBS
0	(0)	SIGNED	4	UCMRSVD0	- In use as a dummy ECB for IEAVMQWRs ECB list
4	(4)	SIGNED	4	UCMAECB	- ATTENTION INTERRUPT ECB
8	(8)	SIGNED	4	UCMOECB	- WTO/WTOR REQUEST ECB
12	(C)	SIGNED	4	UCMDECB(0)	- DOM REQUEST ECB

Table 526. Structure UCM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	SIGNED	4	UCMLECB	- WTL REQUEST ECB
16	(10)	SIGNED	4	UCMUECB	- User state event ECB
20	(14)	ADDRESS	4	UCMLSTP	- ADDRESS OF EVENT INDICATION LIST (EIL) WTO/WTOR CONTROL FIELDS
24	(18)	ADDRESS	4	UCMWTOQ	- ADDRESS OF FIRST WQE (SYSOUT QUEUE)
28	(1C)	ADDRESS	4	UCMRPYQ	- ADDRESS OF FIRST ORE (REPLY-Q ELEMENT)
32	(20)	ADDRESS	4	UCMRPYIP	- Address of Reply ID Table, if in local mode Address of SARI if in sysplex mode, and UPMRPYLV = 1
36	(24)	SIGNED	4	UCMRMAX	- RMAX value - maximum reply id
40	(28)	BITSTRING	2	UCMRPYF(0)	- Reply Flags
40	(28)	BITSTRING	1	UCMRPYF1	- First byte of Reply Flags
		1...		UCMRPY0I	"BIT0" - ON = Reply ID 0 is in use OFF = Reply ID 0 is available
		.1..		UCMENHR	"BIT1" - Enhanced short-form REPLY supported
41	(29)	BITSTRING	1	UCMRPYF2	- Second byte of Reply Flags
42	(2A)	BITSTRING	2	UCMRPYIL	- Length of Reply ID table pointed to by UCMRPYIP
44	(2C)	SIGNED	2	UCMRQLM	Reply id assignment limit
46	(2E)	SIGNED	2	UCMWQLM	- WQE BUFFER LIMIT
48	(30)	SIGNED	4	UCMB_RSV004	- Reserved. Was UCMWQRSV
52	(34)	SIGNED	4	UCMWQNR	- CURRENT WQE COUNT
56	(38)	SIGNED	2	UCMRQNR	- CURRENT ORE COUNT
		THE FOLLOWING FIELD IS USED TO CALCULATE THE LENGTH OF A UTOKEN. IF THE SIZE OF A UTOKEN EVER CHANGES, CHANGE THIS FIELD ONLY.			
56	(38)	X'50'	0	UCMUSIZE	"80" UTOKEN DEFAULT SIZE
56	(38)	X'5E'	0	UCMUCASZ	"94" UTOKEN SIZE + COMPRESSED ACEE STRUCTURE SIZE
58	(3A)	SIGNED	2	UCMULGTH	UTOKEN LENGTH
60	(3C)	SIGNED	4	UCMWQEND	- ADDRESS OF LAST WQE - OR ZERO
64	(40)	ADDRESS	4	UCMPXA	- ADDR OF COMMUNICATIONS TASK TCB (OS/VS2)
68	(44)	BITSTRING	1	UCMPXB(0)	
68	(44)	ADDRESS	1	UCMMODE	- MODE FLAGS
		1...		UCMCTIC	"BIT0" - COMMTASK INITIALIZATION COMPLETE
		.1..		UCMSPLXQ	"BIT1" - ON= SYSTEM CAPABLE OF SYSPLEX FUNCTIONS, AND RMAX CAN BE > 99
		..1.		UCMTPUTA	"BIT2" - TPUTTER IS ACTIVE (OS/VS2) MDC017
		...1		UCMSYPLX	"BIT3" - ON= SYSTEM IS A MEMBER OF A SYSPLEX

Table 526. Structure UCM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		UCM_DWNLVL_UCMAMFA	"BIT4" - Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (Accept V MSTCONS from any console)
		.... .1..		UCMOGCE	"BIT5" - ONLY DISPLAY CONSOLES ACTIVE
		.... ..1.		UCMFSTAT	"BIT6" - RACF OPERCMDS CLASS IS ACTIVE
		1		UCM1SYS	"BIT7" - ON= CURRENTLY THERE EXISTS ONE AND ONLY ONE SYSTEM IN SYSPLEX
69	(45)	BITSTRING	1	UCMAMRF	- ACTION MESSAGE RETENTION FACILITY FLAGS (MDC445)
		1...		UCMAMRFA	"BIT0" - IF ON, THE ACTION MESSAGE RETENTION FACILITY IS ACTIVE (MDC446)
		.1..		UCMRSV77	"BIT1" - Reserved (moved UCMAMRFF)
		..1.		UCMRSV78	"BIT2" - RESERVED
		...1		UCMRSV79	"BIT3" - Reserved (moved UCMABUFF)
		.... 1...		UCMAMRFC	"BIT4" - IF ON, ACTIVATE THE ACTION MESSAGE RETENTION FACILITY
		.... .1..		UCMEXSSI	"BIT5" - IF ON, AN EXIT OR SSI IS ACTIVE UNDER THE COMM TASK
		.... ..1.		UCMAMRFR	"BIT6" - Perform AMRF Repair
		1		UCMRSV81	"BIT7" - RESERVED
70	(46)	ADDRESS	1	UCMVRSN	VERSION LEVEL
70	(46)	X'1'	0	UCMSP13	"1" - VERSION LEVEL FOR OS/VS2 JBB1326
70	(46)	X'2'	0	UCMSP211	"2" - VERSION LEVEL FOR OS/VS2 JBB2110
70	(46)	X'3'	0	UCMSP220	"3" - VERSION LEVEL FOR OS/VS2 JBB2220
70	(46)	X'4'	0	UCMSP410	"4" - VERSION LEVEL FOR OS/VS2 HBB4410
70	(46)	X'5'	0	UCMSP420	"5" - VERSION LEVEL FOR MVS/ESA HBB4420
70	(46)	X'6'	0	UCMSP422	"6" - VERSION LEVEL FOR MVS/ESA JBB4422
70	(46)	X'7'	0	UCMSP440	"7" - VERSION LEVEL FOR MVS/ESA HBB5510
70	(46)	X'8'	0	UCMSP51X	"8" - VERSION LEVEL FOR WTO FLOOD APARS
70	(46)	X'9'	0	UCMZV1R5	"9" - VERSION LEVEL FOR z/OS HBB7708 overridden by rollback to 142
70	(46)	X'A'	0	UCMZV142	"10" - VERSION LEVEL FOR z/OS JBB7727
70	(46)	X'F'	0	UCMZV180	"15" - VERSION LEVEL FOR z/OS HBB7730 V1R8
70	(46)	X'F'	0	UCMVRID	"UCMZV180" - VERSION LEVEL VALUE

Table 526. Structure UCM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
71	(47)	BITSTRING	1	UCMMODE2	- MODE FLAGS #2
		1...		UCMOVRDE	"BIT0" - ON -> NOJES3 SPECIFIED ON THE CON= STATEMENT.
		.1..		UCMLOGS	"BIT1" - OK for IEAVM601 to send to syslog
		..1.		UCMMD202	"BIT2" - RESERVED
		...1		UCMHCENT	"BIT3" - ON-> HCFORMAT=CENTURY specified in CONSOLxx, 4-digit years in SYSLOG
		.... 1...		UCMMCSF	"BIT4" - ON -> Console device initialization at IPL is finished.
		.... .1..		UCMB_RSV001	"BIT5" - Reserved. Was UCMCFCPX
		.... ..1.		UCM_DEFAULT_RC11	"BIT6" - ON-> default routing code 11 was specified
		1		UCM_EMCS_CONSOLE_REMOVAL_DONE	"BIT7" - ON-> A gap in the ODTE (created by removing an EMCS console) once existed on this system
		THE FOLLOWING FIELDS ARE USED FOR ACCESSING UCM INDIVIDUAL DEVICE ENTRIES. THEY MUST BE DEFINED IN THE ORDER SHOWN.			
72	(48)	CHARACTER	12	UCMVDATA(0)	- UCM ENTRY ACCESSING DATA
72	(48)	ADDRESS	4	UCMVEA	- ADDRESS OF FIRST UCM ENTRY
76	(4C)	ADDRESS	4	UCMVEZ	- LENGTH OF A UCM ENTRY
80	(50)	ADDRESS	4	UCMVEL	- ADDRESS OF LAST UCM ENTRY
		SAVE AREA FOR REFRESHABILITY ROUTINES			
84	(54)	ADDRESS	4	UCMDOMLE	- ADDRESS OF LAST DOM ELEMENT
88	(58)	ADDRESS	4	UCMDIDL	- Address of deferred reply id table To preserve serialization, this table may only be accessed by IEAVMDOM
92	(5C)	BITSTRING	1	UCMRPYLV	- Reply id get/free method in use: X'00' - local or pre-SP5.1.0 X'01' - sysplex, and >= SP5.1.0
		The following SMCS Failure Status bits should be manipulated via Compare & Swap			
93	(5D)	BITSTRING	1	UCMS_FAILURE_STATUS	SMCS failure status
		1...		UCMS_SMCS_ACTIVE	"BIT0" - SMCS is active (ACB has been opened)
		.1..		UCMS_SMCS_CLOSING_NORMAL	"BIT1" - SMCS is shutting down normally (HALT NET command)
		..1.		UCMS_SMCS_CLOSING_QUICK	"BIT2" - SMCS is shutting down quickly (HALT NET,QUICK command)
		...1		UCMS_SMCS_CLOSING_ABNORMAL	"BIT3" - SMCS is shutting down abnormally (HALT NET,CANCEL command). No VTAM functions should be issued except closing the ACB

Table 526. Structure UCM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		UCMS_SMCS_CLOSING_FAILURE	"BIT4" - SMCS is shutting down due to a failure in the SMCS code
		.... .1..		UCMS_SMCS_FAILED	"BIT5" - SMCS has failed during this IPL
		.... ..1.		UCMS_SMCS_FAILED_NO_RETRY	"BIT6" - SMCS has failed and will not be restarted. An IPL is needed to restart SMCS
94	(5E)	CHARACTER	2	UCMS_VTAM_ACCESS_WAITTIME	Number of seconds SMCS should wait between attempts to contact VTAM
96	(60)	SIGNED	4		- Reserved. Was UCMOPSEC
100	(64)	CHARACTER	8	UCMVSTKN	- STOKEN of the ASCB that is activating OPERLOG
108	(6C)	CHARACTER	16		- Reserved. Was UCMSTRNM
124	(7C)	SIGNED	4	UCMSWECB	- ECB posted when Comm Task should call IEAVSWSC
128	(80)	ADDRESS	4	UCMUPEA	- Pointer to UCM Private Extension Above the line
132	(84)	ADDRESS	4	UCMUPEB	- Pointer to UCM Private Extension Below the line
136	(88)	SIGNED	4	UCMB_MAX#_WQES	Max number of WQEs
140	(8C)	SIGNED	4	UCMSAVE4(16)	- SAVE AREA FOR IEAVCTSK MDC034
204	(CC)	SIGNED	4	UCMB_RSV003	- Reserved. Was UCMR9SV
		THE FIELDS DEFINED FOLLOWING THIS STATEMENT ARE PRESENT ONLY IN VARIABLE MODE SYSTEMS (OS/VS2)			
208	(D0)	DBL WORD	8	(0)	- DOUBLEWORD BOUNDARY ALIGNMENT
208	(D0)	ADDRESS	4	UCMMNTR	- ADDRESS OF MONITOR ROUTINE MDC003
212	(D4)	SIGNED	4	UCMMNECB	- ECB INDICATING MONITOR TPUTS TO DO MDC004
216	(D8)	SIGNED	4	UCMTRECB	- ECB INDICATING TPUTTER SHOULD TERMINATE MDC005
220	(DC)	ADDRESS	4	UCMMQPTR	- POINTER TO FIRST ELEMENT ON MONITOR QUEUE MDC006
224	(E0)	ADDRESS	4	UCMMQEND	- POINTER TO LAST ELEMENT ON MONITOR QUEUE MDC007
228	(E4)	ADDRESS	4	UCMMQNXT	- POINTER TO NEXT ELEMENT ON MONITOR QUEUE TO BE PROCESSED MDC008
232	(E8)	ADDRESS	4	UCMMBPTR	- POINTER TO FIRST ELEMENT ON MONITOR MESSAGE BLOCK QUEUE MDC025
236	(EC)	SIGNED	1	UCMXSLID	- XCF Slot id of this system
237	(ED)	CHARACTER	1	UCMBMPFS	- HARDCOPY MESSAGE SUPPRESSION INDICATOR (MDC475)
238	(EE)	SIGNED	2	UCMWQLM1	- IPL-SPECIFIED WQE BUFFER LIMIT MDC011
240	(F0)	ADDRESS	4	UCMBFEXT	- ADDRESS OF UCM FIXED EXTENSION BASE (MDC379)
244	(F4)	ADDRESS	4	UCMRP2AD	- POINTER TO REPLY PROCESSOR, STAGE 2 MDC013

Table 526. Structure UCM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
248	(F8)	SIGNED	2	UCMCHKHG	- Number of elapsed seconds that triggers the ending of unended hung MLWTOs
250	(FA)	SIGNED	2	UCMCTID	- ASID OF COMMUNICATIONS TASK MDC015
252	(FC)	ADDRESS	4	UCMMBEND	- POINTER TO LAST ELEMENT ON MONITOR MESSAGE BLOCK QUEUE MDC026
256	(100)	SIGNED	4	UCMWQECT	- MLIM countdown for DQCLNUP in IEAVMDSV
260	(104)	ADDRESS	4	UCMB_LAST_ORE@	- ORE queue tail pointer
264	(108)	ADDRESS	4	UCMOECBH	- POINTER TO START OF ORE ECB CHAIN MDC029
268	(10C)	ADDRESS	4	UCMOECBT	- POINTER TO END OF ORE ECB CHAIN MDC030
272	(110)	SIGNED	4	UCMORECP	- ORE CELLPOOL ID MDC031
276	(114)	ADDRESS	4	UCMUREFP	- ADDRESS OF UCME LOOK-UP REF ROUTINE
280	(118)	ADDRESS	4	UCMASCB	- ASCB ADDRESS OF COMMUNICATIONS TASK MDC036
284	(11C)	ADDRESS	4	UCMSWCH	- ADDRESS OF IEAVSWCH
288	(120)	ADDRESS	4	UCMFRRAD	- ADDRESS OF COMMUNICATIONS TASK'S RECOVERY ROUTINE (IEAVMFRR) MDC047
292	(124)	ADDRESS	4	UCMWAKUP	- ADDRESS OF COMMUNICATIONS TASK'S POST ERROR RECOVERY ROUTINE (IEAVMEST, ALIAS FOR IEAVMFRR) MDC048
296	(128)	ADDRESS	4	UCMJES3T	- ADDRESS OF SUBSYSTEM ASCB (MDC300)
300	(12C)	BITSTRING	1	UCMB_MODE_FLAGS	Flags for Dist Mode
		.1..		UCMB_DIST_MODE	"BIT1" System in in Distributed mode
		..1.		UCMB_MODE_DONT_CARE_REQUESTED	"BIT2" CON= during IPL did not specify a mode value
		...1		UCMB_MODE_SHARED_REQUESTED	"BIT3" CON= during IPL specified Shared Mode
		.... 1...		UCMB_MODE_DIST_REQUESTED	"BIT4" CON= during IPL specified Distributed Mode
		.... .1..		UCMB_MODE_IN_TRANSITION	"BIT5" A migration is in progress so some services may not be available
		.... ..1.		UCMRSV49	"BIT6,,C'X'" - RESERVED MDC033
		1		UCMRSV50	"BIT7,,C'X'" - RESERVED MDC033
301	(12D)	ADDRESS	1	UCMB_DCCF_WTOR_ROLL_TO_NEXT_CONSOLE_TIME	Time (in seconds) to display a SYNCH WTOR (DCCF) before moving the WTOR to another console
302	(12E)	SIGNED	2	UCMAMRMX	- MAXIMUM NUMBER OF AMRQ ENTRIES
304	(130)	ADDRESS	4	UCMCONVP	- ADDRESS OF CONVCON PROCESSOR CNZC1CVC
308	(134)	ADDRESS	4	UCMCMDQR	- ADDRESS OF COMMAND QUEUER IEAVC700 (MDC399)

Table 526. Structure UCM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
312	(138)	ADDRESS	4	UCMQSCAN	- ADDRESS OF QUEUE SCANNER IEAVQ700 (MDC400)
316	(13C)	ADDRESS	4	UCMCMDPT	- POINTER TO COMMANDS TO BE ISSUED BY COMMUNICATIONS TASK (MDC401)
320	(140)	CHARACTER	4	UCMCBID	- CONTROL BLOCK ID OF 'UCM' (MDC470)
324	(144)	SIGNED	4	UCMB_BWRBLIMIT	- Limit on the number of queued BWRBs before BEWTOs will be rejected. A value of 0 means no limit checking is done
328	(148)	ADDRESS	4	UCMINTCB	- IEAVN701 TCB ADDRESS
332	(14C)	ADDRESS	4	UCMVWTCB	- IEEVWAIT TCB ADDRESS
336	(150)	ADDRESS	4	UCMWQADA	- IEAVH600 AUTO DATA AREA POINTER
340	(154)	SIGNED	4	UCMCQECP	- CQE CELLPOOL ID
344	(158)	SIGNED	4	UCMSSIBP	POINTER TO THE LIFE OF JOB SSIB FOR COMMUNICATION TASK
348	(15C)	SIGNED	2	UCMBRDST	- COUNT OF REQUESTS TO HAVE WTOS BROADCAST TO ALL SUBSYSTEMS
350	(15E)	SIGNED	2	UCMRSV67	- RESERVED
352	(160)	SIGNED	4	UCMR0MSG	- DOM ID of reply id 0 message IEA557A
356	(164)	ADDRESS	4	UCMMTSRP	- ADDRESS OF TEXT SERVICE ROUTINE (IEAVG714)
360	(168)	ADDRESS	4	UCMNWTOP	- POINTER TO IHANWTO (NIP WTO BUFFER)
364	(16C)	ADDRESS	4	UCMSBPTR	- POINTER TO SBC
368	(170)	ADDRESS	4	UCM_CNZS1WTO	Address of CNZS1WTO
372	(174)	ADDRESS	4	UCM_CNZS1DOM	Address of CNZS1DOM
376	(178)	BITSTRING	8	UCM_MEMTOKEN	Memtoken used by CNZXCSND for the XCF IXCMSGO message out service
384	(180)	BITSTRING	16	UCMOWTOR	DEFAULT ROUTING CODES FOR WTO/WTOR MACROS
400	(190)	ADDRESS	4	UCM_CNZMYTSK_ADDR	"V(CNZMYTSK)" Address of task table
404	(194)	SIGNED	4	UCMB_CS(0)	Bits manipulated via Compare and Swap
404	(194)	BITSTRING	1	UCMB_CS1	Byte 1
		1...		UCMB_SWITCH_NOT_SUPPORTED	"BIT0" If on, Console Switch and the SWITCH CN command are not supported. This may be reused once z/OS 1.7 (and below) goes out of service
		.1..		UCMB_UNSWITCH_CONSOLES	"BIT1" All consoles that have been switched should be unswitched. This may be reused once z/OS 1.7 (and below) goes out of service
		..1.		UCMB_MSGLOSS_NOT_SUPPORTED	"BIT2" If on, message loss detection is not supported. This may be reused once z/OS V1R9 (and below) goes out of service.

Table 526. Structure UCM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
404	(194)	X'10'	0	UCMB_MSGLOSS_NOTIFY_TIM	"Bit3" If on, notify CNZM1TIM to either DOM outstanding Msg Loss messages (when UCMB_MsgLoss_Not_Supported is On) or conduct message loss (when UCMB_MsgLoss_ Not_Supported is Off). This may be reused once z/OS V1R9 (and below) goes out of service.
404	(194)	X'8'	0	UCMB_BIGACEE_NOTSUPPORTED	"Bit4" If on, all systems have OA26204 installed and can handle "big acee" processing - can be removed when 1.12 is the lowest supported release
405	(195)	BITSTRING	1	UCMB_CS2	Byte 2
406	(196)	BITSTRING	1	UCMB_CS3	Byte 3
407	(197)	BITSTRING	1	UCMB_CS4	Byte 4
408	(198)	ADDRESS	4	UCM_IEAVG607	Address of IEAVG607
412	(19C)	SIGNED	4	UCMB_IEAVBWGL_STIMER_VALUE	Interval to wait before the next attempt to get SYSZNIP.CONSOLE
416	(1A0)	ADDRESS	8	UCMB_ART@	- Address of Auto Reply Table (ART) 64-bit pointer
424	(1A8)	ADDRESS	4	UCMB_TEXTTABLEADDR	"V(CNZMMTBL)" Address of CNZ message text table. Available during NIP
428	(1AC)	SIGNED	4	UCMB_SBCXBWC_ELEMENTS	Number of in use elements in the SBCXBWC cell pool. Serialization: CS
432	(1B0)	SIGNED	4	UCM_RESERVE1(4)	Reserved

Table 527. Structure UCMEIL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCMEIL	, - START OF EIL
0	(0)	ADDRESS	1		LENGTH OF EIL (IN WORDS)
1	(1)	BITSTRING	1	UCMRSV62	- RESERVED
2	(2)	SIGNED	1	UCMRTCT	- ROUTE COUNT
3	(3)	BITSTRING	1	UCMRSV15	- RESERVED
4	(4)	SIGNED	4	UCMRPYL	LAST ASSIGNED REPLY ID (Local mode only)
8	(8)	ADDRESS	4	UCMRSVD1	- Reserved - was UCMXECBA (Addr of EXTERNAL INTERRUPT ECB) REUSE OF THIS REQUIRES UPDATING IEAVMQWR CTWSTART
12	(C)	ADDRESS	4	UCMAECBA	- ADDRESS OF ATTENTION INTRPT ECB
16	(10)	ADDRESS	4	UCMOECBA	- ADDRESS OF WTO/R REQUEST ECB
20	(14)	ADDRESS	4	UCMDECBA	- ADDRESS OF DOM REQUEST ECB
24	(18)	ADDRESS	4	UCMUECBA	- Address of User State Event ECB
28	(1C)	ADDRESS	4	UCMRSVD2	- Reserved - was UCMWECBA Points to dummy ECB - UCMRSVD0

Table 527. Structure UCMEIL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		THE FOLLOWING PART OF THE EIL IS A LIST OF POINTERS TO I/O ECBS FOR EACH CONSOLE DEVICE DEFINED IN THE SYS1.PARMLIB, CONSOLXX. FOR OS/VS2, THE LIST CONTAINS A MINIMUM OF 2 ENTRIES. THE LIST IS VARIABLE ONLY IN IEECVUCM. THE LAST ENTRY HAS A HIGH-ORDER BYTE OF X'80'			
32	(20)	SIGNED	4	UCMIECBA(0)	- I/O ECB PTR LIST ENTRY MAPPING
32	(20)	CHARACTER	1	UCMIECBF	- I/O ECB PTR LIST LAST ENTRY FLAG
		1...		UCMIECBE	"BIT0" ECB END OF LIST INDICATOR
33	(21)	ADDRESS	3	UCMIECBP	- ADDR OF I/O REQUEST ECB

Table 528. Structure UCMLIST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCMLIST	, - START OF DEVICE ENTRY
0	(0)	ADDRESS	4	UCMECB	- I/O COMPLETION ECB
		1111 1..1		UCMECBF9	"X'F9'" - UCMECB POST CODE - RECEIVE MUST BE ISSUED AGAIN
		1111 1.1.		UCMECBFA	"X'FA'" - UCMECB POST CODE - I/O IS TO BE RE-ISSUED AGAIN
		1111 1.11		UCMECBFB	"X'FB'" - UCMECB POST CODE - PROCESS LOGON
		1111 11..		UCMECBFC	"X'FC'" - UCMECB POST CODE - CLEAR CONSOLE
		1111 11.1		UCMECBFD	"X'FD'" - UCMECB POST CODE - K V COMMAND WAS ISSUED (MDC450)
		1111 111.		UCMECBFE	"X'FE'" - UCMECB POST CODE - ROUTED COMMAND (MDC451)
		1111 1111		UCMECBFF	"X'FF'" - UCMECB POST CODE - READY TO ROLL (MDC452)
4	(4)	ADDRESS	4	UCMSBR	- ADDRESS OF RESIDENT PROCESSOR MODULE MDC020
8	(8)	ADDRESS	4	UCMDCB	- ADDRESS OF DCB
12	(C)	ADDRESS	4	UCMUCB	- UCB NAME (DEV ADDR) OR PTR TO UCB
16	(10)	CHARACTER	8	UCMNAME	- PROCESSING MODULE NAME
24	(18)	BITSTRING	1	UCMSTS	- STATUS FLAGS
		1...		UCMAF	"BIT0" - ATTENTION PENDING
		.1..		UCMPF	"BIT1" - OUTPUT PENDING
		..1.		UCMBF	"BIT2" - DEVICE BUSY
		...1		UCMCF	"BIT3" - CLOSE PENDING
		.... 1...		UCMTA	"BIT4" - OPEN PENDING
		.... .1..		UCMTB	"BIT5" - DEQ APPROPRIATE OUTPUT QUEUE ENTRIES
		.... ..1.		UCMEMCLS	"BIT6" - EMERGENCY CLOSE PENDING (MDC471)
		1		UCMTC	"BIT7" - CONSOLE HAS INLINE WTO
25	(19)	BITSTRING	1	UCMATR	- ATTRIBUTE FLAGS
		1...		UCMOF	"BIT0" - WTO SUPPORT
		.1..		UCMIF	"BIT1" - ATTENTION SUPPORT

Table 528. Structure UCMLIST (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		UCME_STANDBY_SUPPORTED	"BIT2" - Console supports standby mode
		...1		UCMUF	"BIT3" - DEVICE ACTIVE
		.... 1...		UCME_IN_STANDBY	"BIT4" - Console is in standby mode
		.... .1..		UCMAT04	"BIT5" - DEVICE STATUS TO CHANGE
		.... ..1.		UCMINCLR	"BIT6" - INTERNAL CLEAR REQUEST
		1		UCMGLBCH	"BIT7" - INDICATOR TO RECOVERY THAT SYSPLEX GLOBAL DATA HAS BEEN CHANGED
26	(1A)	SIGNED	2	UCMXA(0)	
26	(1A)	CHARACTER	1	UCMID	- UCME SLOT NUMBER
27	(1B)	BITSTRING	1	UCMEDEVX	- DEVICE TYPE INDEX (MDC472)
		EQU X'03' - Was 2540/2501/3505/3525 EQU X'04' - Was 2740			
		.... .11.		UCM3211	"X'06'" - 3211/1403 DEVICE
		.... .111		UCM3215	"X'07'" - SUBSYSTEM ALLOCATABLE CONSOLE
		.... 1..1		UCM32772	"X'09'" - 3277-2 DEVICE (MDC472)
		.... 1.11		UCM32782	"X'0B'" - 3278-2 DEVICE (MDC472)
		.... 11..		UCM3782A	"X'0C'" - 3278-2A DEVICE (MDC472)
		.... 11.1		UCM32783	"X'0D'" - 3278-3 DEVICE (MDC476)
		.... 111.		UCM32784	"X'0E'" - 3278-4 DEVICE (MDC476)
		 1111		UCM3792A	"X'0F'" - 3279-2A DEVICE (MDC476)
		...1		UCM3792B	"X'10'" - 3279-2B DEVICE OR 24 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 ...1		UCM3793A	"X'11'" - 3279-3A DEVICE (MDC476)
		...1 ..1.		UCM3793B	"X'12'" - 3279-3B DEVICE OR 32 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 ..11		UCM3284	"X'13'" - 3284/3286 DEVICE (MDC476)
		...1 .1..		UCM3792C	"X'14'" - 3279-2C DEVICE
		...1 .1.1		UCM3270X	"X'15'" - 3270-X DEVICE
		...1 .11.		UCM2732E	"X'16'" - 27 X 132 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 .111		UCM3180E	"X'17'" - 31 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1...		UCM3160E	"X'18'" - 31 X 160 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1..1		UCM4380E	"X'19'" - 43 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1.1.		UCM6280E	"X'1A'" - 62 X 80 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 1.11		UCM6260E	"X'1B'" - 62 X 160 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM
		...1 11..		UCM5006E	"X'1C'" - 50 X 106 DEVICE WHICH SUPPORTS EXTENDED DATA STREAM

Table 528. Structure UCMLIST (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1 11.1		UCMRWCLE	"X'1D'" - SCREEN SIZE INDICATED BY UCMEPROW AND UCMEPCOL AND DEVICE SUPPORTS THE EXTENDED DATA STREAM
		...1 111.		UCMRWCLN	"X'1E'" - SCREEN SIZE INDICATED BY UCMEPROW AND UCMEPCOL AND DEVICE DOES NOT SUPPORT THE EXTENDED DATA STREAM
		...1 1111		UCMHMCS	"X'1F'" - HMCS located on the HMC
28	(1C)	ADDRESS	4	UCMXB	- ADDRESS OF RDCM(DISPLAY) OR ZERO
32	(20)	BITSTRING	1	UCMSDS5	- SDS FLAGS
		1...		UCMSDS5A	"BIT0" - MLWTO LINE NEEDED TO KEEP WRITING
		.1..		UCMSDS5B	"BIT1" - INLINE OUTPUT PENDING
		..1.		UCMSDS5C	"BIT2" - OUT-OF-LINE OUTPUT PENDING
		...1		UCMSDS5D	"BIT3" - K Q ISSUED FOR THIS CONSOLE
		.... 1...		UCMRSV30	"BIT4,,C'X'" - RESERVED
		.... .1..		UCMSDS5F	"BIT5" - FOR DISPLAY, UCMMLAST VALID
		.... ..1.		UCMSDS5G	"BIT6" - I/O HARDWARE IN OUTPUT-ONLY STATUS
		1		UCMSDS5H	"BIT7" Console is backlogged
33	(21)	BITSTRING	1	UCMDIDCS	DIDOCS global update flags. Available flag is forced on
		1...		UCMEGCHG	"BIT0" GLOBAL CHANGES OCCURRED FOR THIS CONSOLE
		.1..		UCMRSVD5	"BIT1" Reserved - was UCMENGUP (DO NOT ISSUE A A GLOBAL UPDATE FOR THIS CONSOLE)
		..1.		UCMAHERE	"BIT2" - ON= CONSOLE IS ACTIVE ON THIS SYSTEM
		...1		UCMINUSE	"BIT3" - ON= UCME IS IN USE
		.... 1...		UCMEFAIL	"BIT4" - Console has failed and console failure routine was invoked
		.... .1..		UCME_AVAILABLE_4_REUSE	"BIT5" UCME not in use
		.... ..1.		UCME_STANDBY_PENDING	"BIT6" Standby request for this console is pending
33	(21)	X'1'	0	UCME_DO_NOT_ENTER_STANDBY	"Bit7" Even if the console supports standby, don't get into standby mode
34	(22)	BITSTRING	1	UCMES_FLAGS	SNA MCS Flags
		1...		UCMES_SMCS	"BIT0" UCME is for a SMCS Console - Sysplex wide
		.1..		UCMES_ALLOC	"BIT1" Has been allocated by a system - Sysplex wide
		..1.		UCMES_ACTVE	"BIT2" SMCS Console is active - Local to system CS Should be used when setting bit

Table 528. Structure UCMLIST (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		UCMES_CLEANUP_IN_PROGRESS	"BIT3" Cleanup of SMCS UCME is in progress
		.... 1...		UCMES_LOGOFF_IN_PROGRESS	"BIT4" LOGOFF is running for this console
		.... .1..		UCMES_DEVICE_WAS_BUSY	"BIT5" IEECVSHT detected that the device was busy. Note: This flag is not cleared when UCMBF is cleared. It is normally only cleared when the I/O routines are SENDing output to an SMCS console (basically, when UCMBF is turned on.)
35	(23)	CHARACTER	1	UCMRSV86	- RESERVED
36	(24)	ADDRESS	4	UCMOUTQ	- ADDRESS OF CQE QUEUE (MDC301)
40	(28)	BITSTRING	2	UCMAUTH(0)	- COMMAND CODE AUTHORIZATION
40	(28)	BITSTRING	1	UCMAUTHA	- 1ST BYTE OF COMMAND CODE AUTH FLAGS
		1...		UCMAUTH1	"BIT0" - COMMAND GROUP 1 (SYS)
		.1..		UCMAUTH2	"BIT1" - COMMAND GROUP 2 (I/O)
		..1.		UCMAUTH3	"BIT2" - COMMAND GROUP 3 (CONS)
		...1		UCMRSV19	"BIT3,,C'X'" - RESERVED
		.... 1...		UCMRSV20	"BIT4,,C'X'" - RESERVED
		.... .1..		UCMRSV21	"BIT5,,C'X'" - RESERVED
		.... ..1.		UCMRSV22	"BIT6,,C'X'" - RESERVED
		1		UCMRSV23	"BIT7,,C'X'" - RESERVED
41	(29)	BITSTRING	1	UCMAUTHB	- 2ND BYTE OF COMMAND CODE AUTH FLAGS
42	(2A)	BITSTRING	2	UCMDISP(0)	- DISPOSITION FLAGS (2 BYTES)
42	(2A)	BITSTRING	1	UCMDISP1	- FIRST BYTE - DISPOSITION FLAGS
		1...		UCME_DWNLVL_MC	"BIT0" - Master Console Indicator on downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported.
		.1..		UCMDRSVB	"BIT1" - Reserved (formerly UCMDISPB)
		..1.		UCMDISPC	"BIT2" - DISPLAY CONSOLE
		...1		UCMDISPD	"BIT3" - OUTPUT ONLY
		.... 1...		UCMDISPE	"BIT4" - CONSOLE HAS FULL I/O CAPABILITY
		.... .1..		UCMDISPF	"BIT5" - Console is in Message Stream mode
		.... ..1.		UCMDISPG	"BIT6" - Console is in Status Display mode
		1		UCME_RSV03	"BIT7" - Reserved. Was UCMDISPH
43	(2B)	BITSTRING	1	UCMDISP2	- SECOND BYTE - DISPOSITION FLAGS
		1...		UCMDISPI	"BIT0" - DISPLAY TIME
		.1..		UCMDISPJ	"BIT1" - DISPLAY JOB NAME
		..1.		UCMDISPK	"BIT2" - SUBSYSTEM ALLOCATABLE INDICATOR
		...1		UCMDISPL	"BIT3" - CONSOLE IS DEDICATED TO A SYSTEM COMPONENT (SUBSYSTEM)

Table 528. Structure UCMLIST (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		UCMDISPM	"BIT4" - CONSOLE HAS MASTER AUTHORITY
		.... .1..		UCMDISPN	"BIT5" - DISPLAY SYSTEM NAME
		.... ..1.		UCMDISPX	"BIT6" - NO SYSTEM NAME AND JOB NAME DISPLAYED
44	(2C)	ADDRESS	4	UCMRSVA3(2)	- Reserved - was UCMALTEN (Alt console UCME addr) AND Reserved - was UCMOAOEN (address of output/alternate output UCME)
52	(34)	ADDRESS	4	UCMWLAST	- ADDRESS OF LAST CQE SERVICED IN OUTPUT QUEUE (MDC397)
56	(38)	ADDRESS	4	UCMRSVD6	- Reserved - was UCMCOMPC (ADDR OF OTHER - DEVICE ENTRY IF THIS IS A COMPOSITE CONSOLE)
60	(3C)	BITSTRING	2	UCMMSG(0)	- MESSAGE FLAGS
60	(3C)	BITSTRING	1	UCMMSG1	- FIRST BYTE - MESSAGE FLAGS
		1...		UCMMSGA	"BIT0" - 'MONITOR JOBNAMES' REQUESTED
		.1..		UCMMSGB	"BIT1" - 'MONITOR STATUS' REQUESTED
		..1.		UCMRSV70	"BIT2,,C'X'" - RESERVED (MDC377)
		...1		UCMMSGD	"BIT3" - RESQID REQUEST
		.... 1...		UCMRSV71	"BIT4,,C'X'" - RESERVED (MDC378)
		.... .1..		UCMMSGF	"BIT5" - MONITOR SESSIONS
		.... ..1.		UCMMSGG	"BIT6" - MONITOR WITH TIME
		1		UCMRSV27	"BIT7,,C'X'" - RESERVED
61	(3D)	BITSTRING	1	UCMMSG2	- SECOND BYTE - MESSAGE FLAGS
62	(3E)	BITSTRING	1	UCME_RSV01	- Reserved. Was UCMXOR
63	(3F)	BITSTRING	1	UCMDEVC	- DEVICE CONTROL FLAGS
		1...		UCMDEVA	"BIT0" - FULL SCREEN ON DISPLAY CONSOLES
		.1..		UCMRSVD7	"BIT1" - Reserved - was UCMDEVB ('PREPARE' COMMAND ISSUED)
		..1.		UCME_RSV02	"BIT2" - Reserved. Was UCMDEVCC
		...1		UCMDEVD	"BIT3" - DOM ISSUED
		.... 1...		UCMDEVE	"BIT4" - I/O COMPLETE
		.... .1..		UCMDEVF	"BIT5" - DCM MODIFIED FOR DOM
		.... ..1.		UCMRSVD8	"BIT6" - Reserved - was UCMDEVG (HIO ISSUED ON THE 2740)
		1		UCMRSVC0	"BIT7" - Reserved - was UCMVHRSN (CONSOLE I/O PATH AFFECTED)
64	(40)	ADDRESS	4	UCMMLAST	- ADDRESS OF LAST MINOR WQE HANDLED
68	(44)	ADDRESS	4	UCMRCT	- POINTER TO RCT
72	(48)	ADDRESS	4	UCMFEXTP	- ADDRESS OF UCME FIXED EXTENSION (MDC332)
76	(4C)	ADDRESS	4	UCMVMPL	- Address of VARY Message Parm List
76	(4C)	X'50'	0	UCMESIZE	"*-UCMLIST" - LENGTH (BYTES) OF INDIV DEVICE ENTRY
76	(4C)	X'0'	0	UCMEND	"*-UCMESIZE" - ADDR OF LAST DEVICE ENTRY
80	(50)	SIGNED	4	(0)	GET ON A WORD BOUNDARY
80	(50)	X'50'	0	UCM_ABEND077_0BAD	"*" ADDR OF ABEND 077 CODE

Table 529. Structure UCMFEXTA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCMFEXTA	, - UCM FIXED EXTENSION BASE (MDC304)
0	(0)	CHARACTER	4	UCMFUCMF	- ACRONYM IN EBCDIC -UCMF- (MDC305)
4	(4)	ADDRESS	4	UCMFPPTR	- ADDRESS OF UCM PAGEABLE EXTENSION BASE (MDC306)
8	(8)	CHARACTER	8	UCMFMGFS(0)	- FLAGS FOR FIXED EXTENSION BASE (MDC307)
8	(8)	BITSTRING	1	UCMFFLG1	- MESSAGE FLAGS (MDC308)
		1...		UCMFMSGE	"BIT0" - WQE SHORTAGE MESSAGE ISSUED (MDC309)
		.1..		UCMFMSGA	"BIT1" - WQE CRITICAL MESSAGE ISSUED (MDC310)
		..1.		UCMFRSVI	"BIT2" - Reserved - was UCMFMSGN (NO WQE THRESHOLD MESSAGES SHOULD BE ISSUED)
		EQU BIT3 - Reserved (was UCMFMSG1)			
		EQU BIT4 - Reserved (was UCMFMSG2)			
		EQU BIT5 - Reserved (was UCMFMSG3)			
		EQU BIT6 - Reserved (was UCMFMSG4)			
		EQU BIT7 - Reserved (was UCMFMSG5)			
9	(9)	BITSTRING	1	UCMFFLG2	- MESSAGE FLAGS (MDC313)
		1...		UCMFMSG6	"BIT0" - ACTION MESSAGE RETENTION FACILITY RESTART FAILED MESSAGE ISSUED (MDC453)
		EQU BIT1 - Reserved (was UCMFMSG7)			
		EQU BIT2 - Reserved (was UCMFMSG8)			
		...1		UCMFMSG9	"BIT3" - WTOR SHORTAGE MESSAGE ISSUED
		.... 1...		UCMFMSGB	"BIT4" - WTOR CRITICAL MESSAGE ISSUED
		.... .1..		UCMFUMPF	"BIT5" - CALL MPF FOR ALL MESSAGES
		EQU BIT6 - Reserved (was UCMFMSGC)			
		EQU BIT7 - Reserved (was UCMNHOLD)			
10	(A)	BITSTRING	1	UCMFFLG3	- QUEUE SCANNED FLAGS FOR ACTION MESSAGE RETENTION FACILITY (MDC454)
		1...		UCMFRQSD	"BIT0" - RETAINED MESSAGE QUEUE SCANNED (MDC455)
		.1..		UCMFIQSD	"BIT1" - RETAINED IMMEDIATE ACTION MESSAGE QUEUE SCANNED (MDC456)
		..1.		UCMFEQSD	"BIT2" - RETAINED EVENTUAL ACTION MESSAGE QUEUE SCANNED (MDC457)
		...1		UCMFCQSD	"BIT3" - RETAINED CRITICAL EVENTUAL ACTION MESSAGE QUEUE SCANNED
		.... 1...		UCMFRSVD	"BIT4" - RESERVED
		.... .1..		UCMFRSVE	"BIT5" - RESERVED

Table 529. Structure UCMFEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		UCMFRSVF	"BIT6" - RESERVED
		1		UCMFRSVG	"BIT7" - RESERVED
11	(B)	BITSTRING	1	UCMFMISC	- MISCELLANEOUS FLAGS
		1...		UCMFWRID	"BIT0" - DOM IDS HAVE WRAPPED
		.1..		UCMFCMIN	"BIT1" - MINOR LINE ADDED
		..1.		UCMFRSVH	"BIT2" - RESERVED
		...1		UCMFHOLD	"BIT3" - HOLDMODE SPECIFIED
		.... 1...		UCMF4RSV	"BIT4" - RESERVED
		.... .1..		UCMFLOGR	"BIT5" - LOGON(REQUIRED) SPECIFIED IN CONSOLXX
		.... ..1.		UCMFLOGA	"BIT6" - LOGON(AUTO) SPECIFIED IN CONSOLXX
		1		UCMFRACT	"BIT7" - RACF IS ACTIVE
12	(C)	ADDRESS	4	UCMFUTOK	- POINTER TO DEFAULT UTOKEN
16	(10)	SIGNED	2	UCMF60WQ	- 60% OF CURRENT WQE LIMIT
18	(12)	SIGNED	2	UCMF80WQ	- 80% OF CURRENT WQE LIMIT
20	(14)	SIGNED	2	UCMF95WQ	- 95% OF CURRENT WQE LIMIT
22	(16)	SIGNED	2	UCMF60OR	- 60% SPECIFIED ORE LIMIT
24	(18)	SIGNED	2	UCMF80OR	- 80% SPECIFIED ORE LIMIT
26	(1A)	BITSTRING	1	UCMFMIS2	- MISCELLANEOUS FLAG BYTE 2
		1...		UCMFPCOK	"BIT0" - CONSOLES PC TABLE HAS BEEN SETUP
26	(1A)	X'40'	0	UCMF_IEAVN701_INIT_COMPLETE	"Bit1" - IEAVN701 has completed initialization
		..1.		UCMRSV95	"BIT2" - RESERVED. Was UCMFHCUD.
		...1		UCMF_RSV01	"BIT3" - Reserved. Was UCMFMLSS
		.... 1...		UCMFSYNL	"BIT4" - There are systems that have no MCS consoles attached to them which can receive SYNCH messages
EQU BIT5 - Reserved - was UCMFMIX					
		.... ..1.		UCMFPCMP	"BIT6" - Footprint indicating that the scheduling by DCCF of the SRB for COMM Task has not completed yet
		1		UCMF440	"BIT7" - Indicates there are only 5.1 and above systems in a sysplex
27	(1B)	BITSTRING	1	UCMFSNL	- SYSTEM NAME LENGTH
28	(1C)	CHARACTER	4	UCMFRSVJ	- Reserved - was UCMFECBL (ECB list that IEAVMQWR waits on a no-consoles CONDITION) & UCMFXECB (ADDR OF EXTERNAL INTERRUPT ECB)
32	(20)	ADDRESS	4	UCMFWQES	- LAST SERVICED WQE POINTER
36	(24)	ADDRESS	4	UCMF_DWNLVL_UCMFATCN	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (Addr of UCME candidate for new master console)

Table 529. Structure UCMFEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
40	(28)	ADDRESS	4	UCMFE1ST	- ADDRESS OF FIRST UCME FIXED EXTENSION (MDC341)
44	(2C)	SIGNED	4	UCMFELEN	- LENGTH OF A UCME FIXED EXTENSION (MDC342)
48	(30)	ADDRESS	4	UCMFELST	- ADDRESS OF LAST UCME FIXED EXTENSION (MDC343) Deleted (was UCMFAMRP) 1
52	(34)	ADDRESS	4	UCMF_CNZC2HLN@	- Address of HMCS console I/O exit routine
56	(38)	ADDRESS	4	UCMRSV05	- Reserved (was UCMFIAMQ) DO NOT REUSE
60	(3C)	ADDRESS	4	UCMRSV06	- Reserved (was UCMFEAMQ) DO NOT REUSE
64	(40)	SIGNED	4	UCMFRMCP	- Pointer to the AMRF cell pool control block
68	(44)	SIGNED	2	UCMFAMRN	- NUMBER OF AMRQ ENTRIES (MDC412)
70	(46)	SIGNED	2	UCMF75MR	- 75% OF MAXIMUM AMRQ ENTRIES (MDC413)
72	(48)	SIGNED	2	UCMF80MR	- 80% OF MAXIMUM AMRQ ENTRIES (MDC414)
74	(4A)	SIGNED	2	UCMF95MR	- 95% OF MAXIMUM AMRQ ENTRIES (MDC415)
76	(4C)	SIGNED	2	UCMFIBSZ	- Number of cells in the first extent for the AMRF cell pool
78	(4E)	SIGNED	1	UCMFAMRS	- SUBPOOL OF ACTION MESSAGE RETENTION BUFFER (MDC417)
79	(4F)	SIGNED	1	UCMFEBSZ	- Number of cells in subsequent extents for the AMRF cell pool
80	(50)	ADDRESS	4	UCMFSAVP	- ADDRESS OF 72-BYTE SAVE AREA (MDC424)
84	(54)	ADDRESS	4	UCMFMPFP	- ADDRESS OF MPF TABLE (MDC475)
88	(58)	ADDRESS	4	UCMFCLRA	- ADDRESS OF COLOR/HIGHLIGHTING ATTRIBUTE TABLE
92	(5C)	ADDRESS	4	UCMGENXP	- ADDRESS OF GENERAL WTO USER EXIT IEAVMXIT TABLE (GENX)
96	(60)	ADDRESS	4	UCMRSV07	- Reserved (was UCMFCAMQ) DO NOT REUSE
100	(64)	CHARACTER	8	UCMFSYNM	- CURRENT SYSTEM NAME
108	(6C)	CHARACTER	1	UCMFSYID	- CURRENT SYSTEM ID
109	(6D)	CHARACTER	3	UCMFSVDM	- SAVED DOM ID
112	(70)	CHARACTER	4	UCMFDSQN	- DISPLAY SEQUENCE NUMBER (USED FOR D R AND K C ONLY)
116	(74)	BITSTRING	16	UCMFHCRT	- ROUTING CODES FOR SYSLOG
132	(84)	ADDRESS	4	UCMF043D	- ADDRESS OF SVC 34 LOAD MODULE (IEE0403D) IN COMM TASK STORAGE ONLY
136	(88)	ADDRESS	4		- Reserved (was UCMFLSTN)
140	(8C)	ADDRESS	4		- Reserved (was UCMFHCDA)
144	(90)	ADDRESS	4	UCMFSUBA	- POINTER TO IEECSUB (DIDOCS ROLL MODE TIMER FUNCTIONS)
148	(94)	CHARACTER	1	UCMFCMDL	- MULTIPLE COMMAND DELIMITER
149	(95)	BITSTRING	1	UCMFMIS3	- MISCELLANEOUS FLAG BYTE 3
150	(96)	CHARACTER	2	UCMFRSV4	- RESERVED

Table 529. Structure UCMFEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
152	(98)	BITSTRING	16	UCMFHPRT	- ROUTING CODES FOR A PRINTER CONSOLE
168	(A8)	ADDRESS	4	UCMF_RSV02	- Reserved. Was UCMFPOMR
172	(AC)	ADDRESS	4	UCMFCMTP	- ADDRESS OF THE MPF COMMAND TABLE
176	(B0)	ADDRESS	4	UCMCPFTA	- ADDRESS OF THE CPF TABLE
180	(B4)	ADDRESS	4	UCMFSMTA	- ADDRESS OF THE SYSMCS MEMBER TABLE (SMT)
184	(B8)	ADDRESS	4	UCMFCSTP	- ADDRESS OF CONSOLE STOKEN TABLE
188	(BC)	ADDRESS	4	UCMFCLTP	- ADDRESS OF CONSOLE LOOKUP TABLE
192	(C0)	ADDRESS	4	UCMFMITP	- ADDRESS OF MIGRATION ID TABLE
196	(C4)	ADDRESS	4	UCMFCCEP	- ADDRESS OF ARRAY OF CCE POINTERS
200	(C8)	ADDRESS	4	UCMFCLTS	- ADDRESS OF CLTSCAN PROCESSOR
204	(CC)	ADDRESS	4	UCMFOMD	- ADDRESS OF OMD (IEAVG102)
208	(D0)	CHARACTER	4	UCMRSVA1	- Reserved (was UCMFOLRP)
212	(D4)	ADDRESS	4	UCMRSVA2	- Reserved (was UCMFRCT)
216	(D8)	ADDRESS	4	UCMFRCDA	- ADDRESS OF IEAVM603 AUTO DATA AREA
220	(DC)	ADDRESS	4	UCMFWSVP	- ADDRESS OF IEAVMWSV WORK AREA
224	(E0)	CHARACTER	8	UCMF_DWNLVL_UCMFCSYN	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (System name where candidate console is located)
232	(E8)	ADDRESS	4	UCMFRXAD	- ADDRESS OF ESTAEX ENTRY POINT FOR COMM TASK'S RECOVERY ROUTINE (IEAVMFRX, ALIAS FOR IEAVMFRR)
236	(EC)	ADDRESS	4	UCMFCLAD	- CLEAN UP ROUTINE ADDRESS
240	(F0)	ADDRESS	4	UCMFDMPA	- DUMP EXIT ROUTINE ADDRESS
244	(F4)	ADDRESS	4	UCMFRSV5	- Reserved (was UCMFRCTM)
248	(F8)	ADDRESS	4	UCMFAHTP	- Pointer to AMRF data
252	(FC)	ADDRESS	4	UCMFUDTK	- USER'S UNDEFINED UTOKEN
256	(100)	ADDRESS	4	UCMFTSWA	- IEAVG714 WORK AREA ADDRESS
260	(104)	ADDRESS	4	UCMFWQEC	- ADDRESS OF WQE COUNT TABLE
264	(108)	ADDRESS	4	UCMFWCTA	- ADDRESS OF WQE INFORMATION TABLE
268	(10C)	ADDRESS	4	UCMFST2A	- ADDRESS OF DYNAMIC AREA FOR IEAVSTA2
272	(110)	ADDRESS	4	UCMF606	- Address of IEAVG606 - initialized by IEAVVINT
276	(114)	ADDRESS	4	UCMFPUCM	- Address of the UCME to be posted when SRB routine IEAVG606 is scheduled by DCCF
280	(118)	CHARACTER	44	UCMFSRB	- SRB used by DCCF to schedule the COMM Task address space
324	(144)	ADDRESS	4	UCMFCWKP	- ADDRESS OF 12-BYTE COMMON AREA FOR ALL WTO USER EXITS
328	(148)	ADDRESS	4	UCMFCTCA	- Address of CTRACE Control area

Table 529. Structure UCMFEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
332	(14C)	ADDRESS	4	UCM_DNR_RSV05	DO NOT REUSE!!!! Reserved - was UCMCB825 (Address of Console Attribute Resetter). This loads the address of some code to issue an 077 abend with reason 0BAD
336	(150)	ADDRESS	4	UCM_DNR_RSV06	DO NOT REUSE!!!! Reserved - was UCMVSWCS (Address of Switch Common Routine). This loads the address of some code to issue an 077 abend with reason 0BAD
340	(154)	ADDRESS	4	UCMFS_TERME	SMCS Termination ECB. Posted when VTAM is terminating
344	(158)	ADDRESS	4	UCMFS_CPME	SMCS Cell Pool Maintenance ECB. Posted when maintenance on the IEESMCS cellpool is needed
348	(15C)	ADDRESS	4	UCMFS_HT_ECB	SMCS Hang Timer Subtask ECB
352	(160)	ADDRESS	4	UCMFS_HT_TERME	SMCS Hang Timer Subtask Termination ECB
356	(164)	ADDRESS	4	UCMF_MT_ADDR	Address of module table
360	(168)	ADDRESS	4	UCMF_TEXTTABLEADDR	Address of CNZ message text table
364	(16C)	ADDRESS	4	UCMF_Q1MDQ_DYNAMIC	Address of CNZQ1MDQ dynamic storage
368	(170)	ADDRESS	4	UCMFS_STARTE	SMCS Start ECB
372	(174)	CHARACTER	32		Reserved

Table 530. Structure UCMAAREA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCMAAREA	, - AMRF data
0	(0)	ADDRESS	4	UCMAIHD	- Pointer to head of retained immediate action messages
4	(4)	ADDRESS	4	UCMAITL	- Pointer to tail of retained immediate action messages
8	(8)	ADDRESS	4	UCMAEHD	- Pointer to head of retained eventual action messages
12	(C)	ADDRESS	4	UCMAETL	- Pointer to tail of retained eventual action messages
16	(10)	ADDRESS	4	UCMACEHD	- Pointer to head of retained critical eventual action messages
20	(14)	ADDRESS	4	UCMACETL	- Pointer to tail of retained critical eventual action messages

```
      SMCS POST CODES FOR UCMFS_TERME AND UCMFS_CPME.
                                  EQU X'000000FF' Reserved for
                                                  internal SMCS
                                                  start process
```

1111	111.	UCMFS_TERME_TPEND_HALT	"X'000000FE'"
1111	11.1	UCMFS_TERME_TPEND_HALT_QUICK	"X'000000FD'"
1111	11..	UCMFS_TERME_TPEND_HALT_CANCEL	

Table 530. Structure UCMAAREA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
					"X'000000FC'"
	1111	1.11		UCMFS_TERME_OK_2_CLOSE	"X'000000FB'"
	1111	1.1.		UCMFS_CPME_EXPAND_CELL_POOL	
					"X'000000FA'"
	1111	1..1		UCMFS_CPME_CONTRACT_CELL_POOL	
					"X'000000F9'" EQU X'000000F8' Reserved for internal Hang Timer process

Table 531. Structure UCMFSAVE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCMFSAVE	, - UCM FIXED EXTENSION SAVE AREA (MDC425)
0	(0)	SIGNED	4	UCMFSV01	- WORD 1 (MDC426)
4	(4)	SIGNED	4	UCMFSV02	- WORD 2 (MDC427)
8	(8)	SIGNED	4	UCMFSV03	- WORD 3 (MDC428)
12	(C)	SIGNED	4	UCMFSV04	- WORD 4 (MDC429)
16	(10)	SIGNED	4	UCMFSV05	- WORD 5 (MDC430)
20	(14)	SIGNED	4	UCMFSV06	- WORD 6 (MDC431)
24	(18)	SIGNED	4	UCMFSV07	- WORD 7 (MDC432)
28	(1C)	SIGNED	4	UCMFSV08	- WORD 8 (MDC433)
32	(20)	SIGNED	4	UCMFSV09	- WORD 9 (MDC434)
36	(24)	SIGNED	4	UCMFSV10	- WORD 10 (MDC435)
40	(28)	SIGNED	4	UCMFSV11	- WORD 11 (MDC436)
44	(2C)	SIGNED	4	UCMFSV12	- WORD 12 (MDC437)
48	(30)	SIGNED	4	UCMFSV13	- WORD 13 (MDC438)
52	(34)	SIGNED	4	UCMFSV14	- WORD 14 (MDC439)
56	(38)	SIGNED	4	UCMFSV15	- WORD 15 (MDC440)
60	(3C)	SIGNED	4	UCMFSV16	- WORD 16 (MDC441)
64	(40)	SIGNED	4	UCMFSV17	- WORD 17 (MDC442)
68	(44)	SIGNED	4	UCMFSV18	- WORD 18 (MDC443)
68	(44)	X'48'	0	UCMFSVLN	"*-UCMFSAVE" - LENGTH OF SAVE AREA (MDC444)

Table 532. Structure UCMPEXTA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCMPEXTA	, - UCM PAGEABLE EXTENSION BASE (MDC319)
0	(0)	CHARACTER	4	UCMPUCMP	- ACRONYM IN EBCDIC -UCMP- (MDC320)
4	(4)	CHARACTER	36	UCMPDM1(0)	- DOM ID'S (MDC475)
4	(4)	SIGNED	4	UCMPWQE	- WQE CRITICAL MESSAGE DOM ID (MDC322)
8	(8)	SIGNED	4	UCMP_DWNLVL_UCMPNMCC	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (No Master Console Condition message DOM id)

Table 532. Structure UCMPEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
12	(C)	SIGNED	4	UCMP_DWNLVL_UCMPNCC	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (No-Console Condition message DOM id)
16	(10)	SIGNED	4	UCMPWQES	- WQE SHORTAGE MESSAGE DOM ID (MDC396)
20	(14)	SIGNED	4	UCMPAMRS	- ACTION MESSAGE RETENTION BUFFER SHORTAGE MESSAGE DOM ID (MDC420)
24	(18)	SIGNED	4	UCMPAMRC	- ACTION MESSAGE RETENTION SEVERE BUFFER SHORTAGE MESSAGE DOM ID (MDC421)
28	(1C)	SIGNED	4	UCMPAMRF	- ACTION MESSAGE RETENTION BUFFER EXTENSION FAILED MESSAGE DOM ID (MDC422)
32	(20)	SIGNED	4	UCMPAMRR	- ACTION MESSAGE RETENTION FACILITY RESTART FAILED MESSAGE DOM ID (MDC324)
36	(24)	SIGNED	4	UCMPMPFD	- MPF FAILED MESSAGE DOM ID. Serialization is exclusive ENQ on SYSZMCS.MPFTABLE.
40	(28)	SIGNED	4	UCMPOREC	- ORE CRITICAL MESSAGE DOM ID
44	(2C)	SIGNED	4	UCMPORES	- ORE SHORTAGE MESSAGE DOM ID
48	(30)	ADDRESS	4	UCMPE1ST	- ADDRESS OF FIRST UCME PAGEABLE EXTENSION (MDC345)
52	(34)	SIGNED	4	UCMPELEN	- LENGTH OF A UCME PAGEABLE EXTENSION (MDC346)
56	(38)	ADDRESS	4	UCMPELST	- ADDRESS OF LAST UCME PAGEABLE EXTENSION (MDC347)
60	(3C)	ADDRESS	4	UCMPECBM	- Master Scheduler wait for COMM TASK ECB
64	(40)	ADDRESS	4	UCMPECB1	- TASK ECB FOR IEAVMQWR
68	(44)	ADDRESS	4	UCMPECB2	- TASK ECB FOR IEEVWAIT
		STATUS FIELDS FOR THE ACTION MESSAGE RETENTION FACILITY AT THE TIME OF ERROR Deleted (was UCMPAMRP)			
72	(48)	CHARACTER	4	UCMP_HMCS_LISTEN_TOKEN	Listen token for CNZC1HLN (HMCS Listen Exit)
76	(4C)	ADDRESS	4	UCMP_HMCS_RDCM_TDCM_SAVED@	Address of RDCM/TDCM used for the HMCS console
80	(50)	SIGNED	4	UCMP_HMCS_RDCM_TDCM_SIZE	Size of the RDCM/TDCM used for the HMCS comsole
84	(54)	SIGNED	2	UCMPRSVO	- Reserved (was UCMPAMRN) DO NOT REUSE
86	(56)	BITSTRING	1	UCMPRSVP	- Reserved (was UCMPSNQB)
		1...		UCMPRSVQ	"BIT0" - Reserved (was UCMPRQSD)
		.1..		UCMPRSVR	"BIT1" - Reserved (was UCMPIQSD)
		..1.		UCMPRSVS	"BIT2" - Reserved (was UCMPEQSD)
		...1		UCMPRSVT	"BIT3" - Reserved (was UCMPCQSD)
		.... 1...		UCMPRSV4	"BIT4" - RESERVED
		.... .1..		UCMPRSV5	"BIT5" - RESERVED
		.... ..1.		UCMPRSV6	"BIT6" - RESERVED

Table 532. Structure UCMPEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		UCMPRSV7	"BIT7" - RESERVED
87	(57)	BITSTRING	1	UCMPAMRB	- AMRF serialization bits
		1...		UCMABUFF	"BIT0" AMRF buffers are full
		.1..		UCMAMRFF	"BIT1" Perform AMRF Repair
		..1.		UCMAMRFS	"BIT2" Perform AMRF Shutdown
		...1		UCMARSV4	"BIT3" Reserved
		.... 1...		UCMARSV5	"BIT4" Reserved
		.... .1..		UCMARSV6	"BIT5" Reserved
		.... ..1.		UCMARSV7	"BIT6" Reserved
		1		UCMARSV8	"BIT7" Reserved
88	(58)	ADDRESS	4	UCMPQWRR	- IEAVMQWR'S RETURN ADDR
92	(5C)	ADDRESS	4	UCMPSWRK	- POINTER TO IEAVSTAA'S WORKAREA
96	(60)	BITSTRING	1	UCMPFLG1	- MISCELLANEOUS FLAGS
		1...		UCMPWERA	"BIT0" COMMTASK IEEVWAIT EXTERNAL RESTART ATTEMPTED
		.1..		UCMPUXIT	"BIT1" - IF ON, ACTIVATE THE GENERAL USER EXIT
		..1.		UCMPPFKC	"BIT2" - IF ON, PFK TABLE INITIALIZATION IS COMPLETE
		...1		UCMP_MFA_STARTATIPL	"BIT3" If ON, means MFA should be started at IPL (req'd by MSGFLD on INIT stmt
96	(60)	X'8'	0	UCMP_DOUEXIT	"Bit4" UEXIT should be updated by cmd via IEAVN701 (set by CNZI1DCA)
		.... .1..		UCMPLOCO	"BIT5" Suppress global updates
		.... ..1.		UCMPXITA	"BIT6" If on, UEXIT=Y processor needs to post UCMPECBX when IEAVMXIT activated
		1		UCMPXTDF	"BIT7" If on, UEXIT=Y by default
97	(61)	CHARACTER	1	UCMPRSV3	RESERVED
98	(62)	CHARACTER	2	UCMPPFKM	SUFFIX OF THE ACTIVE PFKTABXX SYS1.PARMLIB MEMBER
100	(64)	ADDRESS	4	UCMPRSVU	- Reserved (was UCMPCAMQ) DO NOT REUSE
104	(68)	ADDRESS	4	UCMP_ONDEMAND_AUTOR_ECB	- CNZM1TIM ECB to do Autor
108	(6C)	ADDRESS	4	UCMP_CNZK1CMB@	- Address of CNZK1CMB
112	(70)	BITSTRING	8	UCMPRSV2	- Reserved
120	(78)	ADDRESS	4	UCMPPFKT	- POINTER TO THE PFK TABLE WHICH IS ACTIVE
124	(7C)	SIGNED	4	UCMPRSVH	Reserved.
128	(80)	CHARACTER	2	UCMP_MFA_SUFFIX	MFA MSGFLDxx suffix from CONSOLxx INIT stmt. Current suffix in use is last two chars in MFAT MFPMBRNM field.
130	(82)	CHARACTER	2	UCMPMMSM	- MMS MEMBER SUFFIX
132	(84)	SIGNED	4	UCMPLT80	- DOM ID FOR MESSAGE IEE213E (LOGQUEUE LIMIT)
136	(88)	SIGNED	4	UCMPL100	- DOM ID FOR MESSAGE IEE211E (LOGQUEUE LIMIT)
140	(8C)	ADDRESS	4	UCMP_MFA_MSG@	- Pointer to MFA's CNZZMSGS

Table 532. Structure UCMPEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
144	(90)	SIGNED	4	UCMP_CNZZ050E_DOMID	- MFA has been disabled due to failure. Dom message when reactivated. Compare & Swap used to serialize
148	(94)	ADDRESS	4	UCMP_MFA_INIT@	- Pointer to MFA's CNZZINIT
152	(98)	ADDRESS	4	UCMPNECB	- NIP ECB (WAITED ON BY IEAVN701)
156	(9C)	ADDRESS	4	UCMPECB9	- IEAVG608 ATTACH ECB
160	(A0)	ADDRESS	4	UCMPECB4	- IEAVG603 TASK ECB
164	(A4)	ADDRESS	4	UCMPECB5	- IEAVG610 TASK ECB
168	(A8)	ADDRESS	4	UCMPECB6	- IEAVG611 TASK ECB
172	(AC)	ADDRESS	4	UCMP_MCS_CHANGE_ECB	- ECB POSTed for MCS console change
176	(B0)	ADDRESS	4	UCMP_ORE_Q_REPAIR_RTN	- Address of CNZM1OQR
180	(B4)	CHARACTER	2	UCMPCNXX	- SUFFIX OF CONSOLXX USED FOR IPL
182	(B6)	SIGNED	2	UCMPROUT	- ROUTTIME ON CONSOLXX INIT
184	(B8)	ADDRESS	4	UCMPECB7	- PARTITION ECB
188	(BC)	CHARACTER	4	UCMPPART	- PARTITION WAIT STATE CODE
192	(C0)	ADDRESS	4	UCMPECB8	- IEAVM613 TASK ECB
196	(C4)	ADDRESS	4	UCMPECBA	- IEAVG608 ABEND ECB
200	(C8)	ADDRESS	4	UCMPECBB	- SYSPLEX USER STATE FIELD ECB
204	(CC)	ADDRESS	4	UCMCNFIX	- Address of CNZWTFIX, WTO mitigation fix routine (Was UCMPDMUD/UCMPDMUH/UCMPDMUS
208	(D0)	SIGNED	4	UCMPDMML(0)	- MESSAGE LOSS DOMID
208	(D0)	CHARACTER	1	UCMPDMMH	- SYSID IN HIGH ORDER BYTE OF DOMID
209	(D1)	CHARACTER	3	UCMPDMMS	- DOMID SEQUENCE NUMBER
212	(D4)	ADDRESS	4	UCMP7603	CONSOLE AREA ID VERIFICATION ROUTINE
216	(D8)	ADDRESS	4	UCMPAMRI	- Insufficient AMRF storage msg DOMID
220	(DC)	BITSTRING	4	UCMPFTOD	Local AMRF failure time
224	(E0)	ADDRESS	4	UCMPFPTR	- Pointer to AMRF Failure Time Table
228	(E4)	SIGNED	4	UCMP_DWNLVL_UCMPMDEV	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (Device number of current master console)
232	(E8)	SIGNED	4	UCMPDMSN(0)	- SYNCH Loss DOMID
232	(E8)	CHARACTER	1	UCMPDMSH	- SYSID in high order byte of DOMID
233	(E9)	CHARACTER	3	UCMPDMSL	- DOMID sequence number
236	(EC)	CHARACTER	8	UCMP_DWNLVL_UCMPMSYN	- Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (System name where master console was last active)
244	(F4)	ADDRESS	4	UCMPECBD	- Indicate that IEAVG614 abended
248	(F8)	CHARACTER	8	UCMPSTKN	- STOKEN for Console group data space

Table 532. Structure UCMPEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
256	(100)	CHARACTER	8	UCMPRSVK	- Reserved - was UCMPHCP (Hardcopy Group)
264	(108)	CHARACTER	8	UCMPSYN	- SYNCHDEST group
272	(110)	CHARACTER	8	UCMPRSVW	- Reserved - was UCMPNOCC (No console condition group)
280	(118)	SIGNED	4	UCMPLOGL	- SYSLOG Limit (LOGLIM)
284	(11C)	ADDRESS	4	UCMPMPFM	- POINTER TO THE MPF TABLE WHICH IS ACTIVE
288	(120)	CHARACTER	8	UCMPCTRP	- CTRACE parmlib member name
296	(128)	ADDRESS	4	UCMPMFRR	- Address of FRR router
300	(12C)	ADDRESS	4	UCMPMEST	- Address of Estae router
304	(130)	ADDRESS	4	UCMPECBE	- ECB - IEAVM616 abended
308	(134)	ADDRESS	4	UCMPECBF	- ECB - IEAVM616 has work
312	(138)	ADDRESS	4	UCMPRTQE	- Pointer to RTQE queue for IEAVM616
316	(13C)	ADDRESS	4	UCMPRTQS	- Pointer to RTQE stolen queue
320	(140)	ADDRESS	4	UCMPECBX	Posted when IEAVMXIT is setup first time in ipl (UCMPXITA is on)
324	(144)	ADDRESS	4	UCMPECBU	Posted when UEXIT=Y processor finishes (used on attach of IEEMB819)
328	(148)	ADDRESS	4	UCMPTCBU	TCB address of UEXIT=Y processor
332	(14C)	BITSTRING	4	UCMPHUNG	Time last checked for hung MLWTOs
336	(150)	ADDRESS	4	UCMPCNEV	Posted by CONSOLxx processing after UCM is initialized
340	(154)	ADDRESS	4	UCMPECEV	Posted by IEAVN701 after local EMCS initialization
344	(158)	BITSTRING	4	UCMPRACN	- Console id of Route command EMCS console
348	(15C)	CHARACTER	8	UCMPRANM	- Console name of Route command EMCS console
356	(164)	ADDRESS	4	UCMP_IEAVN615_COMPLETE_ECB	- ECB to note when IEAVN615 is complete. WAIT in IEAVN701, POST in IEAVN600
360	(168)	ADDRESS	4	UCMP_CNZI1CDP_COMPLETE_ECB	- ECB to note when CNZI1CDP is complete. WAIT in IEAVN600, POST in IEAVN701
364	(16C)	ADDRESS	4	UCMP_CONSDEFN@	- Address of CONSOLxx data area. Initialized in IEAVN600, referenced in IEAVN701
368	(170)	CHARACTER	8	UCMPRCLC	- Last CART value generated for "route-to-route" communication
376	(178)	ADDRESS	4	UCMP_MFAT@	- Pointer to MFA Table located in SQA
380	(17C)	CHARACTER	4	UCMPGECB	- ROUTE command EMCS message ECB. Posted when a message is processed with cnid = ucmpracn. Used only when IEECB820 holds ENQ SYSZMCS/ROUTE-GROUP--CNID
384	(180)	ADDRESS	4	UCMPSWCT	Addr of system WQE count table (SWCT)
388	(184)	SIGNED	4	UCMP_RSV001	Reserved Was UCMPWQAB

Table 532. Structure UCMPEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
392	(188)	SIGNED	4	UCMPDCDM	IEA652A discard WTO DOMID
396	(18C)	SIGNED	4	UCMPDMSG	# msgs discarded while above 16M storage was exhausted
400	(190)	BITSTRING	4	UCMPRSVX	- Reserved - was UCMPRCPI (Last migration id used by route)
404	(194)	SIGNED	4	UCMPRSVY	Reserved - was UCMPTRDM (IEA767A trace buf wrap WTO DOMID
408	(198)	ADDRESS	4	UCMPCTSC	Address of Comm Task's AS security
SMCS Data - Fields starting with UCMPS_ are unique to SMCS consoles.					
412	(19C)	ADDRESS	4	UCMPS_LGNEXIT	SMCS Logon Exit address
416	(1A0)	ADDRESS	4	UCMPS_TPDEXIT	SMCS TP End Exit address
420	(1A4)	ADDRESS	4	UCMPS_SYNEXIT	SMCS SYNAD Exit address
424	(1A8)	ADDRESS	4	UCMPS_LGLEXIT	SMCS Logical Error Exit address
428	(1AC)	ADDRESS	4	UCMPS_LSTEXIT	SMCS Lost Terminal Exit address
432	(1B0)	ADDRESS	4	UCMPS_RSPEXIT	SMCS Response Exit address
436	(1B4)	ADDRESS	4	UCMPS_SNDEXIT	SMCS Send Exit address
440	(1B8)	ADDRESS	4	UCMPS_CLNUP	SMCS Cleanup Routine address
444	(1BC)	ADDRESS	4	UCMPS_RCVEXIT	SMCS Receive Exit address - Attn Rtn
448	(1C0)	ADDRESS	4	UCMPS_CLSEXIT	SMCS CLSDST RPL Exit address
452	(1C4)	ADDRESS	4	UCMPS_ACBADDR	SMCS ACB Address
456	(1C8)	ADDRESS	4	UCMPS_EXITLST	SMCS Exit List address
460	(1CC)	ADDRESS	4	UCMPS_SETLRPL	SMCS SETLOGON RPL address
464	(1D0)	ADDRESS	4	UCMPS_NIBADDR	SMCS NIB Address for SETLOGON
468	(1D4)	ADDRESS	4	UCMPS_VCBADDR	SMCS VTAM Control Block address
472	(1D8)	SIGNED	4	UCMPS_VCBLEN	SMCS VTAM Control Block length
476	(1DC)	ADDRESS	4	UCMPS_MAINRTN_TCB	SMCS Main routine (IEECVSMA) TCB ptr
480	(1E0)	CHARACTER	9	UCMPS_APPLID_AREA(0)	SMCS Application ID area
480	(1E0)	BITSTRING	1	UCMPS_APPLID_LEN	SMCS Length of Appl Id
481	(1E1)	CHARACTER	8	UCMPS_APPLID	SMCS Application ID. If blank, SMCS consoles will not be available on this system
489	(1E9)	CHARACTER	9	UCMPS_APPLID_INUSEBY_AREA(0)	SMCS Application Id in use by this system
489	(1E9)	BITSTRING	1	UCMPS_APPLID_INUSEBY_LEN	SMCS Length of applid in use by system
490	(1EA)	CHARACTER	8	UCMPS_APPLID_INUSEBY_SYSTEM	SMCS Applid in use by this system
498	(1F2)	CHARACTER	8	UCMPS_GENRCID	SMCS VTAM Generic Id for the sysplex
506	(1FA)	CHARACTER	8	UCMPS_GENERIC_INUSEBY_SYSTEM	SMCS VTAM Generic Id that is in use by this system
514	(202)	BITSTRING	1	UCMPS_STATUS	SMCS Status
515	(203)	BITSTRING	1		Reserved - Boundary alignment
516	(204)	ADDRESS	4		Reserved (was UCMPS_LPAB_RQ)
520	(208)	ADDRESS	4	UCMPS_EOT_ECB	SMCS End-of-Task ECB

Table 532. Structure UCMPEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
524	(20C)	CHARACTER	8	UCMPS_DWNLVL_MSTR_LU	Needed to support downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported. (LU name of the failed master console)
While the values of these fields do not require a full word, these are passed as parameters to general routines that expect a full word.					
532	(214)	SIGNED	4	UCMPS_RPL_LEN	Length of an RPL
536	(218)	SIGNED	4	UCMPS_NIB_LEN	Length of a NIB
540	(21C)	SIGNED	4	UCMPS_EXLST_LEN	Length of an Exit List
The following are the DSP names and addresses used by SMCS consoles					
544	(220)	CHARACTER	8	UCMPS_DISPLAY_DSP_NAME	Name of display consoles DSP
552	(228)	ADDRESS	4	UCMPS_DISPLAY_DSP_ADDR	Addr of display consoles DSP
556	(22C)	CHARACTER	8		Reserved
DOM Ids for messages that indicate operator action is required to activate a new SMCS Applid or Generic name.					
564	(234)	SIGNED	4	UCMPS_DOMID_WAIT_4_APPLID_CHANGE	System scope. When non-zero, this system is waiting for VTAM to change the SMCS Applid
568	(238)	SIGNED	4	UCMPS_DOMID_GENERIC	Sysplex-wide. When non-zero, at least one system in the sysplex is not using the current SMCS Generic name. SMCS on those systems need to be recycled
572	(23C)	SIGNED	4	UCMPS_DOMID_APPLID	System scope. When non-zero, this system is using a different applid than requested by the operator. SMCS needs to be recycled
576	(240)	SIGNED	4	UCMPS_DOMID_WAIT_4_ACTIVATION	System scope. When non-zero, this this system is waiting for VTAM to activate the SMCS Applid
580	(244)	ADDRESS	4	UCMPOWCP	Address of temp WTOR cell pool BWCP
584	(248)	ADDRESS	4	UCMPS_VM200_ADDR	Address of IEAVM200. This address is only valid when SMCS is active, and should only be used by SMCS
588	(24C)	ADDRESS	4	UCMPS_DNR_RSV01	Reserved - was UCMPS_CB825_Addr (Addr of IEECB825. Only for SMCS)
592	(250)	ADDRESS	4	UCMPS_DNR_RSV04	Reserved was UCMPS_CB818_Addr
596	(254)	ADDRESS	4	UCMPS_DNR_RSV02	Reserved - was UCMPS_SWCB_Addr (Addr of IEAVSWCB. Only for SMCS if SMCS active) DO NOT REUSE
600	(258)	ADDRESS	4	UCMPS_DNR_RSV03	Reserved - was UCMPS_SWCS_Addr (Addr of IEAVSWCS. Only for SMCS if SMCS active) DO NOT REUSE

Table 532. Structure UCMPEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
604	(25C)	ADDRESS	4	UCMPS_SYMREC_ADDR	Address of IEECVSYM. This address is only valid when SMCS is active, and should only be used by SMCS
608	(260)	ADDRESS	4	UCMPS_SMCS_CP_ADDR	Address of SMCS cell pool BWCP
612	(264)	SIGNED	4	UCMPS_DOMID_IEE823E	System scope. When non-zero, this system had a IEECVSHT subtask failure.
616	(268)	ADDRESS	4	UCMPS_HT_SUBTASK_TCB	SMCS IEECVSHT subtask TCB address
620	(26C)	ADDRESS	4		Reserved - Was UCMP_TAB_Ptr
624	(270)	SIGNED	4	UCMP_CS_FLAGS(0)	Flags serialized via Compare & Swap
624	(270)	BITSTRING	1	UCMP_CS_FLAGS1	Byte 1
		1...		UCMP_TRACKING_ACTIVE	"BIT0" Console Id Tracking Facility active indicator. This must stay until CNZTRKR is no longer supported.
625	(271)	BITSTRING	1	UCMP_CS_FLAGS2	Byte 2
626	(272)	BITSTRING	1	UCMP_CS_FLAGS3	Byte 3
627	(273)	BITSTRING	1	UCMP_CS_FLAGS4	Byte 4
628	(274)	ADDRESS	4	UCMP_SENDTO_ARC_PTR	The table of routing attributes for messages other systems expect this system to send them
632	(278)	BITSTRING	4	UCMP_MSGO_FAILED	Bitmap of systems on which IXCMSGO failed (indexed by XCF slot ID). Serialization is CS
636	(27C)	ADDRESS	4	UCMP_WTOCONNECTANCHOR@	WTO Connect anchor address
640	(280)	SIGNED	4	UCMPOMPF	Orphaned MPF table address
644	(284)	SIGNED	4	UCMPOGNX	Orphaned GENX table address
648	(288)	BITSTRING	4	UCMP_SYSLOG_CNID	Console ID of SYSLOG EMCS
652	(28C)	CHARACTER	8	UCMP_SYSLOG_NAME	Console Name of SYSLOG EMCS
660	(294)	BITSTRING	4	UCMP_DIDOCS_CNID	Console ID of DIDOCS EMCS
664	(298)	CHARACTER	8	UCMP_DIDOCS_NAME	Console Name of DIDOCS EMCS
672	(2A0)	CHARACTER	48	UCMP_LOT_RESTORE_INFO(0)	Parking Lot restore info
672	(2A0)	CHARACTER	24	UCMP_LOT_SD_INFO	Parking Lot Space Descriptor
696	(2B8)	CHARACTER	24	UCMP_LOT_MDBC_SD_INFO	Parking Lot MDB Space Descriptor
720	(2D0)	CHARACTER	8	UCMP_CAS_MDS_NAME	Message dataspace name
728	(2D8)	CHARACTER	8	UCMP_MCACHE_DSP_NAME	Message cache data space name Serialized for update: MCache Latch
736	(2E0)	ADDRESS	4	UCMP_OK_4_CNZI1DCA	ECB indicating VN701 can call DCA
740	(2E4)	ADDRESS	4	UCMP_SUBSYSTEMENTRYTABLE@	Pointer to UCMSSET
744	(2E8)	SIGNED	4	UCMP_DOMID_CNZ3015A	Domid for CNZQ1DCQs CNZ3015A
748	(2EC)	ADDRESS	4	UCMP_CNZX1ARC_ADDR	Address of CNZX1ARC
752	(2F0)	SIGNED	4	UCMP_SYSLOG_DOMID_CNZ4201E	- CNZ4201E Syslog Failure DOM id
756	(2F4)	SIGNED	4	UCMP_OPERLOG_DOMID_CNZ4201E	- CNZ4201E Operlog Failure DOM id
760	(2F8)	ADDRESS	4	UCMP_AUXDSMARRAYPTR	Pointer to Aux Data Space Manager Array
764	(2FC)	BITSTRING	1	UCMP_MIGRATION_INSTANCE	Number of times a migration was requested.

Table 532. Structure UCMPEXTA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
765	(2FD)	CHARACTER	3		Reserved for alignment
768	(300)	ADDRESS	4	UCMPADDROFCNZM1GLU	Address of CNZM1GLU
772	(304)	ADDRESS	4	UCMP_CNZINLPA_START@	Start Address of CNZINLPA
776	(308)	ADDRESS	4	UCMP_CNZINLPA_END@	End Address of CNZINLPA
780	(30C)	CHARACTER	32	UCMP_HMCS_NAME_ENQ_TOKEN	Token from ENQ for ENQ on the HMCS console name
812	(32C)	CHARACTER	8	UCMP_HMCS_CONSNAME	Name of our system's HMCS console
820	(334)	CHARACTER	20	UCMPRSVD	Reserved
	Status Codes For SMCS (field UCMPS_STATUS)				
820	(334)	X'0'	0	UCMPS_SMCS_NOT_ACTIVE	"0" SMCS is not active
820	(334)	X'1'	0	UCMPS_SMCS_INITIALIZING	"1" SMCS is initializing
820	(334)	X'2'	0	UCMPS_SMCS_WAIT_4_VTAM	"2" SMCS is waiting for VTAM to become active
820	(334)	X'3'	0	UCMPS_SMCS_WAIT_4_APPLID	"3" SMCS is waiting for the SMCS Applid to become active
820	(334)	X'4'	0	UCMPS_SMCS_ACTIVE	"4" SMCS is active
820	(334)	X'5'	0	UCMPS_SMCS_SHUTTING_DOWN	"5" SMCS is shutting down
820	(334)	X'6'	0	UCMPS_SMCS_TERMINATING	"6" SMCS is terminating because of a failure
820	(334)	X'7'	0	UCMPS_SMCS_WAIT_4_APPLID_CHANGE	"7" SMCS is waiting for the SMCS Applid to change

Table 533. Structure UCMEFEXT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCMEFEXT	, - UCME FIXED EXTENSION (MDC349)
0	(0)	BITSTRING	1	UCMEFLG1	- FLAGS FOR UCME FIXED EXTENSION (MDC350)
	1...			UCMEFLGA	"BIT0" - IF 1, ATTENTION INDEX IN UCMEFATT IS VALID (MDC351)
	.1..			UCMEFLGB	"BIT1" - IF 1, UCBSYSR FOR THIS DEVICE WAS FORCED TO 1 AND SHOULD BE RESTORED TO 0 (MDC352)
	..1.			UCMEFLGC	"BIT2" - RECURSIVE ERROR INDICATOR
	...1			UCMEFLGD	"BIT3" - OPEN IN PROCESS FOR 3270-X
	.... 1...			UCMEF_ISSUE_CNZ4303I	"BIT4" Message CNZ4303I should be issued. Console going from Active to Standby mode
	.... .1..			UCMEF_LOGON_OPTIONAL	"BIT5" Logon is optional for this UCME regardless of CONSOLxx DEFAULT specification.
	.... ..1.			UCMEF_LOGON_REQUIRED	"BIT6" Logon is required for this UCME regardless of CONSOLxx DEFAULT specification.
	1			UCMEF_AUTOLOG_REQUIRED	"BIT7" Autologon is required for this UCME regardless of CONSOLxx DEFAULT

Table 533. Structure UCMEFEXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1	(1)	BITSTRING	1	UCMEFLG2	- FLAG FIELD
		1...		UCMEFSTW	"BIT0" - USE OF THE CONSOLE IS CHANGING
		.1..		UCMEFLRQ	"BIT1" - DISPLAY LOGON PROMPT
		..1.		UCMEFALG	"BIT2" - INITIATE AUTOMATIC LOGON OF CONSOLE
		...1		UCMEFLOG	"BIT3" - CONSOLE HAS AN ACTIVE LOGON
		.... 1...		UCMEFRSV7	"BIT4" - Reserved - Was UCMEALOG
		.... .1..		UCMEFALL	"BIT5" - MESSAGE SCOPE OF *ALL IS BEING USED
		.... ..1.		UCMEFRSV1	"BIT6" - Reserved - was UCMEFPAL (MSCOPE *ALL IS BEING USED FOR PACKET AREA)
		1		UCMEF_BACKLOG_MSG_ISSUED	"BIT7" CNZ3014I Message Issued
2	(2)	SIGNED	1	UCMEFATT	- ATTENTION INDEX. VALID ONLY IF UCMEFLGA IS 1. (MDC360)
3	(3)	SIGNED	1	UCMEFRSV2	- Reserved - was UCMEFSA1 (SAVED ATTENTION INDEX SERVICE PROCESSOR)
4	(4)	ADDRESS	4	UCMEFPEX	- ADDRESS OF UCME PAGEABLE EXTENSION (MDC362)
8	(8)	SIGNED	1	UCMEFSA2	- ATTENTION INDEX SAVED BY SUBSYS
9	(9)	SIGNED	1	UCMEFDVX	- DEVICE TYPE - SAVED ON FIRST OPEN
10	(A)	BITSTRING	2	UCMEFLVL(0)	- LEVEL OF MESSAGE TO APPEAR ON CONSOLE
10	(A)	BITSTRING	1	UCMEFL1	- FIRST BYTE OF THE MESSAGE LEVEL FLAGS
		1...		UCMEFLR	"BIT0" DISPLAY WTORS
		.1..		UCMEFLIA	"BIT1" DISPLAY IMMEDIATE ACTION MESSAGES
		..1.		UCMEFLCE	"BIT2" DISPLAY CRITICAL EVENTUAL MESSAGES
		...1		UCMEFLE	"BIT3" DISPLAY EVENTUAL ACTION MESSAGES
		.... 1...		UCMEFLI	"BIT4" DISPLAY INFORMATIONAL MESSAGES
		.... .1..		UCMEFLBC	"BIT5" DISPLAY BROADCAST MESSAGES
11	(B)	BITSTRING	1	UCMEFL2	- RESERVED
12	(C)	BITSTRING	4	UCMEFCN(0)	- FOUR-BYTE CONSOLE ID
12	(C)	BITSTRING	1	UCMEFCNC	- CONSOLE CLASS
13	(D)	BITSTRING	3	UCMEFCNN	- CONSOLE NUMBER
16	(10)	SIGNED	2	UCMEFRSV3	- Reserved - was UCMEFUTM (DEFAULT UTME VALUE)
18	(12)	SIGNED	1	UCMEFNSC	- NUMBER OF MESSAGE SCOPE VALUES SPECIFIED FOR THIS CONSOLE

Table 533. Structure UCMEFEXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
UCMEFMSC is used for queuing, only put flags in it which are to be used for queuing messages. If you add flags to UCMEFMSC then you should add them to the corresponding miscellaneous routing bytes in the following macros: RCTBMISC (IEAVG101), MCSPMISC and MCSPPMSC (IEAVG116), ODTEMISC (IEAVG104), TWRPMISC (IEAVM141), MDBCMISC (IEAVM105), XVMISCRT (IHACTM), WQEMISC and WMJMMISC (IHAWQE)					
19	(13)	BITSTRING	1	UCMEFMSC	- MISCELLANEOUS ROUTING INFORMATION
		1...		UCMRSV00	"BIT0" - Reserved. Was UCMEFUD.
		.1..		UCMRSV02	"BIT1" - Reserved. Was UCMEFUDO.
		..1.		UCMEFMS3	"BIT2" - reserved for IBM use
		...1		UCMEFAUT	"BIT3" - reserved for IBM use
		.... 1...		UCMEFHCY	"BIT4" - reserved for IBM use
		.... .1..		UCMEFINT	"BIT5" - Receiving INTIDS (CNID zero)
		.... ..1.		UCMEFUNK	"BIT6" - Receiving UNKNIDS (unknown CNIDs)
20	(14)	SIGNED	1	UCMEFRSV4	- Reserved - was UCMEFPNS (NUMBER OF MSCOPE VALUE SPECIFIED FOR THIS CONSOLE IN THE PACKET AREA)
21	(15)	BITSTRING	1	UCMEFL3	- Flags
		1...		UCMEFMSA	"BIT0" - MESSAGE SCOPE OF * IS BEING USED
		.1..		UCMEFCSA	"BIT1" - CMDSYS OF * IS BEING USED
22	(16)	CHARACTER	2	UCMEFRV2	- RESERVED
24	(18)	BITSTRING	16	UCMEFRC	- CONSOLE ROUTING CODES (1-128)
40	(28)	ADDRESS	4	UCMEFRSV6	- Reserved - was UCMEFCMQ
44	(2C)	ADDRESS	4	UCMEFRSV5	- Reserved - was UCMEFBUP (Addr of backup cons id after this cons id switched)
48	(30)	ADDRESS	4	UCMEFCQE	- END OF CQE POINTER
52	(34)	CHARACTER	8	UCMEFCNM	- CONSOLE NAME
60	(3C)	ADDRESS	4	UCMEFSDL	- ADDRESS OF SYSTEM/DEVICE ASSOCIATION LIST (SDAL)
64	(40)	ADDRESS	4	UCMEFSEC	- ADDRESS OF Security information
68	(44)	CHARACTER	8	UCMEFUID	- USERID FROM ACEE
SMCS Data - Fields starting with UCMEFS_ are unique to SMCS consoles.					
76	(4C)	ADDRESS	4	UCMEFS_SNDRPL	SMCS Send RPL address
80	(50)	ADDRESS	4	UCMEFS_RCVRPL	SMCS Receive RPL address
84	(54)	ADDRESS	4	UCMEFS_CLSDST_QUERY_RPL	SMCS CLSDST and Read Partition Query RPL
88	(58)	SIGNED	4	UCMEFS_CID	SMCS Communication Id
92	(5C)	CHARACTER	16		Reserved
92	(5C)	X'6C'	0	UCMEFLEN	"*-UCMEFEXT" - LENGTH OF A UCME FIXED EXTENSION (MDC363)

Table 534. Structure UCMEPEXT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCMEPEXT	, - UCME PAGEABLE EXTENSION
0	(0)	CHARACTER	8	UCMEPNME	NAME OF THE SYSTEM COMPONENT WHICH IS USING THIS CONSOLE
8	(8)	SIGNED	2	UCMEPAID	ASID OF THE SYSTEM COMPONENT WHICH IS USING THIS CONSOLE
10	(A)	BITSTRING	2	UCMEPAUT	COPY OF UCMAUTH AT THE TIME THAT THE CONSOLE WAS OBTAINED BY A SYSTEM COMPONENT (SUBSYSTEM)
12	(C)	BITSTRING	1	UCMEPFG1	MISCELLANEOUS FLAGS
		1...		UCMEPAIN	"BIT0" - IF ON, AREA IS DEFINED. IF OFF, APPLY DEFAULT
		.1..		UCMEPTFL	"BIT1" - IF ON, OPEN WAS UNABLE TO OBTAIN A TDCM
		..1.		UCMEPPOB	"BIT2" - IF ON, PFK BUFFER WAS OBTAINED
		...1		UCMEPASY	"BIT3" - ASYNCHRONOUSLY UPDATEABLE DATA MAY NOT BE APPLIED (Shared mode only)
		.... 1...		UCMEPEDS	"BIT4" - Device supports Extended Data Stream
		.... .1..		UCMEPFUD	"BIT5" - The UCME contains FUD (for diagnostic purposed only)
	EQU X'03' - Reserved				
13	(D)	BITSTRING	2	UCMEPMTR(0)	MONITOR SAVE FLAGS
13	(D)	BITSTRING	1	UCMEPMON	MONITOR SAVE FLAGS, FIRST BYTE
		1...		UCMEPMJ	"BIT0" - MONITOR JOBNAMES SAVE FLAG
		.1..		UCMEPMST	"BIT1" - MONITOR STATUS SAVE FLAG
		..1.		UCMEPM02	"BIT2,,C'X'" - RESERVED
		...1		UCMEPM03	"BIT3,,C'X'" - RESERVED
		.... 1...		UCMEPM04	"BIT4,,C'X'" - RESERVED
		.... .1..		UCMEPMS	"BIT5" - MONITOR SESSIONS SAVE FLAG
		.... ..1.		UCMEPMTM	"BIT6" - MONITOR WITH TIME
		1		UCMEPM07	"BIT7,,C'X'" - RESERVED
14	(E)	BITSTRING	1	UCMEPMT2	MONITOR SAVE FLAGS, SECOND BYTE
15	(F)	BITSTRING	1	UCMEPFG4	RESERVED - FLAG BYTE 4
16	(10)	CHARACTER	8	UCMEPFKT	NAME OF THE PFK TABLE BEING USED BY THIS CONSOLE
24	(18)	CHARACTER	2	UCMEPFKM	SUFFIX OF THE SYS1.PARMLIB MEMBER WHERE THE PFK TABLE WAS DEFINED
26	(1A)	SIGNED	2	UCMEPARD	- NUMBER OF AREAS DEFINED
28	(1C)	BITSTRING	11	UCMEPARE	- ARRAY OF 11 AREA SIZES
39	(27)	CHARACTER	1	UCMEPCON	- DELETE VERIFICATION CON=(Y,N)
40	(28)	CHARACTER	2	UCMEPDEL	- AUTOMATIC DELETION DEL=(Y ,N ,R ,RD)
42	(2A)	SIGNED	2	UCMEPRTM	- ROLL TIME IN TENTHS OF SECONDS
44	(2C)	SIGNED	1	UCMEPRNM	- ROLL NUMBER
45	(2D)	SIGNED	1	UCMEPSEG	- SEGMENT SIZE

Table 534. Structure UCMEPEXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
46	(2E)	SIGNED	1	UCMEP_LGN_TIMEOUT	Logoff the console when this number of minutes have passed since the last attention
47	(2F)	BITSTRING	1	UCMEPRBF	Number of 'last command buffers' to obtain for this console
48	(30)	SIGNED	4	UCMEPTUL	- LENGTH OF AREA CONTAINING RDCM, TDCM, PFK IF ONE EXISTS AND SACBS IF ANY
52	(34)	ADDRESS	4	UCMEP_HMCS_VMPL@	VMPL used for HMCS consoles
56	(38)	CHARACTER	12	UCMEP_RSV01	Reserved. Was UCMEPSRC
68	(44)	ADDRESS	4	UCMEP_CDUPTR	Address of the CDU for this console
72	(48)	CHARACTER	4	UCMEP_DEVNUM	EBCDIC device number of console
76	(4C)	BITSTRING	1	UCMEPA(11)	ARRAY OF 11 FLAG BYTES CORRESPONDING TO EACH AREA DEFINED IN UCMEPARE
		1...		UCMEPUSE	"X'80'" AREA CURRENTLY DEFINED, SAME AS DCMAUSE
		.1..		UCMEPADD	"X'40'" TRACK IN AREA, SAME AS DCMADD
		EQU X'3F' RESERVED			
		UCMEPSNM contains different data depending on the system where the console is active.			
		HBB7750 and above: The name of the system where the console name ENQ is held.			
		Below HBB7750 : For subsystem consoles, the name of the system where the subsystem console is allocated. For MCS and SMCS consoles, this field is not used.			
87	(57)	CHARACTER	8	UCMEPSNM	Name of system owning console name ENQ
95	(5F)	CHARACTER	8	UCMEPCS	- SYSTEM NAME FOR COMMAND ASSOCIATION
103	(67)	BITSTRING	1	UCMEPRSV6	Reserved - was UCMEPMNR (CONSOLE ATTRIBUTES)
104	(68)	SIGNED	4	UCMEP_DWNLVL_UCMEPSTC	Switched TO console id from downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported.
108	(6C)	SIGNED	4	UCMEP_DWNLVL_UCMEPSFC	Switched FROM console id from downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported.
112	(70)	CHARACTER	8	UCMEP_DWNLVL_ALTGRP	- ALTGRP name specified on a downlevel systems. This may be reused once z/OS V1R7 and below are no longer supported.
120	(78)	CHARACTER	40	UCMEPRSV9	Reserved - was UCMEPCKT (Packet Area)
160	(A0)	CHARACTER	8	UCMEPSYS	SYSTEM VALUE ON CONSOLE
168	(A8)	ADDRESS	4	UCMEPSNL	ADDRESS OF CONSOLES SYSTEMS NAMES LIST
172	(AC)	CHARACTER	4	UCMETIOE	ADDRESS OF TIOT ENTRY FOR THIS CONSOLE

Table 534. Structure UCMEPEXT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
176	(B0)	CHARACTER	8	UCMEPTOK	PTOKEN OF CONSOLE DEVICE UCB
184	(B8)	BITSTRING	1	UCMEPROW	Number of rows on the screen
185	(B9)	BITSTRING	1	UCMEPCOL	Number of cols on the screen
		SMCS Data - Fields starting with UCMEPS_ are unique to SMCS consoles.			
186	(BA)	BITSTRING	1	UCMEPS_LUTYPE	SMCS LU Type Indicators
		1...		UCMEPS_LU0	"BIT0" Device supports LU 0
		..1.		UCMEPS_LU2	"BIT2" Device supports LU 2
187	(BB)	BITSTRING	1	UCMEPS_FLAGS	SMCS Flags
		1...		UCMEPS_RSV2	"BIT0" Reserved - was UCMEPS_CNSW_INVOKED (Console Switch has already been invoked for this console during close processing)
		...1		UCMEPS_MID_OF_BRACKET	"BIT3" Initially, the device is in the middle of brackets
188	(BC)	ADDRESS	4	UCMEPS_VCBADR	SMCS VTAM Cntl Blk storage address
192	(C0)	SIGNED	4	UCMEPS_VCBLEN	SMCS VTAM Cntl Blk storage length
196	(C4)	ADDRESS	4	UCMEPS_NIB	SMCS NIB address
200	(C8)	ADDRESS	4	UCMEPS_EXLST	SMCS EXLST address
204	(CC)	ADDRESS	4	UCMEPS_LPAB_ADDR	SMCS Logon Processing Anchor Block
208	(D0)	SIGNED	4	UCMEPS_LPAB_LEN	SMCS Logon Processing Anchor Block
212	(D4)	CHARACTER	8	UCMEPS_LUNAME	SMCS LU Name
220	(DC)	CHARACTER	8	UCMEPS_LU_PREDEF	SMCS Predefined with this LU name
228	(E4)	CHARACTER	36	UCMEPS_BIND	SMCS Bind Parameters
264	(108)	ADDRESS	4	UCMEPS_SAVED_XB	Saved UCMXB address for SMCS cleanup routine
268	(10C)	SIGNED	4	UCMEPS_SAVED_TUL	Saved UCMEPTUL value for SMCS cleanup routine
272	(110)	CHARACTER	32	UCMEP_ENQ_TOKEN	Token from ENQ for ENQ on console name
304	(130)	CHARACTER	32	UCMEP_USERID_ENQ_TOKEN	Token from ENQ for ENQ on Userid
336	(150)	CHARACTER	16	UCMEP_LAST_ATTN_ETOD	Time of last attention
352	(160)	CHARACTER	80		Reserved
352	(160)	X'1B0'	0	UCMEPLEN	"*-UCMEPEXT" - LENGTH OF A UCME PAGEABLE EXTENSION (MDC365)

Table 535. Structure UCMSSET

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UCMSSET	
0	(0)	CHARACTER	8	UCMSSET_ACRONYM	Acronym - 'UCMSSET '
8	(8)	SIGNED	4	UCMSSET_FLAGS	Flags word
8	(8)	BITSTRING	1	UCMSSET_FLAGS1	Flags first byte
Bit definitions:					

Table 535. Structure UCMSSET (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		UCMSSET_STARALL	"X'80'" Send message to all subsystems (*ALL specified)
		.1..		UCMSSET_STARNONE	"X'40'" Send message to no subsystems (*NONE specified)
9	(9)	CHARACTER	3		Reserved
12	(C)	CHARACTER	164	UCMSSET_TABLE	Table of subsystems
12	(C)	SIGNED	4	UCMSSET_#OFSUBSYSTEMS	Count of subsystems in the list
16	(10)	CHARACTER	4	UCMSSET_SUBSYSTEMNAME	Subsystem name vector
176	(B0)	X'B0'	0	UCMSSET_LEN	"*-UCMSSET"
176	(B0)	X'C3D4E2'	0	UCMSSET_KACRONYM_0TO3	"C'UCMS'" This is the first 4-byte segment of an 8-byte constant.
176	(B0)	X'C5E340'	0	UCMSSET_KACRONYM_4TO7	"C'SET '" This is the second 4-byte segment of an 8-byte constant.
176	(B0)	X'28'	0	UCMSSET_KDIMSUBSYSTEMNAME	"40"

Table 536. Cross Reference for UCM

Name	Offset	Hex Tag
MCSUCM	0	0
UCM	0	
UCM_ABEND077_0BAD	50	50
UCM_CNZMYTSK_ADDR	190	
UCM_CNZS1DOM	174	
UCM_CNZS1WTO	170	
UCM_DEFAULT_RC11	47	2
UCM_DNR_RSV02	0	
UCM_DNR_RSV05	14C	
UCM_DNR_RSV06	150	
UCM_DWNLVL_UCMAMFA	44	8
UCM_DWNLVL_UCMSYSE	54	8
UCM_EMCS_CONSOLE_REMOVAL_DONE	47	1
UCM_IEAVG607	198	
UCM_IEAVMQWR_DYNAMIC@	5C	
UCM_MEMTOKEN	178	
UCM_RESERVE1	1B0	0
UCM_STANDBY_CONSOLES_CHECKED	55	20
UCM_SYSTEM_IS_PARTITIONING	61	20
UCM_WTO_SVC_SWAPPED	61	10
UCMAAREA	0	
UCMABUFF	57	80
UCMACEHD	10	
UCMACETL	14	
UCMAECB	4	0
UCMAECBA	C	
UCMAEHD	8	
UCMAETL	C	
UCMAF	18	80
UCMAHERE	21	20

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMAIHD	0	
UCMAITL	4	
UCMAMRF	45	0
UCMAMRFA	45	80
UCMAMRFC	45	8
UCMAMRFF	57	40
UCMAMRFR	45	2
UCMAMRFS	57	20
UCMAMRMX	12E	1FDC
UCMARSV4	57	10
UCMARSV5	57	8
UCMARSV6	57	4
UCMARSV7	57	2
UCMARSV8	57	1
UCMASCB	118	
UCMATR	19	
UCMAT04	19	4
UCMAUTH	28	
UCMAUTHA	28	0
UCMAUTHB	29	0
UCMAUTH1	28	80
UCMAUTH2	28	40
UCMAUTH3	28	20
UCMB_ART@	1A0	
UCMB_BIGACEE_NOTSUPPORTED	194	8
UCMB_BWRBLIMIT	144	2000
UCMB_CS	194	
UCMB_CS1	194	0
UCMB_CS2	195	0
UCMB_CS3	196	0
UCMB_CS4	197	0
UCMB_DCCF_WTOR_ROLL_TO_NEXT_CONSOLE_TIME	12D	
UCMB_DIST_MODE	12C	40
UCMB_IEAVBWGL_STIMER_VALUE	19C	0
UCMB_LAST_ORE@	104	
UCMB_MAX#_WQES	88	C350
UCMB_MODE_DIST_REQUESTED	12C	8
UCMB_MODE_DONT_CARE_REQUESTED	12C	20
UCMB_MODE_FLAGS	12C	0
UCMB_MODE_IN_TRANSITION	12C	4
UCMB_MODE_SHARED_REQUESTED	12C	10
UCMB_MSGLOSS_NOT_SUPPORTED	194	20
UCMB_MSGLOSS_NOTIFY_TIM	194	10
UCMB_RSV001	47	4
UCMB_RSV003	CC	0
UCMB_RSV004	30	0
UCMB_SBCXBWC_ELEMENTS	1AC	0
UCMB_SWITCH_NOT_SUPPORTED	194	80
UCMB_TEXTTABLEADDR	1A8	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMB_UNSWITCH_CONSOLES	194	40
UCMBF	18	20
UCMBFEXT	F0	
UCMBMPFS	ED	50
UCMBRDST	15C	0
UCMCBID	140	E4C3D440
UCMCF	18	10
UCMCHKHG	F8	1E
UCMCMDPT	13C	
UCMCMDQR	134	
UCMCMID	58	2710
UCMCNFIX	CC	
UCMCONVP	130	
UCMCPFTA	B0	
UCMCQECP	154	0
UCMCTIC	44	80
UCMCTID	FA	0
UCMCUCME	84	
UCMDCB	8	
UCMDECB	C	
UCMDECBA	14	
UCMDEVA	3F	80
UCMDEVC	3F	
UCMDEVD	3F	10
UCMDEVE	3F	8
UCMDEVF	3F	4
UCMDIDCS	21	4
UCMDIDL	58	
UCMDISP	2A	
UCMDISPC	2A	20
UCMDISPD	2A	10
UCMDISPE	2A	8
UCMDISPF	2A	4
UCMDISPG	2A	2
UCMDISPI	2B	80
UCMDISPJ	2B	40
UCMDISPK	2B	20
UCMDISPL	2B	10
UCMDISPM	2B	8
UCMDISPN	2B	4
UCMDISPX	2B	2
UCMDISP1	2A	
UCMDISP2	2B	
UCMDOME	4C	
UCMDOMLE	54	
UCMDRSVB	2A	40
UCMDUCBA	80	
UCME_AVAILABLE_4_REUSE	21	4
UCME_DO_NOT_ENTER_STANDBY	21	1

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCME_DWNLVL_MC	2A	80
UCME_IN_STANDBY	19	8
UCME_RSV01	3E	0
UCME_RSV02	3F	20
UCME_RSV03	2A	1
UCME_STANDBY_PENDING	21	2
UCME_STANDBY_SUPPORTED	19	20
UCMECB	0	
UCMECBFA	0	FA
UCMECBFB	0	FB
UCMECBFC	0	FC
UCMECBFD	0	FD
UCMECBFE	0	FE
UCMECBFF	0	FF
UCMECBF9	0	F9
UCMEDEVX	1B	
UCMEF_AUTOLOG_REQUIRED	0	1
UCMEF_BACKLOG_MSG_ISSUED	1	1
UCMEF_ISSUE_CNZ4303I	0	8
UCMEF_LOGON_OPTIONAL	0	4
UCMEF_LOGON_REQUIRED	0	2
UCMEFAIL	21	8
UCMEFALG	1	20
UCMEFALL	1	4
UCMEFATT	2	
UCMEFAUT	13	10
UCMEFCN	C	
UCMEFCNC	C	
UCMEFCNM	34	
UCMEFCNN	D	
UCMEFCQE	30	
UCMEFCSA	15	40
UCMEFDVX	9	
UCMEFEXT	0	
UCMEFHCY	13	8
UCMEFINT	13	4
UCMEFLBC	A	4
UCMEFLCE	A	20
UCMEFLE	A	10
UCMEFLEN	5C	6C
UCMEFLGA	0	80
UCMEFLGB	0	40
UCMEFLGC	0	20
UCMEFLGD	0	10
UCMEFLG1	0	
UCMEFLG2	1	
UCMEFLI	A	8
UCMEFLIA	A	40
UCMEFLOG	1	10

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMEFLR	A	80
UCMEFLRQ	1	40
UCMEFLVL	A	
UCMEFL1	A	
UCMEFL2	B	
UCMEFL3	15	
UCMEFMSA	15	80
UCMEFMSC	13	
UCMEFMS3	13	20
UCMEFNSC	12	
UCMEFPEX	4	
UCMEFRC	18	
UCMEFRSV1	1	2
UCMEFRSV2	3	
UCMEFRSV3	10	
UCMEFRSV4	14	
UCMEFRSV5	2C	
UCMEFRSV6	28	
UCMEFRSV7	1	8
UCMEFRV2	16	
UCMEFS_CID	58	
UCMEFS_CLSDST_QUERY_RPL	54	
UCMEFS_RCVRPL	50	
UCMEFS_SNDRPL	4C	
UCMEFSA2	8	
UCMEFSDL	3C	
UCMEFSEC	40	
UCMEFSTW	1	80
UCMEFUID	44	
UCMEFUNK	13	2
UCMEGCHG	21	80
UCMEIL	0	
UCMEMCLS	18	2
UCMEND	4C	0
UCMENHR	28	40
UCMEP_CDUPTR	44	
UCMEP_DEVNUM	48	
UCMEP_DWNLVL_ALTGRP	70	
UCMEP_DWNLVL_UCMEPSFC	6C	
UCMEP_DWNLVL_UCMEPSTC	68	
UCMEP_ENQ_TOKEN	110	
UCMEP_HMCS_VMPL@	34	
UCMEP_LAST_ATTN_ETOD	150	
UCMEP_LGN_TIMEOUT	2E	
UCMEP_RSV01	38	
UCMEP_USERID_ENQ_TOKEN	130	
UCMEPA	4C	
UCMEPADD	4C	40
UCMEPAID	8	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMEPAIN	C	80
UCMEPARD	1A	
UCMEPARE	1C	
UCMEPASY	C	10
UCMEPAUT	A	
UCMEPCOL	B9	
UCMEPCON	27	
UCMEPCS	5F	
UCMEPDEL	28	
UCMEPEDS	C	8
UCMEPEXT	0	
UCMEPFG1	C	
UCMEPFG4	F	
UCMEPFKM	18	
UCMEPFKT	10	
UCMEPFUD	C	4
UCMEPLEN	160	1B0
UCMEPMJ	D	80
UCMEPMON	D	
UCMEPMS	D	4
UCMEPMST	D	40
UCMEPMTM	D	2
UCMEPMTR	D	
UCMEPMT2	E	
UCMEPM02	D	20
UCMEPM03	D	10
UCMEPM04	D	8
UCMEPM07	D	1
UCMEPNME	0	
UCMEPPOB	C	20
UCMEPRBF	2F	
UCMEPRNM	2C	
UCMEPROW	B8	
UCMEPRSV6	67	
UCMEPRSV9	78	
UCMEPRTM	2A	
UCMEPS_BIND	E4	
UCMEPS_EXLST	C8	
UCMEPS_FLAGS	BB	
UCMEPS_LPAB_ADDR	CC	
UCMEPS_LPAB_LEN	D0	
UCMEPS_LU_PREDEF	DC	
UCMEPS_LUNAME	D4	
UCMEPS_LUTYPE	BA	
UCMEPS_LU0	BA	80
UCMEPS_LU2	BA	20
UCMEPS_MID_OF_BRACKET	BB	10
UCMEPS_NIB	C4	
UCMEPS_RSV2	BB	80

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMEPS_SAVED_TUL	10C	
UCMEPS_SAVED_XB	108	
UCMEPS_VCBADR	BC	
UCMEPS_VCBLEN	C0	
UCMEPSEG	2D	
UCMEPSNL	A8	
UCMEPSNM	57	
UCMEPSYS	A0	
UCMEPTFL	C	40
UCMEPTOK	B0	
UCMEPTUL	30	
UCMEPUSE	4C	80
UCMES_ACTVE	22	20
UCMES_ALLOC	22	40
UCMES_CLEANUP_IN_PROGRESS	22	10
UCMES_DEVICE_WAS_BUSY	22	4
UCMES_FLAGS	22	
UCMES_LOGOFF_IN_PROGRESS	22	8
UCMES_SMCS	22	80
UCMESIZE	4C	50
UCMETIOE	AC	
UCMEXITF	9E	
UCMEXIT1	9E	0
UCMEXIT2	9F	0
UCMEXSSI	45	4
UCMF_CNZC2HLN@	34	
UCMF_DWNLVL_UCMFATCN	24	
UCMF_DWNLVL_UCMFCSYN	E0	
UCMF_IEAVN701_INIT_COMPLETE	1A	40
UCMF_MT_ADDR	164	
UCMF_Q1MDQ_DYNAMIC	16C	
UCMF_RSV01	1A	10
UCMF_RSV02	A8	
UCMF_TEXTTABLEADDR	168	
UCMFAHTP	F8	
UCMFAMRN	44	
UCMFAMRS	4E	
UCMFCCEP	C4	
UCMFCLAD	EC	
UCMFCLRA	58	
UCMFCLTP	BC	
UCMFCLTS	C8	
UCMFCMDL	94	
UCMFCMIN	B	40
UCMFCMTP	AC	
UCMFCQSD	A	10
UCMFCSTP	B8	
UCMFCTCA	148	
UCMFCWKP	144	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMFDMPA	F0	
UCMFDSQN	70	
UCMFEBSZ	4F	
UCMFELEN	2C	
UCMFELST	30	
UCMFEQSD	A	20
UCMFEXTA	0	
UCMFEXTP	48	
UCMFE1ST	28	
UCMFFLG1	8	
UCMFFLG2	9	
UCMFFLG3	A	
UCMFHCRT	74	
UCMFHOLD	B	10
UCMFHPRT	98	
UCMFIBSZ	4C	
UCMFIQSD	A	40
UCMFLOGA	B	2
UCMFLOGR	B	4
UCMFMGFS	8	
UCMFMISC	B	
UCMFMIS2	1A	
UCMFMIS3	95	
UCMFMITP	C0	
UCMFMPFP	54	
UCMFMSGA	8	40
UCMFMSGB	9	8
UCMFMSGE	8	80
UCMFMSG6	9	80
UCMFMSG9	9	10
UCMFOMD	CC	
UCMFPCMP	1A	2
UCMFPCOK	1A	80
UCMFPPTR	4	
UCMFPUCM	114	
UCMFRACT	B	1
UCMFRCDA	D8	
UCMFRMCP	40	
UCMFRQSD	A	80
UCMFRRAD	120	
UCMFRSVD	A	8
UCMFRSVE	A	4
UCMFRSVF	A	2
UCMFRSVG	A	1
UCMFRSVH	B	20
UCMFRSVI	8	20
UCMFRSVJ	1C	
UCMFRSV4	96	
UCMFRSV5	F4	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMFRXAD	E8	
UCMFS_CPME	158	
UCMFS_CPME_CONTRACT_CELL_POOL	14	F9
UCMFS_CPME_EXPAND_CELL_POOL	14	FA
UCMFS_HT_ECB	15C	
UCMFS_HT_TERME	160	
UCMFS_STARTE	170	
UCMFS_TERME	154	
UCMFS_TERME_OK_2_CLOSE	14	FB
UCMFS_TERME_TPEND_HALT	14	FE
UCMFS_TERME_TPEND_HALT_CANCEL	14	FC
UCMFS_TERME_TPEND_HALT_QUICK	14	FD
UCMFSAVE	0	
UCMFSAVP	50	
UCMFSMTA	B4	
UCMFSNL	1B	
UCMFSRB	118	
UCMFSTAT	44	2
UCMFST2A	10C	
UCMFSUBA	90	
UCMFSVDM	6D	
UCMFSVLN	44	48
UCMFSV01	0	
UCMFSV02	4	
UCMFSV03	8	
UCMFSV04	C	
UCMFSV05	10	
UCMFSV06	14	
UCMFSV07	18	
UCMFSV08	1C	
UCMFSV09	20	
UCMFSV10	24	
UCMFSV11	28	
UCMFSV12	2C	
UCMFSV13	30	
UCMFSV14	34	
UCMFSV15	38	
UCMFSV16	3C	
UCMFSV17	40	
UCMFSV18	44	
UCMFSYID	6C	
UCMFSYNL	1A	8
UCMFSYNM	64	
UCMFTSWA	100	
UCMFUCMF	0	
UCMFUDTK	FC	
UCMFUMPF	9	4
UCMFUTOK	C	
UCMFWCTA	108	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMFWQEC	104	
UCMFWQES	20	
UCMFWRID	B	80
UCMFWSVP	DC	
UCMF043D	84	
UCMF4RSV	B	8
UCMF440	1A	1
UCMF60OR	16	
UCMF60WQ	10	
UCMF606	110	
UCMF75MR	46	
UCMF80MR	48	
UCMF80OR	18	
UCMF80WQ	12	
UCMF95MR	4A	
UCMF95WQ	14	
UCMGENXP	5C	
UCMGLBCH	19	1
UCMHCENT	47	10
UCMHMCS	1B	1F
UCMID	1A	
UCMIECBA	20	
UCMIECBE	20	80
UCMIECBF	20	
UCMIECBP	21	
UCMIF	19	40
UCMINCLR	19	2
UCMINTCB	148	
UCMINUSE	21	10
UCMJES3T	128	
UCMLECB	C	0
UCMLIST	0	
UCMLOGS	47	40
UCMLSTP	14	
UCMMBEND	FC	
UCMMBPTR	E8	
UCMMCS_RSV01	56	0
UCMMCSF	47	8
UCMMD202	47	20
UCMMFLG3	61	
UCMMFLG4	8C	
UCMMISCF	9D	
UCMMLAST	40	
UCMMNECB	D4	0
UCMMNTR	D0	
UCMMODE	44	
UCMMODE2	47	0
UCMMQEND	E0	
UCMMQNXT	E4	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMMQPTR	DC	
UCMMRSV4	61	8
UCMMRSV5	61	4
UCMMRSV6	61	2
UCMMRSV7	61	1
UCMMSG	3C	
UCMMSGA	3C	80
UCMMSGB	3C	40
UCMMSGD	3C	10
UCMMSGF	3C	4
UCMMSGG	3C	2
UCMMSG1	3C	
UCMMSG2	3D	
UCMMTSRP	164	
UCMM2SLX	9E	80
UCMNAME	10	
UCMNIPD	62	
UCMNWTOP	168	
UCMOECB	8	0
UCMOECBA	10	
UCMOECBH	108	
UCMOECBT	10C	
UCMOF	19	80
UCMOGCE	44	4
UCMOPLGF	8C	4
UCMOPSA	8C	40
UCMOPSD	8C	10
UCMOPSEA	8C	8
UCMOPSEO	88	0
UCMOPSEP	98	
UCMOPSES	94	
UCMOPSS	8C	80
UCMOPSV	8C	20
UCMOPS6	8C	2
UCMOPS7	8C	1
UCMORECP	110	0
UCMOUTQ	24	
UCMOVRDE	47	80
UCMOWTOR	180	
UCMP_AUXDSMARRAYPTR	2F8	
UCMP_CAS_MDS_NAME	2D0	
UCMP_CNZINLPA_END@	308	
UCMP_CNZINLPA_START@	304	
UCMP_CNZI1CDP_COMPLETE_ECB	168	
UCMP_CNZK1CMB@	6C	
UCMP_CNZX1ARC_ADDR	2EC	
UCMP_CNZZ050E_DOMID	90	
UCMP_CONSDEFN@	16C	
UCMP_CS_FLAGS	270	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMP_CS_FLAGS1	270	
UCMP_CS_FLAGS2	271	
UCMP_CS_FLAGS3	272	
UCMP_CS_FLAGS4	273	
UCMP_DIDOCS_CNID	294	
UCMP_DIDOCS_NAME	298	
UCMP_DOMID_CNZ3015A	2E8	
UCMP_DOUEXIT	60	8
UCMP_DWNLVL_UCMPMDEV	E4	
UCMP_DWNLVL_UCMPMSYN	EC	
UCMP_DWNLVL_UCMPNCC	C	
UCMP_DWNLVL_UCMPNMCC	8	
UCMP_HMCS_CONSNAME	32C	
UCMP_HMCS_LISTEN_TOKEN	48	
UCMP_HMCS_NAME_ENQ_TOKEN	30C	
UCMP_HMCS_RDCM_TDCM_SAVED@	4C	
UCMP_HMCS_RDCM_TDCM_SIZE	50	
UCMP_IEAVN615_COMPLETE_ECB	164	
UCMP_LOT_MDBC_SD_INFO	2B8	
UCMP_LOT_RESTORE_INFO	2A0	
UCMP_LOT_SD_INFO	2A0	
UCMP_MCACHE_DSP_NAME	2D8	
UCMP_MCS_CHANGE_ECB	AC	
UCMP_MFA_INIT@	94	
UCMP_MFA_MSG@	8C	
UCMP_MFA_STARTATIPL	60	10
UCMP_MFA_SUFFIX	80	
UCMP_MFAT@	178	
UCMP_MIGRATION_INSTANCE	2FC	
UCMP_MSGO_FAILED	278	
UCMP_OK_4_CNZI1DCA	2E0	
UCMP_ONDEMAND_AUTOR_ECB	68	
UCMP_OPERLOG_DOMID_CNZ4201E	2F4	
UCMP_ORE_Q_REPAIR_RTN	B0	
UCMP_RSV001	184	
UCMP_SENDTO_ARC_PTR	274	
UCMP_SUBSYSTEMENTRYTABLE@	2E4	
UCMP_SYSLOG_CNID	288	
UCMP_SYSLOG_DOMID_CNZ4201E	2F0	
UCMP_SYSLOG_NAME	28C	
UCMP_TRACKING_ACTIVE	270	80
UCMP_WTOCONNECTANCHOR@	27C	
UCMPADDROFCNZM1GLU	300	
UCMPAMRB	57	
UCMPAMRC	18	
UCMPAMRF	1C	
UCMPAMRI	D8	
UCMPAMRR	20	
UCMPAMRS	14	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMPCNEV	150	
UCMPCNXX	B4	
UCMPCTRP	120	
UCMPCTSC	198	
UCMPDCDM	188	
UCMPDMMH	D0	
UCMPDMML	D0	
UCMPDMMS	D1	
UCMPDMSG	18C	
UCMPDMSH	E8	
UCMPDMSL	E9	
UCMPDMSN	E8	
UCMPDM1	4	
UCMPECBA	C4	
UCMPECBB	C8	
UCMPECBD	F4	
UCMPECBE	130	
UCMPECBF	134	
UCMPECBM	3C	
UCMPECBU	144	
UCMPECBX	140	
UCMPECB1	40	
UCMPECB2	44	
UCMPECB4	A0	
UCMPECB5	A4	
UCMPECB6	A8	
UCMPECB7	B8	
UCMPECB8	C0	
UCMPECB9	9C	
UCMPECEV	154	
UCMPELEN	34	
UCMPELST	38	
UCMPEXTA	0	
UCMPE1ST	30	
UCMPF	18	40
UCMPFLG1	60	
UCMPFPTR	E0	
UCMPFTOD	DC	
UCMPGECB	17C	
UCMPHUNG	14C	
UCMPLOCO	60	4
UCMPLOGL	118	
UCMPLT80	84	
UCMPL100	88	
UCMPMEST	12C	
UCMPMFRR	128	
UCMPMMSM	82	
UCMPMPFD	24	
UCMPMPFM	11C	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMPNECB	98	
UCMPOGNX	284	
UCMPOMPF	280	
UCMPOREC	28	
UCMPORES	2C	
UCMPOWCP	244	
UCMPPART	BC	
UCMPPFKC	60	20
UCMPPFKM	62	
UCMPPFKT	78	
UCMPQWRR	58	
UCMPRACN	158	
UCMPRANM	15C	
UCMPRCLC	170	
UCMPRFX	0	
UCMPRFXP	A4	
UCMPROUT	B6	
UCMPRSVD	334	
UCMPRSVH	7C	
UCMPRSVK	100	
UCMPRSVO	54	
UCMPRSVP	56	
UCMPRSVQ	56	80
UCMPRSVR	56	40
UCMPRSVS	56	20
UCMPRSVT	56	10
UCMPRSVU	64	
UCMPRSVW	110	
UCMPRSVX	190	
UCMPRSVY	194	
UCMPRSV2	70	
UCMPRSV3	61	
UCMPRSV4	56	8
UCMPRSV5	56	4
UCMPRSV6	56	2
UCMPRSV7	56	1
UCMPRTQE	138	
UCMPRTQS	13C	
UCMPS_ACBADDR	1C4	
UCMPS_APPLID	1E1	
UCMPS_APPLID_AREA	1E0	
UCMPS_APPLID_INUSEBY_AREA	1E9	
UCMPS_APPLID_INUSEBY_LEN	1E9	
UCMPS_APPLID_INUSEBY_SYSTEM	1EA	
UCMPS_APPLID_LEN	1E0	
UCMPS_CLNUP	1B8	
UCMPS_CLSEXIT	1C0	
UCMPS_DISPLAY_DSP_ADDR	228	
UCMPS_DISPLAY_DSP_NAME	220	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMPS_DNR_RSV01	24C	
UCMPS_DNR_RSV02	254	
UCMPS_DNR_RSV03	258	
UCMPS_DNR_RSV04	250	
UCMPS_DOMID_APPLID	23C	
UCMPS_DOMID_GENERIC	238	
UCMPS_DOMID_IEE823E	264	
UCMPS_DOMID_WAIT_4_ACTIVATION	240	
UCMPS_DOMID_WAIT_4_APPLID_CHANGE	234	
UCMPS_DWNLVL_MSTR_LU	20C	
UCMPS_EOT_ECB	208	
UCMPS_EXITLST	1C8	
UCMPS_EXLST_LEN	21C	
UCMPS_GENERIC_INUSEBY_SYSTEM	1FA	
UCMPS_GENRCID	1F2	
UCMPS_HT_SUBTASK_TCB	268	
UCMPS_LGLEXIT	1A8	
UCMPS_LGNEXIT	19C	
UCMPS_LSTEXIT	1AC	
UCMPS_MAINRTN_TCB	1DC	
UCMPS_NIB_LEN	218	
UCMPS_NIBADDR	1D0	
UCMPS_RCVEXIT	1BC	
UCMPS_RPL_LEN	214	
UCMPS_RSPEXIT	1B0	
UCMPS_SETLRPL	1CC	
UCMPS_SMCS_ACTIVE	334	4
UCMPS_SMCS_CP_ADDR	260	
UCMPS_SMCS_INITIALIZING	334	1
UCMPS_SMCS_NOT_ACTIVE	334	0
UCMPS_SMCS_SHUTTING_DOWN	334	5
UCMPS_SMCS_TERMINATING	334	6
UCMPS_SMCS_WAIT_4_APPLID	334	3
UCMPS_SMCS_WAIT_4_APPLID_CHANGE	334	7
UCMPS_SMCS_WAIT_4_VTAM	334	2
UCMPS_SNDEXIT	1B4	
UCMPS_STATUS	202	
UCMPS_SYMREC_ADDR	25C	
UCMPS_SYNEXIT	1A4	
UCMPS_TPDEXIT	1A0	
UCMPS_VCBADDR	1D4	
UCMPS_VCBLEN	1D8	
UCMPS_VM200_ADDR	248	
UCMPSTKN	F8	
UCMPSWCT	180	
UCMPSWRK	5C	
UCMPSYN	108	
UCMPTCBU	148	
UCMPUCMP	0	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMPUXIT	60	40
UCMPWERA	60	80
UCMPWQE	4	
UCMPWQES	10	
UCMPXA	40	
UCMPXB	44	
UCMPXITA	60	2
UCMPXTDF	60	1
UCMP7603	D4	
UCMQSCAN	138	
UCMRCT	44	
UCMREFSH	61	80
UCMRMAX	24	0
UCMRPYF	28	
UCMRPYF1	28	0
UCMRPYF2	29	0
UCMRPYIL	2A	0
UCMRPYIP	20	
UCMRPYL	4	0
UCMRPYLV	5C	0
UCMRPYQ	1C	
UCMRPY0I	28	80
UCMRP2AD	F4	
UCMRQLM	2C	0
UCMRQNR	38	0
UCMRSVA1	D0	
UCMRSVA2	D4	
UCMRSVA3	2C	
UCMRSVB5	61	40
UCMRSVC0	3F	1
UCMRSVC6	55	10
UCMRSVC7	55	1
UCMRSVC9	60	0
UCMRSVD0	0	0
UCMRSVD1	8	
UCMRSVD2	1C	
UCMRSVD4	54	10
UCMRSVD5	21	40
UCMRSVD6	38	
UCMRSVD7	3F	40
UCMRSVD8	3F	2
UCMRSVF3	9C	4
UCMRSVF4	9C	20
UCMRSVF5	9C	10
UCMRSVF6	9C	8
UCMRSVF7	54	1
UCMRSVF9	55	8
UCMRSV0B	9D	2
UCMRSV0C	9D	1

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMRSV00	13	80
UCMRSV02	13	40
UCMRSV03	64	
UCMRSV05	38	
UCMRSV06	3C	
UCMRSV07	60	
UCMRSV08	9C	2
UCMRSV09	9C	1
UCMRSV15	3	0
UCMRSV19	28	10
UCMRSV20	28	8
UCMRSV21	28	4
UCMRSV22	28	2
UCMRSV23	28	1
UCMRSV27	3C	1
UCMRSV30	20	8
UCMRSV49	12C	2
UCMRSV50	12C	1
UCMRSV62	1	0
UCMRSV67	15E	0
UCMRSV69	8D	
UCMRSV70	3C	20
UCMRSV71	3C	8
UCMRSV74	14	
UCMRSV77	45	40
UCMRSV78	45	20
UCMRSV79	45	10
UCMRSV81	45	1
UCMRSV85	2	0
UCMRSV86	23	
UCMRSV91	9D	80
UCMRSV92	9D	40
UCMRSV95	1A	20
UCMRSV98	9D	10
UCMRTCT	2	0
UCMRV008	8	1
UCMRWCLE	1B	1D
UCMRWCLN	1B	1E
UCMR0MSG	160	0
UCMS_FAILURE_STATUS	5D	0
UCMS_SMCS_ACTIVE	5D	80
UCMS_SMCS_CLOSING_ABNORMAL	5D	10
UCMS_SMCS_CLOSING_FAILURE	5D	8
UCMS_SMCS_CLOSING_NORMAL	5D	40
UCMS_SMCS_CLOSING_QUICK	5D	20
UCMS_SMCS_FAILED	5D	4
UCMS_SMCS_FAILED_NO_RETRY	5D	2
UCMS_VTAM_ACCESS_WAITTIME	5E	F1F5
UCMSAVE0	4	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMSAVE4	8C	0
UCMSBPTR	16C	
UCMSBR	4	
UCMSDS1	9C	
UCMSDS1A	9C	80
UCMSDS1B	9C	40
UCMSDS5	20	0
UCMSDS5A	20	80
UCMSDS5B	20	40
UCMSDS5C	20	20
UCMSDS5D	20	10
UCMSDS5F	20	4
UCMSDS5G	20	2
UCMSDS5H	20	1
UCMSFLGS	54	
UCMSFLG1	54	
UCMSFLG2	55	
UCMSPLXQ	44	40
UCMSP13	46	1
UCMSP211	46	2
UCMSP220	46	3
UCMSP410	46	4
UCMSP420	46	5
UCMSP422	46	6
UCMSP440	46	7
UCMSP51X	46	8
UCMSSET	0	
UCMSSET_#OFSUBSYSTEMS	C	
UCMSSET_ACRONYM	0	
UCMSSET_FLAGS	8	
UCMSSET_FLAGS1	8	
UCMSSET_KACRONYM_0TO3	B0	C3D4E2
UCMSSET_KACRONYM_4TO7	B0	C5E340
UCMSSET_KDIMSUBSYSTEMNAME	B0	28
UCMSSET_LEN	B0	B0
UCMSSET_STARALL	8	80
UCMSSET_STARNONE	8	40
UCMSSET_SUBSYSTEMNAME	10	
UCMSSET_TABLE	C	
UCMSSIBP	158	0
UCMSTS	18	
UCMSVA0	4	0
UCMSVB0	8	0
UCMSVC0	C	0
UCMSVD0	10	0
UCMSVE0	14	0
UCMSVF0	18	0
UCMSVG0	1C	0
UCMSVH0	20	0

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMSVI0	24	0
UCMSVJ0	28	0
UCMSVK0	2C	0
UCMSVL0	30	0
UCMSVM0	34	0
UCMSVN0	38	0
UCMSVO0	3C	0
UCMSVP0	40	0
UCMSVQ0	44	0
UCMSVR0	48	0
UCMSWCH	11C	
UCMSWECB	7C	0
UCMSYPLX	44	10
UCMSYSB	54	40
UCMSYSC	54	20
UCMSYSF	54	4
UCMSYSG	54	2
UCMSYSHC	54	80
UCMSYSI	55	80
UCMSYSJ	55	40
UCMSYSN	55	4
UCMSYSO	55	2
UCMTA	18	8
UCMTB	18	4
UCMTC	18	1
UCMTPUTA	44	20
UCMTRECB	D8	0
UCMUCASZ	38	5E
UCMUCB	C	
UCMUECB	10	0
UCMUECBA	18	
UCMUF	19	10
UCMULGTH	3A	50
UCMUPEA	80	
UCMUPEB	84	
UCMUREFP	114	
UCMUSIZE	38	50
UCMVDATA	48	
UCMVEA	48	
UCMVEL	50	
UCMVEZ	4C	
UCMVMPL	4C	
UCMVRID	46	F
UCMVRSN	46	
UCMVSTKN	64	
UCMVWTCB	14C	
UCMWAKUP	124	
UCMWDONE	9D	4
UCMWLAST	34	

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCMWMDX	9E	40
UCMWQADA	150	
UCMWQECT	100	0
UCMWQEND	3C	0
UCMWQLM	2E	0
UCMWQLM1	EE	0
UCMWQNR	34	0
UCMWTOQ	18	
UCMWTOX	50	
UCMWU100	9D	20
UCMWU400	9D	8
UCMXA	1A	
UCMXB	1C	
UCMXSA	68	
UCMXSLID	EC	0
UCMZV1R5	46	9
UCMZV142	46	A
UCMZV180	46	F
UCM1SYS	44	1
UCM1WD	68	
UCM2DRCS	0	0
UCM2DSTR	8	10
UCM2DTAK	8	20
UCM2EXT	0	
UCM2FAIL	8	2
UCM2PST	4	
UCM2PTR	A0	
UCM2REC	8	4
UCM2SDWA	8	80
UCM2SENT	8	40
UCM2SFLG	8	0
UCM2STAA	10	
UCM2TOKN	C	0
UCM2WD	6C	
UCM2WTOI	8	8
UCM2732E	1B	16
UCM3WD	70	
UCM3160E	1B	18
UCM3180E	1B	17
UCM3211	1B	6
UCM3215	1B	7
UCM3270X	1B	15
UCM32772	1B	9
UCM32782	1B	B
UCM32783	1B	D
UCM32784	1B	E
UCM3284	1B	13
UCM3782A	1B	C
UCM3792A	1B	F

Table 536. Cross Reference for UCM (continued)

Name	Offset	Hex Tag
UCM3792B	1B	10
UCM3792C	1B	14
UCM3793A	1B	11
UCM3793B	1B	12
UCM4WD	74	
UCM4380E	1B	19
UCM5WD	78	
UCM5006E	1B	1C
UCM6WD	7C	
UCM6260E	1B	1B
UCM6280E	1B	1A

Chapter 146. UPL Information

UPL Heading Information

Common Name:	UCB Pointer List
Macro ID:	IEFZB461
DSECT Name:	UPL
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	UPL Offset: 0 Length: 4
Storage Attributes:	Subpool: 241 Key: 1 Residency: Above 16M line
Size:	16 bytes + 4 bytes for each UCB generated in the system
Created by:	IEFAB4I1 (UPL Build routine)
Pointed to by:	EDTUPLP field of the EDT data area (IEFZB421)
Serialization:	Same as EDT
Function:	This table contains the Unit Control Block (UCB) address for each device in the system. The entries are in the same order as the device numbers in the device number section of the Eligible Device Table (EDT).

UPL mapping

Table 537. Structure UPL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	UPL	UCB POINTER LIST
0	(0)	CHARACTER	16	UPLHDR	HEADER
0	(0)	CHARACTER	4	UPLID	'UPL '
4	(4)	SIGNED	4	UPLNO	NUMBER OF ENTRIES
8	(8)	SIGNED	4	UPLNUCBS	Number of tape and DA UCBs in the system. This is used by device allocation and initialized by IEFAB4I0.
12	(C)	CHARACTER	4	*	RESERVED
16	(10)	ADDRESS	4	UPLUCBA(*)	UCB ADDRESSES

Chapter 147. URLB Information

URLB Heading Information

Common Name: URLB - Unconditional Reserve block
Macro ID: IOSDURLB
DSECT Name: URLB
Owning Component: IOS (SC1C3)
Eye-Catcher ID: URLB
Offset: 0
Length: 4
Storage Attributes: Subpool: 245
Key: 0
Size: See Listing
Created by: IOSVURVL
Pointed to by: N/A
Serialization: N/A
Function: This macro describes the layout of the unconditional reserve processing work area obtained from Subpool 245 in module IOSVURVL.

URLB mapping

Table 538. Structure URLB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	1632	URLB	URLB block
0	(0)	CHARACTER	24	*	
0	(0)	CHARACTER	4	URLBID	U/R ID - 'URLB'
4	(4)	CHARACTER	4	URLBCHNF	Chain field
8	(8)	CHARACTER	2	URLBDEVN	Device number undergoing U/R (UCBCHAN value)
U/R - Processing Flags					
10	(A)	CHARACTER	2	URLBFLGS	U/R processing flags
10	(A)	BITSTRING	1	URLBFLG1	Flag byte 1
		1...		URLBRENT	1 - Not first entry in IOSVURDT for this U/R processing
		.1..		URLBDET	Detection processing complete in IOSVURDT
		..11 11..		*	Reserved
		.... ..1.		URLBRACW	Reset allegiance CCW supported
		1		URLBURCW	UR CCW supported
11	(B)	BITSTRING	1	URLBFLG2	Flag byte 2
		1...		URLBURDT	IOSVURDT entered
		.1..		URLBMSLG	IOSVMSLG entered
		..1.		URLBURS1	
		...1 1111		*	Reserved
U/R - Subpool number and length of U/R work area					
12	(C)	UNSIGNED	2	URLBSUBP	Subpool number
14	(E)	UNSIGNED	2	URLBLNTH	U/R work area length

Table 538. Structure URLB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
U/R - Miscellanous processing flags and counts					
16	(10)	CHARACTER	4	*	
16	(10)	BITSTRING	1	URLBDTCT	Count of IECVPST entries
17	(11)	BITSTRING	1	URLBFLG3	Flag byte 3 - reserved
18	(12)	BITSTRING	1	URLBFLG4	Flag byte 4 - reserved
19	(13)	BITSTRING	1	URLBFLG5	Flag byte 5 - reserved
20	(14)	CHARACTER	4	*	Reserved
U/R CCWs --- Must be on double word boundary Sense , SNID and RSTA Commands					
24	(18)	CHARACTER	8	*	
24	(18)	CHARACTER	8	URLBSCCW	
U/R - URVL and URSV parameter areas					
32	(20)	CHARACTER	40	*	
32	(20)	CHARACTER	8	URLBURVL	Callers URVL parameter area save area
40	(28)	CHARACTER	32	URLBURSV	URSV Parameter area for recovery action communication
U/R - SRB, IOSB and channel program.					
72	(48)	CHARACTER	200	*	
72	(48)	CHARACTER	44	URLBSRB	SRB
116	(74)	CHARACTER	156	URLBIOSB	IOSB
U/R - Command code read area					
272	(110)	CHARACTER	32	*	
272	(110)	CHARACTER	32	URLBRSTD	
U/R - FRR parmaeter area save areas					
304	(130)	CHARACTER	24	*	
304	(130)	CHARACTER	24	URLBFRRU	Used by IOSVURDT to save the FRR parameter list when calling IOS services. The IOS services will do an FRR replace when they receive control.
U/R - IOS Service Call parameter areas					
328	(148)	CHARACTER	188	*	
328	(148)	CHARACTER	32	URLBRESV	RESV parameter area for IOSRRRSV
360	(168)	CHARACTER	68	URLBRESS	RESS parameter area for IOSRRRSV
428	(1AC)	CHARACTER	76	URLBDBOX	DBOX parameter area for IOSRDBOX
504	(1F8)	CHARACTER	12	URLBSNID	SNID data area
U/R - Register 13 and 14 save areas					
516	(204)	CHARACTER	24	*	
516	(204)	ADDRESS	4	URLBS13A	Register 13 save area
520	(208)	ADDRESS	4	URLBS13B	Register 13 save area
524	(20C)	ADDRESS	4	URLBS14A	Register 14 save area
528	(210)	ADDRESS	4	URLBS14B	Register 14 save area
532	(214)	ADDRESS	4	URLBS14C	Register 14 save area
536	(218)	ADDRESS	4	URLBS14D	Register 14 save area
U/R - 18 word save areas					

Table 538. Structure URLB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
540	(21C)	CHARACTER	288	*	
540	(21C)	CHARACTER	72	URLBSA1	18 word save area #1
612	(264)	CHARACTER	72	URLBSA2	18 word save area #2
684	(2AC)	CHARACTER	72	URLBSA3	18 word save area #3
756	(2F4)	CHARACTER	72	URLBSA4	18 word save area #4
U/R - IOSVURDT module work area					
828	(33C)	CHARACTER	128	URLBWORK	Work area
U/R - IOSVMSLG module work area and message buffer.					
956	(3BC)	CHARACTER	420	URLBMSGW	Work area
U/R - IOS Component Trace Work Area					
1376	(560)	CHARACTER	128	URLBCTWK	Work area
U/R - PIN information area.					
1504	(5E0)	ADDRESS	4	URLBPINR	Return value for pin/unpin subroutines
1508	(5E4)	CHARACTER	72	URLBPINI	UCB pin information area
1508	(5E4)	CHARACTER	58	URLBPTXT	UCB pin text
1566	(61E)	CHARACTER	8	URLBPTOK	UCB pin token
1574	(626)	CHARACTER	5	URLBPCMP	Component ID
1579	(62B)	BITSTRING	1	URLBPFLG	PIN flags
		1...		URLBPIND	UCB is pinned
IOSVURDT Workarea for LSS Active Device Recovery					
1580	(62C)	CHARACTER	20	URLBDSE4	DSE4 Work Area
1600	(640)	CHARACTER	8	URLBDSEPARM	DSE4 Parm Area
1608	(648)	CHARACTER	24	URLBKLAR	Klar Parameter List

Table 539. Constants for URLB

Len	Type	Value	Name	Description
U/R - PIN constan area.				
4	DECIMAL	58	URLBPTLN	Length of pin text

Table 540. Cross Reference for URLB

Name	Offset	Hex Tag
URLB	0	
URLBCHNF	4	
URLBCTWK	560	
URLBDBOX	1AC	
URLBDET	A	40
URLBDEVN	8	
URLBDSEPARM	640	
URLBDSE4	62C	
URLBDTCT	10	
URLBFLGS	A	
URLBFLG1	A	
URLBFLG2	B	

Table 540. Cross Reference for URLB (continued)

Name	Offset	Hex Tag
URLBFLG3	11	
URLBFLG4	12	
URLBFLG5	13	
URLBFRRU	130	
URLBID	0	
URLBIOSB	74	
URLBKLAR	648	
URLBLNTH	E	
URLBMSGW	3BC	
URLBMSLG	B	40
URLBPCMP	626	
URLBPFLG	62B	
URLBPIND	62B	80
URLBPINI	5E4	
URLBPINR	5E0	
URLBPTOK	61E	
URLBPTXT	5E4	
URLBRACW	A	02
URLBRENT	A	80
URLBRESS	168	
URLBRESV	148	
URLBRSTD	110	
URLBSA1	21C	
URLBSA2	264	
URLBSA3	2AC	
URLBSA4	2F4	
URLBSCCW	18	
URLBSNID	1F8	
URLBSRB	48	
URLBSUBP	C	
URLBS13A	204	
URLBS13B	208	
URLBS14A	20C	
URLBS14B	210	
URLBS14C	214	
URLBS14D	218	
URLBURCW	A	01
URLBURDT	B	80
URLBURSV	28	
URLBURS1	B	20
URLBURVL	20	
URLBWORK	33C	

Chapter 148. UXPARMA Information

UXPARMA Programming Interface Information

UXPARMA is a programming interface.

UXPARMA Heading Information

Common Name: Volume ENQ User Exit Communication Area
Macro ID: IEFZB478
DSECT Name: UXPARMA, VOLTABLE
Owning Component: Allocation (SC1B4)
Eye-Catcher ID:
```
UXPARMA
Offset:  0
Length:  7
```
Storage Attributes:
```
Virtual Storage:  YES
Subpool:   230
Key:       1
```
Size:
```
UXPARMA - 52 bytes
VOLTABLE - Variable
```
Created by: IEFAB421
Pointed to by: NONE
Serialization: NONE
Function: Provides data shared by module IEFAB421 and the Volume ENQ user exit routine.

UXPARMA mapping

Table 541. Structure UXPARMA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UXPARMA	User exit parameter list
0	(0)	CHARACTER	7	PARMSAID	Identifier 'UXPARMA' acronym
7	(7)	BITSTRING	1	PARMSAVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	ADDRESS	4	UXVOLPTR	Pointer to the VOLSER table for the user exit
28	(1C)	BITSTRING	1	ACTION	User exit action flag
29	(1D)	CHARACTER	23		Reserved for IBM use

Table 542. Structure VOLTABLE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	VOLTABLE	VOLSER table, pointed to by UXVOLPTR
0	(0)	CHARACTER	2	VOLHEADR(0)	Table header
0	(0)	SIGNED	2	VOLENTRY	Number of entries in the table
2	(2)	CHARACTER	6	VOLSERNO	Array of VOLSER numbers
Possible ACTION values:					

Table 542. Structure VOLTABLE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1...		CANCELJB	"X'80'" Cancel the job
		.1..		ISSUWTOR	"X'40'" Issue a WTOR
		.... 1...		WAITVOLU	"X'08'" Wait for volume(s)
		....		DEFAULTS	"X'00'" Use PARMLIB default
Constants Declaration					
2	(2)	X'1'	0	PAMSAVEC	"1" Version number

Table 543. Cross Reference for UXPARMA

Name	Offset	Hex Tag
ACTION	1C	
CANCELJB	2	80
DEFAULTS	2	0
ISSUWTOR	2	40
JOBNAME	8	
PAMSAVEC	2	1
PARMSAID	0	
PARMSAVE	7	
STEPNAME	10	
UXPARMA	0	
UXVOLPTR	18	
VOLENTRY	0	
VOLHEADR	0	
VOLSERNO	2	
VOLTABLE	0	
WAITVOLU	2	8

Chapter 149. UXPARMB Information

UXPARMB Programming Interface Information

UXPARMB is a programming interface.

UXPARMB Heading Information

Common Name:	Volume Mount User Exit Communication Area
Macro ID:	IEFZB479
DSECT Name:	UXPARMB
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	UXPARMB Offset: 0 Length: 7
Storage Attributes:	Subpool: 230 Key: Key 1 Residency: Any
Size:	108 Bytes
Created by:	IEFAB493
Pointed to by:	Upon entry to the Volume Mount User Exit General Purpose Register 1 points to a Parameter List which points at UXPARMB.
Serialization:	None
Function:	Provides data shared by module IEFAB493 and the Volume Mount user exit routine.

UXPARMB mapping

Table 544. Structure UXPARMB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UXPARMB	User exit parameter list
0	(0)	CHARACTER	7	PARMSBID	Identifier 'UXPARMB' acronym
7	(7)	BITSTRING	1	PARMSBVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	CHARACTER	8	DDNAME	DD name
32	(20)	CHARACTER	44	DSNAME	Data set name
76	(4C)	CHARACTER	6	VOLSER	VOLSER number
82	(52)	CHARACTER	4	DEVNUM	Device number
86	(56)	BITSTRING	1	FLAGS	Tape label flag Only valid if the VOLSER field is blank
87	(57)	BITSTRING	1	ACTION	User exit action flag
88	(58)	BITSTRING	2	CONCATNO	DD concatenation number
90	(5A)	CHARACTER	18		Reserved for IBM use
Possible ACTION values:					
		1...		CANCELJB	"X'80'" Cancel the job
		.1..		ISSUWTOR	"X'40'" Issue a WTOR
		....		DEFAULTS	"X'00'" Use PARMLIB default

Table 544. Structure UXPARMB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
Possible FLAGS values:					
		1...		LABELSL	"X'80'" Standard label
		.1..		LABELAL	"X'40'" ASCI Label
		..1.		LABELNL	"X'20'" No label
		...1		LABELNSL	"X'10'" Non-standard label
Constants Declaration					
90	(5A)	X'3'	0	PAMSBVEC	"3" Version number

Table 545. Cross Reference for UXPARMB

Name	Offset	Hex Tag
ACTION	57	
CANCELJB	5A	80
CONCATNO	58	
DDNAME	18	
DEFAULTS	5A	0
DEVNUM	52	
DSNAME	20	
FLAGS	56	
ISSUWTOR	5A	40
JOBNAME	8	
LABELAL	5A	40
LABELNL	5A	20
LABELNSL	5A	10
LABELSL	5A	80
PAMSBVEC	5A	3
PARMSBID	0	
PARMSBVE	7	
STEPNAME	10	
UXPARMB	0	
VOLSER	4C	

Chapter 150. UXPARMC Information

UXPARMC Programming Interface Information

UXPARMC is a programming interface.

UXPARMC Heading Information

Common Name:	Specific Wait User Exit Communication Area
Macro ID:	IEFZB480
DSECT Name:	UXPARMC
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	UXPARMC Offset: 0 Length: 7
Storage Attributes:	Subpool: 230 Key: Key 1 Residency: Any
Size:	108 Bytes
Created by:	IEFAB487
Pointed to by:	Upon entry to the Specific Wait User Exit General Purpose Register 1 points to a Parameter List that points to UXPARMC
Serialization:	None
Function:	Provides data shared by module IEFAB487 and the Specific Wait user exit routine.

UXPARMC mapping

Table 546. Structure UXPARMC

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UXPARMC	User exit parameter list
0	(0)	CHARACTER	7	PARMSCID	Identifier 'UXPARMC' acronym
7	(7)	BITSTRING	1	PARMSCVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	CHARACTER	8	DDNAME	DD name
32	(20)	CHARACTER	44	DSNAME	Data set name
76	(4C)	CHARACTER	6	VOLSER	VOLSER number
82	(52)	CHARACTER	4	DEVNUM	Device number
86	(56)	BITSTRING	1	FLAGS	Input information flag
87	(57)	BITSTRING	1	ACTION	User exit action flag
88	(58)	BITSTRING	1	WAITNOHC	Current 'WAIT NOHOLD' count
89	(59)	CHARACTER	1		Reserved for IBM use
90	(5A)	BITSTRING	2	CONCATNO	DD concatenation number
92	(5C)	CHARACTER	16		Reserved for IBM use
Possible ACTION values:					
	1...			CANCELJB	"X'80'" Cancel the job
	.1..			ISSUWTOR	"X'40'" Issue a WTOR

Table 546. Structure UXPARMC (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		WAITNHLD	"X'20'" Wait w/o holding resources
		...1		WAITHOLD	"X'10'" Wait holding resources
		....		DEFAULTS	"X'00'" Use PARMLIB default
Possible FLAGS values:					
		11..		DEVNVOL	"X'C0'" Both device and VOLSER are passed to the user exit.
		1...		DEVONLY	"X'80'" Only device is passed to the user exit.
Constants Declaration					
92	(5C)	X'3'	0	PAMSCVEC	"3" Version number

Table 547. Cross Reference for UXPARMC

Name	Offset	Hex Tag
ACTION	57	
CANCELJB	5C	80
CONCATNO	5A	
DDNAME	18	
DEFAULTS	5C	0
DEVNUM	52	
DEVNVOL	5C	C0
DEVONLY	5C	80
DSNAME	20	
FLAGS	56	
ISSUWTOR	5C	40
JOBNAME	8	
PAMSCVEC	5C	3
PARMSCID	0	
PARMSCVE	7	
STEPNAME	10	
UXPARMC	0	
VOLSER	4C	
WAITHOLD	5C	10
WAITNHLD	5C	20
WAITNOHC	58	

Chapter 151. UXPARMD Information

UXPARMD Programming Interface Information

UXPARMD is a programming interface.

UXPARMD Heading Information

Common Name:	Offline Devices User Exit Communication Area
Macro ID:	IEFZB481
DSECT Name:	UXPARMD, UXVOLTBL, UXOFLTBL
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	UXPARMD Offset: 0 Length: 7 Current Version = 4 - required for XWAITNHL Action.
Storage Attributes:	Subpool: 230 Key: Key 1 Residency: Any
Size:	(116 Bytes - UXPARMD) + (2 + 6 * number of volsers - UXVOLTBL) + (4 + 12 * number of devices - UXOFLTBL)
Created by:	IEFAB48A
Pointed to by:	Upon entry to the Allocated/Offline Device Installation Exit General Purpose Register 1 points to a parameter list that points to UXPARMD
Serialization:	None
Function:	Provides data shared by Allocation and the Allocated/Offline Installation Exit Routine.

UXPARMD mapping

Table 548. Structure UXPARMD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UXPARMD	User exit parameter list
0	(0)	CHARACTER	7	PARMSDID	Identifier 'UXPARMD' acronym
7	(7)	BITSTRING	1	PARMSDVE	Version number
8	(8)	CHARACTER	8	JOBNAME	Job name
16	(10)	CHARACTER	8	STEPNAME	Step name
24	(18)	CHARACTER	8	DDNAME	DD name
32	(20)	CHARACTER	44	DSNAME	Data set name
76	(4C)	ADDRESS	4	UXVOLPTR	Pointer to the VOLSER table for the user exit
80	(50)	SIGNED	4	SCRATCH#	Total number of non-specific scratch volumes needed
84	(54)	SIGNED	4	PRIVATE#	Total number of non-specific private volumes needed
88	(58)	ADDRESS	4	UXOFLPTR	Pointer to the offline device table for the user exit
92	(5C)	BITSTRING	1	FLAGS	Allocation option flag

Table 548. Structure UXPARMD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
93	(5D)	BITSTRING	1	ACTION	User exit action flag
94	(5E)	BITSTRING	1	WAITNOHC	Current 'WAIT NOHOLD' count
95	(5F)	BITSTRING	1	UXLBSTAT	Library status
		.... 1...		UXLONLIN	"X'08'" Library is online
		.... .1..		UXLOFFLN	"X'04'" Library is offline
		.... ..1.		UXLPOFFL	"X'02'" Library is pending offline
96	(60)	CHARACTER	8	UXLBNAME	Library name
104	(68)	BITSTRING	2	CONCATNO	DD concatenation number
106	(6A)	BITSTRING	4	UXDVINFO(0)	
106	(6A)	BITSTRING	2		Reserved for IBM use
108	(6C)	BITSTRING	1	UXDEVCL	Device class
		1...		UXTAPE	"X'80'" Tape device
		.1..		UXCOMM	"X'40'" Communications device
		..1.		UXDACC	"X'20'" Direct access device
		...1		UXDISP	"X'10'" Graphics display device
		.... 1...		UXUREC	"X'08'" Unit record device
		.... .1..		UXCHAR	"X'04'" Character reader device
109	(6D)	BITSTRING	1		Reserved for IBM use
110	(6E)	BITSTRING	1	REQTYINF	REQuest TYpe INFo
		1...		UXDYNAMC	"X'80'" This is a Dynamic Allocation Request.
111	(6F)	CHARACTER	5		Reserved for IBM use

Table 549. Structure UXVOLTBL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UXVOLTBL	VOLSER table for the user exit pointed to by UXVOLPTR
0	(0)	CHARACTER	2	UXVHEADR(0)	Table header
0	(0)	SIGNED	2	UXVENTNO	Number of entries in the table
2	(2)	CHARACTER	6	UXVOLSER	Array of VOLSER numbers

Table 550. Structure UXOFLTBL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	UXOFLTBL	Offline device table for the user exit, pointed to by UXOFLPTR
0	(0)	CHARACTER	4	UXOHEADR(0)	Table header
0	(0)	SIGNED	4	UXOENTNO	Number of entries in the table
4	(4)	CHARACTER	12	UXOENTRY(0)	Table entry
4	(4)	CHARACTER	4	UXODEVNO	Offline device number (4-byte)
8	(8)	BITSTRING	1	UXSTATUS	Offline status
		1...		UXONLINE	"X'80'" Bring device online
		.1..		UXEXCLUD	"X'40'" Exclude the device on the WTOR
		...1		UXVCOFFL	"X'10'" Varied offline by the configuration manager
		.... 1...		UXOFFLNE	"X'08'" Varied offline device
		.... .1..		UXNOTACC	"X'04'" Non-accessible device

Table 550. Structure UXOFLTBL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		UXPENDNG	"X'02'" Pending offline device
		1		UXVLOFFL	"X'01'" Varied library offline device
9	(9)	CHARACTER	1		Reserved
10	(A)	CHARACTER	6	UXOVLSER	Pending offline device volser (6-byte)
Valid User Exit ACTION values (returned by exit)					
		1...		CANCELJB	"X'80'" Cancel the job
		.1..		ISSUWTOR	"X'40'" Issue a WTOR
		..1.		WAITNHLD	"X'20'" Wait w/o holding resources
		...1		WAITHOLD	"X'10'" Wait holding resources
		.... 1...		BDONLINE	"X'08'" Bring offline devices online or allocate a device in pending offline status without bringing it online
		.... .1..		XWAITNHL	"X'04'" Directed WAIT/NOHOLD Action. This Action is valid ONLY for Tape Allocations when an Allocated/Offline User Exit is present and the system does not detect anything to Wait for. Informational message IEF019I will be issued when this Action is validly used. Note: care should be used to ensure that some activity will occur to Post Allocation from the Wait resulting from this Action Code. Reference the System Action section of message IEF019I to review these Posting actions.
		....		DEFAULTS	"X'00'" Use PARMLIB default
Possible FLAGS values:					
		1...		OKTOWAIT	"X'80'" OK to wait
		.1..		OKONLINE	"X'40'" OK to bring offline device online or allocate device in pending offline status without bringing it online
		..1.		REPEATCL	"X'20'" Repeated user exit call for the same request
		...1		LBREQIND	"X'10'" Request is a library request
		.... 1...		ALLWTAFH	"X'08'" All waitable device are AFH
Constants Declaration					
10	(A)	X'4'	0	PAMSDVEC	"4" Version number

Table 551. Cross Reference for UXPARMD

Name	Offset	Hex Tag
ACTION	5D	

Table 551. Cross Reference for UXPARMD (continued)

Name	Offset	Hex Tag
ALLWTAFH	A	8
BDONLINE	A	8
CANCELJB	A	80
CONCATNO	68	
DDNAME	18	
DEFAULTS	A	0
DSNAME	20	
FLAGS	5C	
ISSUWTOR	A	40
JOBNAME	8	
LBREQIND	A	10
OKONLINE	A	40
OKTOWAIT	A	80
PAMSDVEC	A	4
PARMSDID	0	
PARMSDVE	7	
PRIVATE#	54	
REPEATCL	A	20
REQTYINF	6E	
SCRATCH#	50	
STEPNAME	10	
UXCHAR	6C	4
UXCOMM	6C	40
UXDACC	6C	20
UXDEVCL	6C	
UXDISP	6C	10
UXDVINFO	6A	
UXDYNAMC	6E	80
UXEXCLUD	8	40
UXLBNAME	60	
UXLBSTAT	5F	
UXLOFFLN	5F	4
UXLONLIN	5F	8
UXLPOFFL	5F	2
UXNOTACC	8	4
UXODEVNO	4	
UXOENTNO	0	
UXOENTRY	4	
UXOFFLNE	8	8
UXOFLPTR	58	
UXOFLTBL	0	
UXOHEADR	0	
UXONLINE	8	80
UXOVLSER	A	
UXPARMD	0	
UXPENDNG	8	2
UXSTATUS	8	
UXTAPE	6C	80
UXUREC	6C	8

Table 551. Cross Reference for UXPARMD (continued)

Name	Offset	Hex Tag
UXVCOFFL	8	10
UXVENTNO	0	
UXVHEADR	0	
UXVLOFFL	8	1
UXVOLPTR	4C	
UXVOLSER	2	
UXVOLTBL	0	
WAITHOLD	A	10
WAITNHLD	A	20
WAITNOHC	5E	
XWAITNHL	A	4

Chapter 152. VAT Information

VAT Heading Information

Common Name: VIRTUAL ADDRESS TABLE
Macro ID: IEFZB611
DSECT Name: VATENTRY
Owning Component: Scheduler Restart (SC1B3)
Eye-Catcher ID: None
Storage Attributes: Subpool: 0
Key: 1
Size: 816 bytes
Created by: IEFXB602
Pointed to by: JSCBVATA in active JSCB
Serialization: None
Function: This control block contains address and ID information on SWA control blocks built during interpretation phase. This data is used to merge information from the job journal during an automatic restart or system restart.

VAT mapping

Table 552. Structure VAT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	816	VAT	VIRTUAL ADDRESS TABLE
0	(0)	ADDRESS	4	VATX	CHAIN PTR. TO VAT EXTENSION
4	(4)	ADDRESS	4	VATBPTR	PTR. TO PREVIOUS EXTENSION
8	(8)	CHARACTER	4	VATSER	SERIALIZATION WORD
8	(8)	ADDRESS	1	VATNO	NO. OF LAST ENTRY USED
9	(9)	BITSTRING	1	VATFLG1	FLAGS
		1...		VATXA	SWA BLOCKS FOR THIS JOB MAY RESIDE ABOVE THE LINE (IF ON)
		.1..		VATSUFX	SUFFIX PRESENT FOR THIS VAT EXTENT
		..1.		VATCELL	VAT BLOCK OBTAINED FROM CELL POOL
		...1 1111		*	RESERVED
10	(A)	CHARACTER	2	*	RESERVED
12	(C)	CHARACTER	14	VATENTRY(56)	VAT ENTRY
12	(C)	SIGNED	4	VATRBN	RELATIVE BLOCK NUMBER
16	(10)	ADDRESS	4	VATOVA	OLD VIRTUAL ADDR FIELD
16	(10)	ADDRESS	3	VATROVA	OLD VIRTUAL ADDRESS
19	(13)	CHARACTER	1	*	UNUSED
20	(14)	ADDRESS	4	VATNVA	NEW VIRTUAL ADDR FIELD
20	(14)	ADDRESS	3	VATRNVA	NEW VIRTUAL ADDRESS
23	(17)	CHARACTER	1	*	UNUSED
24	(18)	CHARACTER	1	VATBLKID	CONTROL BLOCK ID
25	(19)	BITSTRING	1	VATMSW	MERGE SWITCHES
		1...		VATNUPDT	DO NOT UPDATE BLOCK
		.1..		VATDYNAM	ENTRY FOR DYNAMIC BLOCK

Table 552. Structure VAT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		VATLMODE	ON--LOCATE MODE ENTRY
		...1 1111		*	UNUSED
796	(31C)	CHARACTER	20	VATSUFIX	OPTIONAL SUFFIX
796	(31C)	SIGNED	4	VATCPID	VAT CELL POOL ID
800	(320)	SIGNED	4	VATJCLV	JCL LEVEL INDICATOR FROM JCTXJCLV
804	(324)	UNSIGNED	1	VATVERS	SWA LEVEL INDICATOR FROM JCTXVERS
805	(325)	CHARACTER	3	*	UNUSED
808	(328)	CHARACTER	8	VATJDVT	JDVT NAME FROM JCTXJVTN
816	(330)	CHARACTER	0	VATEND	END OF MAPPING

Table 553. Constants for VAT

Len	Type	Value	Name	Description
4	DECIMAL	56	VATMAXSZ	DIMENSION OF VATENTRY ARRAY

Table 554. Cross Reference for VAT

Name	Offset	Hex Tag
VAT	0	
VATBLKID	18	
VATBPTR	4	
VATCELL	9	20
VATCPID	31C	
VATDYNAM	19	40
VATEND	330	
VATENTRY	C	
VATFLG1	9	
VATJCLV	320	
VATJDVT	328	
VATLMODE	19	20
VATMSW	19	
VATNO	8	
VATNUPDT	19	80
VATNVA	14	
VATOVA	10	
VATRBN	C	
VATRNVA	14	
VATROVA	10	
VATSER	8	
VATSUFIX	31C	
VATSUFX	9	40
VATVERS	324	
VATX	0	
VATXA	9	80

Chapter 153. VCB Information

VCB Heading Information

Common Name: VIO Control Block
Macro ID: IHAVCB
DSECT Name: VCB
Owning Component: Real Storage Manager (SC1CR)
Eye-Catcher ID: None
Storage Attributes:
```
Virtual Storage:  yes
Subpool:   USER SPECIFIED.
Key:       0.
Residency: below 16 megabytes in real storage
```
Size: 28 bytes
Created by: User
Pointed to by: Register 1 (input to VIO processing), VCBLINK
Serialization: Local lock
Function: Describes a VIO function to be performed on a VIO window page.

VCB mapping

Table 555. Structure VCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	28	VCB	
0	(0)	ADDRESS	4	VCBLINK	VIRTUAL ADDR OF NEXT VCB IN A CHAINED REQUEST
4	(4)	ADDRESS	4	VCBVSA	VIRTUAL ADDR. OF A PAGE IN THE VIO WINDOW. THE PAGE IS THE SOURCE PAGE FOR A MOVE-OUT OR THE TARGET PAGE FOR AN ASSIGN.
8	(8)	CHARACTER	8	VCBLPID	THE LPID OF THE VIO DATA SET PAGE.
16	(10)	ADDRESS	4	VCBRUARG	VIO REUSE ARGUMENT. RSM RETURNS THIS ADDRESS TO VBP ON A MOVEOUT IF VBP SUPPLIED A RECLAIM IDENTIFIER (DSPID). VBP CAN THEM PASS THE ADDRESS BACK TO RSM ON A SUBSEQUENT ASSIGN FOR THE SAME PAGE TO ATTEMPT RECLAIM (REUSE).
16	(10)	ADDRESS	4	VCBPFTE	TOKEN OF THE PFTE FOR THE REAL STORAGE FRAME LAST OCCUPIED BY THE VIO WINDOW PAGE
16	(10)	ADDRESS	4	VCBESTE	ESTE address. No longer used is ESAME mode, left for compatability.
20	(14)	UNSIGNED	4	VCBDSPID	DATA SET PAGE RECLAIM (REUSE) IDENTIFIER.
24	(18)	BITSTRING	1	VCBOPFLG	OPERATION FLAGS
		1...		VCBMVOUT	WHEN 1, A MOVE-OUT IS REQUESTED.

Table 555. Structure VCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		VCBVF	REQUESTOR IS VIRTUAL FETCH
		..1.		VCBASIGN	WHEN 1, AN ASSIGN IS REQUESTED
		...1		VCBRSV5	RESERVED
		.... 1...		VCBNDISC	REQUESTS THAT THE VIO PAGE SHOULD NOT BE DISCONNECTED FROM ITS WINDOW LOCATION AFTER MOVEOUT OPERATION IS COMPLETE.
		.... .1..		VCBNOLD	IF 1, A PAGE LOAD WILL NOT BE DONE UPON COMPLETION OF THE ASSIGN FUNCTION. VALID ONLY IF VCBASIGN=1.
		.... .1..		VCBLOAD	OLD NAME FOR COMPATIBILITY
		.... ..1.		VCBRSV2	RESERVED
		1		VCBRSV3	RESERVED
25	(19)	BITSTRING	1	VCBCPFLG	COMPLETION FLAGS
		1...		VCBNOVAC	IF VCBASIGN=1 AND THE PGTE FOR VCBVSA IS NOT ZERO, AN ERROR HAS OCCURRED. DISCONNECT MOVEOUT SHOULD HAVE BEEN REQUESTED FOR THE VSA BEFORE ISSUING THE ASSIGN REQUEST.
		.1..		VCBINVSA	VCBVSA DOES NOT CONTAIN A VALID VSA.
		..1.		VCBELPID	ON A MOVEOUT REQUEST, EITHER THE LPID SUPPLIED IN THE VCB DOES NOT MATCH THE LPID IN THE XPTE, OR ASM COULD NOT SUCCESSFULLY START A PAGEOUT OR TRANSFER-PAGE OPERATION FOR THIS PAGE.
		...1		VCBNOAUX	FOR A MOVE-OUT, NO AUX. STORAGE EXISTED OR WAS CREATED AND NO REAL STORAGE EXISTED FROM WHICH TO PAGE-OUT.
		.... 1...		VCBEFIX	MOVE-OUT REQUESTED FOR A FIXED OR BAD PAGE.
		.... .1..		*	RESERVED
		.... ..1.		*	RESERVED
		1		*	RESERVED
26	(1A)	UNSIGNED	2	VCBRSV4	RESERVED
28	(1C)	CHARACTER	0	VCBEND	END OF VCB

Table 556. Cross Reference for VCB

Name	Offset	Hex Tag
VCB	0	
VCBASIGN	18	20
VCBCPFLG	19	
VCBDSPID	14	
VCBEFIX	19	08
VCBELPID	19	20
VCBEND	1C	
VCBESTE	10	
VCBINVSA	19	40

Table 556. Cross Reference for VCB (continued)

Name	Offset	Hex Tag
VCBLINK	0	
VCBLOAD	18	04
VCBLPID	8	
VCBMVOUT	18	80
VCBNDISC	18	08
VCBNOAUX	19	10
VCBNOLD	18	04
VCBNOVAC	19	80
VCBOPFLG	18	
VCBPFTE	10	
VCBRSV2	18	02
VCBRSV3	18	01
VCBRSV4	1A	
VCBRSV5	18	10
VCBRUARG	10	
VCBVF	18	40
VCBVSA	4	

Chapter 154. VFCB Information

VFCB Heading Information

Common Name: Virtual Fetch Control Block
Macro ID: IHAVFCB
DSECT Name: VFCB
Owning Component: Contents Supervisor (SC1CJ)
Eye-Catcher ID: VFCB
Offset: 0
Length: 4
Storage Attributes: Subpool: 241
Key: 0
Size: 32 bytes
Created by: CSVVFCRE
Pointed to by: CVTVFCB
Serialization: Compare and Swap
Function: Contains information concerning status of Virtual Fetch, the address of the Virtual Fetch hash table and the Virtual Fetch ECB.

VFCB mapping

Table 557. Structure VFCB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	44	VFCB	Virtual Fetch Control Block
0	(0)	CHARACTER	4	VFCBID	Control block ID ("VFCB")
4	(4)	ADDRESS	4	VFCBASCB	Address of Virtual Fetch address space ASCB
8	(8)	CHARACTER	8	VFCBRESH	Refresh number of this Virtual Fetch in TIMER units
8	(8)	SIGNED	4	VFCBRSH1	First half of refresh value
12	(C)	SIGNED	4	VFCBRSH2	Second half of refresh value
16	(10)	ADDRESS	4	VFCBHSHP	Address of hash table
20	(14)	UNSIGNED	4	VFCBHSHV	Hash algorithm divisor
24	(18)	SIGNED	4	VFCBECB	Refresh ECB
28	(1C)	UNSIGNED	1	VFCBLVEL	Level number of this VFCB (currently level=0)
29	(1D)	UNSIGNED	1	VFCBFLAG	Flag byte
		1...		VFCBUILT	Virtual Fetch has been built and is fully operational. (turned on after the VFCB is set up, and just before entering WAIT processing. It is initially off, and will be turned off before updating the VFCB, and whenever the ESTAE is entered).
		.1..		VFCBRES2	Reserved flag
		..1.		VFCBRES3	Reserved flag
		...1		VFCBRES4	Reserved flag
		.... 1...		VFCBRES5	Reserved flag
		.... .1..		VFCBRES6	Reserved flag

Table 557. Structure VFCB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		VFCBRES7	Reserved flag
		1		VFCBRES8	Reserved flag
30	(1E)	CHARACTER	2	VFCBRES9	Reserved half word
32	(20)	SIGNED	4	VFCBCSWD	Word for compare and swap. Used to serialize CSVVFTCH with the REFRESH function of CSVVFCRE.
32	(20)	UNSIGNED	1	VFCBRSCH	Refresh in progress flag field
		1...		VFCBRINP	Refresh in progress flag
		.111 1111		VFCBRV09	Reserved
33	(21)	BITSTRING	1	VFCBRV10	Reserved
34	(22)	SIGNED	2	VFCBGETS	Number of GET requests active.
36	(24)	SIGNED	4	VFCBGECB	ECB to be posted by GET process when refresh is in progress and GET count has just been decremented to zero
40	(28)	UNSIGNED	4	VFCBRSEQ	Refresh sequence number. It is incremented when refresh process begins and VFCBGETS=0. It is used to prevent an incorrect POST from GET process.

Table 558. Constants for VFCB

Len	Type	Value	Name	Description
4	DECIMAL	44	VFCBLEN	Length of the VFCB

Table 559. Cross Reference for VFCB

Name	Offset	Hex Tag
VFCB	0	
VFCBASCB	4	
VFCBCSWD	20	
VFCBECB	18	
VFCBFLAG	1D	
VFCBGECB	24	
VFCBGETS	22	
VFCBHSHP	10	
VFCBHSHV	14	
VFCBID	0	
VFCBLVEL	1C	
VFCBRESH	8	
VFCBRES2	1D	40
VFCBRES3	1D	20
VFCBRES4	1D	10
VFCBRES5	1D	08
VFCBRES6	1D	04
VFCBRES7	1D	02
VFCBRES8	1D	01
VFCBRES9	1E	
VFCBRINP	20	80
VFCBRSCH	20	

Table 559. Cross Reference for VFCB (continued)

Name	Offset	Hex Tag
VFCBRSEQ	28	
VFCBRSH1	8	
VFCBRSH2	C	
VFCBRV09	20	7F
VFCBRV10	21	
VFCBUILT	1D	80

Chapter 155. VFDE Information

VFDE Heading Information

Common Name:	Virtual Fetch Control Block
Macro ID:	IHAVFDE
DSECT Name:	VFHE
Owning Component:	Contents Supervisor (SC1CJ)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 230 Key: 0 Residency: Above 16M
Size:	64 bytes
Created by:	CSVVFCRE
Pointed to by:	VFCBHSHP plus calculated index into Virtual Fetch hash table.
Serialization:	VFCBUILT flag and the LOCAL lock.
Function:	Contains information concerning a module residing in Virtual Fetch's VIO data set.

VFDE mapping

Table 560. Structure VFHE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	64	VFHE	Virtual Fetch Directory Entry
0	(0)	ADDRESS	4	VFHESYN	Address of synonym
4	(4)	CHARACTER	40	VFDE	Directory entry information needed to obtain the module from the VIO data set
4	(4)	CHARACTER	8	VFDENAME	Entry point name
4	(4)	CHARACTER	4	VFDENM1	First half of name
8	(8)	CHARACTER	4	VFDENM2	Second half of name
12	(C)	CHARACTER	32	VFDESCH	Start of data moved to caller by CSVVFSCH
12	(C)	CHARACTER	8	VFDELPID	Logical Page Identifier - LPID
12	(C)	UNSIGNED	4	VFDELGN	Logical Group Number
16	(10)	UNSIGNED	4	VFDERPN	Relative Page Number
20	(14)	UNSIGNED	4	VFDEMODL	Reformatted Module size
24	(18)	UNSIGNED	4	VFDEEPA	Entry Point offset
		1...		VFDEAM31	31 bit AMODE indicator
		.111 1111		VFDEZR03	Always zero
25	(19)	ADDRESS	3	VFDEEPA1	EP offset
28	(1C)	UNSIGNED	4	VFDERLDP	Relocation information offset within module
32	(20)	UNSIGNED	4	VFDEFLGS	Flags word
32	(20)	CHARACTER	1	VFDEFLG1	1st flag byte
		1...		VFDERENT	Module was link edited as reentrant
		.1..		VFDEREUS	Module was link edited as reusable
		..1.		VFDEALIS	This is an alias entry

Table 560. Structure VFHE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		VFDEINFO	INFODATA format DE
		.... 1...		VFDEAPFL	Module comes from an APF library
		.... .1..		VFDEF1R5	Reserved
		.... ..1.		VFDEANYM	AMODE=any indicator (control will be passed in the AMODE of the caller).
		1		VFDERMOD	RMODE of this module
33	(21)	CHARACTER	3	VFDERES4	Reserved
36	(24)	CHARACTER	8	VFDERESH	The refresh value for this Virtual Fetch VIO data set in TIMER units
36	(24)	UNSIGNED	4	VFDERSH1	First half of TIMER value for refresh
40	(28)	UNSIGNED	4	VFDERSH2	Second half of TIMER value for refresh
44	(2C)	CHARACTER	18	VFHERES1	Reserved
62	(3E)	BITSTRING	1	VFHEFLG2	Flag byte
		1...		VFHEBDDE	Virtual Fetch has found a discrepancy betwwen the given length and the calc length of the DE
		.111 1111		VFHERES2	Reserved
63	(3F)	UNSIGNED	1	VFHELIBN	Zero-origin library number of original library of the module

Table 561. Cross Reference for VFDE

Name	Offset	Hex Tag
VFDE	4	
VFDEALIS	20	20
VFDEAM31	18	80
VFDEANYM	20	02
VFDEAPFL	20	08
VFDEEPA	18	
VFDEEPA1	19	
VFDEFLGS	20	
VFDEFLG1	20	
VFDEF1R5	20	04
VFDEINFO	20	10
VFDELGN	C	
VFDELPID	C	
VFDEMODL	14	
VFDENAME	4	
VFDENM1	4	
VFDENM2	8	
VFDERENT	20	80
VFDERESH	24	
VFDERES4	21	
VFDEREUS	20	40
VFDERLDP	1C	
VFDERMOD	20	01

Table 561. Cross Reference for VFDE (continued)

Name	Offset	Hex Tag
VFDERPN	10	
VFDERSH1	24	
VFDERSH2	28	
VFDESCH	C	
VFDEZR03	18	7F
VFHE	0	
VFHEBDDE	3E	80
VFHEFLG2	3E	
VFHELIBN	3F	
VFHERES1	2C	
VFHERES2	3E	7F
VFHESYN	0	

Chapter 156. VFPM Information

VFPM Programming Interface Information

VFPM is a programming interface.

VFPM Heading Information

Common Name:	Virtual Fetch Parameter List
Macro ID:	IHAVFPM
DSECT Name:	VFPM
Owning Component:	Contents Supervisor (SC1CJ)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: User subpool Key: User key
Size:	88 bytes
Created by:	Caller of Virtual Fetch
Pointed to by:	N/A
Serialization:	None
Function:	Describes a Virtual Fetch function to be performed

VFPM mapping

Table 562. Structure VFPM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	VFPM	VIRTUAL FETCH PARAMETER LIST
0	(0)	CHARACTER	72	VFPMSAVE	REGISTER SAVE AREA TO BE PASSED TO THE CALLED PROGRAM
72	(48)	SIGNED	4	VFPMREG1	CONTENTS OF REGISTER 1 TO BE PASSED TO CALLED PROGRAM
76	(4C)	CHARACTER	8	VFPMNAME(0)	NAME OF CALLED PROGRAM
76	(4C)	CHARACTER	4	VFPMNAML	FIRST FOUR CHARS OF NAME
80	(50)	CHARACTER	4	VFPMNAMR	LAST FOUR CHARS OF NAME
84	(54)	BITSTRING	1	VFPMLVL	LEVEL OF PARAMTER LIST
85	(55)	BITSTRING	1	VFPMFUNC	FUNCTION TO PERFORM
85	(55)	X'1'	0	VFPMBLD	"1" BUILD REQUEST INDICATOR
85	(55)	X'2'	0	VFPMFIND	"2" FIND REQUEST INDICATOR
85	(55)	X'3'	0	VFPMGET	"3" GET REQUEST INDICATOR
86	(56)	BITSTRING	1	VFPMFLAG	FLAG BYTE
		1...		VFPMGETM	"X'80'" FRESH MODULE STORAGE IS TO BE GETMAINED AND FREEMAINED ON EACH INVOCATION. IF OFF, MODULE STORAGE WILL BE PGRLSED INSTEAD OF FREEMAINED, AND FURTHER UNNEEDED GETMAINS WILL NOT BE ISSUED.
		.1..		VFPMRES1	"X'40'" RESERVED
		..1.		VFPMRES2	"X'20'" RESERVED
		...1		VFPMRES3	"X'10'" RESERVED
		.... 1...		VFPMRES4	"X'08'" RESERVED

Table 562. Structure VFPM (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		VFPMRES5	"X'04'" RESERVED
		.... ..1.		VFPMRES6	"X'02'" RESERVED
		1		VFPMRES7	"X'01'" RESERVED
87	(57)	BITSTRING	1	VFPMRTN	RETURN FLAGS SET BY THE GET FUNCTION. IF ALL FLAGS ARE ZERO, THE REQUESTED MODULE WAS EXECUTED AND REGISTER 15 CONTAINS THE VALUE RETURNED BY THE PROGRAM. OTHERWISE THE ONE FLAG SET ON INDICATES WHAT TYPE OF ERROR OCCURRED.
		1...		VFPMBUSY	"X'80'" THE MODULE WAS FOUND BUT WAS IN USE, AND IS THEREFORE UNAVAILABLE. THE MODULE WAS NOT GIVEN CONTROL. RETRY BY INVOKING THE FIND FUNCTION.
		.1..		VFPMRESH	"X'40'" GET WAS UNABLE TO OBTAIN THE REQUESTED MODULE. THE MODULE WAS NOT GIVEN CONTROL. RETRY BY INVOKING THE FIND FUNCTION.
		..1.		VFPMAPF	"X'20'" AN ATTEMPT WAS MADE BY AN AUTHORIZED CALLER TO INVOKE A MODULE FROM A NON-APF LIBRARY. THE MODULE WAS NOT GIVEN CONTROL. RETRY OF VIRTUAL FETCH SHOULD NOT BE ATTEMPTED.
		...1		VFPMBADP	"X'10'" INVALID PARAMETERS WERE RECEIVED BY GET. THE MODULE WAS NOT GIVEN CONTROL. RETRY BY INVOKING GET WITH A VALID PARAMETER LIST.
		.... 1...		VFPMBADE	"X'08'" AN ENVIRONMENTAL ERROR OCCURRED (GETMAIN FAILED, ESTAE FAILED ETC.). THE MODULE WAS NOT GIVEN CONTROL. RETRY BY CLEANING UP AND INVOKING THE FIND FUNCTION.
		.... .1..		VFPMAPPL	"X'04'" THE REQUESTED PROGRAM ABENDED. THIS FLAG SHOULD BE CHECKED WHENEVER THE CALLERS ESTAE GAINS CONTROL. RETRY BY INVOKING THE FIND FUNCTION.
		.... ..1.		VFPMRTN6	"X'02'" RESERVED
		1		VFPMRTN7	"X'01'" RESERVED
87	(57)	X'58'	0	VFPMLEN	"*-VFPM" LENGTH OF PARMATER LIST
87	(57)	X'0'	0	VFPMFRST	"VFPM" FIRST BYTE OF THE PARAMTER LIST
87	(57)	X'57'	0	VFPMLAST	"*-1" LAST BYTE OF THE PARAMTER LIST

Table 563. Cross Reference for VFPM

Name	Offset	Hex Tag
VFPM	0	
VFPMAPF	57	20

Table 563. Cross Reference for VFPM (continued)

Name	Offset	Hex Tag
VFPMAPPL	57	4
VFPMBADE	57	8
VFPMBADP	57	10
VFPMBLD	55	1
VFPMBUSY	57	80
VFPMFIND	55	2
VFPMFLAG	56	
VFPMFRST	57	0
VFPMFUNC	55	
VFPMGET	55	3
VFPMGETM	56	80
VFPMLAST	57	57
VFPMLEN	57	58
VFPMLVL	54	
VFPMNAME	4C	
VFPMNAML	4C	
VFPMNAMR	50	
VFPMREG1	48	
VFPMRESH	57	40
VFPMRES1	56	40
VFPMRES2	56	20
VFPMRES3	56	10
VFPMRES4	56	8
VFPMRES5	56	4
VFPMRES6	56	2
VFPMRES7	56	1
VFPMRTN	57	
VFPMRTN6	57	2
VFPMRTN7	57	1
VFPMSAVE	0	

Chapter 157. VFVT Information

VFVT Heading Information

Common Name:	Virtual Fetch Vector Table
Macro ID:	IHAVFVT
DSECT Name:	VFVT
Owning Component:	Contents Supervisor (SC1CJ)
Eye-Catcher ID:	VFVT Offset: 0 Length: 4
Storage Attributes:	Subpool: 245 Key: 0
Size:	144 bytes
Created by:	CSVVFNDE
Pointed to by:	ASXBVFVT
Serialization:	The fields VFVTACNT and VFVTHASH are serialized by the LOCAL lock.
Function:	Contains information concerning status of Virtual Fetch in a given user's address space, and the hashed directory of modules to be managed by Virtual Fetch for this address space.

VFVT mapping

Table 564. Structure VFVT

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	144	VFVT	Virtual Fetch Vector Table
0	(0)	CHARACTER	4	VFVTID	Control block ID ("VFVT")
4	(4)	SIGNED	4	VFVTTCB	Address of the Job Step TCB on whose behalf Virtual Fetch built VFWKs
8	(8)	BITSTRING	2	VFVTFLAG	Flag fields
8	(8)	BITSTRING	1	VFVTFLG1	Reserved
		1...		VFVTVFUP	Indicates whether this address space's VFWKs are still usable NOTE: this field is set to OFF whenever CSVVFNDE or CSVVFGTE's recovery routines are running and set back ON if the error is not fatal to Virtual Fetch
		.1..		VFVTF1R2	Reserved
		..1.		VFVTF1R3	Reserved
		...1		VFVTF1R4	Reserved
		.... 1...		VFVTF1R5	Reserved
		.... .1..		VFVTF1R6	Reserved
		.... ..1.		VFVTF1R7	Reserved
		1		VFVTF1R8	Reserved
9	(9)	BITSTRING	1	VFVTRSRD	Reserved

Table 564. Structure VFVT (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
10	(A)	SIGNED	2	VFVTACNT	Number of user ABENDs for which clean up has not yet been performed. Serialized by the LOCAL lock.
12	(C)	BITSTRING	4	VFVTLHSH	Hash constant for local VFWK hash table
16	(10)	ADDRESS	4	VFVTHASH(32)	Pointer to the local VFWK hash table. Serialized by the LOCAL lock.

Table 565. Constants for VFVT

Len	Type	Value	Name	Description
4	DECIMAL	144	VFVTLEN	Length of the VFVT
4	CHARACTER	VFVT	NVFVTID	VFVT's identifier
4	DECIMAL	254	NVFVT254	Subpool VFVT resides in

Table 566. Cross Reference for VFVT

Name	Offset	Hex Tag
VFVT	0	
VFVTACNT	A	
VFVTFLAG	8	
VFVTFLG1	8	
VFVTF1R2	8	40
VFVTF1R3	8	20
VFVTF1R4	8	10
VFVTF1R5	8	08
VFVTF1R6	8	04
VFVTF1R7	8	02
VFVTF1R8	8	01
VFVTHASH	10	
VFVTID	0	
VFVTLHSH	C	
VFVTRSRD	9	
VFVTTCB	4	
VFVTVFUP	8	80

Chapter 158. VFWK Information

VFWK Heading Information

Common Name:	Virtual Fetch Work Area
Macro ID:	IHAVFK
DSECT Name:	VFK
Owning Component:	Contents Supervisor (SC1CJ)
Eye-Catcher ID:	VFK Offset: 0 Length: 4
Storage Attributes:	Subpool: 254 Key: 0
Size:	112 bytes
Created by:	CSVVFNDE
Pointed to by:	VFVTHASH plus calculated index into the hash table in the VFVT.
Serialization:	Local Lock
Function:	Contains information concerning a particular module being managed by Virtual Fetch for a particular user, and includes a CDE for that module.

VFWK mapping

Table 567. Structure VFWK

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	112	VFWK	Virtual Fetch Work Area
0	(0)	CHARACTER	4	VFWKID	Control block ID ("VFWK")
4	(4)	ADDRESS	4	VFWKSYNP	Address of next VFWK on the synonym chain
8	(8)	CHARACTER	40	VFWKDE	Virtual Fetch Directory Entry (VFDE) format data obtained from the Virtual Fetch service address space by routine CSVVFSCH
8	(8)	CHARACTER	8	VFWKNAME	Entry point name (not set by CSVVFSCH)
8	(8)	CHARACTER	4	VFWKNAML	Left four chars of name
12	(C)	CHARACTER	4	VFWKNAMR	Right four chars of name
16	(10)	CHARACTER	8	VFWKLPID	Logical Page Identifier - LPID
16	(10)	UNSIGNED	4	VFWKLGN	Logical Group Number
20	(14)	UNSIGNED	4	VFWKRPN	1st relative Page Number
24	(18)	UNSIGNED	4	VFWKMODL	Size of reformatted module
28	(1C)	UNSIGNED	4	VFWKEPA	Offset of entry point
		1...		VFWKAM31	31-bit AMODE indicator
		.111 1111		VFWKZR03	Padding- must be 0
29	(1D)	ADDRESS	3	VFWKEPA1	Offset of entry point
32	(20)	UNSIGNED	4	VFWKRLDP	Offset of relocation data
36	(24)	UNSIGNED	1	VFWKDEF1	Flag byte for VFDE
		1...		VFWKRENT	Module is reentrant
		.1..		VFWKREUS	Module is serially reusable

Table 567. Structure VFWK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		VFWKDFL3	Reserved flag
		...1		VFWKDFL4	Reserved flag
		.... 1...		VFWKAPFL	Module comes from authorized library
		.... .1..		VFWKDFL6	Reserved flag
		.... ..1.		VFWKANYM	AMODE=any indicator (control will be passed in the AMODE of the caller).
		1		VFWKRMOD	RMODE of this module
37	(25)	CHARACTER	3	VFWKDRS1	Reserved field
40	(28)	CHARACTER	8	VFWKRESH	the refresh value for this Virtual Fetch VIO data set in TIMER units
40	(28)	UNSIGNED	4	VFWKRSH1	First half of TIMER value for refresh
44	(2C)	UNSIGNED	4	VFWKRSH2	Second half of TIMER value for refresh
48	(30)	CHARACTER	32	VFWKCDE	CDE for Module
80	(50)	CHARACTER	16	VFWKXLST	Extent list for Module
96	(60)	ADDRESS	4	VFWKVSA	Address of module storage area in address space of user (set after GETMAIN, and zeroed before FREEMAIN)
100	(64)	ADDRESS	4	VFWKVCB	Address of start of VCBs area (set after GETMAIN, and zeroed before FREEMAIN)
104	(68)	SIGNED	2	VFWKNPGS	Number of pages required for the module area
106	(6A)	UNSIGNED	1	VFWKFLG1	First Flag Byte for VFWK
		1...		VFWKGMND	Storage for the module and VCBs exists
		.1..		VFWKF1R2	Reserved flag
		..1.		VFWKF1R3	Reserved flag
		...1		VFWKF1R4	Reserved flag
		.... 1...		VFWKF1R5	Reserved flag
		.... .1..		VFWKF1R6	Reserved flag
		.... ..1.		VFWKF1R7	Reserved flag
		1		VFWKF1R8	Reserved flag
107	(6B)	UNSIGNED	1	VFWKFLG2	Second Flag Byte for VFWK
		1...		VFWKBADM	Indicates that this module cannot be retrieved from this generation of the Virtual Fetch VIO dataset
		.1..		VFWKBADV	Indicates this VFWK is unusable because its associated CDE cannot be removed from the Job Pack Queue(JPQ) or its associated module storage cannot be FREEMAINed
		..1.		VFWKNFXM	The current generation of virtual fetch does not have directory information (VFDE) about this module

Table 567. Structure VFWK (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		VFWKABND	The last time this module was invoked by virtual fetch the module suffered a user abend. The VFWKTCB field points to the current owner of this VFWK and its associated resources.
		.... 1...		VFWKF2R5	Reserved flag
		.... .1..		VFWKF2R6	Reserved flag
		.... ..1.		VFWKF2R7	Reserved flag
		1		VFWKF2R8	Reserved flag
108	(6C)	SIGNED	4	VFWKTCB	Address of the TCB of the caller who currently owns this VFWK

Table 568. Constants for VFWK

Len	Type	Value	Name	Description
4	DECIMAL	112	VFWKLEN	Length of the VFWK
4	CHARACTER	VFWK	NVFWKID	VFWK identifier
4	DECIMAL	254	NVFWK254	Subpool the VFWK resides in

Table 569. Cross Reference for VFWK

Name	Offset	Hex Tag
VFWK	0	
VFWKABND	6B	10
VFWKAM31	1C	80
VFWKANYM	24	02
VFWKAPFL	24	08
VFWKBADM	6B	80
VFWKBADV	6B	40
VFWKCDE	30	
VFWKDE	8	
VFWKDEF1	24	
VFWKDFL3	24	20
VFWKDFL4	24	10
VFWKDFL6	24	04
VFWKDRS1	25	
VFWKEPA	1C	
VFWKEPA1	1D	
VFWKFLG1	6A	
VFWKFLG2	6B	
VFWKF1R2	6A	40
VFWKF1R3	6A	20
VFWKF1R4	6A	10
VFWKF1R5	6A	08
VFWKF1R6	6A	04
VFWKF1R7	6A	02
VFWKF1R8	6A	01
VFWKF2R5	6B	08
VFWKF2R6	6B	04

Table 569. Cross Reference for VFWK (continued)

Name	Offset	Hex Tag
VFWKF2R7	6B	02
VFWKF2R8	6B	01
VFWKGMND	6A	80
VFWKID	0	
VFWKLGN	10	
VFWKLPID	10	
VFWKMODL	18	
VFWKNAME	8	
VFWKNAML	8	
VFWKNAMR	C	
VFWKNFXM	6B	20
VFWKNPGS	68	
VFWKRENT	24	80
VFWKRESH	28	
VFWKREUS	24	40
VFWKRLDP	20	
VFWKRMOD	24	01
VFWKRPN	14	
VFWKRSH1	28	
VFWKRSH2	2C	
VFWKSYNP	4	
VFWKTCB	6C	
VFWKVCB	64	
VFWKVSA	60	
VFWKXLST	50	
VFWKZR03	1C	7F

Chapter 159. VRAMAP Information

VRAMAP Programming Interface Information

VRAMAP is a programming interface.

VRAMAP Heading Information

Common Name:	Variable Recording Area
Macro ID:	IHAVRA
DSECT Name:	VRAMAP
Owning Component:	RTM (SCRTM)
Eye-Catcher ID:	NONE
Storage Attributes:	Subpool: Same as containing structure Key: Same as containing structure
Size:	Variable (255 byte max.)
Created by:	The SDWA is created by RTM. Recovery routines can create formatted data within the SDWAVRA field.
Pointed to by:	N/A
Serialization:	Same as containing structure
Function:	Maps the SDWA Variable Recording Area (SDWAVRA) or a component-maintained area in a key, length, data format, to speed up error analysis. Also provides constants for SDWA data and for ABDUMP symptom data.

VRAMAP mapping

Table 570. Structure VRAMAP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	VRAMAP	
0	(0)	SIGNED	2	VRAKL(0)	USE THIS LABEL TO OBTAIN THE LENGTH OF THE NEXT TWO FIELDS.
0	(0)	SIGNED	1	VRAKEY	KEY TO IDENTIFY THE DATA THAT FOLLOWS. THE POSSIBLE VALUES FOR THIS FIELD ARE GIVEN AS CONSTANTS THAT FOLLOW THE VRAMAP DECLARE.
1	(1)	SIGNED	1	VRALEN	LENGTH OF THE DATA THAT FOLLOWS. THE CONSTANTS FOR VRAKEY INDICATE SOME RECOMMENDED LENGTHS.
2	(2)	SIGNED	1	VRADAT(0)	VARIABLE LENGTH DATA. THIS DATA IS FOLLOWED BY ADDITIONAL KEY, LENGTH, AND DATA FIELDS UNTIL ALL USER DATA IS SUPPLIED.
2	(2)	X'2'	0	VRALENKL	"VRADAT-VRAKL" LENGTH OF THE VRAKL FIELD (VRAKEY AND VRALEN), FOR USE IN UPDATING THE POINTER TO THE NEXT FIELD IN THE RECORDING AREA.

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		THE FOLLOWING CONSTANTS GIVE THE VALUES THAT ARE SUPPORTED FOR VRAKEY FIELDS. THE MEANINGS OF KEYS 200 ('C8'X) TO 239 ('EF'X) MAY BE ASSIGNED BY EACH RECOVERY ROUTINE. THE MEANINGS OF THE OTHER KEYS ARE ASSIGNED BY THE OWNER OF THE IHAVRA MACRO. KEYS CAN BE REPEATED IN A VARIABLE RECORDING AREA IN ORDER TO SUPPLY SEVERAL FOOTPRINT AREAS, ETC. HOWEVER, FOR DUMP ANALYSIS AND ELIMINATION, ONLY THE FIRST OCCURRENCE OF A KEY WILL BE USED. THE SDWACID, SDWASC, SDWAMLVL, SDWACRC, AND SDWARRL FIELDS SHOULD BE USED INSTEAD OF THE VRACOM, VRASC, VRALVL, VRARC, AND VRARRL KEYS FOR OS/VS2 JBB1226 AND HIGHER LEVEL MODULES.			
2	(2) X'1'		0	VRACOM	"1" THE VRADAT DATA IS THE 5-BYTE EBCDIC COMPONENT ID (SUCH AS SC1CR). USE THE SDWACID FIELD INSTEAD OF THIS KEY. SEE THE ABOVE NOTE.
2	(2) X'2'		0	VRASC	"2" THE DATA IS EBCDIC TEXT TO IDENTIFY THE SUBCOMPONENT OR SUBFUNCTION THAT FAILED (SUCH AS RSM-PGFIX), IF NOT IN SDWASC
2	(2) X'3'		0	VRALVL	"3" THE DATA IS THE EBCDIC LEVEL FOR THE FAILING MODULE, IN COMPILEDATEBBPTF--OR SU OR PRODUCT NUMBER--FORMAT (SUCH AS 78.256 UZ86400), AS PRODUCED BY THE PLS ID MACRO ON A PLS PROC STATEMENT OR BY THE MODID MACRO, IF NOT IN SDWAMLVL
2	(2) X'4'		0	VRADT	"4" THE DATA IS THE EBCDIC ASSEMBLY DATE FOR THE FAILING MODULE, IN YY.DDD OR MM/DD/YY FORMAT, IF NOT SUPPLIED VIA VRALVL OR SDWAMLVL
2	(2) X'5'		0	VRAPTF	"5" THE DATA IS THE 7-BYTE EBCDIC PTF, SU, OR PRODUCT NUMBER FOR THE FAILING MODULE, (SUCH AS UZ86400), IF NOT SUPPLIED VIA SDWAMLVL
2	(2) X'6'		0	VRARC	"6" THE DATA IS A HEXADECIMAL RETURN OR REASON CODE OR OTHER CODE FOR THE FAILURE. (IF NOT IN SDWACRC, SUPPLY THIS EVEN IF GIVEN IN REGISTER 15.)
2	(2) X'7'		0	VRAQVOD	"7" THE DATA IS THE REGISTER 15 AND ERROR PORTIONS OF THE QUEUE VERIFIER OUTPUT DATA, AS MAPPED BY THE IHAQVOD MACRO

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'8'	0	VRAQERR	"8" THIS KEY INDICATES A QUEUE ERROR FOR THE CONTROL BLOCK (C.B.) KEY OR GROUP OF KEYS THAT FOLLOW. THE DATA IS AN OPTIONAL 2 BYTE REASON CODE FOR THE QUEUE ERROR, OPTIONALLY FOLLOWED BY A 2 BYTE OFFSET OF THE FIELD IN ERROR, OPTIONALLY FOLLOWED BY A 1 BYTE POSITION OF A BIT IN ERROR. REASON CODES 225 TO 512 ARE ASSIGNED BY THE OWNER OF THIS MACRO. 240 = ZERO ADDRESS, 241 = POINTS TO C.B. WITH INVALID ID, 250 = OTHER TYPE OF BAD ADDRESS, 251 = BIT SETTING IN ERROR, 252 = INVALID C.B. ID, 254 = C.B. MARKED INVALID, 255 = OVERLAP DETECTED IN C.B., 256 = STORAGE CHECK IN C.B., 267 = FIELD VALUE IS NOT A PROPER MULTIPLE, 268 = VALUE IS NOT ON PROPER BOUNDARY, 270 = OTHER UNSUPPORTED VALUE, 271 = OTHER BAD DATA.
2	(2)	X'9'	0	VRALVLS	"9" THE DATA IS THE EBCDIC SYSTEM RELEASE OR PROGRAM PRODUCT/COMPONENT LEVEL THAT THE PROBLEM OCCURS ON (THE RECOMMENDED LENGTH IS 3 BYTES.)
2	(2)	X'10'	0	VRARRP	"16" ('10'X) THE DATA IS THE HEXADECIMAL RECOVERY ROUTINE PARAMETER LIST, WITH 24 BYTE MAXIMUM LENGTH IF FRR
2	(2)	X'11'	0	VRACBM	"17" ('11'X) THE DATA IS THE MAPPING MACRO NAME FOR THE CONTROL BLOCK IN THE NEXT DATA FIELD (SUCH AS IKJTCB)
2	(2)	X'12'	0	VRACB	"18" ('12'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A CONTROL BLOCK OR A PORTION OF A CONTROL BLOCK.
2	(2)	X'13'	0	VRACBF	"19" ('13'X) THE DATA IS THE NAME OF A CONTROL BLOCK FIELD. IT IS PRECEDED BY THE MAPPING MACRO NAME (SEE VRACBM) AND IT IS FOLLOWED BY THE VRACB KEY AND DATA, WHICH CAN BE A SINGLE CONTROL BLOCK FIELD OR A SECTION OF A CONTROL BLOCK, STARTING WITH THIS FIELD.
2	(2)	X'14'	0	VRACBA	"20" ('14'X) THE DATA IS THE 4 BYTE ADDRESS OF A CONTROL BLOCK (WHICH MAY BE IDENTIFIED BY VRACBM DATA), OPTIONALLY FOLLOWED BY THE 2 BYTE ASID FOR THE CONTROL BLOCK

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'15'	0	VRACBO	"21" ('15'X) THE DATA IS THE OFFSET OF A CONTROL BLOCK FIELD. IT IS PRECEDED BY THE MAPPING MACRO NAME (SEE VRACBM) AND IT IS FOLLOWED BY THE VRACB KEY AND DATA, WHICH CAN BE A SINGLE FIELD OR A SECTION OF A CONTROL BLOCK, STARTING AT THIS OFFSET. (THE VRACBO KEY IS USEFUL IF THE VRACBF DATA TAKES UP TOO MUCH VRA SPACE.)
2	(2)	X'16'	0	VRACBL	"22" ('16'X) THE DATA IS THE LENGTH OF THE CONTROL BLOCK THAT IS AT THE ADDRESS IDENTIFIED BY THE ADDRESS IDENTIFIED BY THE VRACBA KEY
2	(2)	X'18'	0	VRACBI	"24" ('18'X) THE DATA IS A ONE BYTE CONTROL BLOCK ID NUMBER, FOLLOWED BY THE CONTROL BLOCK. IDS 200-239 CAN BE ASSIGNED BY THE INDIVIDUAL RECOVERY ROUTINE. THE OTHER IDS ARE ASSIGNED BY THE OWNER OF THE IHAVRA MACRO. 1=UCB, 2=RCA, 3=IOSB, 4=ASCB, 5=SVRB XSA.
2	(2)	X'19'	0	VRACBIA	"25" ('19'X) THE DATA IS A ONE BYTE C.B. ID NUMBER (AS DEFINED UNDER VRACBI) AND ONE ZEROED BYTE, FOLLOWED BY THE 4 BYTE C.B. ADDRESS AND AN OPTIONAL 2 BYTE C.B. LENGTH. THE LENGTH CAN BE FOLLOWED BY AN OPTIONAL 2 BYTE ASID.
2	(2)	X'1A'	0	VRACBI2	"26" ('1A'X) THE DATA IS A ONE BYTE CONTROL BLOCK ID NUMBER AND ONE ZEROED BYTE, FOLLOWED BY THE CONTROL BLOCK. SEE VRACBI FOR THE DEFINITION OF THE C.B. ID NUMBER.
2	(2)	X'20'	0	VRAPLI	"32" ('20'X) THE DATA IS EBCDIC TEXT TO IDENTIFY THE PARAMETER LIST IN THE NEXT DATA FIELD. (IF IT HAS A MAPPING MACRO, USE THE VRACBM AND VRACB KEYS, INSTEAD.)
2	(2)	X'21'	0	VRAPL	"33" ('21'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A PARAMETER LIST
2	(2)	X'22'	0	VRAFPI	"34" ('22'X) THE DATA IS EBCDIC TEXT TO IDENTIFY THE FOOTPRINT AREA DATA IN THE NEXT DATA FIELD
2	(2)	X'23'	0	VRAFP	"35" ('23'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A FOOTPRINT AREA

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'24'	0	VRAPA	"36" ('24'X) THE DATA DESCRIBES THE EXECUTION PATH UP TO THE TIME OF THE ERROR. IT CONSISTS OF FOUR (EBCDIC) CHARACTERS TO IDENTIFY EACH SUBROUTINE OR MODULE THAT WAS INVOKED. THE FOUR RIGHTMOST CHARACTERS IDENTIFY THE LAST ROUTINE THAT WAS INVOKED.
2	(2)	X'25'	0	VRAP2	"37" ('25'X) THE DATA DESCRIBES THE EXECUTION PATH IN THE SAME FORMAT AS THE VRAPA KEY, BUT THE ID IS TWO CHARACTERS, NOT FOUR
2	(2)	X'26'	0	VRALK	"38" ('26'X) THE DATA IS THE EBCDIC NAME OF A LOCK THAT IS HELD
2	(2)	X'27'	0	VRAWAI	"39" ('27'X) THE DATA IS EBCDIC TEXT TO IDENTIFY THE WORK AREA IN THE NEXT DATA FIELD
2	(2)	X'28'	0	VRAWA	"40" ('28'X) THE DATA IS THE HEXADECIMAL CONTENTS OF A WORK AREA THAT HAS NO MAPPING MACRO
2	(2)	X'29'	0	VRAWAP	"41" ('29'X) THE DATA IS THE ADDRESS OF A WORK AREA (WHICH MAY BE IDENTIFIED BY VRAWAI DATA)
2	(2)	X'30'	0	VRALBL	"48" ('30'X) THE DATA IS AN EBCDIC LABEL RELATED TO THE FAILURE, SUCH AS THE LABEL OF THE CSECT THAT FAILED (IF THE CSECT IS NOT AT THE BEGINNING OF THE FAILING MICROFICHE MODULE NAMED IN SDWACSCT)
2	(2)	X'31'	0	VRARRL	"49" ('31'X) THE DATA IS THE LABEL OF THE RECOVERY ROUTINE HANDLING THE ERROR, IF THE RECOVERY ROUTINE IS NOT AT THE BEGINNING OF THE MICROFICHE MODULE, SDWAREXN AND CANNOT SUPPLY IN SDWARRL FIELD
2	(2)	X'33'	0	VRAMID	"51" ('33'X) THE DATA IS AN EBCDIC MESSAGE ID FOR A MESSAGE RELATED TO THE FAILURE, WITH MESSAGE TEXT OPTIONALLY APPEARING IN THE NEXT DATA FIELD
2	(2)	X'34'	0	VRAMSG	"52" ('34'X) THE DATA IS EBCDIC MESSAGE TEXT FOR THE MESSAGE ID IN THE VRAMID DATA FIELD
2	(2)	X'35'	0	VRAERR	"53" ('35'X) THE DATA IS EBCDIC INFORMATION ABOUT THE CAUSE OF THE ERROR (SUCH AS WHAT CONTROL BLOCK QUEUE FAILED AND WHERE)

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'36'	0	VRAEHX	"54" ('36'X) THE DATA IS HEXADECIMAL INFORMATION ABOUT THE CAUSE OF THE ERROR (SUCH AS THE ADDRESS OF AN INVALID QUEUE ELEMENT), AS EXPLAINED BY THE VRAERR DATA FIELD
2	(2)	X'37'	0	VRAHID	"55" ('37'X) THE DATA IS AN EBCDIC HEADER TO IDENTIFY THE INFORMATION IN THE FIELD THAT FOLLOWS IT IN THE VARIABLE RECORDING AREA
2	(2)	X'38'	0	VRAHEX	"56" ('38'X) THE DATA IS HEXADECIMAL INFORMATION
2	(2)	X'39'	0	VRAEBC	"57" ('39'X) THE DATA IS EBCDIC INFORMATION
2	(2)	X'3A'	0	VRAAID	"58" ('3A'X) THE DATA IS THE 2-BYTE HEXADECIMAL ASID ON WHOSE BEHALF THE FAILING ASID WAS OPERATING
2	(2)	X'3B'	0	VRATCB	"59" ('3B'X) THE DATA IS THE ADDRESS OF THE TCB ON WHOSE BEHALF THE FAILING FUNCTION WAS OPERATING
2	(2)	X'3C'	0	VRACA	"60" ('3C'X) THE DATA IS THE ADDRESS OF THE CALLER (INVOKER) OF THE FAILING FUNCTION
2	(2)	X'3D'	0	VRACAN	"61" ('3D'X) THE DATA IS THE NAME OF THE MODULE THAT CALLED THE FAILING FUNCTION
2	(2)	X'40'	0	VRAOA	"64" ('40'X) THE DATA IS THE ORIGINAL HEXADECIMAL ABEND COMPLETION CODE, BEFORE IT WAS CHANGED TO A COMPONENT-RELATED ABEND CODE. (THE RECOMMENDED LENGTH IS 3 BYTES.)
2	(2)	X'41'	0	VRAPSW	"65" ('41'X) THE DATA IS THE PSW FROM THE ORIGINAL ABEND, OR ANOTHER PSW ASSOCIATED WITH THE ABEND
2	(2)	X'42'	0	VRAINS	"66" ('42'X) THE DATA IS THE FAILING INSTRUCTION POINTED TO BY THE PSW FROM THE ORIGINAL ABEND, OR ANOTHER PSW ASSOCIATED WITH THE ABEND
2	(2)	X'43'	0	VRAREGS	"67" ('43'X) THE DATA IS THE GENERAL PURPOSE REGISTERS AT THE TIME OF THE ORIGINAL ABEND (OR OTHER REGISTERS ASSOCIATED WITH THE ABEND), IN THE ORDER INDICATED BY THE VRAFREG KEY

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'44'	0	VRAREGA	"68" ('44'X) THE DATA IS THE ADDRESS OF AN AREA WITH THE GENERAL PURPOSE REGISTERS AT THE TIME OF THE ORIGINAL ABEND (OR OTHER REGISTERS ASSOCIATED WITH THE ABEND), IN THE ORDER INDICATED BY VRAFREG
2	(2)	X'45'	0	VRAOR15	"69" ('45'X) THE DATA IS REGISTER 15 AT THE TIME OF THE ORIGINAL ABEND
2	(2)	X'46'	0	VRADSN	"70" ('46'X) THE DATA IS THE EBCDIC NAME OF A DATA SET ASSOCIATED WITH THE FAILURE (SUCH AS SYS1.PAGE01)
2	(2)	X'47'	0	VRADEV	"71" ('47'X) THE DATA IS THE EBCDIC NAME OF A DEVICE ASSOCIATED WITH THE FAILURE
2	(2)	X'48'	0	VRASN	"72" ('48'X) THE DATA IS HEXADECIMAL I/O SENSE DATA
2	(2)	X'49'	0	VRAST	"73" ('49'X) THE DATA IS HEXADECIMAL I/O STATUS DATA
2	(2)	X'4A'	0	VRAU	"74" ('4A'X) THE DATA IS AN EBCDIC UNIT ADDRESS OR UNIT NAME (UCBNAME)
2	(2)	X'4B'	0	VRACCW	"75" ('4B'X) THE DATA IS THE HEXADECIMAL CCW FOR AN I/O REQUEST
2	(2)	X'4C'	0	VRACSW	"76" ('4C'X) THE DATA IS THE HEXADECIMAL CSW FOR AN I/O REQUEST
2	(2)	X'4D'	0	VRADVT	"77" ('4D'X) THE DATA IS HEXADECIMAL DEVICE TYPE INFORMATION, IN THE SAME FORMAT AS THE UCBTYP FIELD
2	(2)	X'4E'	0	VRAVOL	"78" ('4E'X) THE DATA IS AN EBCDIC VOLUME SERIAL NUMBER FOR A DATA SET ASSOCIATED WITH THE FAILURE
2	(2)	X'50'	0	VRAREQ	"80" ('50'X) THE DATA IS ONE OR MORE KEYS WHICH ARE TO BE USED BY DAE FOR MATCHING FOR DUPLICATES. EACH KEY MUST BE A HALF WORD.
2	(2)	X'51'	0	VRAOPT	"81" ('51'X) THE DATA IS ONE OR MORE KEYS WHICH, IF PRESENT,WILL BE USED BY DAE FOR MATCHING FOR DUPLICATES. EACH KEY MUST BE A HALF WORD.
2	(2)	X'52'	0	VRAMINSC	"82" ('52'X) THE DATA IS A 2 BYTE MINIMUM COUNT OF SYMPTOMS REQUIRED BEFORE DAE CAN CARRY OUT MATCHING FOR DUPLICATES. THE DATA MUST BE 2 BYTES (HALF-WORD) IN LENGTH.

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'53'	0	VRADAE	"83" ('53'X) NO DATA IS ASSOCIATED WITH THIS KEY. THE KEY SHOULD BE PLACED INTO THE VRA PRIOR TO A DUMP REQUEST IF THE SDWA CONTAINS SUFFICIENT DATA FOR DAE TO UNIQUELY IDENTIFY THE DUMP.
2	(2)	X'54'	0	VRAMINSL	"84" ('54'X) THE DATA IS A 2 BYTE MINIMUM LENGTH OF SYMPTOM STRING REQUIRED BEFORE DAE CAN CARRY OUT MATCHING FOR DUPLICATES.
2	(2)	X'60'	0	VRAFREG	"96" ('60'X) THE DATA IS A 1 BYTE REGISTER NUMBER OF THE FIRST REGISTER IN THE VRAREGS OR VRAREGA AREA THAT FOLLOWS. DEFAULT IS REG.0. REG.14 INDICATES REGISTERS IN 14,15,0-12 ORDER.
2	(2)	X'63'	0	VRACSCB	"99" ('63'X) THE DATA IS THE CSCB CONTROL BLOCK WITH THE OPERATOR COMMAND ASSOCIATED WITH THE FAILURE
2	(2)	X'64'	0	VRACSCBA	"100" ('64'X) THE DATA IS THE ADDRESS OF THE CSCB CONTROL BLOCK ASSOCIATED WITH THE FAILURE
2	(2)	X'65'	0	VRAJOB	"101" ('65'X) THE DATA IS THE JOBNAME THAT FAILED. NOTE, THE JOBNAME IS ALSO IN THE ENTRY HEADER IN THE LOGREC DATA SET.
2	(2)	X'66'	0	VRASTP	"102" ('66'X) THE DATA IS THE STEPNAME THAT FAILED
2	(2)	X'67'	0	VRACMD	"103" ('67'X) THE DATA IS AN EBCDIC TSO COMMAND OR OTHER COMMAND ASSOCIATED WITH THE FAILURE
2	(2)	X'68'	0	VRAJCL	"104" ('68'X) THE DATA IS A JCL STATEMENT
2	(2)	X'69'	0	VRANODAE	"105" ('69'X) NO DATA IS ASSOCIATED WITH THIS KEY. THE KEY SHOULD BE PLACED INTO THE VRA PRIOR TO A DUMP REQUEST IF THE SDWA DOES NOT CONTAIN SUFFICIENT DATA FOR DAE TO UNIQUELY IDENTIFY THE DUMP.
2	(2)	X'73'	0	VRAEPN	"115" ('73'X) THE DATA IS THE NAME OF THE ENTRY POINT INVOLVED IN THE FAILURE
2	(2)	X'77'	0	VRAETF	"119" ('77'X) THE DATA IS THE ADDRESS OF THE ENTRY POINT INVOLVED IN THE FAILURE
2	(2)	X'78'	0	VRACTF	"120" ('78'X) THE DATA IS THE ADDRESS OF THE CSECT (ASSEMBLY MODULE) THAT FAILED

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'79'	0	VRALTF	"121" ('79'X) THE DATA IS THE ADDRESS OF THE LOAD MODULE THAT FAILED
2	(2)	X'7A'	0	VRAMO	"122" ('7A'X) THE DATA IS THE HEXADECIMAL OFFSET OF THE FAILING CSECT (ASSEMBLY MODULE) INTO ITS LOAD MODULE
2	(2)	X'7B'	0	VRAILO	"123" ('7B'X) THE DATA IS THE HEXADECIMAL OFFSET OF THE FAILING INSTRUCTION INTO ITS LOAD MODULE
2	(2)	X'7C'	0	VRAIMO	"124" ('7C'X) THE DATA IS THE HEXADECIMAL OFFSET OF THE FAILING INSTRUCTION INTO ITS CSECT (ASSEMBLY MODULE)
2	(2)	X'7D'	0	VRAFID	"125" ('7D'X) THE DATA IS THE EBCDIC FEATURE ID FOR THE FAILING CSECT (ASSEMBLY MODULE)
2	(2)	X'7E'	0	VRAPID	"126" ('7E'X) THE DATA IS THE EBCDIC PRODUCT ID FOR THE FAILING MODULE
2	(2)	X'A0'	0	VRAIAP	"160" ('A0'X) THE DATA IS THE NAME OF AN ANALYTIC PROCEDURE TO BE RUN BY THE PROGRAM IDENTIFIED IN THE VRAIDP DATA
2	(2)	X'A1'	0	VRAIAL	"161" ('A1'X) THE DATA IS A PARAMETER LIST FOR USE BY THE ANALYTIC PROCEDURE IDENTIFIED IN THE VRAIAP DATA
2	(2)	X'A2'	0	VRAICL	"162" ('A2'X) THE DATA IS A PARAMETER LIST FOR USE IN CONTROL OF THE PROGRAM IDENTIFIED IN THE VRAIDP DATA
2	(2)	X'A3'	0	VRAIDP	"163" ('A3'X) THE DATA IS THE NAME OF THE DUMP (OR LOGREC) READING PROGRAM THAT SHOULD PROCESS THE DATA IN THE VRAIAP, VRAIAL, AND VRAICL FIELDS
2	(2)	X'A4'	0	VRALKWA	"164" ('A4'X) THE DATA IS THE ADDRESS OF THE LOCKWORD FOR THE LOCK INDICATED BY VRALK
2	(2)	X'C8'	0	VRARRK	"200" ('C8'X) THIS KEY AND KEYS 201 THRU 239 ('EF'X) MAY BE DEFINED BY THE INDIVIDUAL RECOVERY ROUTINE. EACH KEY CAN BE PRECEDED BY THE VRAHID KEY AND TEXT TO IDENTIFY THE RECOVERY ROUTINE DATA.

KEYS 201 THROUGH 239 MAY BE USED BY RECOVERY ROUTINES TO SUPPLY
PROBLEM SYMPTOMS WHICH ARE NOT DESCRIBED BY THE PREVIOUS KEYS.
EACH KEY REQUIRES A PARTICULAR TYPE OF DATA, AS FOLLOWS:
    KEYS 201-224 - EBCDIC DATA
    KEYS 225-234 - HEXADECIMAL DATA
    KEYS 235-239 - FLAG DATA

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'C9'	0	VRARRK1	"201" ('C9'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CA'	0	VRARRK2	"202" ('CA'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CB'	0	VRARRK3	"203" ('CB'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CC'	0	VRARRK4	"204" ('CC'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CD'	0	VRARRK5	"205" ('CD'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CE'	0	VRARRK6	"206" ('CE'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'CF'	0	VRARRK7	"207" ('CF'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D0'	0	VRARRK8	"208" ('D0'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D1'	0	VRARRK9	"209" ('D1'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D2'	0	VRARRK10	"210" ('D2'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D3'	0	VRARRK11	"211" ('D3'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D4'	0	VRARRK12	"212" ('D4'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D5'	0	VRARRK13	"213" ('D5'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D6'	0	VRARRK14	"214" ('D6'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D7'	0	VRARRK15	"215" ('D7'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D8'	0	VRARRK16	"216" ('D8'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'D9'	0	VRARRK17	"217" ('D9'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DA'	0	VRARRK18	"218" ('DA'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DB'	0	VRARRK19	"219" ('DB'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DC'	0	VRARRK20	"220" ('DC'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DD'	0	VRARRK21	"221" ('DD'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DE'	0	VRARRK22	"222" ('DE'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'DF'	0	VRARRK23	"223" ('DF'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E0'	0	VRARRK24	"224" ('E0'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E1'	0	VRARRK25	"225" ('E1'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E2'	0	VRARRK26	"226" ('E2'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E3'	0	VRARRK27	"227" ('E3'X) KEY DEFINED BY THE RECOVERY ROUTINE

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'E4'	0	VRARRK28	"228" ('E4'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E5'	0	VRARRK29	"229" ('E5'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E6'	0	VRARRK30	"230" ('E6'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E7'	0	VRARRK31	"231" ('E7'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E8'	0	VRARRK32	"232" ('E8'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'E9'	0	VRARRK33	"233" ('E9'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EA'	0	VRARRK34	"234" ('EA'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EB'	0	VRARRK35	"235" ('EB'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EC'	0	VRARRK36	"236" ('EC'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'ED'	0	VRARRK37	"237" ('ED'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EE'	0	VRARRK38	"238" ('EE'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'EF'	0	VRARRK39	"239" ('EF'X) KEY DEFINED BY THE RECOVERY ROUTINE
2	(2)	X'FA'	0	VRASKP	"250" ('FA'X) THIS KEY CAN BE USED TO SKIP TO A FULLWORD BOUNDARY. ANY DATA WILL BE IGNORED.
2	(2)	X'FF'	0	VRAEND	"255" ('FF'X) THE DATA FROM THIS KEY FIELD TO THE END OF THE VARIABLE USER DATA IS NOT MAPPED. (THE SDWAURAL FIELD DEFINES THE LENGTH OF THE USER DATA IN THE SDWAVRA.) THIS KEY IS NOT NEEDED IF ALL OF THE USER-SUPPLIED DATA IS MAPPED.
HEXADECIMAL KEYS FOR MAIN FIXED AREA OF SDWA					
2	(2)	X'3E9'	0	EFABS	"1001" ('3E9'X) THE DATA IS THE SYSTEM ABEND CODE.
2	(2)	X'3EA'	0	EFABU	"1002" ('3EA'X) THE DATA IS THE USER ABEND CODE.
2	(2)	X'3EB'	0	EFLDMD	"1003" ('3EB'X) THE DATA IS THE FAILING LOAD MODULE NAME.
2	(2)	X'3EC'	0	EFCSCT	"1004" ('3EC'X) THE DATA IS THE FAILING CSECT NAME.
2	(2)	X'3ED'	0	EFREXN	"1005" ('3E9'X) THE DATA IS THE RECOVERY ROUTINE NAME.
2	(2)	X'3F3'	0	EFPSW	"1011" ('3E9'X) THE DATA IS THE PSW REGISTER DIFFERENCE.
HEXADECIMAL KEYS FOR FIRST EXTENSION OF SDWA = SDWARC1					
2	(2)	X'44D'	0	E1C1D1C	"1101" THIS KEY SHOULD NOT BE USED. IT IS RETAINED FOR COMPATABILITY REASONS ONLY.

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'44D'	0	E1CID1C	"1101" ('44D'X) THE DATA IS THE COMPONENT ID.
2	(2)	X'44E'	0	E1SUB1C	"1102" ('44E'X) THE DATA IS THE SUBFUNCTION.
2	(2)	X'451'	0	E1AMD1C	"1105" ('451'X) THE DATA IS THE ASSEMBLY DATE OF THE FAILING MODULE.
2	(2)	X'452'	0	E1VRS1C	"1106" ('452'X) THE DATA IS THE VERSION OF THE MODULE-PTF OR PRODUCT NUMBER.
2	(2)	X'454'	0	E1HRC1C	"1108" ('454'X) THE DATA IS THE REASON OR RETURN CODE.
2	(2)	X'456'	0	E1RRL1C	"1110" ('456'X) THE DATA IS THE LABEL OF THE RECOVERY ROUTINE THAT FILLED IN THIS SDWA.
2	(2)	X'45A'	0	E1CDB1C	"1114" ('45A'X) THE DATA IS THE COMPONENT ID BASE NUMBER, SUCH AS 5741.
2	(2)	X'45C'	0	E1CCR1C	"1116" ('45C'X) THE DATA ARE PROGRAM STATUS FLAGS.
2	(2)	X'45E'	0	E1HLH1C	"1118" ('45E'X) COPY OF PSAHLHI-HIGHEST LOCK HELD INDICATOR.
2	(2)	X'460'	0	E1SUP1C	"1120" ('460'X) COPY OF PSASUPER (SUPERVISOR CONTROL WORD).
2	(2)	X'464'	0	E1SPN1C	"1124" ('464'X) COPY OF LCCASPIN (PROCESSOR IS SPINNING INDICATORS).
2	(2)	X'466'	0	E1FI1C	"1126" ('466'X) THE DATA ARE THE 12 BYTES OF THE INSTRUCTION STREAM AS DETERMINED BY THE ADRESS IN THE FAILING PSW.
2	(2)	X'468'	0	E1FRR1C	"1128" ('468'X) THE DATA IS A COPY OF THE FRR PARAMETER AREA FROM THE CURRENT FRR STACK ENTRY.
2	(2)	X'46A'	0	E1ASID1C	"1130" ('46A'X) THE DATA IS THE ASID OF THE FAILING TASK OR A RELATED ASID.
2	(2)	X'46C'	0	E1ORCC1C	"1132" ('46C'X) THE DATA IS THE ORIGINAL COMPLETION CODE.
2	(2)	X'46E'	0	E1ORRC1C	"1134" ('46E'X) THE DATA IS THE ORIGINAL REASON CODE.
2	(2)	X'470'	0	E1PIDS1C	"1136" ('470'X) THE DATA IS THE PRODUCT/COMPONENT ID.
HEXADECIMAL KEYS FOR SECOND EXTENSION OF SDWA = SDWARC2					
2	(2)	X'4B3'	0	E2MCIC	"1203" ('4B3'X) THE DATA IS THE MACHINE CHECK INTERRUPT CODE.
HEXADECIMAL KEYS FOR SYSMDUMP SYSTEMS ARE THE SAME AS FOR THE SAME SYMPTOMS FROM THE SDWA HEXADECIMAL KEYS FOR RETAIN SYMPTOMS					
2	(2)	X'0'	0	RINVLD	"0" ('0'X) INVALID SYMPTOM.

Table 570. Structure VRAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
2	(2)	X'1'	0	RABNDSR	"1" ('01'X) THE DATA IS THE SYSTEM ABEND CODE.
2	(2)	X'2'	0	RABNDUR	"2" ('02'X) THE DATA IS THE USER ABEND CODE.
2	(2)	X'3'	0	RFLDSR	"3" ('03'X) THE DATA IS A FIELD NAME OR LABEL.
2	(2)	X'4'	0	RLVLSR	"4" ('04'X) THE DATA IS THE COMPONENT, SU, PP, RELEASE LEVEL.
2	(2)	X'5'	0	RMSGIDR	"5" ('05'X) MESSAGE IDENTIFIER.
2	(2)	X'6'	0	RADRSR	"6" ('06'X) ADDRESS OR OFFSET.
2	(2)	X'7'	0	RPCSSR	"7" ('07'X) THE DATA IS JCL, AN OPERATOR COMMAND A USER COMMAND, OR A PARAMETER (EBCDIC).
2	(2)	X'8'	0	RPIDSR	"8" ('08'X) THE DATA IS A COMPONENT IDENTIFIER AS 5752SC124 OR 575200000.
2	(2)	X'9'	0	RPRCSR	"9" ('09'X) THE DATA IS THE RETURN OR REASON CODE.
2	(2)	X'A'	0	RPTFSRR	"10" ('0A'X) THE DATA IS A PTF IDENTIFIER.
2	(2)	X'B'	0	RPZFSR	"11" ('0B'X) THE DATA IS A SUPERZAP IDENTIFIER.
2	(2)	X'C'	0	RREGSR	"12" ('0C'X) THE DATA ARE THE CONTENTS OF THE FAILING REGISTERS.
2	(2)	X'D'	0	RRIDSR	"13" ('0D'X) MODULE, CSECT, ROUTINE NAME, ACCESS METHOD, ETC.
2	(2)	X'E'	0	RSTATR	"14" ('0E'X) CSW, DSW STATUS.
2	(2)	X'F'	0	RVALUHR	"15" ('0F'X) THE DATA IS HEXADECIMAL IN THE SOURCE FIELD.
2	(2)	X'10'	0	RVALUCR	"16" ('10'X) THE DATA IS CHARACTER IN THE SOURCE FIELD.
2	(2)	X'11'	0	RVALUBR	"17" ('11'X) THE DATA IS A FLAG FIELD IN THE SOURCE FIELD.

Table 571. Cross Reference for VRAMAP

Name	Offset	Hex Tag
EFABS	2	3E9
EFABU	2	3EA
EFCSCT	2	3EC
EFLDMD	2	3EB
EFPSW	2	3F3
EFREXN	2	3ED
E1AMD1C	2	451
E1ASID1C	2	46A
E1CCR1C	2	45C
E1CDB1C	2	45A
E1CID1C	2	44D
E1C1D1C	2	44D

Table 571. Cross Reference for VRAMAP (continued)

Name	Offset	Hex Tag
E1FI1C	2	466
E1FRR1C	2	468
E1HLH1C	2	45E
E1HRC1C	2	454
E1ORCC1C	2	46C
E1ORRC1C	2	46E
E1PIDS1C	2	470
E1RRL1C	2	456
E1SPN1C	2	464
E1SUB1C	2	44E
E1SUP1C	2	460
E1VRS1C	2	452
E2MCIC	2	4B3
RABNDSR	2	1
RABNDUR	2	2
RADRSR	2	6
RFLDSR	2	3
RINVLD	2	0
RLVLSR	2	4
RMSGIDR	2	5
RPCSSR	2	7
RPIDSR	2	8
RPRCSR	2	9
RPTFSRR	2	A
RPZFSR	2	B
RREGSR	2	C
RRIDSR	2	D
RSTATR	2	E
RVALUBR	2	11
RVALUCR	2	10
RVALUHR	2	F
VRAAID	2	3A
VRACA	2	3C
VRACAN	2	3D
VRACB	2	12
VRACBA	2	14
VRACBF	2	13
VRACBI	2	18
VRACBIA	2	19
VRACBI2	2	1A
VRACBL	2	16
VRACBM	2	11
VRACBO	2	15
VRACCW	2	4B
VRACMD	2	67
VRACOM	2	1
VRACSCB	2	63
VRACSCBA	2	64
VRACSW	2	4C

Table 571. Cross Reference for VRAMAP (continued)

Name	Offset	Hex Tag
VRACTF	2	78
VRADAE	2	53
VRADAT	2	
VRADEV	2	47
VRADSN	2	46
VRADT	2	4
VRADVT	2	4D
VRAEBC	2	39
VRAEHX	2	36
VRAEND	2	FF
VRAEPN	2	73
VRAERR	2	35
VRAETF	2	77
VRAFID	2	7D
VRAFP	2	23
VRAFPI	2	22
VRAFREG	2	60
VRAHEX	2	38
VRAHID	2	37
VRAIAL	2	A1
VRAIAP	2	A0
VRAICL	2	A2
VRAIDP	2	A3
VRAILO	2	7B
VRAIMO	2	7C
VRAINS	2	42
VRAJCL	2	68
VRAJOB	2	65
VRAKEY	0	
VRAKL	0	
VRALBL	2	30
VRALEN	1	
VRALENKL	2	2
VRALK	2	26
VRALKWA	2	A4
VRALTF	2	79
VRALVL	2	3
VRALVLS	2	9
VRAMAP	0	
VRAMID	2	33
VRAMINSC	2	52
VRAMINSL	2	54
VRAMO	2	7A
VRAMSG	2	34
VRANODAE	2	69
VRAOA	2	40
VRAOPT	2	51
VRAOR15	2	45
VRAPA	2	24

Table 571. Cross Reference for VRAMAP (continued)

Name	Offset	Hex Tag
VRAPID	2	7E
VRAPL	2	21
VRAPLI	2	20
VRAPSW	2	41
VRAPTF	2	5
VRAP2	2	25
VRAQERR	2	8
VRAQVOD	2	7
VRARC	2	6
VRAREGA	2	44
VRAREGS	2	43
VRAREQ	2	50
VRARRK	2	C8
VRARRK1	2	C9
VRARRK10	2	D2
VRARRK11	2	D3
VRARRK12	2	D4
VRARRK13	2	D5
VRARRK14	2	D6
VRARRK15	2	D7
VRARRK16	2	D8
VRARRK17	2	D9
VRARRK18	2	DA
VRARRK19	2	DB
VRARRK2	2	CA
VRARRK20	2	DC
VRARRK21	2	DD
VRARRK22	2	DE
VRARRK23	2	DF
VRARRK24	2	E0
VRARRK25	2	E1
VRARRK26	2	E2
VRARRK27	2	E3
VRARRK28	2	E4
VRARRK29	2	E5
VRARRK3	2	CB
VRARRK30	2	E6
VRARRK31	2	E7
VRARRK32	2	E8
VRARRK33	2	E9
VRARRK34	2	EA
VRARRK35	2	EB
VRARRK36	2	EC
VRARRK37	2	ED
VRARRK38	2	EE
VRARRK39	2	EF
VRARRK4	2	CC
VRARRK5	2	CD
VRARRK6	2	CE

Table 571. Cross Reference for VRAMAP (continued)

Name	Offset	Hex Tag
VRARRK7	2	CF
VRARRK8	2	D0
VRARRK9	2	D1
VRARRL	2	31
VRARRP	2	10
VRASC	2	2
VRASKP	2	FA
VRASN	2	48
VRAST	2	49
VRASTP	2	66
VRATCB	2	3B
VRAU	2	4A
VRAVOL	2	4E
VRAWA	2	28
VRAWAI	2	27
VRAWAP	2	29

Chapter 160. VSL Information

VSL Programming Interface Information

The following field is **NOT** programming interface information:

- VSLRAO

VSL Heading Information

Common Name:	Virtual Subarea List Entry
Macro ID:	IHAVSL
DSECT Name:	VSL
Owning Component:	Real Storage Manager (SC1CR)
Eye-Catcher ID:	None
Storage Attributes:	Virtual Storage: Yes Subpool: USER SPECIFIED. Key: USER SPECIFIED. Residency: Below 16 megabytes virtual
Size:	8 bytes
Created by:	Caller
Pointed to by:	USER SPECIFIED.
Serialization:	USER SPECIFIED.
Function:	Describes a paging service to be performed on a range of virtual pages.

VSL mapping

Table 572. Structure VSL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	VSL	, VSLPTR
0	(0)	ADDRESS	4	VSLSTRT(0)	- FULL WORD REFERENCE TO VSLSTRTA
0	(0)	BITSTRING	1	VSLFLAG1	- FIRST FLAG FIELD
		1...		VSLCONT	"BIT0" - CONTINUATION FLAG. IF ON, VSLSTRTA POINTS TO THE NEXT VSL ENTRY. OTHERWISE, THIS IS A NORMAL VSL.
		.1..		VSLFIX	"BIT1" - PGFIX OPTION FLAG
		..1.		VSLFREE	"BIT2" - PGFREE OPTION FLAG
		...1		VSLOAD	"BIT3" - PGLOAD OPTION FLAG
		.... 1...		VSLRLS	"BIT4" - PGRLSE OPTION FLAG
		.... .1..		VSLANYW	"BIT5" - PAGE-ANYWHER OPTION FLAG
		.... ..1.		VSLONG	"BIT6" - LONG-TERM FIX OPTION FLAG FOR PGFIX
		1		VSLRSV2	"BIT7" - RESERVED
1	(1)	ADDRESS	3	VSLSTRTA	- START ADDRESS OF THE VIRTUAL SUBAREA TO BE PROCESSED
4	(4)	ADDRESS	4	VSLEND(0)	- FULL WORD REFERENCE FOR VSLENDA

Table 572. Structure VSL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	BITSTRING	1	VSLFLAG2	- SECOND FLAG FIELD
		1...		VSLAST	"BIT0" - LAST ENTRY IN LIST OF REQUESTS FLAG
		.1..		VSLNULL	"BIT1" - NULL ENTRY FLAG. IF ON, INDICATES THAT THE ENTRY IS TO BE IGNORED.
		..1.		VSLRAO	"BIT2" - REAL ADDRESS OPTION FLAG. IF ON, THE REAL STORAGE ADDRESS ASSIGNED TO THE VIRTUAL AREA WILL BE STORED IN VSLENDA. NOT SUPPORTED IN VS2/2.
		...1		VSLERR	"BIT3" - RESERVED FOR MVS/370
		.... 1...		VSLRSV3	"BIT4" - RESERVED
		.... .1..		VSLPGOUT	"BIT5" - PERFORM A PAGE-OUT OPERATION
		.... ..1.		VSLKEPRL	"BIT6" - KEEP REAL FRAME AFTER PAGE-OUT
		1		VSLEXTRS	"BIT7" - RESERVED FOR EXPANSION
5	(5)	ADDRESS	3	VSLEND1A	- END ADDRESS PLUS 1 OF THE VIRTUAL SUBAREA DESCRIBED BY THIS ENTRY.
8	(8)	CHARACTER	1	VSLENDPT(0)	- END OF VIRTUAL SUBAREA LIST ENTRY
8	(8)	X'8'	0	VSLLEN	"VSLENDPT-VSL" - LENGTH OF VSL ENTRY

Table 573. Cross Reference for VSL

Name	Offset	Hex Tag
VSL	0	
VSLANYW	0	4
VSLAST	4	80
VSLCONT	0	80
VSLEND	4	
VSLENDPT	8	
VSLEND1A	5	
VSLERR	4	10
VSLEXTRS	4	1
VSLFIX	0	40
VSLFLAG1	0	
VSLFLAG2	4	
VSLFREE	0	20
VSLKEPRL	4	2
VSLLEN	8	8
VSLNULL	4	40
VSLOAD	0	10
VSLONG	0	2
VSLPGOUT	4	4
VSLRAO	4	20
VSLRLS	0	8
VSLRSV2	0	1

Table 573. Cross Reference for VSL (continued)

Name	Offset	Hex Tag
VSLRSV3	4	8
VSLSTRT	0	
VSLSTRTA	1	

Chapter 161. VSMD Information

VSMD Programming Interface Information

VSMD is a programming interface.

VSMD Heading Information

Common Name:	VSM Descriptors
Macro ID:	IGVVSMD
DSECT Name:	VSMD
Owning Component:	Virtual Storage Manager (SC1CH)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: Any Key: Any
Size:	8 bytes
Created by:	N/A
Pointed to by:	N/A
Serialization:	None
Function:	Describes information provided by VSMLIST service.

VSMD mapping

Table 574. Structure VSMD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	VSMD	
0	(0)	SIGNED	4	VSMDSP(0)	SUBPOOL DESCRIPTOR
0	(0)	ADDRESS	1	VSMDFRMT	INDICATES FORMAT OF DESC.
1	(1)	ADDRESS	1	VSMDLEN	LENGTH OF THE DESCRIPTOR
2	(2)	ADDRESS	1	VSMDID	SUBPOOL ID
3	(3)	ADDRESS	1	VSMDKEY	STORAGE KEY (BITS 0 - 3)
3	(3)	BITSTRING	1	VSMDFLGS	MISCELLANEOUS FLAGS
		.... 1...		VSMDOWN	"X'08'" IF ONE, THE SUBPOOL IS OWNED
		.... .1..		VSMDSHR	"X'04'" IF ONE, THE SUBPOOL IS SHARED
		.... ..1.		VSMDINV	"X'02'" IF ONE, THE SUBPOOL IS INVALID
4	(4)	ADDRESS	4	VSMDTCBP	ADDRESS OF OWNING TCB OR ZERO
0	(0)	SIGNED	4	VSMDBLK(0)	BLOCK DESCRIPTOR
0	(0)	ADDRESS	4	VSMDAREA	ADDRESS OF BLOCK
4	(4)	ADDRESS	4	VSMDSIZE	SIZE OF THE BLOCK
0	(0)	ADDRESS	4	VSMDTCB	ADDRESS OF OWNING TCB
0	(0)	ADDRESS	4	VSMDCNT	NUMBER OF DESCRIPTORS THAT FOLLOW

Table 575. Cross Reference for VSMD

Name	Offset	Hex Tag
VSMD	0	

Table 575. Cross Reference for VSMD (continued)

Name	Offset	Hex Tag
VSMDAREA	0	
VSMDBLK	0	
VSMDCNT	0	
VSMDFLGS	3	
VSMDFRMT	0	
VSMDID	2	
VSMDINV	3	2
VSMDKEY	3	
VSMDLEN	1	
VSMDOWN	3	8
VSMDSHR	3	4
VSMDSIZE	4	
VSMDSP	0	
VSMDTCB	0	
VSMDTCBP	4	

Chapter 162. VTSPL Information

VTSPL Heading Information

Common Name:	Subsystem Vector Table Service Parameter List
Macro ID:	IEFVTSPL
DSECT Name:	VTSPL
Owning Component:	Subsystem Interface (SC1B6)
Eye-Catcher ID:	VTSP Offset: 0 Length: 4
Storage Attributes:	Subpool: ANY Key: Caller's Key
Size:	52 bytes
Created by:	Caller of IEFJSVEC
Pointed to by:	Caller sets up register 1 pointing to a word which points to IEFVTSPL.
Serialization:	None
Function:	Maps the input to subsystem vector table service routine IEFJSVEC. IEFJSVEC has been superseded for external use by the IEFSSVT macro.

VTSPL mapping

Table 576. Structure VTSPL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	VTSPL	
0	(0)	CHARACTER	4	VTSID	IDENTIFIER 'VTSP'
4	(4)	SIGNED	2	VTSLEN	LENGTH OF PARAMETER LIST
6	(6)	BITSTRING	1	VTSVER	VERSION OF PARAMETER LIST
7	(7)	BITSTRING	1	VTSCONID	CONSOLE ID
8	(8)	BITSTRING	1	VTSFLGS	FLAGS
		1...		VTSGLOAD	"X'80'" LOAD TO GLOBAL INDICATOR
9	(9)	BITSTRING	1	VTSREQ	REQUEST FLAGS
		1...		VTSCREAT	"X'80'" CREATE NEW SSVT
		.1..		VTSFCDIS	"X'40'" DISABLE SELECTED FUNCTION CODES OF EXISTING SSVT
		..1.		VTSFCEN	"X'20'" ENABLE SELECTED FUNCTION CODES OF EXISTING SSVT
10	(A)	CHARACTER	2	VTSRSV1	RESERVED
12	(C)	CHARACTER	4	VTSNME	SUBSYSTEM NAME
16	(10)	SIGNED	4	VTSSVTD	ADDRESS OF SSVT TABLE DATA
20	(14)	SIGNED	4	VTSSVTAD	ADDRESS OF SSVT (RETURNED)
24	(18)	SIGNED	4	VTSSSCVT	ADDRESS OF SSCVT (RETURNED)
28	(1C)	CHARACTER	8	VTSFUNCT	FUNCTION ROUTINE NAME BEING PROCESSED WHEN AN ERROR OCCURRED
36	(24)	SIGNED	4	VTSCNSID	4 Byte Console ID
40	(28)	CHARACTER	8	VTSCART	Command And Response Token
48	(30)	CHARACTER	4	VTSRSV2	Reserved
48	(30)	X'34'	0	VTSSIZE	"*-VTSPL" LENGTH OF PARAMETER LIST

Table 576. Structure VTSPL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
48	(30)	X'E3E2D7'	0	VTSCID	"C'VTSP'" Identifier
48	(30)	X'2'	0	VTSCVER	"2" Current version number

Table 577. Cross Reference for VTSPL

Name	Offset	Hex Tag
VTSCART	28	
VTSCID	30	E3E2D7
VTSCNSID	24	
VTSCONID	7	
VTSCREAT	9	80
VTSCVER	30	2
VTSFCDIS	9	40
VTSFCEN	9	20
VTSFLGS	8	
VTSFUNCT	1C	
VTSGLOAD	8	80
VTSID	0	
VTSLEN	4	
VTSNME	C	
VTSPL	0	
VTSREQ	9	
VTSRSV1	A	
VTSRSV2	30	
VTSSIZE	30	34
VTSSSCVT	18	
VTSSVTAD	14	
VTSSVTD	10	
VTSVER	6	

Chapter 163. VUNT Information

VUNT Heading Information

Common Name:	VOLUNIT Table Entry
Macro ID:	IEFZB423
DSECT Name:	VOLUNTAB
Owning Component:	Allocation (SC1B4)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: 230 Key: Key 1 Residency: Above
Size:	40 Bytes
Created by:	IEFAB423
Pointed to by:	DDWAVUAD (contained within IEFZDDWA)
Serialization:	None
Function:	Defines volume/unit requirements of requests for Common Allocation.

VUNT mapping

Table 578. Structure VOLUNTAB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	40	VOLUNTAB	FORMAT OF VOLUNIT ENTRY
0	(0)	CHARACTER	6	VOLID	VOLUME SERIAL NUMBER
6	(6)	CHARACTER	4	VOLSTAT	STATUS BYTES
6	(6)	BITSTRING	1	VOLSTATA	REQUEST INDICATORS
		1...		VOLPUB	REQUEST NEEDS PUBLIC VOLUME
		.1..		VOLPRV	REQUEST NEEDS PRIVATE VOLUME
		..1.		VOLSPEC	REQUEST IS FOR SPECIFIC VOL
		...1		VOLSTG	REQUEST NEEDS STORAGE VOLUME
		.... 1...		VOLNSHR	VOLUME MUST BE NON-SHAREABLE
		.... .1..		VOLRESVE	VOLUM RESERVE WORK BIT
		.... ..1.		VUDADSM	REQUIRES DADSM
		1		VOLDEFER	DEFER MOUNT REQUEST
7	(7)	BITSTRING	1	VOLSTATB	REQUEST STATUS
		1...		VOLALOC	ENTRY HAS BEEN ALLOCATED
		.1..		VOLMNTD	VOL MUST BE MOUNTED BY END OF ALLOCATION
		..1.		VDEVREQD	ETIOT DEVICE ENTRY REQUIRED
		...1		VUPROCED	WORK BIT-AFFINITY PROCESSED
		.... 1...		VUDNALOC	RECOVERY NECESSARY FOR THIS ENTRY
		.... .1..		VUDADSME	RECOVERABLE DADSM ERROR ERROR HAS OCCURRED
		.... ..1.		VUVINELG	VOLUME IS MOUNTED ON INELIGIBLE OR UNLOCKED UNIT
		1		VUAFFWRK	VOLUME AFFINITY WORK BIT
8	(8)	BITSTRING	1	VOLSTATC	DEVICE CLASS
		1...		VOLTAREQ	TAPE REQUEST

Table 578. Structure VOLUNTAB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		VOLCOREQ	COMM. REQUEST
		..1.		VOLDAREQ	DIRECT ACCESS REQUEST
		...1		VOLGRREQ	GRAPHICS REQUEST
		.... 1...		VOLURREQ	UNIT RECORD REQUEST
		.... .1..		VURECVRY	RECOVERY ATTEMPTED
		.... ..1.		VUNOSPTP	CLEAR JFCBVOLS WHEN BACKING OUT ALLOC
		1		VUWTPBST	WAIT UNTIL PROCESSING PUBLIC TO STORAGE REQUESTS
9	(9)	BITSTRING	1	VOLSTATD	REQUEST STATUS
		1...		VUMUGDON	MULTI-UNIT/GEN WORK BIT
		.1..		VUREALOC	REARRANGE WORK BIT
		..1.		VUDMNDOF	Demand request device is offline or pending offline
		...1		VUDMNDAL	DEMAND REQ DEV IS ALLOC'D
		.... 1...		VUUNALSW	MUST BACKOUT ALLOCATION
		.... .1..		VUDMUNIQ	FIRST REQ FOR UNAVAILABLE DEMANDED UNIT
		.... ..1.		VUVLUNIQ	FIRST REQ WITH VALIDITY CHECK FOR THIS VOLUME
		1		VURCVYPR	RECOVERY PROCESSING DONE
10	(A)	SIGNED	2	VOLUNTID	UNIT IDENTIFIER
12	(C)	ADDRESS	4	VOLALGTP	ADDR OF ALGORITHM ENTRY
16	(10)	ADDRESS	4	VOLSIOTP	SIOT ADDRESS
20	(14)	ADDRESS	4	VUUCBP	PTR TO UCB OR PTR TO UCB POOL IF SU18 IN SYSTEM. Only valid for JES3 managed requests.
24	(18)	ADDRESS	4	VUGRID	PTR GROUP ID OR PTR TO THE GROUP ID LIST IF SU18 IS IN THE SYSTEM
Deleted VOLSMSMM, VOLIGNOR, VOLOGRPP and VOLOGRPC.					
28	(1C)	ADDRESS	4	VUPEND	UCB address of a pending offline device. Prior to Recovery processing may contain the UCB address of a pending offline permres DASD or reserved volume required by a request. During and after Recovery, contains the UCB address of a pending offline device selected by the Installation Exit or operator for allocation.
32	(20)	BITSTRING	1	VOLSTATE	REQUEST STATUS
		1...		VUALCOFL	Needs Allocated/Offline Processor
		.1..		VUDEVSEL	Device contained in VUPEND was selected by the exit or operator
		..1.		VU1STCON	When ON, the volser specified in the VOLID field is in conflict and this is its first occurrence in the VU table

Table 578. Structure VOLUNTAB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		VUDUPCON	When ON, the volser specified in the VOLID field is in conflict and this is NOT its first occurrence in the VU table
		 1111		*	Reserved
33	(21)	CHARACTER	3	*	Reserved
36	(24)	ADDRESS	4	VUSSIDRA	Pointer to SSI DRA

Table 579. Structure VUPOOL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	VUPOOL	UCB POOL
0	(0)	SIGNED	4	VUPOOL#	# OF UCB'S IN POOL
4	(4)	ADDRESS	4	VUCBS(*)	UCB'S IN POOL

Table 580. Structure VUGRLST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	VUGRLST	GROUP ID LIST
0	(0)	CHARACTER	8	VUGRLENT(*)	GROUP LIST ENTRIES
0	(0)	SIGNED	4	VUGRLIDS	GROUP IDS
4	(4)	SIGNED	4	*	RESERVED

Table 581. Cross Reference for VUNT

Name	Offset	Hex Tag
VDEVREQD	7	20
VOLALGTP	C	
VOLALOC	7	80
VOLCOREQ	8	40
VOLDAREQ	8	20
VOLDEFER	6	01
VOLGRREQ	8	10
VOLID	0	
VOLMNTD	7	40
VOLNSHR	6	08
VOLPRV	6	40
VOLPUB	6	80
VOLRESVE	6	04
VOLSIOTP	10	
VOLSPEC	6	20
VOLSTAT	6	
VOLSTATA	6	
VOLSTATB	7	
VOLSTATC	8	
VOLSTATD	9	
VOLSTATE	20	
VOLSTG	6	10

Table 581. Cross Reference for VUNT (continued)

Name	Offset	Hex Tag
VOLTAREQ	8	80
VOLUNTAB	0	
VOLUNTID	A	
VOLURREQ	8	08
VUAFFWRK	7	01
VUALCOFL	20	80
VUCBS	4	
VUDADSM	6	02
VUDADSME	7	04
VUDEVSEL	20	40
VUDMNDAL	9	10
VUDMNDOF	9	20
VUDMUNIQ	9	04
VUDNALOC	7	08
VUDUPCON	20	10
VUGRID	18	
VUGRLENT	0	
VUGRLIDS	0	
VUGRLST	0	
VUMUGDON	9	80
VUNOSPTP	8	02
VUPEND	1C	
VUPOOL	0	
VUPOOL#	0	
VUPROCED	7	10
VURCVYPR	9	01
VUREALOC	9	40
VURECVRY	8	04
VUSSIDRA	24	
VUUCBP	14	
VUUNALSW	9	08
VUVINELG	7	02
VUVLUNIQ	9	02
VUWTPBST	8	01
VU1STCON	20	20

Chapter 164. WKAL Information

WKAL Programming Interface Information

WKAL is a programming interface.

WKAL Heading Information

Common Name:	GTF Trace work area list
Macro ID:	AHLWKAL
DSECT Name:	WKAL, APARM
Owning Component:	GTFTRACE subcommand of IPCS (SC118)
Eye-Catcher ID:	None
Storage Attributes:	Subpool: n/a
Size:	Variable
Created by:	AHLFINIT, GTFTRACE initialization
Pointed to by:	GTFWALP field of GTFAPP
Serialization:	None
Function:	Map the GTF TRACE work area list

WKAL mapping

Table 582. Structure WKALHDR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	WKALHDR	, Work area list
0	(0)	BITSTRING	12	WKAL(0)	
0	(0)	ADDRESS	4	WKALARP	Work area pointer
4	(4)	SIGNED	4	WKALARL	Work area length
8	(8)	ADDRESS	4	WKALAPM	Appendage parameter pointer

Table 583. Structure APARM

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	APARM	, Appendage parameter
0	(0)	SIGNED	4	APARMP(0)	Parameter prefix
0	(0)	SIGNED	2	APARML	Length of text
2	(2)	SIGNED	2		Not used
4	(4)	CHARACTER	1	APARMT(0)	Text

Table 584. Cross Reference for WKAL

Name	Offset	Hex Tag
APARM	0	
APARML	0	
APARMP	0	
APARMT	4	
WKAL	0	
WKALAPM	8	

Table 584. Cross Reference for WKAL (continued)

Name	Offset	Hex Tag
WKALARL	4	
WKALARP	0	
WKALHDR	0	

Chapter 165. WMST Information

WMST Heading Information

Common Name:	System Resource Manager Workload Manager Specification Table
Macro ID:	IRAWMST
DSECT Name:	WMST (unless DSECT=NO is coded)
Owning Component:	System Resource Manager (SC1CX)
Eye-Catcher ID:	WMST Offset: 0 Length: CHAR(4)
Storage Attributes:	Subpool: 245 Key: 0 Residency: Above 16M line
Size:	176 bytes
Created by:	IEAVNP10, IEEMB812, IRAMSBLD, IRAMSCHG
Pointed to by:	RMCTWMST field of the RMCT data area
Serialization:	SRM lock
Function:	Contains the information required by the various SRM routines which reference the current SRM performance controls (either IEAIPSxx or the active service policy)

WMST mapping

Table 585. Structure WMST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	192	WMST	
0	(0)	CHARACTER	4	WMSTNAME	TABLE IDENTIFICATION - 'WMST'
4	(4)	CHARACTER	2	WMSTID	PERF SPECIFICATION ID
6	(6)	SIGNED	2	WMSTUPGN	NUMBER OF UNIQUE VALID PGNS
8	(8)	ADDRESS	4	WMSTPGVT	PERF GRP VECTOR TABLE ADDR Valid only in compat mode
12	(C)	SIGNED	4	WMSTPGVS	PERF GRP VECTOR TABLE SIZE
12	(C)	SIGNED	4	WMSTSPTS	SPTE length
16	(10)	ADDRESS	4	WMSTPGDT	1ST PERF GRP DESCRIPTOR ADDR Valid only in compat mode
20	(14)	SIGNED	4	WMSTPGDS	TOT PERF GRP DESCRIPTOR SIZE
20	(14)	SIGNED	4	WMSTSCTS	SCTE length
24	(18)	ADDRESS	4	WMSTDMDT	FIRST DMN DESC ADDR
28	(1C)	SIGNED	4	WMSTDMDS	TOT DOMAIN DESC SIZE
32	(20)	ADDRESS	4	WMSTDMVT	DMN VECTOR TABLE ADDR Valid only in compat mode
36	(24)	SIGNED	4	WMSTDMVS	DMN VECTOR TABLE SIZE
40	(28)	ADDRESS	4	WMSTTSPT	No longer used @ME22326C
44	(2C)	SIGNED	4	WMSTTSPS	No longer used @ME22326C
48	(30)	ADDRESS	4	WMSTTSGT	No longer used @ME22326C
52	(34)	SIGNED	4	WMSTTSGS	No longer used @ME22326C
56	(38)	ADDRESS	4	WMSTWMCT	WMCT address
60	(3C)	SIGNED	4	WMSTSIC1	Internal service classes
60	(3C)	UNSIGNED	2	WMSTDUMP	$srmdump service class

Table 585. Structure WMST (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
62	(3E)	UNSIGNED	2	WMSTBEST	$srmbest service class
64	(40)	SIGNED	4	WMSTSIC2	Internal service classes
64	(40)	UNSIGNED	2	WMSTGOOD	$srmgood service class
66	(42)	UNSIGNED	2	WMSTDISC	$srmdisc service class
68	(44)	SIGNED	4	WMSTSIC3	Internal service classes
68	(44)	UNSIGNED	2	WMSTQSC	$srmqsc service class
70	(46)	UNSIGNED	2	*	reserved
72	(48)	SIGNED	4	WMSTWLML	Length of contiguous structures. Valid for skeleton IPS and when in WLM mode.
76	(4C)	SIGNED	4	WMSTSIWL	WORK SET LOW LIMIT
80	(50)	SIGNED	4	WMSTSIWH	WORK SET HIGH LIMIT
84	(54)	CHARACTER	8	WMSTIPM	MSO SERVICE COEFFCIENT
92	(5C)	ADDRESS	4	WMSTDMDE	DMN TAB LAST NTRY ADR
96	(60)	SIGNED	2	WMSTWLHI	HIGHEST WORKLD LEV SP
96	(60)	SIGNED	2	WMSTSCLO	Lowest valid static external service class index
98	(62)	SIGNED	2	WMSTPGHI	HIGH PGN IN IPS & INSTALLATION CONTROL SPECIFICATION
98	(62)	SIGNED	2	WMSTSCHI	Highest valid static external service class index
100	(64)	SIGNED	2	WMSTPGPC	TOTAL PERIODS IN IPS & INSTALLATION CONTROL SPECIFICATION
102	(66)	SIGNED	2	WMSTDMNC	TOT DOMAIN COUNT
104	(68)	UNSIGNED	2	WMSTWLMG	WLM service class index for SYSSTC
106	(6A)	UNSIGNED	2	WMSTWLMB	WLM service class index for SYSTEM
108	(6C)	SIGNED	4	*	Reserved
112	(70)	BITSTRING	8	WMSTTOC	TIME OF NEWIPS SYSEVENT
112	(70)	SIGNED	2	*	RESERVED
114	(72)	SIGNED	2	*	RESERVED
116	(74)	SIGNED	2	WMSTSIPL	PAGE RATE LOW LIMIT
118	(76)	SIGNED	2	WMSTSIPH	PAGE RATE HIGH LIMIT
120	(78)	SIGNED	4	WMSTCPU	CPU SERVICE COEFFICIENT
124	(7C)	SIGNED	4	WMSTIOC	IOC SERVICE COEFFICIENT
128	(80)	SIGNED	4	WMSTMSO	MSO SERVICE COEFFICIENT
132	(84)	SIGNED	4	WMSTSRB	SRB SERVICE COEF.
136	(88)	UNSIGNED	1	WMSTREAL	REAL TIME INDICATOR
137	(89)	UNSIGNED	1	WMSTFLAG	WMST CONTROL FLAGS
		1...		*	reserved
		.1..		WMSTMS6	MS6 has seen this Wmst
		..1.		WMSTIOQ	QUEUE I/O BY DPRTY
		...1		WMSTSICM	COMMON STRG ISOLATION ACTIVE
		.... 1...		WMSTSIPG	PRIVATE STRG ISOLATION ACTIVE
		.... .1..		WMSTSIWS	COMMON WORK SET SPEC
		.... ..1.		WMSTSIPI	COMMON PAGE RATE SPEC

Table 585. Structure WMST (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		WMSTSIPS	INDICATES THAT A NEW WMST IS BEING BUILT BY IEEMB812 (SET IPS) PROCESSING AND THEREFORE THE NEWIPS SYSEVENT SHOULD CHECK TO INSURE THAT THE SYSTEM IS IN COMPATIBILITY MODE BEFORE ALLOWING THE NEWIPS TO BE PROCESSED
138	(8A)	SIGNED	2	WMSTNTU	NUMBER OF TUNITS/SEC
140	(8C)	ADDRESS	4	WMSTSET	SET PROCS ROUTINE ADDR
144	(90)	UNSIGNED	1	WMSTFLG2	FLAGS
		1...		WMSTDCTS	I/O SERVICE USES DEVICE CONNECT TIME RATHER THAN EXCP COUNTS
		.1..		WMST850E	IRA850E has been issued
		..1.		WMSTOVEL	Do not include I/O samples in velocity definition
		...1		WMSTREFR	Refresh the policy
		.... 1...		WMSTDAT	Dynamic alias tuning available on all systems
		.... .111		*	RESERVED
145	(91)	CHARACTER	3	WMSTRSV5	RESERVED
148	(94)	ADDRESS	4	WMSTNWST	SET PROCS NXT WMST ADR
152	(98)	SIGNED	2	WMSTMXPG	HIGHEST PGN IN IPS
154	(9A)	SIGNED	2	WMSTPERS	NUM OF PERIODS IN IPS
156	(9C)	CHARACTER	4	WMSTIPC	CPU SERVICE COEF.
160	(A0)	CHARACTER	4	WMSTIPI	I/O SERVICE COEF.
164	(A4)	CHARACTER	2	WMSTIPSS	Last valid IPS suffix used in compat mode or 00x
166	(A6)	CHARACTER	2	WMSTICSS	Last valid ICS suffix used in compat mode or 00x
168	(A8)	CHARACTER	4	WMSTIPB	SRB SERVICE COEF.
172	(AC)	ADDRESS	4	WMSTNPOL	Next Policy Address - Valid during policy instantiation only
176	(B0)	ADDRESS	4	WMSTCSTR	CSTR address (goal and compat)
180	(B4)	UNSIGNED	1	WMSTCSEQ	Classification sequence number (goal and compat)
181	(B5)	CHARACTER	1	*	Reserved
182	(B6)	UNSIGNED	2	WMSTUCPU	User specified CPU service coeff, scaled by 10
184	(B8)	UNSIGNED	2	WMSTUIOC	User specified IOC service coeff, scaled by 10
186	(BA)	UNSIGNED	2	WMSTUSRB	User specified SRB service coeff, scaled by 10
188	(BC)	UNSIGNED	4	WMSTUMSO	User specified MSO service coeff,scaled by 10000
192	(C0)	CHARACTER	0	WMSTEND	END OF WMST End of this block

Table 586. Constants for WMST

Len	Type	Value	Name	Description
4	DECIMAL	192	WMSTLEN	

WMST mapping

Table 587. Cross Reference for WMST

Name	Offset	Hex Tag
WMST	0	
WMSTBEST	3E	
WMSTCPU	78	
WMSTCSEQ	B4	
WMSTCSTR	B0	
WMSTDAT	90	08
WMSTDCTS	90	80
WMSTDISC	42	
WMSTDMDE	5C	
WMSTDMDS	1C	
WMSTDMDT	18	
WMSTDMNC	66	
WMSTDMVS	24	
WMSTDMVT	20	
WMSTDUMP	3C	
WMSTEND	C0	
WMSTFLAG	89	
WMSTFLG2	90	
WMSTGOOD	40	
WMSTICSS	A6	
WMSTID	4	
WMSTIOC	7C	
WMSTIOQ	89	20
WMSTIPB	A8	
WMSTIPC	9C	
WMSTIPI	A0	
WMSTIPM	54	
WMSTIPSS	A4	
WMSTMSO	80	
WMSTMS6	89	40
WMSTMXPG	98	
WMSTNAME	0	
WMSTNPOL	AC	
WMSTNTU	8A	
WMSTNWST	94	
WMSTOVEL	90	20
WMSTPERS	9A	
WMSTPGDS	14	
WMSTPGDT	10	
WMSTPGHI	62	
WMSTPGPC	64	
WMSTPGVS	C	
WMSTPGVT	8	
WMSTQSC	44	
WMSTREAL	88	
WMSTREFR	90	10
WMSTRSV5	91	
WMSTSCHI	62	
WMSTSCLO	60	

Table 587. Cross Reference for WMST (continued)

Name	Offset	Hex Tag
WMSTSCTS	14	
WMSTSET	8C	
WMSTSICM	89	10
WMSTSIC1	3C	
WMSTSIC2	40	
WMSTSIC3	44	
WMSTSIPG	89	08
WMSTSIPH	76	
WMSTSIPI	89	02
WMSTSIPL	74	
WMSTSIPS	89	01
WMSTSIWH	50	
WMSTSIWL	4C	
WMSTSIWS	89	04
WMSTSPTS	C	
WMSTSRB	84	
WMSTTOC	70	
WMSTTSGS	34	
WMSTTSGT	30	
WMSTTSPS	2C	
WMSTTSPT	28	
WMSTUCPU	B6	
WMSTUIOC	B8	
WMSTUMSO	BC	
WMSTUPGN	6	
WMSTUSRB	BA	
WMSTWLHI	60	
WMSTWLMB	6A	
WMSTWLMG	68	
WMSTWLML	48	
WMSTWMCT	38	
WMST850E	90	40

Chapter 166. WPL Information

WPL Programming Interface Information

WPL is a programming interface.

WPL Heading Information

Common Name:	WTO/WTOR/MLWTO/WTP PARAMETER LIST
Macro ID:	IEZWPL
DSECT Name:	WPLRF (DSECT CARD PRECEDES PREFIX). 'WPL' SHOULD BE THE LABEL FOR A USING STATEMENT FOR THE COMMON SECTION OF THE PARAMETER LIST. WPLFLGS. IF A WPX IS NOT USED, THIS AREA WILL FOLLOW THE MESSAGE TEXT.
Owning Component:	Console (SC1CK)
Eye-Catcher ID:	NONE
Storage Attributes:	Subpool: USER DEFINED SUBPOOL Key: USER KEY Residency: ABOVE OR BELOW THE 16M LINE
Size:	VARIABLE
Created by:	ISSUER OF WTO OR WTOR MACRO
Pointed to by:	REGISTER 1, WHEN WTO OR WTOR IS ISSUED
Serialization:	NONE
Function:	PROVIDES A MAPPING OF THE WTO/R MACRO PARAMETER LIST.

WPL mapping

Table 588. Structure WPLRF

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	WPLRF	, START OF WTOR PREFIX (24-BIT PARM LIST)
0	(0)	ADDRESS	4	WPLRPTR(0)	POINTER TO REPLY BUFFER
0	(0)	SIGNED	1	WPLRLN	MAXIMUM LENGTH OF REPLY
1	(1)	ADDRESS	3	WPLRPTRA	ADDRESS OF REPLY BUFFER
4	(4)	ADDRESS	4	WPLRECB	ADDRESS OF REPLY ECB
	WTOR PREFIX (31-BIT PARAMETER LIST)				
0	(0)	X'0'	0	WPL31RF	"*" START OF WTOR PREFIX (31-BIT PARM LIST)
0	(0)	ADDRESS	4	WPL31RRP	ADDRESS OF REPLY BUFFER
		1...		WPL31RFG	"X'80'" INDICATES A WTOR
4	(4)	ADDRESS	4	WPL31REP	ADDRESS OF REPLY ECB
	COMMON SECTION IF THE TEXT PARAMETER IS SPECIFIED INSTEAD OF INLINE MESSAGE TEXT, THE VALUE OF WPLLPTXT WILL ONLY REFLECT THE 4 BYTE LENGTH OF THE POINTER.				
0	(0)	X'0'	0	WPL	"*" START OF COMMON SECTION

Table 588. Structure WPLRF (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	SIGNED	2	WPLLGH(0)	FOR A 24-BIT WTOR PARMLIST, THIS IS THE MESSAGE LENGTH (COMBINED LENGTH OF MSG TEXT, MSG LENGTH FIELD AND MCS FLAGS FIELD)
0	(0)	SIGNED	1	WPL31RLN	IF WPL IS FOR A 31-BIT WTOR PARMLIST, THIS IS THE LENGTH OF THE REPLY BUFFER. OTHERWISE, THIS FIELD MUST BE ZERO
1	(1)	SIGNED	1	WPLLPTXT	MESSAGE LENGTH (COMBINED LENGTH OF MSG TEXT, MSG LENGTH FIELD AND MCS FLAGS FIELD
MCS FLAGS CHANGES TO THE MCS FLAGS WILL ALSO IMPACT THE MCS FLAGS IN IHAWQE AND IHACTM					
2	(2)	BITSTRING	2	WPLMCSF(0)	MCS FLAGS
2	(2)	BITSTRING	1	WPLMCSF1	FIRST BYTE OF MCS FLAGS
	1...			WPLMCSFA	"BIT0" ROUTE/DESCRIPTOR CODE FIELDS PRESENT
	.1..			WPLMCSFB	"BIT1" Reserved (was queue to console). Use WPXCONS instead
	..1.			WPLMCSFC	"BIT2" COMMAND RESPONSE
	...1			WPLMCSFD	"BIT3" MESSAGE TYPE FIELD EXISTS
	.... 1...			WPLMCSFE	"BIT4" THIS WPL IS A REPLY TO A WTOR
	.... .1..			WPLMCSFF	"BIT5" BROADCAST THIS MSG TO ALL ACTIVE CONSOLES
	.... ..1.			WPLMCSFG	"BIT6" QUEUE TO HARD COPY ONLY
	1			WPLMCSFH	"BIT7" Reserved (was queue unconditionally to console). Use WPXCONS instead
3	(3)	BITSTRING	1	WPLMCSF2	SECOND BYTE OF MCS FLAGS
	1...			WPLMCSFI	"BIT0" DO NOT TIME STAMP THIS MESSAGE
	.1..			WPLMCSFJ	"BIT1" MLWTO INDICATOR
	..1.			WPLMCSFK	"BIT2" PRIMARY SUBSYSTEM USE ONLY JES3: DO NOT LOG MINOR WQE'S IF THE MAJOR IS NOT HARDCOPIED. JES2: NOT USED
	...1			WPLMCSFL	"BIT3" EXTENDED WPL FORMAT (WPX) EXISTS
	.... 1...			WPLMCSFM	"BIT4" THE MESSAGE IS AN OPERATOR COMMAND
	.... .1..			WPLMCSFN	"BIT5" BYPASS QUEUING MESSAGE TO HARD COPY
	.... ..1.			WPLMCSFO	"BIT6" WQEBLK KEYWORD SPECIFIED
	1			WPLRSV01	"BIT7" RESERVED
MESSAGE TEXT					
4	(4)	CHARACTER	126	WPLTXT(0)	MESSAGE TEXT (MAXIMUM 126 CHARACTERS)
4	(4)	CHARACTER	4	WPLADTXT(0)	MESSAGE TEXT ADDRESS (IF TEXT KEYWORD IS SPECIFIED, THIS FIELD WILL BE GENERATED, EVEN IF THE LINE TYPE IS '10'X)

Table 588. Structure WPLRF (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
4	(4)	CHARACTER	125		MESSAGE TEXT
129	(81)	CHARACTER	1	WPLTXTL	LAST BYTE OF MESSAGE TEXT
		THE FOLLOWING FIELDS BEGIN IMMEDIATELY FOLLOWING THE LAST BYTE OF MESSAGE TEXT IF NO WPX WAS CREATED. IF A WPX WAS CREATED, WPLFLGS IS NOT USED.			
0	(0)	X'0'	0	WPLFLGS	"*" START OF WPL FLAGS FIELDS
		DESCRIPTOR CODES			
0	(0)	BITSTRING	2	WPLDESC(0)	DESCRIPTOR CODES
0	(0)	BITSTRING	1	WPLDESC1	FIRST BYTE OF DESCRIPTOR CODES
		1...		WPLDESCA	"BIT0" SYSTEM FAILURE MESSAGE
		.1..		WPLDESCB	"BIT1" IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WPLDESCC	"BIT2" IMPORTANT INFORMATION MESSAGE
		...1		WPLDESCD	"BIT3" SYSTEM STATUS MESSAGE
		.... 1...		WPLDESCE	"BIT4" IMMEDIATE COMMAND RESPONSE MESSAGE
		.... .1..		WPLDESCF	"BIT5" JOB STATUS MESSAGE
		.... ..1.		WPLDESCG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE OR DELETE AT TASK TERMINATION
		1		WPLDESCH	"BIT7" OUT-OF-LINE MESSAGE
1	(1)	BITSTRING	1	WPLDESC2	SECOND BYTE OF DESCRIPTOR CODES
		1...		WPLDESCI	"BIT0" OPERATOR'S REQUEST
		.1..		WPLDESCJ	"BIT1" Reserved (was TRACK cmd response)
		..1.		WPLDESCK	"BIT2" CRITICAL EVENTUAL ACTION REQUIRED
		...1		WPLDESCL	"BIT3" IMPORTANT INFORMATION MESSAGE
		.... 1...		WPLDESCM	"BIT4" PREVIOUSLY AUTOMATED
		.... .1..		WPLRSV10	"BIT5,,C'X'" RESERVED
		.... ..1.		WPLRSV11	"BIT6,,C'X'" RESERVED
		1		WPLRSV12	"BIT7,,C'X'" RESERVED
		ROUTING CODES			
2	(2)	BITSTRING	2	WPLROUT(0)	ROUTING CODES THESE CODES INDICATE THE FUNCTIONAL AREA OR AREAS TO WHICH A MESSAGE IS TO BE SENT.
2	(2)	BITSTRING	1	WPLROUT1	1ST BYTE OF ROUTING CODES
		1...		WPLROUTA	"BIT0" Primary Console Action
		.1..		WPLROUTB	"BIT1" Primary Console Information
		..1.		WPLROUTC	"BIT2" TAPE POOL
		...1		WPLROUTD	"BIT3" DIRECT ACCESS POOL
		.... 1...		WPLROUTE	"BIT4" TAPE LIBRARY
		.... .1..		WPLROUTF	"BIT5" DISK LIBRARY
		.... ..1.		WPLROUTG	"BIT6" UNIT RECORD POOL
		1		WPLROUTH	"BIT7" TELEPROCESSING CONTROL
3	(3)	BITSTRING	1	WPLROUT2	2ND BYTE OF ROUTING CODES
		1...		WPLROUTI	"BIT0" SYSTEM SECURITY

Table 588. Structure WPLRF (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		WPLROUTJ	"BIT1" SYSTEM/ERROR MAINTENANCE
		..1.		WPLROUTK	"BIT2" PROGRAMMER INFORMATION
		...1		WPLROUTL	"BIT3" EMULATOR INFORMATION
		.... 1...		WPLROUTM	"BIT4" USER ROUTING CODE
		.... .1..		WPLROUTN	"BIT5" USER ROUTING CODE
		.... ..1.		WPLROUTO	"BIT6" USER ROUTING CODE
		1		WPLROUTP	"BIT7" USER ROUTING CODE
MESSAGE TYPE FLAGS					
4	(4)	BITSTRING	2	WPLMSGTY(0)	MESSAGE TYPE FLAGS
4	(4)	BITSTRING	1	WPLMSGT1	FIRST BYTE OF MESSAGE TYPE FLAGS
		1...		WPLMSGTA	"BIT0" MONITOR JOBNAMES
		.1..		WPLMSGTB	"BIT1" MONITOR STATUS
		..1.		WPLMSGTC	"BIT2" RESERVED
		...1		WPLRSV33	"BIT3" Reserved (Was WPLMSGTD for QID)
		.... 1...		WPLRSV14	"BIT4,,C'X'" RESERVED
		.... .1..		WPLMSGTF	"BIT5" MONITOR SESS
		.... ..1.		WPLRSV15	"BIT6,,C'X'" RESERVED
		1		WPLRSV16	"BIT7,,C'X'" RESERVED
5	(5)	BITSTRING	1	WPLMSGT2	SECOND BYTE OF MESSAGE TYPE FLAGS
		1...		WPLRSV25	"BIT0,,C'X'" RESERVED
		.1..		WPLRSV26	"BIT1,,C'X'" RESERVED
		..1.		WPLRSV27	"BIT2,,C'X'" RESERVED
		...1		WPLRSV28	"BIT3,,C'X'" RESERVED
		.... 1...		WPLRSV29	"BIT4,,C'X'" RESERVED
		.... .1..		WPLRSV30	"BIT5,,C'X'" RESERVED
		.... ..1.		WPLRSV31	"BIT6,,C'X'" RESERVED
		1		WPLRSV32	"BIT7,,C'X'" RESERVED
6	(6)	SIGNED	2	WPLRSV34	RESERVED (was WPLQID for QID)
MLWTO EXTENSION THE FOLLOWING FIELDS ARE ALWAYS PRESENT WHEN MLWTO IS SPECIFIED IF A WPX IS GENERATED, THESE FIELDS WILL FOLLOW THE WPX					
LINE TYPE FLAGS					
0	(0)	CHARACTER	4	WPLLS01(0)	
0	(0)	BITSTRING	2	WPLLTF(0)	LINE TYPE FLAGS FOR WPLTXT
0	(0)	BITSTRING	1	WPLLTF1	1ST BYTE OF WPLTXT LINE TYPE FLAGS
		1...		WPLLTFA	"BIT0" CONTROL LINE
		.1..		WPLLTFB	"BIT1" LABEL LINE
		..1.		WPLLTFC	"BIT2" DATA LINE
		...1		WPLLTFD	"BIT3" END LINE
		.... 1...		WPLRSV17	"BIT4,,C'X'" RESERVED (bit used in MDB)
		.... .1..		WPLLTFF	"BIT5" Reserved for IBM use.
		.... ..1.		WPLRSV19	"BIT6,,C'X'" RESERVED
		1		WPLRSV20	"BIT7,,C'X'" RESERVED
1	(1)	BITSTRING	1	WPLLTF2	2ND BYTE OF WPLTXT LINE TYPE FLAGS
2	(2)	CHARACTER	1	WPLAREA	AREA IDENTIFICATION

Table 588. Structure WPLRF (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
3	(3)	SIGNED	1	WPLLINES	NUMBER OF LINES (1 + NUMBER OF WPLMLTXT LINES)
3	(3)	X'4'	0	WPLMLEXL	"*-WPLLTF" LENGTH OF MLWTO EXTENTION
		THE FOLLOWING FIELDS ARE OPTIONAL FOR MLWTO. THEY REPRESENT A MAPPING OF THE ENTRIES DESCRIBING MESSAGE TEXT LINES CREATED IN ADDITION TO THE WPLTXT MESSAGE TEXT LINE			
0	(0)	X'0'	0	WPLML	"*" START OF ADDITIONAL MLWTO LINE ENTRY
0	(0)	SIGNED	1	WPLML0	ALWAYS ZERO
1	(1)	SIGNED	1	WPLMLLEN	MESSAGE LENGTH FOR THIS LINE (LENGTH OF MESSAGE TEXT + 4)
		LINE TYPE FLAGS FOR WPLMLTXT			
2	(2)	BITSTRING	2	WPLMLLTF(0)	TYPE FLAGS FOR THIS LINE (WPLMLTXT)
2	(2)	BITSTRING	1	WPLMLLT1	1ST BYTE OF LINE TYPE FLAGS FOR WPLMLTXT
		1...		WPLMLLTA	"BIT0" CONTROL LINE
		.1..		WPLMLLTB	"BIT1" LABEL LINE
		..1.		WPLMLLTC	"BIT2" DATA LINE
		...1		WPLMLLTD	"BIT3" END LINE
		.... 1...		WPLRSV21	"BIT4,,C'X'" RESERVED (bit used in MDB)
		.... .1..		WPLMLLTV	"BIT5" Reserved for IBM use.
		.... ..1.		WPLRSV23	"BIT6,,C'X'" RESERVED
		1		WPLRSV24	"BIT7,,C'X'" RESERVED
3	(3)	BITSTRING	1	WPLMLLT2	2ND BYTE OF LINE TYPE FLAGS FOR WPLMLTXT
4	(4)	CHARACTER	72	WPLMLTXT(0)	MESSAGE TEXT FOR THIS LINE (MAXIMUM 72 CHARACTERS)
4	(4)	CHARACTER	4	WPLMLADT(0)	MESSAGE TEXT ADDRESS (IF TEXT KEYWORD IS SPECIFIED, THIS FIELD WILL BE GENERATED, EVEN IF THE LINE TYPE IS '10'X)
4	(4)	CHARACTER	72		INLINE MESSAGE TEXT
		THE FOLLOWING IS THE DECLARATION OF THE WPX WHICH IS BUILT FOLLOWING THE TEXT WHEN MCS FLAG WPLMCSFL IS ON.			
0	(0)	X'0'	0	WPX	"*" START OF WPL EXTENSION
0	(0)	ADDRESS	1	WPXVRSN	VERSION LEVEL
0	(0)	X'1'	0	WPXS220	"1" LEVEL OS/VS2 JBB2220
0	(0)	X'2'	0	WPXS410	"2" LEVEL HBB4410
0	(0)	X'3'	0	WPXS422	"3" LEVEL JBB4422
0	(0)	X'4'	0	WPXS603	"4" LEVEL HBB6603
0	(0)	X'4'	0	WPXVERN	"WPXS603" CURRENT VERSION LEVEL
		Subsystem Flags			
1	(1)	BITSTRING	1	WPXFLAGS	Subsystem Flags
		1...		WPXRSV69	"BIT0" Reserved (was WPXMPFSP for suppressed by MPF)
		.1..		WPXRSV70	"BIT1" Reserved (was WPXMPFPR for not be be suppressed)

Table 588. Structure WPLRF (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		WPXNMOD	"BIT2" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
2	(2)	ADDRESS	1	WPXRPYLN	LENGTH OF REPLY BUFFER
3	(3)	ADDRESS	1	WPXLNGTH	LENGTH OF WPX
EXTENDED MCS FLAGS CHANGES TO THE EXTENDED MCS FLAGS WILL ALSO IMPACT THE EXTENDED MCS FLAGS IN IHAWQE AND IHACTM					
4	(4)	BITSTRING	2	WPXMCSF1(0)	EXTENDED MCS FLAGS
4	(4)	BITSTRING	1	WPXMCS1	FIRST BYTE OF EXTENDED MCS FLAGS
		1...		WPXRSV68	"BIT0" Reserved (was WPXBUSY for BUSYEXIT)
		.1..		WPXCONS	"BIT1" FOUR BYTE CONSOLE ID WAS SPECIFIED
		..1.		WPXRSV71	"BIT2" Reserved - Was WPXDOMI
		...1		WPXCONN	"BIT3" CONNECT ID WAS SPECIFIED
		.... 1...		WPXWTOR	"BIT4" WTOR WITH EXTENDED PARM LIST
		.... .1..		WPXRSV72	"BIT5" Reserved - Was WPXPRIO
		.... ..1.		WPXCNM	"BIT6" CONSOLE NAME WAS SPECIFIED
5	(5)	BITSTRING	1	WPXMCS2	2ND BYTE OF EXTENDED MCS FLAGS
		1...		WPXTXTAD	"BIT0" TEXT ADDRESS WAS SPECIFIED
		.1..		WPXRSV1A	"BIT1" RESERVED
		..1.		WPXRSV48	"BIT2" RESERVED
		...1		WPXRSV49	"BIT3" RESERVED
		.... 1...		WPXRSV50	"BIT4" RESERVED
		.... .1..		WPXSYNC	"BIT5" PROCESS SYNCHRONOUS WITH RESPECT TO THE CALLER
		.... ..1.		WPXRSV51	"BIT6" RESERVED
		1		WPXRSV52	"BIT7" RESERVED
6	(6)	BITSTRING	2	WPXCPFLG(0)	FLAGS FOR CONTROL PROGRAM USE ONLY
6	(6)	BITSTRING	1	WPXCPFL1	FLAGS FOR CONTROL PROGRAM USE BYTE1
		1...		WPXRROK	"BIT0" RESTART RESOURCE IS NOT TO BE OBTAINED
		.1..		WPXNOHO	"BIT1" DON'T HOLD THE MESSAGE FOR TEN SECONDS
		..1.		WPXNLCK	"BIT2" DO NOT ATTEMPT TO OBTAIN ANY LOCKS
		...1		WPXACLW	"BIT3" USE ALTERNATE CPU LOADWAIT PATH
		.... 1...		WPXSPVD	"BIT4" SUPER PRIVILEDGED
		.... .1..		WPXQNLY	"BIT5" MESSAGE GOES ONLY TO CONSOLE
		.... ..1.		WPXRSV56	"BIT6" RESERVED
		1		WPXRSV57	"BIT7" RESERVED
7	(7)	BITSTRING	1	WPXCPFL2	FLAGS FOR CONTROL PROGRAM USE BYTE2
		1...		WPXRSV60	"BIT0" RESERVED
		.1..		WPXRSV61	"BIT1" RESERVED

Table 588. Structure WPLRF (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		WPXRSV62	"BIT2" RESERVED
		...1		WPXRSV63	"BIT3" RESERVED
		.... 1...		WPXRSV64	"BIT4" RESERVED
		.... .1..		WPXRSV65	"BIT5" RESERVED
		.... ..1.		WPXRSV66	"BIT6" RESERVED
		1		WPXRSV67	"BIT7" RESERVED
8	(8)	ADDRESS	4	WPXRPBUF	REPLY BUFFER ADDRESS
12	(C)	ADDRESS	4	WPXECBP	REPLY ECB ADDRESS
16	(10)	SIGNED	4	WPXSEQN(0)	DOM/CONNECT ID
16	(10)	ADDRESS	1	WPXSYSID	SYSTEM ID
17	(11)	ADDRESS	3	WPXSQID	DOM SEQUENCE NUMBER
DESCRIPTOR CODES					
20	(14)	BITSTRING	4	WPXDESC(0)	DESCRIPTOR CODES
20	(14)	BITSTRING	1	WPXDESC1	FIRST BYTE OF DESCRIPTOR CODES
		1...		WPXDESCA	"BIT0" SYSTEM FAILURE MESSAGE
		.1..		WPXDESCB	"BIT1" IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WPXDESCC	"BIT2" EVENTUAL ACTION REQUIRED MESSAGE
		...1		WPXDESCD	"BIT3" SYSTEM STATUS MESSAGE
		.... 1...		WPXDESCE	"BIT4" IMMEDIATE COMMAND RESPONSE MESSAGE
		.... .1..		WPXDESCF	"BIT5" JOB STATUS MESSAGE
		.... ..1.		WPXDESCG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE OR DELETE AT TASK TERMINATION
		1		WPXDESCH	"BIT7" OUT-OF-LINE MESSAGE
21	(15)	BITSTRING	1	WPXDESC2	SECOND BYTE OF DESCRIPTOR CODES
		1...		WPXDESCI	"BIT0" OPERATOR'S REQUEST
		.1..		WPXDESCJ	"BIT1" Reserved (was TRACK cmd response)
		..1.		WPXDESCK	"BIT2" CRITICAL EVENTUAL ACTION REQUIRED
		...1		WPXDESCL	"BIT3" DELIVERED BUT NOT HELD
		.... 1...		WPXRSV4	"BIT4,,C'X'" RESERVED
		.... .1..		WPXRSV5	"BIT5,,C'X'" RESERVED
		.... ..1.		WPXRSV6	"BIT6,,C'X'" RESERVED
		1		WPXRSV7	"BIT7,,C'X'" RESERVED
22	(16)	BITSTRING	1	WPXDESC3	RESERVED
23	(17)	BITSTRING	1	WPXDESC4	RESERVED
128 ROUTING CODES					
24	(18)	BITSTRING	16	WPXROUT(0)	ROUTING CODES THESE CODES INDICATE THE FUNCTIONAL AREA OR AREAS TO WHICH A MESSAGE IS TO BE SENT.
24	(18)	BITSTRING	1	WPXR001	1ST BYTE OF ROUTING CODES
		1...		WPXR01	"BIT0" Primary Console Action
		.1..		WPXR02	"BIT1" Primary Console Information
		..1.		WPXR03	"BIT2" TAPE POOL
		...1		WPXR04	"BIT3" DIRECT ACCESS POOL

Table 588. Structure WPLRF (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		WPXR05	"BIT4" TAPE LIBRARY
		.... .1..		WPXR06	"BIT5" DISK LIBRARY
		.... ..1.		WPXR07	"BIT6" UNIT RECORD POOL
		1		WPXR08	"BIT7" TELEPROCESSING CONTROL
25	(19)	BITSTRING	1	WPXR002	2ND BYTE OF ROUTING CODES
		1...		WPXR09	"BIT0" SYSTEM SECURITY
		.1..		WPXR10	"BIT1" SYSTEM/ERROR MAINTENANCE
		..1.		WPXR11	"BIT2" PROGRAMMER INFORMATION
		...1		WPXR12	"BIT3" EMULATOR INFORMATION
		.... 1...		WPXR13	"BIT4" USER ROUTING CODE
		.... .1..		WPXR14	"BIT5" USER ROUTING CODE
		.... ..1.		WPXR15	"BIT6" USER ROUTING CODE
		1		WPXR16	"BIT7" USER ROUTING CODE
26	(1A)	BITSTRING	1	WPXR003	3RD BYTE OF ROUTING CODES
27	(1B)	BITSTRING	1	WPXR004	4TH BYTE OF ROUTING CODES
28	(1C)	BITSTRING	1	WPXR005	5TH BYTE OF ROUTING CODES
29	(1D)	BITSTRING	1	WPXR006	6TH BYTE OF ROUTING CODES
30	(1E)	BITSTRING	1	WPXR007	7TH BYTE OF ROUTING CODES
31	(1F)	BITSTRING	1	WPXR008	8TH BYTE OF ROUTING CODES
32	(20)	BITSTRING	1	WPXR009	9TH BYTE OF ROUTING CODES
33	(21)	BITSTRING	1	WPXR010	10TH BYTE OF ROUTING CODES
34	(22)	BITSTRING	1	WPXR011	11TH BYTE OF ROUTING CODES
35	(23)	BITSTRING	1	WPXR012	12TH BYTE OF ROUTING CODES
36	(24)	BITSTRING	1	WPXR013	13TH BYTE OF ROUTING CODES
37	(25)	BITSTRING	1	WPXR014	14TH BYTE OF ROUTING CODES
38	(26)	BITSTRING	1	WPXR015	15TH BYTE OF ROUTING CODES
39	(27)	BITSTRING	1	WPXR016	16TH BYTE OF ROUTING CODES
MESSAGE TYPE FLAGS					
40	(28)	BITSTRING	2	WPXMSGTY(0)	MESSAGE TYPE FLAGS
40	(28)	BITSTRING	1	WPXMSGT1	FIRST BYTE OF MESSAGE TYPE FLAGS
		1...		WPXMSGTA	"BIT0" MONITOR JOBNAMES
		.1..		WPXMSGTB	"BIT1" MONITOR STATUS
		..1.		WPXRSV9	"BIT2,,C'X'" RESERVED
		...1		WPXRSV10	"BIT3,,C'X'" RESERVED
		.... 1...		WPXRSV11	"BIT4,,C'X'" RESERVED
		.... .1..		WPXMSGTF	"BIT5" MONITOR SESS
		.... ..1.		WPXRSV12	"BIT6,,C'X'" RESERVED
		1		WPXRSV13	"BIT7,,C'X'" RESERVED
41	(29)	BITSTRING	1	WPXMSGT2	SECOND BYTE OF MESSAGE TYPE FLAGS
		1...		WPXRSV14	"BIT0,,C'X'" RESERVED
		.1..		WPXRSV15	"BIT1,,C'X'" RESERVED
		..1.		WPXRSV16	"BIT2,,C'X'" RESERVED
		...1		WPXRSV17	"BIT3,,C'X'" RESERVED
		.... 1...		WPXRSV18	"BIT4,,C'X'" RESERVED
		.... .1..		WPXRSV19	"BIT5,,C'X'" RESERVED
		.... ..1.		WPXRSV20	"BIT6,,C'X'" RESERVED
		1		WPXRSV21	"BIT7,,C'X'" RESERVED
42	(2A)	ADDRESS	2	WPXRSV73	Reserved - Was WPXPRTY
44	(2C)	CHARACTER	8	WPXJOBID	JOB ID
52	(34)	CHARACTER	8	WPXJOBNM	JOBNAME

Table 588. Structure WPLRF (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
60	(3C)	CHARACTER	8	WPXKEY	RETRIEVAL KEY
68	(44)	ADDRESS	4	WPXTOKN	TOKEN FOR DOM
72	(48)	ADDRESS	4	WPXCNID	CONSOLE ID
76	(4C)	CHARACTER	8	WPXSYSNA	SYSTEM NAME
84	(54)	CHARACTER	8	WPXCNNME	CONSOLE NAME
92	(5C)	ADDRESS	4	WPXRCNA	ADDRESS OF 12 BYTE FIELD FOR REPLYING CONSOLE NAME/ID
96	(60)	ADDRESS	4	WPXCART	ADDRESS OF CART
100	(64)	ADDRESS	4	WPXWSPRM	ADDRESS OF WAIT STATE PARM LIST
104	(68)	ADDRESS	4	WPXASCB	ASCB ADDRESS
108	(6C)	CHARACTER	16	WPXRSV30	RESERVED
108	(6C)	X'7C'	0	WPXLEN	"*-WPX" LENGTH OF THE WPX
108	(6C)	X'68'	0	WPX2LEN	"104" LENGTH OF VERSION 2 WPX
108	(6C)	X'7C'	0	WPX4LEN	"124" LENGTH OF VERSION 4 WPX

Table 589. Cross Reference for WPL

Name	Offset	Hex Tag
WPL	0	0
WPLADTXT	4	
WPLAREA	2	
WPLDESC	0	
WPLDESCA	0	80
WPLDESCB	0	40
WPLDESCC	0	20
WPLDESCD	0	10
WPLDESCE	0	8
WPLDESCF	0	4
WPLDESCG	0	2
WPLDESCH	0	1
WPLDESCI	1	80
WPLDESCJ	1	40
WPLDESCK	1	20
WPLDESCL	1	10
WPLDESCM	1	8
WPLDESC1	0	
WPLDESC2	1	
WPLFLGS	0	0
WPLLGH	0	
WPLLINES	3	
WPLLPTXT	1	
WPLLS01	0	
WPLLTF	0	
WPLLTFA	0	80
WPLLTFB	0	40
WPLLTFC	0	20
WPLLTFD	0	10
WPLLTFF	0	4
WPLLTF1	0	

Table 589. Cross Reference for WPL (continued)

Name	Offset	Hex Tag
WPLLTF2	1	
WPLMCSF	2	
WPLMCSFA	2	80
WPLMCSFB	2	40
WPLMCSFC	2	20
WPLMCSFD	2	10
WPLMCSFE	2	8
WPLMCSFF	2	4
WPLMCSFG	2	2
WPLMCSFH	2	1
WPLMCSFI	3	80
WPLMCSFJ	3	40
WPLMCSFK	3	20
WPLMCSFL	3	10
WPLMCSFM	3	8
WPLMCSFN	3	4
WPLMCSFO	3	2
WPLMCSF1	2	
WPLMCSF2	3	
WPLML	0	0
WPLMLADT	4	
WPLMLEXL	3	4
WPLMLLEN	1	
WPLMLLTA	2	80
WPLMLLTB	2	40
WPLMLLTC	2	20
WPLMLLTD	2	10
WPLMLLTF	2	
WPLMLLTV	2	4
WPLMLLT1	2	
WPLMLLT2	3	
WPLMLTXT	4	
WPLML0	0	
WPLMSGTA	4	80
WPLMSGTB	4	40
WPLMSGTC	4	20
WPLMSGTF	4	4
WPLMSGTY	4	
WPLMSGT1	4	
WPLMSGT2	5	
WPLRECB	4	
WPLRF	0	
WPLRLN	0	
WPLROUT	2	
WPLROUTA	2	80
WPLROUTB	2	40
WPLROUTC	2	20
WPLROUTD	2	10
WPLROUTE	2	8

Table 589. Cross Reference for WPL (continued)

Name	Offset	Hex Tag
WPLROUTF	2	4
WPLROUTG	2	2
WPLROUTH	2	1
WPLROUTI	3	80
WPLROUTJ	3	40
WPLROUTK	3	20
WPLROUTL	3	10
WPLROUTM	3	8
WPLROUTN	3	4
WPLROUTO	3	2
WPLROUTP	3	1
WPLROUT1	2	
WPLROUT2	3	
WPLRPTR	0	
WPLRPTRA	1	
WPLRSV01	3	1
WPLRSV10	1	4
WPLRSV11	1	2
WPLRSV12	1	1
WPLRSV14	4	8
WPLRSV15	4	2
WPLRSV16	4	1
WPLRSV17	0	8
WPLRSV19	0	2
WPLRSV20	0	1
WPLRSV21	2	8
WPLRSV23	2	2
WPLRSV24	2	1
WPLRSV25	5	80
WPLRSV26	5	40
WPLRSV27	5	20
WPLRSV28	5	10
WPLRSV29	5	8
WPLRSV30	5	4
WPLRSV31	5	2
WPLRSV32	5	1
WPLRSV33	4	10
WPLRSV34	6	
WPLTXT	4	
WPLTXTL	81	
WPL31REP	4	
WPL31RF	0	0
WPL31RFG	0	80
WPL31RLN	0	
WPL31RRP	0	
WPX	0	0
WPXACLW	6	10
WPXASCB	68	
WPXCART	60	

Table 589. Cross Reference for WPL (continued)

Name	Offset	Hex Tag
WPXCNID	48	
WPXCNM	4	2
WPXCNNME	54	
WPXCONN	4	10
WPXCONS	4	40
WPXCPFLG	6	
WPXCPFL1	6	
WPXCPFL2	7	
WPXDESC	14	
WPXDESCA	14	80
WPXDESCB	14	40
WPXDESCC	14	20
WPXDESCD	14	10
WPXDESCE	14	8
WPXDESCF	14	4
WPXDESCG	14	2
WPXDESCH	14	1
WPXDESCI	15	80
WPXDESCJ	15	40
WPXDESCK	15	20
WPXDESCL	15	10
WPXDESC1	14	
WPXDESC2	15	
WPXDESC3	16	
WPXDESC4	17	
WPXECBP	C	
WPXFLAGS	1	
WPXJOBID	2C	
WPXJOBNM	34	
WPXKEY	3C	
WPXLEN	6C	7C
WPXLNGTH	3	
WPXMCSF1	4	
WPXMCS1	4	
WPXMCS2	5	
WPXMSGTA	28	80
WPXMSGTB	28	40
WPXMSGTF	28	4
WPXMSGTY	28	
WPXMSGT1	28	
WPXMSGT2	29	
WPXNLCK	6	20
WPXNMOD	1	20
WPXNOHO	6	40
WPXQNLY	6	4
WPXRCNA	5C	
WPXROUT	18	
WPXRPBUF	8	
WPXRPYLN	2	

Table 589. Cross Reference for WPL (continued)

Name	Offset	Hex Tag
WPXRROK	6	80
WPXRSV1A	5	40
WPXRSV10	28	10
WPXRSV11	28	8
WPXRSV12	28	2
WPXRSV13	28	1
WPXRSV14	29	80
WPXRSV15	29	40
WPXRSV16	29	20
WPXRSV17	29	10
WPXRSV18	29	8
WPXRSV19	29	4
WPXRSV20	29	2
WPXRSV21	29	1
WPXRSV30	6C	
WPXRSV4	15	8
WPXRSV48	5	20
WPXRSV49	5	10
WPXRSV5	15	4
WPXRSV50	5	8
WPXRSV51	5	2
WPXRSV52	5	1
WPXRSV56	6	2
WPXRSV57	6	1
WPXRSV6	15	2
WPXRSV60	7	80
WPXRSV61	7	40
WPXRSV62	7	20
WPXRSV63	7	10
WPXRSV64	7	8
WPXRSV65	7	4
WPXRSV66	7	2
WPXRSV67	7	1
WPXRSV68	4	80
WPXRSV69	1	80
WPXRSV7	15	1
WPXRSV70	1	40
WPXRSV71	4	20
WPXRSV72	4	4
WPXRSV73	2A	
WPXRSV9	28	20
WPXR001	18	
WPXR002	19	
WPXR003	1A	
WPXR004	1B	
WPXR005	1C	
WPXR006	1D	
WPXR007	1E	
WPXR008	1F	

Table 589. Cross Reference for WPL (continued)

Name	Offset	Hex Tag
WPXR009	20	
WPXR01	18	80
WPXR010	21	
WPXR011	22	
WPXR012	23	
WPXR013	24	
WPXR014	25	
WPXR015	26	
WPXR016	27	
WPXR02	18	40
WPXR03	18	20
WPXR04	18	10
WPXR05	18	8
WPXR06	18	4
WPXR07	18	2
WPXR08	18	1
WPXR09	19	80
WPXR10	19	40
WPXR11	19	20
WPXR12	19	10
WPXR13	19	8
WPXR14	19	4
WPXR15	19	2
WPXR16	19	1
WPXSEQN	10	
WPXSPVD	6	8
WPXSQID	11	
WPXSYNC	5	4
WPXSYSID	10	
WPXSYSNA	4C	
WPXS220	0	1
WPXS410	0	2
WPXS422	0	3
WPXS603	0	4
WPXTOKN	44	
WPXTXTAD	5	80
WPXVERN	0	4
WPXVRSN	0	
WPXWSPRM	64	
WPXWTOR	4	8
WPX2LEN	6C	68
WPX4LEN	6C	7C

Chapter 167. WQE Information

WQE Programming Interface Information

WQE is a programming interface.

WQE Heading Information

Common Name:	WRITE-TO-OPERATOR QUEUE ELEMENT (WQE) DEFINITIONS
Macro ID:	IHAWQE
DSECT Name:	WQE, WQEMAJ, WQEMIN
Owning Component:	CONSOLE (SC1CK)
Eye-Catcher ID:	WQE Offset: +160x Length: 4
Storage Attributes:	Subpool: 229(CONSOLE PRIVATE AFTER SVC 35 PROCESSING), 239(WTO BRANCH ENTRY), 0(WTO/R ISSUERS SPACE DURING SVC 35 PROCESSING) Key: 0 Residency: 31-bit storage
Size:	464 BYTES
Created by:	CNZS1WTO, CNZQ1SLG, CNZQ1DCQ, IEAVBWTO, IEAVBNLK NOTE: JES3 DEPENDS ON THE LENGTHS OF THE MAJOR AND MINOR WQES BEING EQUAL.
Pointed to by:	ORERWQE - ORE DATA AREA SSWTWQE - SSOB DATA AREA (MAJOR WQE) SSWTMIN - SSOB DATA AREA (MINOR WQE) UCMWTOQ - UCM DATA AREA (FIRST WQE) UCMWQEND - UCM DATA AREA (LAST WQE) CQEWQEA - CQE DATA AREA WQELKP - WQE DATA AREA (NEXT WQE) WMNMNX2 - MINOR WQE DATA AREA (NEXT MINOR WQE) WMJMMIN - MAJOR WQE DATA AREA (FIRST MINOR WQE)
Serialization:	LOCAL AND CMS LOCKS
Function:	A WQE IS CREATED FOR EVERY WTO/WTOR REQUEST. IT CONTAINS INFORMATION ABOUT THE WTO/WTOR ISSUER, ROUTING INSTRUCTIONS AND MESSAGE TEXT.

WQE mapping

Table 590. Structure WQE

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	WQE	
0	(0)	ADDRESS	4	WQELKP	LINKAGE POINTER
4	(4)	SIGNED	4	WQENBR(0)	MESSAGE LENGTH (CCW COUNT FIELD)
4	(4)	SIGNED	2		NOT TO BE USED
6	(6)	SIGNED	2	WQETXTLN	ACTUAL TEXT LENGTH
8	(8)	SIGNED	2	WQERTCT	ROUTED WQE COUNT
10	(A)	SIGNED	2	WQEUSE	WQE USE COUNT
12	(C)	CHARACTER	1	WQEPAD	- BLANK
13	(D)	CHARACTER	8	WQETS	- TIME STAMP

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
21	(15)	CHARACTER	1	WQEPAD1	- BLANK
22	(16)	CHARACTER	8	WQEJOBNM	JOBNAME INSERTED BY SUBSYSTEM
30	(1E)	CHARACTER	1	WQEPAD2	BLANK
31	(1F)	CHARACTER	128	WQETXT(0)	- MESSAGE TEXT (MAX 128 BYTES)
31	(1F)	CHARACTER	127		
158	(9E)	CHARACTER	1	WQETXTL	- LAST BYTE OF MESSAGE TEXT
159	(9F)	CHARACTER	1	WQEPAD3	- EXTRA BYTE SO REMAINING FIELDS ARE ON A WORD BOUNDARY - note, this field was used in OW26748, do not reuse
160	(A0)	BITSTRING	1	WQEXA	- DISPOSITION FLAGS
		1...		WQEPURGE	"BIT0" - PURGE THIS WQE
		.1..		WQEQFHC	"BIT1" - QUEUE FOR HARD COPY
		..1.		WQEORE	"BIT2" - ORE EXISTS FOR THIS WQE
		...1		WQEQDFHC	"BIT3" - QUEUED FOR HARD COPY
		.... 1...		WQEWTOR	"BIT4" - WQE CREATED FOR WTOR
		.... .1..		WQEDOM	"BIT5" - MESSAGE TO BE DOM'ED
		.... ..1.		WQESUSP	"BIT6" - Reserved and can not be reused.
		1		WQEAUTH	"BIT7" - MESSAGE ISSUED BY AUTHORIZED USER
161	(A1)	CHARACTER	2	WQEASID	- ASID OF USER
163	(A3)	BITSTRING	1	WQEAVAIL	- BUFFER STATUS FLAGS
		1...		WQEBUFA	"BIT0" - BUFFER IS FREE
		.1..		WQEBUFB	"BIT1" - BUFFER IS IN USE
		..1.		WQEBUFC	"BIT2" - READY FOR HARDCOPY
		...1		WQERSV46	"BIT3" - Reserved - Was WQEBUFD
		.... 1...		WQEBUFE	"BIT4" - BUFFER HAS BEEN SERVICED
		.... .1..		WQEBUFF	"BIT5" - TPUT - TO DO
		.... ..1.		WQEBUFG	"BIT6" - WQE SUPPRESSED
		1		WQEMTRCD	"BIT7" - BUFFER HAS BEEN MASTER TRACED
164	(A4)	SIGNED	4	WQETCB	- POINTER TO USER'S TCB
168	(A8)	SIGNED	4	WQESEQ#(0)	WTO SEQUENCE NUMBER (DOM/CONNECT ID)
168	(A8)	SIGNED	1	WQESYSID	SYSTEM ID
169	(A9)	SIGNED	3	WQESEQN	24-BIT SEQUENCE NUMBER
172	(AC)	BITSTRING	2	WQEMCSF(0)	- MCS FLAGS
172	(AC)	BITSTRING	1	WQEMCSF1	- FIRST BYTE OF MCS FLAGS
		1...		WQEMCSA	"BIT0" - ROUTING AND DESCRIPTOR CODE FIELDS EXIST
		.1..		WQEMCSB	"BIT1" - QUEUE TO CONSOLE WHOSE ID IS IN WQECNID (IF THE CONSOLE IS ACTIVE)
		..1.		WQEMCSC	"BIT2" - COMMAND RESPONSE (INCLUDES HARD COPY)
		...1		WQEMCSD	"BIT3" - MESSAGE TYPE FLAGS FIELD EXISTS
		.... 1...		WQEMCSE	"BIT4" - THIS WTO IS A REPLY TO A WTOR
		.... .1..		WQEMCSFF	"BIT5" - BROADCAST TO ACTIVE CONSOLES

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		WQEMCSG	"BIT6" - QUEUE FOR HARD COPY ONLY
		1		WQERSV77	"BIT7" - RESERVED (WAS QUEUE UNCONDITIONALLY TO UCM ENTRY PASSED IN REG 0)
173	(AD)	BITSTRING	1	WQEMCSF2	- SECOND BYTE OF MCS FLAGS
		1...		WQEMCSI	"BIT0" - NO TIME STAMP
		.1..		WQEMCSJ	"BIT1" - Must be zero in Normal WQE
		.1..		WQEMCS2B	"BIT1" - MLWTO 0=Normal WQE, 1= Major WQE
		..1.		WQEMCSK	"BIT2" PRIMARY SUBSYSTEM USE ONLY: JES3: DO NOT LOG MINOR WQES IF THE MAJOR IS NOT HARDCOPIED JES2: NOT USED
		...1		WQEMCSL	"BIT3" EXTENDED WPL FORMAT (WPX) EXISTS
		.... 1...		WQEMCSM	"BIT4" - THE MESSAGE IS AN OPERATOR COMMAND
		.... .1..		WQEMCSN	"BIT5" - BYPASS QUEUING TO HARD COPY (FOR USERS OPERATING IN PROTECT KEY 0 ONLY)
		.... ..1.		WQEMCSO	"BIT6" WQEBLK KEYWORD SPECIFIED
		1		WQEMCSP	"BIT7" RESERVED
174	(AE)	BITSTRING	2	WQEMSGTP(0)	- MESSAGE TYPE FLAGS
174	(AE)	BITSTRING	1	WQEMSGT1	- FIRST BYTE OF MESSAGE TYPE FLAGS
		1...		WQEMSGTA	"BIT0" - DISPLAY JOBNAMES
		.1..		WQEMSGTB	"BIT1" - DISPLAY STATUS
		..1.		WQEMSGTC	"BIT2" - MONITOR ACTIVE
		...1		WQERSV39	"BIT3" - Reserved (was WQEMSGTD for QID)
		.... 1...		WQERSV13	"BIT4,,C'X'" - RESERVED
		.... .1..		WQEMSGTF	"BIT5" - MONITOR SESS
		.... ..1.		WQERSV14	"BIT6,,C'X'" - RESERVED
		1		WQERSV15	"BIT7,,C'X'" - RESERVED
175	(AF)	BITSTRING	1	WQEMSGT2	- SECOND BYTE OF MESSAGE TYPE FLAGS
176	(B0)	BITSTRING	2	WQEROUT(0)	- ROUTING CODES THESE CODES INDICATE THE FUNCTIONAL AREA OR AREAS TO WHICH A MESSAGE IS TO BE SENT.
176	(B0)	BITSTRING	1	WQEROUT1	- 1ST BYTE OF ROUTING CODES
		1...		WQEROUTA	"BIT0" - PRIMARY CONSOLE ACTION
		.1..		WQEROUTB	"BIT1" - PRIMARY CONSOLE INFORMATION
		..1.		WQEROUTC	"BIT2" - TAPE POOL
		...1		WQEROUTD	"BIT3" - DIRECT ACCESS POOL
		.... 1...		WQEROUTE	"BIT4" - TAPE LIBRARY
		.... .1..		WQEROUTF	"BIT5" - DISK LIBRARY
		.... ..1.		WQEROUTG	"BIT6" - UNIT RECORD POOL
		1		WQEROUTH	"BIT7" - TELEPROCESSING CONTROL
177	(B1)	BITSTRING	1	WQEROUT2	- 2ND BYTE OF ROUTING CODES
		1...		WQEROUTI	"BIT0" - SYSTEM SECURITY

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.1..		WQEROUTJ	"BIT1" - SYSTEM/ERROR MAINTENANCE
		..1.		WQEROUTK	"BIT2" - PROGRAMMER INFORMATION
		...1		WQEROUTL	"BIT3" - EMULATOR INFORMATION
		.... 1...		WQEROUTM	"BIT4" - USER ROUTING CODE
		.... .1..		WQEROUTN	"BIT5" - USER ROUTING CODE
		.... ..1.		WQEROUTO	"BIT6" - USER ROUTING CODE
		1		WQEROUTP	"BIT7" USER ROUTING CODE
178	(B2)	CHARACTER	1	WQECHAR1	1ST CHARACTER OF TEXT
179	(B3)	BITSTRING	1	WQEFLG3	- MISCELLANEOUS FLAGS
		1...		WQEDLVRD	"BIT0" - WQE HAS BEEN DELIVERED TO A CONSOLE ON THIS SYSTEM
		.1..		WQEDNDWQ	"BIT1" - DO NOT DELETE WTOR UNTIL THIS BIT IS OFF
		..1.		WQENSYL	"BIT2" - DO NOT SEND THIS MESSAGE TO SYSLOG
		...1		WQEJ3B1	"BIT3" - BIT FOR USE BY JES3 ONLY
		.... 1...		WQEJ3B2	"BIT4" - BIT FOR USE BY JES3 ONLY
180	(B4)	SIGNED	1	WQE1BID	- RESERVED (WAS WQEUCMID)
181	(B5)	BITSTRING	1	WQEFLG1	- MISCELLANEOUS FLAGS
		1...		WQERSV41	"BIT0" - Reserved (was WQEFLG11 for MPF & HC)
		.1..		WQERETAN	"BIT1" - MSG IS TO BE RETAINED BY AMRF
		..1.		WQENMOD	"BIT2" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
		...1		WQERSV79	"BIT3" RESERVED (WAS WQESQMC)
		.... 1...		WQENOJLG	"BIT4" SUPPRESS FROM JOB LOG
		.... .1..		WQEAUTOV	"BIT5" INDICATES MPF AUTO SUPPORTED
		.... ..1.		WQEPPNA	"BIT6" - PROBLEM PROGRAM NONACTION MSG
		1		WQERISS	"BIT7" - REISSUED MESSAGE
182	(B6)	CHARACTER	2	WQERPYID	- REPLY ID
184	(B8)	BITSTRING	4	WQEDESCD(0)	- DESCRIPTOR CODES
184	(B8)	BITSTRING	1	WQEDC1	- FIRST BYTE OF DESCRIPTOR CODES
		1...		WQEDCA	"BIT0" - SYSTEM FAILURE MESSAGE
		.1..		WQEDCB	"BIT1" - IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WQEDCC	"BIT2" - EVENTUAL ACTION REQUIRED MESSAGE
		...1		WQEDCD	"BIT3" - SYSTEM STATUS MESSAGE
		.... 1...		WQEDCE	"BIT4" - IMMEDIATE COMMAND RESPONSE MESSAGE
		.... .1..		WQEDCF	"BIT5" - JOB STATUS MESSAGE
		.... ..1.		WQEDCG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE, OR DELETE AT TASK TERMINATION
		1		WQEDCH	"BIT7" - OUT-OF-LINE MESSAGE

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
185	(B9)	BITSTRING	1	WQEDC2	- SECOND BYTE OF DESCRIPTOR CODES
		1...		WQEDCI	"BIT0" OPERATOR REQUEST
		.1..		WQEDCJ	"BIT1" RESERVED
		..1.		WQEDCK	"BIT2" - CRITICAL EVENTUAL ACTION MSG - DESCRIPTOR CODE 11
		...1		WQEDCL	"BIT3" - IMPORTANT INFORMATION MESSAGE
		.... 1...		WQEDCM	"BIT4" - PREVIOUSLY AUTOMATED
		.... .1..		WQERSV23	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSV24	"BIT6,,C'X'" - RESERVED
		1		WQERSV25	"BIT7,,C'X'" - RESERVED
186	(BA)	BITSTRING	1	WQEDC3	- RESERVED for 3rd byte of descriptor codes
187	(BB)	BITSTRING	1	WQEDC4	- RESERVED for 4th byte of descriptor codes (was WQEMCSCT)
187	(BB)	X'160'	0	IHAWQE_KOW32623_WQESIZE	"352" size of WQE at version OW32623
187	(BB)	X'180'	0	IHAWQE_KJBB7727_WQESIZE	"384" size of WQE at version JBB7727
187	(BB)	X'1D0'	0	IHAWQE_KHBB7770_WQESIZE	"464" size of WQE at version HBB7770
188	(BC)	SIGNED	4	WQEJSTCB	- ADDRESS OF JOB STEP TCB
192	(C0)	BITSTRING	1	WQEVRSN	VERSION LEVEL
192	(C0)	X'1'	0	WQESP211	"1" JBB2110 VERSION LEVEL
192	(C0)	X'2'	0	WQESP220	"2" JBB2220 VERSION LEVEL
192	(C0)	X'3'	0	WQESP410	"3" HBB4410 VERSION LEVEL
192	(C0)	X'4'	0	WQESP422	"4" JBB4422 VERSION LEVEL
192	(C0)	X'5'	0	WQESP440	"5" HBB5510 VERSION LEVEL
192	(C0)	X'8'	0	WQE32623	"8" OW32623 version level which means a) all diagnostics flags from OW26748 have been removed b) The byte originally reserved for the 4th byte of descriptor codes is ow the routed to only-MCS consoles count
192	(C0)	X'9'	0	WQEJBB7727	"9" JBB7727 VERSION LEVEL
192	(C0)	X'14'	0	WQEHBB7730	"20" HBB7730 VERSION LEVEL
192	(C0)	X'1E'	0	WQEHBB7770	"30" HBB7770 VERSION LEVEL
192	(C0)	X'1E'	0	WQEVRID	"WQEHBB7770" THE CURRENT VERSION LEVEL
193	(C1)	BITSTRING	1	WQEFLG2	MISC FLAGS BYTE 2
		1...		WQERSV96	"BIT0" RESERVED (WAS WQEHNDL)
		.1..		WQEMLCPL	"BIT1" Multiline is complete. Must be zero in Normal WQE. Used only in Major WQE.
		..1.		WQEFORN	"BIT2" FOREIGN WQE
		...1		WQETRANS	"BIT3" WQE HAS BEEN TRANSPORTED TO ANOTHER SYSTEM
		.... 1...		WQESUPSJ	"BIT4" ON = DON'T DISPLAY SYSTEM NAME OR JOB NAME
		.... .1..		WQEQXSYS	"BIT5" ON = QUEUED TO A CONSOLE ON ANOTHER SYSTEM IN THE SYSPLEX

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		WQEQEXT	"BIT6" ON = QUEUED TO AN EXTENDED CLASS
		1		WQEQMCS	"BIT7" ON = QUEUED TO AN MCS CONSOLE
194	(C2)	CHARACTER	2	WQEMCSEF(0)	EXTENDED MCS FLAGS
194	(C2)	BITSTRING	1	WQEMCSE1	FIRST BYTE
		1...		WQERSV40	"BIT0" Reserved (was WQEEBUSY for BUSYEXIT)
		.1..		WQEECONS	"BIT1" FOUR-BYTE CONSOLE ID SPECIFIED
		..1.		WQERSV93	"BIT2" Reserved - Was WQEEDOMI
		...1		WQEECONN	"BIT3" CONNECT ID WAS SPECIFIED
		.... 1...		WQEEWTOR	"BIT4" WTOR WITH EXTENDED PARAMETER LIST
		.... .1..		WQERSV94	"BIT5" Reserved - Was WQEEPRIO
		.... ..1.		WQECNM	"BIT6" CONSOLE NAME SPECIFIED
195	(C3)	BITSTRING	1	WQEMCSE2	SECOND BYTE OF EXT MCS FLAGS
		1...		WQEETXTA	"BIT0" UNUSED IN WQE - TEXT ADDRESS PARM SPECIFIED ON WTO MACRO
		.1..		WQENSHIP	"BIT1" Only used in lower level systems. Reserved at JBB7727 and above. May be reused when levels HBB7707 and below are out of service.
		..1.		WQEEDBCS	"BIT2" RESERVED
		...1		WQEEIDBC	"BIT3" RESERVED
		.... 1...		WQERSV1B	"BIT4" RESERVED
		.... .1..		WQEESYNC	"BIT5" PROCESS SYNCHRONOUS WITH RESPECT TO THE CALLER
		.... ..1.		WQERSV1C	"BIT6" RESERVED
		1		WQERSV1D	"BIT7" RESERVED
196	(C4)	CHARACTER	8	WQESYSNM	THE NAME OF THE SYSTEM ON WHICH THIS MESSAGE WAS ISSUED
204	(CC)	CHARACTER	5	WQEDATE	DATE WTO ISSUED
209	(D1)	CHARACTER	3	WQETS2(0)	TENTHS AND HUNDREDTHS OF A SECOND
209	(D1)	CHARACTER	1	WQEPER3	DECIMAL POINT IN TIME
210	(D2)	CHARACTER	2	WQETS2TH	TENTHS AND HUNDREDTHS OF A SECOND
212	(D4)	CHARACTER	4	WQEXMOD(0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
212	(D4)	CHARACTER	3	WQERFLGS(0)	COMM TASK USER EXIT REQUESTS
212	(D4)	BITSTRING	1	WQERFB1	REQUEST FLAGS BYTE ONE
		1...		WQERCMT	"BIT0" CHANGE THE MESSAGE TEXT
		.1..		WQERCRC	"BIT1" CHANGE THE ROUTING CODE(S)
		..1.		WQERCDC	"BIT2" CHANGE THE DESCRIPTOR CODE(S)
		...1		WQERQPC	"BIT3" QUEUE TO A PARTICULAR ACTIVE CONSOLE
		.... 1...		WQERQUN	"BIT4" QUEUE TO A PARTICULAR CONSOLE UNCONDITIONALLY

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		WQERQRC	"BIT5" QUEUE BY ROUTING CODES ONLY
		.... ..1.		WQERSV76	"BIT6" RESERVED (WAS WQERCCN)
		1		WQERPML	"BIT7" PROCESS MINOR LINES
213	(D5)	BITSTRING	1	WQERFB2	REQUEST FLAGS BYTE TWO
		1...		WQERDTM	"BIT0" DELETE THE MESSAGE
		.1..		WQEROMS	"BIT1" OVERRIDE MPF SUPPRESSION
		..1.		WQERFHC	"BIT2" FORCE HARDCOPY
		...1		WQERNHC	"BIT3" FORCE NO HARDCOPY
		.... 1...		WQERHCO	"BIT4" FORCE HARDCOPY ONLY
		.... .1..		WQERBCA	"BIT5" BROADCAST MESSAGE TO ACTIVE CONSOLES
		.... ..1.		WQERBCN	"BIT6" DO NOT BROADCAST MESSAGE TO ACTIVE CONSOLES
		1		WQERNRT	"BIT7" AMRF IS NOT TO RETAIN THIS MSG
214	(D6)	BITSTRING	1	WQERFB3	REQUEST FLAGS BYTE THREE
		1...		WQERRET	"BIT0" AMRF IS TO RETAIN THIS MSG
		.1..		WQERCKY	"BIT1" CHANGE THE RETRIEVAL KEY
		..1.		WQERCFC	"BIT2" CHANGE THE 4-BYTE CONSOLE ID
		...1		WQERCMF	"BIT3" CHANGE THE MESSAGE TYPE FLAGS
		.... 1...		WQERANO	"BIT4" AUTOMATION IS NOT REQUIRED
		.... .1..		WQERAYS	"BIT5" AUTOMATION IS REQUIRED AND/OR AUTOMATION TOKEN UPDATED
		.... ..1.		WQEQHCO	"BIT6" MESSAGE ISSUED HARDCOPY ONLY
		1		WQERSV43	"BIT7" Reserved - Was WQEHUD
215	(D7)	BITSTRING	1	WQESUPB	SUPPRESSION BYTE
		1...		WQESNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1..		WQESEER	"BIT1" A WTO USER EXIT ABENDED WHILE PROCESSING THIS MESSAGE
		..1.		WQESNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WQESAUT	"BIT3" INDICATE AUTOMATION SPECIFIED
		.... 1...		WQE_PROCESSED_BY_MFA	"BIT4" Message Flood Automation processed this message
		.... .1..		WQESSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... ..1.		WQESWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE
		1		WQESMPF	"BIT7" SUPPRESSED BY MPF or Message Flood Automation
216	(D8)	SIGNED	2	WQEMLVL(0)	MESSAGE LEVEL MASK FOR QUEUING
216	(D8)	BITSTRING	1	WQEML1	FIRST BYTE OF LEVEL INDICATOR
		1...		WQEMLR	"BIT0" WTOR
		.1..		WQEMLIA	"BIT1" IMMEDIATE ACTION MESSAGE
		..1.		WQEMLCE	"BIT2" CRITICAL EVENTUAL ACTION MESSAGE

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		...1		WQEMLE	"BIT3" EVENTUAL ACTION MESSAGE
		.... 1...		WQEMLI	"BIT4" INFORMATIONAL MESSAGE
		.... .1..		WQEMLBC	"BIT5" BROADCAST MESSAGE
217	(D9)	BITSTRING	1	WQEML2	RESERVED
218	(DA)	SIGNED	2	WQELENG	WQE SIZE
220	(DC)	SIGNED	4	WQEDSQN	UNIVERSAL DISPLAY SEQUENCE NUMBER
224	(E0)	BITSTRING	16	WQEERC(0)	EXTENDED ROUTING CODES
224	(E0)	BITSTRING	2	WQEERCROUT(0)	FIRST TWO BYTES OF ROUTING CODES
224	(E0)	BITSTRING	1	WQEERC1	BYTE 1 - EXTENDED ROUTING CODES
		1...		WQERC1	"BIT0" PRIMARY CONSOLE ACTION
		.1..		WQERC2	"BIT1" PRIMARY CONSOLE INFORMATION
		..1.		WQERC3	"BIT2" TAPE POOL
		...1		WQERC4	"BIT3" DIRECT ACCESS POOL
		.... 1...		WQERC5	"BIT4" TAPE LIBRARY
		.... .1..		WQERC6	"BIT5" DISK LIBRARY
		.... ..1.		WQERC7	"BIT6" UNIT RECORD POOL
		1		WQERC8	"BIT7" TELEPROCESSING CONTROL
225	(E1)	BITSTRING	1	WQEERC2	BYTE 2 - EXTENDED ROUTING CODES
		1...		WQERC9	"BIT0" SYSTEM SECURITY
		.1..		WQERC10	"BIT1" SYSTEM/ERROR MAINTENANCE
		..1.		WQERC11	"BIT2" PROGRAMMER INFORMATION
		...1		WQERC12	"BIT3" EMULATOR INFORMATION
		.... 1...		WQERC13	"BIT4" USER ROUTING CODE
		.... .1..		WQERC14	"BIT5" USER ROUTING CODE
		.... ..1.		WQERC15	"BIT6" USER ROUTING CODE
		1		WQERC16	"BIT7" USER ROUTING CODE
226	(E2)	BITSTRING	1	WQEERC3	BYTE 3 - EXTENDED ROUTING CODES
		1...		WQERC17	"BIT0" USER ROUTING CODE
		.1..		WQERC18	"BIT1" USER ROUTING CODE
		..1.		WQERC19	"BIT2" USER ROUTING CODE
		...1		WQERC20	"BIT3" USER ROUTING CODE
		.... 1...		WQERC21	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WQERC22	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WQERC23	"BIT6" RESERVED FOR JES USAGE
		1		WQERC24	"BIT7" RESERVED FOR JES USAGE
227	(E3)	BITSTRING	1	WQEERC4	BYTE 4 - EXTENDED ROUTING CODES
		1...		WQERC25	"BIT0" RESERVED FOR JES USAGE
		.1..		WQERC26	"BIT1" RESERVED FOR JES USAGE
		..1.		WQERC27	"BIT2" RESERVED FOR JES USAGE
		...1		WQERC28	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WQERC29	"BIT4" DISASTER RECOVERY
		.... .1..		WQERC30	"BIT5" RESERVED
		.... ..1.		WQERC31	"BIT6" RESERVED
		1		WQERC32	"BIT7" RESERVED
228	(E4)	BITSTRING	1	WQEERC5	BYTE 5 - EXTENDED ROUTING CODES
		1...		WQERC33	"BIT0" RESERVED
		.1..		WQERC34	"BIT1" RESERVED
		..1.		WQERC35	"BIT2" RESERVED
		...1		WQERC36	"BIT3" RESERVED
		.... 1...		WQERC37	"BIT4" RESERVED

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		WQERC38	"BIT5" RESERVED
		.... ..1.		WQERC39	"BIT6" RESERVED
		1		WQERC40	"BIT7" RESERVED
229	(E5)	BITSTRING	1	WQEERC6	BYTE 6 - EXTENDED ROUTING CODES
		1...		WQERC41	"BIT0" JOB STATUS MESSAGE
		.1..		WQERC42	"BIT1" GENERAL INFO ABOUT JES2 OR JES3
		..1.		WQERC43	"BIT2" RESERVED FOR JES USAGE
		...1		WQERC44	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WQERC45	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WQERC46	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WQERC47	"BIT6" RESERVED FOR JES USAGE
		1		WQERC48	"BIT7" RESERVED FOR JES USAGE
230	(E6)	BITSTRING	1	WQEERC7	BYTE 7 - EXTENDED ROUTING CODES
		1...		WQERC49	"BIT0" RESERVED FOR JES USAGE
		.1..		WQERC50	"BIT1" RESERVED FOR JES USAGE
		..1.		WQERC51	"BIT2" RESERVED FOR JES USAGE
		...1		WQERC52	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WQERC53	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WQERC54	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WQERC55	"BIT6" RESERVED FOR JES USAGE
		1		WQERC56	"BIT7" RESERVED FOR JES USAGE
231	(E7)	BITSTRING	1	WQEERC8	BYTE 8 - EXTENDED ROUTING CODES
		1...		WQERC57	"BIT0" RESERVED FOR JES USAGE
		.1..		WQERC58	"BIT1" RESERVED FOR JES USAGE
		..1.		WQERC59	"BIT2" RESERVED FOR JES USAGE
		...1		WQERC60	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WQERC61	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WQERC62	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WQERC63	"BIT6" RESERVED FOR JES USAGE
		1		WQERC64	"BIT7" RESERVED FOR JES USAGE
232	(E8)	BITSTRING	1	WQEERC9	BYTE 9 - EXTENDED ROUTING CODES
		1...		WQERC65	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WQERC66	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WQERC67	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WQERC68	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WQERC69	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WQERC70	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WQERC71	"BIT6" PROCESSOR RELATED MESSAGE
		1		WQERC72	"BIT7" PROCESSOR RELATED MESSAGE
233	(E9)	BITSTRING	1	WQEERC10	BYTE 10 - EXTENDED ROUTING CODES
		1...		WQERC73	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WQERC74	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WQERC75	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WQERC76	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WQERC77	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WQERC78	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WQERC79	"BIT6" PROCESSOR RELATED MESSAGE
		1		WQERC80	"BIT7" PROCESSOR RELATED MESSAGE
234	(EA)	BITSTRING	1	WQEERC11	BYTE 11 - EXTENDED ROUTING CODES
		1...		WQERC81	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WQERC82	"BIT1" PROCESSOR RELATED MESSAGE

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		WQERC83	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WQERC84	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WQERC85	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WQERC86	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WQERC87	"BIT6" PROCESSOR RELATED MESSAGE
		1		WQERC88	"BIT7" PROCESSOR RELATED MESSAGE
235	(EB)	BITSTRING	1	WQEERC12	BYTE 12 - EXTENDED ROUTING CODES
		1...		WQERC89	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WQERC90	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WQERC91	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WQERC92	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WQERC93	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WQERC94	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WQERC95	"BIT6" PROCESSOR RELATED MESSAGE
		1		WQERC96	"BIT7" PROCESSOR RELATED MESSAGE
236	(EC)	BITSTRING	1	WQEERC13	BYTE 13 - EXTENDED ROUTING CODES
		1...		WQERC97	"BIT0" DEVICE RELATED MESSAGE
		.1..		WQERC98	"BIT1" DEVICE RELATED MESSAGE
		..1.		WQERC99	"BIT2" DEVICE RELATED MESSAGE
		...1		WQERC100	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WQERC101	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WQERC102	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WQERC103	"BIT6" DEVICE RELATED MESSAGE
		1		WQERC104	"BIT7" DEVICE RELATED MESSAGE
237	(ED)	BITSTRING	1	WQEERC14	BYTE 14 - EXTENDED ROUTING CODES
		1...		WQERC105	"BIT0" DEVICE RELATED MESSAGE
		.1..		WQERC106	"BIT1" DEVICE RELATED MESSAGE
		..1.		WQERC107	"BIT2" DEVICE RELATED MESSAGE
		...1		WQERC108	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WQERC109	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WQERC110	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WQERC111	"BIT6" DEVICE RELATED MESSAGE
		1		WQERC112	"BIT7" DEVICE RELATED MESSAGE
238	(EE)	BITSTRING	1	WQEERC15	BYTE 15 - EXTENDED ROUTING CODES
		1...		WQERC113	"BIT0" DEVICE RELATED MESSAGE
		.1..		WQERC114	"BIT1" DEVICE RELATED MESSAGE
		..1.		WQERC115	"BIT2" DEVICE RELATED MESSAGE
		...1		WQERC116	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WQERC117	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WQERC118	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WQERC119	"BIT6" DEVICE RELATED MESSAGE
		1		WQERC120	"BIT7" DEVICE RELATED MESSAGE
239	(EF)	BITSTRING	1	WQEERC16	BYTE 16 - EXTENDED ROUTING CODES
		1...		WQERC121	"BIT0" DEVICE RELATED MESSAGE
		.1..		WQERC122	"BIT1" DEVICE RELATED MESSAGE
		..1.		WQERC123	"BIT2" DEVICE RELATED MESSAGE
		...1		WQERC124	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WQERC125	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WQERC126	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WQERC127	"BIT6" DEVICE RELATED MESSAGE
		1		WQERC128	"BIT7" DEVICE RELATED MESSAGE
240	(F0)	CHARACTER	8	WQEKEY	RETRIEVAL KEY

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
248	(F8)	SIGNED	4	WQETOKN	TOKEN FOR DOM
252	(FC)	CHARACTER	4	WQECNID	FULLWORD CONSOLE ID Note: This console id may not have a console name associated with it. The console id itself may not correspond to a real console. Console ids 00FFFFFFx and 000000FFx are examples of this.
256	(100)	CHARACTER	8	WQEOJBID	ORIGINATING JOB ID
264	(108)	CHARACTER	8	WQEOJBNM	ORIGINATING JOB NAME
272	(110)	ADDRESS	2	WQEPRTY	Reserved - No longer used and will be deleted in a future release
274	(112)	CHARACTER	8	WQEAUTOT	AUTOMATION TOKEN VALUE
282	(11A)	CHARACTER	4	WQEERFS(0)	EXTENDED REQUEST FLAGS (FROM THE USER EXIT TO THE SYSTEM)
282	(11A)	BITSTRING	1	WQEERF1	REQUEST FLAGS BYTE ONE
		1...		WQEEMRY	"X'80'" PRIMARY SUBSYSTEM CAN ALTER MSG ROUTING
		.1..		WQEEMRN	"X'40'" PRIMARY SUBSYSTEM CAN NOT ALTER MSG ROUTING
		..1.		WQEEMCO	"X'20'" REQUEST TO CHANGE MESSAGE COLOR
		...1		WQEEMHI	"X'10'" REQUEST TO CHANGE MESSAGE HIGHLIGHTING
		.... 1...		WQEEMIN	"X'08'" REQUEST TO CHANGE MESSAGE INTENSITY
283	(11B)	BITSTRING	1	WQEERF2	REQUEST FLAGS BYTE TWO
284	(11C)	BITSTRING	1	WQEERF3	REQUEST FLAGS BYTE THREE
		1...		WQEESJL	"X'80'" REQUEST TO SUPPRESS MESSAGE FROM THE JOBLOG
		.1..		WQENWTP	"X'40'" REQUEST TO NOT DO WTP PROCESSING (NO SYSMSG OR TPUT)
285	(11D)	BITSTRING	1	WQEERF4	REQUEST FLAGS BYTE FOUR
286	(11E)	BITSTRING	1	WQEJ3RTC	JES3 GLOBAL ROUTING - FOR USE BY JES3 ONLY
287	(11F)	BITSTRING	1	WQEJ3MRC	GLOBAL MESSAGE ROUTING CONTROLS - FOR USE BY JES3 ONLY
288	(120)	BITSTRING	2	WQEJ3CON	JES3 CONSOLE ID (FOR MINOR WQE PROCESSING) - FOR USE BY JES3 ONLY
290	(122)	CHARACTER	8	WQECNNME	CONSOLE NAME
298	(12A)	CHARACTER	8	WQECART	CART TOKEN
306	(132)	CHARACTER	2	WQEXIF(0)	MISCELLANEOUS AND MINOR ERROR INFORMATION FLAGS
306	(132)	BITSTRING	1	WQEXIF1	MISC AND MINOR ERROR FLAG BYTE 1
		1...		WQEXTTR	"BIT0" MESSAGE TEXT WAS TRUNCATED
		.1..		WQEXNVT	"BIT1" INVALID USER EXIT TEXT MODIFICATION
		..1.		WQEXMER	"BIT2" MUTUALLY EXCLUSIVE USER EXIT REQUESTS MADE
		...1		WQEXIRM	"BIT3" INCOMPATIBLE USER EXIT REQUESTS MADE

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		WQEDMDB	"BIT4" DOM MDBS HAVE BEEN BUILT
307	(133)	BITSTRING	1	WQEXIF2	MISC AND MINOR ERROR FLAG BYTE 2
		1...		WQERSV95	"BIT0" Reserved - Was WQEQONLY
		.1..		WQEAMRFO	"BIT1" WQE IS FOR AMRF PURPOSES ONLY
		..1.		WQEAMRFA	"BIT2" AMRF IS ACTIVE ON ISSUING SYSTEM
		...1		WQEQD	"BIT3" WQE WENT THROUGH QUEUEING ALREADY
		.... 1...		WQEWTPR	"BIT4" WTP REQUEST - ROUTE CODE 11 WAS ON AFTER CALLING WTO USER EXIT
		.... .1..		WQEMFR	"BIT5" WQE WAS MODIFIED FOR REISSUE BY QUEUING
		.... ..1.		WQEAMRFR	"BIT6" ISSUED FOR AMRF REFRESH
		1		WQEQTSYS	"BIT7" QUEUE MESSAGE JUST ON THIS SYSTEM
308	(134)	SIGNED	4	WQERSV67	Reserved (was WQEXTUSE)
312	(138)	CHARACTER	1	WQERSV42	Reserved
313	(139)	SIGNED	1	WQE_AUTOR_REPLY_LEN	Reply length for auto-reply
314	(13A)	SIGNED	2	WQE_AUTOR_DELAY	Auto-reply delay time
316	(13C)	BITSTRING	1	WQEBENIP	BRANCH ENTRY/NIP FLAGS
		1...		WQEDOMD	"BIT0" MESSAGE HAS PREVIOUSLY BEEN DOM'D
		.1..		WQENBEW	"BIT1" WQE CREATED BY NIP OR BE WTO
		..1.		WQENHABD	"BIT2" HAS ALREADY BEEN DISPLAYED
		...1		WQEASCB	"BIT3" ASCB SPECIFIED
		.... 1...		WQEDFSLP	"BIT4" SLIP processing deferred until reissue
317	(13D)	BITSTRING	1	WQEQDSYS	WQE DESTINATIONS COUNTER
318	(13E)	CHARACTER	1	WQECASEL	MESSAGE COLOR
319	(13F)	CHARACTER	1	WQEHASEL	MESSAGE HIGHLIGHTING
320	(140)	CHARACTER	1	WQEIASEL	MESSAGE INTENSITY
MISCELLANEOUS ROUTING INFORMATION NOTE - ANY FIELDS ADDED HERE MUST ALSO BE ADDED IN THE FOLLOWING: UCM, ODTE, MDB					
321	(141)	BITSTRING	1	WQEMISC	MISCELLANEOUS ROUTING INFORMATION
		1...		WQERSV44	"BIT0" Reserved - Was WQEUD
		.1..		WQERSV45	"BIT1" Reserved - Was WQEFUDO
		..1.		WQEFIDO	"BIT2" QUEUE BY ID ONLY
		...1		WQEAUTO	"BIT3" QUEUE BY AUTOMATION
		.... 1...		WQEHC	"BIT4" QUEUE BY HARDCOPY
		.... .1..		WQEINTC	"BIT5" Directed to INTIDS (Console ID zero)
		.... ..1.		WQEUNKC	"BIT6" Directed to UNKNIDS (Unknown CNID)
322	(142)	BITSTRING	2	WQETSNT	TOTAL COUNT OF TDPS SENT OUT FOR THIS MESSAGE
324	(144)	SIGNED	4	WQERPYIB	BINARY REPLY ID

Table 590. Structure WQE (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
328	(148)	BITSTRING	4	WQETS3	STCK TIME STAMP Note - if task has been in a wait for resources, this is the time after returning from the wait
332	(14C)	BITSTRING	4	WQEFTOD	AMRF FAILURE TIME
336	(150)	CHARACTER	8		Reserved - Was WQEKQLST
344	(158)	ADDRESS	1	WQERIDL	LENGTH OF REPLY ID IN MESSAGE TEXT
345	(159)	BITSTRING	1	WQEMISCC	MISCELLANEOUS CONTROL PROGRAM FLAGS
		1...		WQESPVD	"BIT0" WQE BACKLOG MESSAGE
		.1..		WQEPRIV	"BIT1" Original issuer was privileged
		..1.		WQEQNLY	"BIT2" Send to the console and nowhere else.
345	(159)	X'10'	0	WQE_AUTOR_DATA_VALID	"Bit3" WQE contains valid auto-reply data
345	(159)	X'8'	0	WQE_AUTOR_DELAY_IN_SEC	"Bit4" Auto-reply delay time is in seconds
346	(15A)	CHARACTER	2	WQECENT	Century portion of date, in EBCDIC
348	(15C)	BITSTRING	4	WQELTOD	Stck time last minor added to MLWTO
352	(160)	CHARACTER	4	WQE_ACRO	Acronym 'WQE '
356	(164)	CHARACTER	16	WQE_ISSUED_ETOD	Time message issued. In STCKE format
372	(174)	CHARACTER	64	WQE_AUTOR_REPLY	Auto-reply reply
436	(1B4)	CHARACTER	28	WQERSV100	Reserved
436	(1B4)	X'1D0'	0	WQEL	"*" END OF WQE
436	(1B4)	X'1D0'	0	WQESIZE	"WQEL-WQE" LENGTH OF WQE

Table 591. Structure WQEMAJ

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	WQEMAJ	, - MAJOR WQE
0	(0)	X'0'	0	WMJM	"*" - START OF MAJOR WQE
0	(0)	ADDRESS	4	WMJMEXT	POINTER TO NEXT WQE
4	(4)	BITSTRING	1	WMJMMLW	- MLWTO FLAGS
		1...		WMJMMLWA	"BIT0" - DO NOT QUEUE MLWTO TO CONSOLES
		.1..		WMJMMLWB	"BIT1" - MAJOR WQE
		..1.		WMJMMLWC	"BIT2" - MINOR WQE
		...1		WMJMMLWD	"BIT3" - Reserved and can not be reused
		.... 1...		WMJMMLWE	"BIT4" - WTL ISSUED
		.... .1..		WMJMMLWF	"BIT5" - Reserved and can not be reused
		.... ..1.		WMJMMLWG	"BIT6" - SERVICE THIS CHAIN
		1		WMJMMLWH	"BIT7" - MINOR WQE QUEUED HAS NO TEXT
5	(5)	CHARACTER	1	WMJMAREA	- AREA ID
6	(6)	SIGNED	2	WMJMTXTL	- LENGTH OF TEXT

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
8	(8)	SIGNED	2	WMJMRTCT	ROUTED WQE COUNT
10	(A)	SIGNED	2	WMJMUC	USE COUNT
12	(C)	CHARACTER	1	WMJMPAD	- BLANK
13	(D)	CHARACTER	8	WMJMTS	- TIME STAMP
21	(15)	CHARACTER	1	WMJMPAD1	- BLANK
22	(16)	CHARACTER	8	WMJMJBNM	- JOBNAME INSERTED BY SUBSYSTEM
30	(1E)	CHARACTER	1	WMJMPAD2	- BLANK
31	(1F)	CHARACTER	72	WMJMTXT	- MESSAGE TEXT (MAXIMUM OF 72 BYTES)
103	(67)	CHARACTER	4	WMJMHCID	- HARDCOPY ID
107	(6B)	CHARACTER	1	WMJMPAD3	- BLANK INSERTED SO THAT REMAINING FIELDS ARE ON A WORD BOUNDARY Note, this field was used in OW26748 do not reuse
108	(6C)	SIGNED	4	WMJMRESA(2)	- DUMMY MINOR CREATED BY PURGE OS/VS2
116	(74)	SIGNED	4	WQERSV29	- RESERVED
120	(78)	SIGNED	2	WQERSV30	- RESERVED
122	(7A)	BITSTRING	2	WMJMSER(0)	- LINE CONTROL FLAGS
122	(7A)	BITSTRING	1	WMJMSER1	- 1ST BYTE OF LINE CONTROL FLAGS
		1...		WMJMSERA	"BIT0" - C LINE IN MAJOR WQE
		.1..		WMJMSERB	"BIT1" - ONE LABEL LINE FOUND
		..1.		WMJMSERC	"BIT2" - TWO LABEL LINES FOUND
		...1		WMJMSERD	"BIT3" - LAST TYPE WAS CONTROL LINE
		.... 1...		WMJMSERE	"BIT4" - LAST TYPE WAS LABEL LINE
		.... .1..		WQERSV31	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSV32	"BIT6,,C'X'" - RESERVED
		1		WQERSV33	"BIT7,,C'X'" - RESERVED
123	(7B)	BITSTRING	1	WMJMSER2	- 2ND BYTE OF LINE CONTROL FLAGS
124	(7C)	BITSTRING	8	WQERSVD2	- RESERVED
132	(84)	BITSTRING	2	WQERSV34	- RESERVED ***WMJMRESB***
134	(86)	BITSTRING	2	WMJMLTYP(0)	- LINE TYPE FLAGS
134	(86)	BITSTRING	1	WMJMLTY1	- 1ST BYTE OF LINE TYPE FLAGS
		1...		WMJMLTYA	"BIT0" - CONTROL LINE
		.1..		WMJMLTYB	"BIT1" - LABEL LINE
		..1.		WMJMLTYC	"BIT2" - DATA LINE ICB433
		...1		WMJMLTYD	"BIT3" - END LINE ICB433
		.... 1...		WQERSV35	"BIT4,,C'X'" - RESERVED (Used by MDB)
		.... .1..		WMJMLTYF	"BIT5" - Verbose (optional) line
		.... ..1.		WQERSV37	"BIT6,,C'X'" - RESERVED
		1		WQERSV38	"BIT7,,C'X'" - RESERVED
135	(87)	BITSTRING	1	WMJMLTY2	- 2ND BYTE OF LINE TYPE FLAGS
136	(88)	ADDRESS	4	WMJMMIN(0)	ADDRESS OF FIRST MINOR WQE
136	(88)	ADDRESS	4	WQEMINORQ	ADDRESS OF FIRST MINOR WQE
140	(8C)	BITSTRING	4	WMJMRV9D	- Reserved - was WMJMAECB
144	(90)	CHARACTER	4	WMJMMSGN	- MLWTO ID
148	(94)	BITSTRING	1	WMJMECBF	- STATUS FLAGS
		1...		WMJMRV9E	"BIT0" - Reserved - was WMJMWAIT
		.1..		WMJMMAJD	"BIT1" - SUBSYSTEM OR USERS EXIT ASKED TO DELETE THIS MLWTO

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		WMJMCONS	"BIT2" - FRAME FULL CONTROL BIT
		...1		WMJMPSB1	"BIT3" SAVE AREA FOR COMMUNICATION BIT PASSED TO THE PRIMARY SUBSYSTEM
		.... 1...		WMJMRV9A	"BIT4" RESERVED
		.... .1..		WMJMWTP	"BIT5" MAJOR WQE TEXT HAS BEEN PUT/TPUT BY CNZS1WTP - DON'T DO IT AGAIN
		.... ..1.		WQERSVD6	"BIT6,,C'X'" - RESERVED
		1		WQERSVD7	"BIT7,,C'X'" - RESERVED
149	(95)	BITSTRING	3	WQERSVD8	- RESERVED
152	(98)	SIGNED	4	WQERSVA4	- RESERVED
156	(9C)	SIGNED	4	WQERSVA5	- RESERVED
160	(A0)	BITSTRING	1	WMJMDSP	- DISPOSITION FLAGS
		1...		WMJMDSPA	"BIT0" - PURGE THIS WQE
		.1..		WMJMDSPB	"BIT1" - QUEUE WQE TO HARDCOPY
		..1.		WMJMDSPC	"BIT2" - MUST BE ZERO
		...1		WMJMDSPD	"BIT3" - QUEUED TO HARDCOPY
		.... 1...		WMJMDSPE	"BIT4" - MUST BE ZERO
		.... .1..		WMJMDSPF	"BIT5" - MESSAGE TO BE DOM'ED
		.... ..1.		WMJMDSPG	"BIT6" - Reserved and can not be reused
		1		WMJMDSPH	"BIT7" - MSG ISSUED BY AUTH USER
161	(A1)	CHARACTER	2	WMJMASID	- ASID OF USER
163	(A3)	BITSTRING	1	WMJMBUF	- BUFFER STATUS FLAGS
		1...		WMJMBUFA	"BIT0" - WQE AVAILABLE
		.1..		WMJMBUFB	"BIT1" - WQE IN USE
		..1.		WMJMBUFC	"BIT2" - READY FOR HARDCOPY
		...1		WMJMBUFD	"BIT3" - Reserved and can not be reused
		.... 1...		WMJMBUFE	"BIT4" - WQE SERVICED
		.... .1..		WMJMBUFF	"BIT5" - TPUT TO DO
		.... ..1.		WMJMBUFG	"BIT6" - WQE SUPPRESSED
		1		WMJMTRCD	"BIT7" - MAJOR WQE HAS BEEN MASTER TRACED
164	(A4)	SIGNED	4	(0)	
164	(A4)	ADDRESS	4	WMJMTCB	- ADDRESS OF ISSUER'S TCB
168	(A8)	SIGNED	4	WMJMSEQ#(0)	WTO SEQUENCE NUMBER (DOM/CONNECT ID)
168	(A8)	SIGNED	1	WMJMSID	SYSTEM ID
169	(A9)	SIGNED	3	WMJMSEQ	24-BIT SEQUENCE NUMBER
172	(AC)	BITSTRING	2	WMJMCS(0)	- MCS FLAGS
172	(AC)	BITSTRING	1	WMJMCS1	- 1ST BYTE OF MCS FLAGS
		1...		WMJMCS1A	"BIT0" - ROUTING AND DESCRIPTOR CODES EXIST
		.1..		WMJMCS1B	"BIT1" - QUEUE TO CONSOLE WHOSE ID IS IN WMJMCNID (IF THE CONSOLE IS ACTIVE)
		..1.		WMJMCS1C	"BIT2" - COMMAND RESPONSE
		...1		WMJMCS1D	"BIT3" - MESSAGE TYPE FIELD PRESENT
		.... 1...		WMJMCS1E	"BIT4" - ACCEPTED REPLY TO A WTOR

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		WMJMCS1F	"BIT5" - BROADCAST (ROUTE TO ACTIVE CONSOLES)
		.... ..1.		WMJMCS1G	"BIT6" - QUEUE TO HARDCOPY ONLY
		1		WMJRSV77	"BIT7" - RESERVED (WAS WMJMCS1H)
173	(AD)	BITSTRING	1	WMJMCS2	- 2ND BYTE OF MCS FLAGS
		1...		WMJMCS2A	"BIT0" - DO NOT TIME STAMP
		.1..		WMJMCS2B	"BIT1" - MLWTO
		..1.		WMJMCS2C	"BIT2" PRIMARY SUBSYSTEM USE ONLY: JES3: DO NOT LOG MINOR WQES IF THE MAJOR IS NOT HARDCOPIED JES2: NOT USED
		...1		WMJMCS2D	"BIT3" EXTENDED WPL FORMAT (WPX) EXISTS
		.... 1...		WMJMCS2E	"BIT4" - THE MESSAGE IS AN OPERATOR COMMAND
		.... .1..		WMJMCS2F	"BIT5" - BYPASS HARDCOPY QUEUEING
		.... ..1.		WMJMCS2G	"BIT6" WQEBLK KEYWORD SPECIFIED
		1		WMJMCS2H	"BIT7" RESERVED
174	(AE)	BITSTRING	2	WMJMMT(0)	- MESSAGE TYPE FLAGS
174	(AE)	BITSTRING	1	WMJMMT1	- 1ST BYTE OF MESSAGE TYPE FLAGS
		1...		WMJMMT1A	"BIT0" - DISPLAY JOBNAMES
		.1..		WMJMMT1B	"BIT1" - DISPLAY STATUS
		..1.		WQERSVA6	"BIT2,,C'X'" - RESERVED ***WMJMMT1C***
		...1		WMJMMT1D	"BIT3" - MUST BE ZERO
		.... 1...		WQERSV50	"BIT4,,C'X'" - RESERVED
		.... .1..		WMJMMT1F	"BIT5" - MONITOR SESS
		.... ..1.		WQERSV51	"BIT6,,C'X'" - RESERVED
		1		WQERSV52	"BIT7,,C'X'" - RESERVED
175	(AF)	BITSTRING	1	WMJMMT2	- 2ND BYTE OF MESSAGE TYPE FLAGS
176	(B0)	BITSTRING	2	WMJMRTC(0)	- ROUTING CODES
176	(B0)	BITSTRING	1	WMJMRCT1	- 1ST BYTE OF ROUTING CODES
		1...		WMJMRCTA	"BIT0" - PRIMARY CONSOLE ACTION
		.1..		WMJMRCTB	"BIT1" - PRIMARY CONSOLE INFORMATION
		..1.		WMJMRCTC	"BIT2" - TAPE POOL
		...1		WMJMRCTD	"BIT3" - DIRECT ACCESS POOL
		.... 1...		WMJMRCTE	"BIT4" - TAPE LIBRARY
		.... .1..		WMJMRCTF	"BIT5" - DISK LIBRARY
		.... ..1.		WMJMRCTG	"BIT6" - UNIT RECORD POOL
		1		WMJMRCTH	"BIT7" - TELEPROCESSING CONTROL
177	(B1)	BITSTRING	1	WMJMRCT2	- 2ND BYTE OF ROUTING CODES
		1...		WMJMRCTI	"BIT0" - SYSTEM SECURITY
		.1..		WMJMRCTJ	"BIT1" - SYSTEM/ERROR MAINTENANCE
		..1.		WMJMRCTK	"BIT2" - PROGRAMMER INFORMATION
		...1		WMJMRCTL	"BIT3" - EMULATOR INFORMATION
		.... 1...		WMJMRCTM	"BIT4" - USER ROUTING CODE
		.... .1..		WMJMRCTN	"BIT5" - USER ROUTING CODE
		.... ..1.		WMJMRCTO	"BIT6" - USER ROUTING CODE
		1		WMJMRCTP	"BIT7" USER ROUTING CODE
178	(B2)	CHARACTER	1	WMJCHAR1	1ST CHARACTER OF TEXT

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
179	(B3)	BITSTRING	1	WMJMFLG3	MISCELLANEOUS FLAGS
		1...		WMJDLVRD	"BIT0" WQE HAS BEEN DELIVERED TO A CONSOLE ON THIS SYSTEM
		.1..		WMJDNDWQ	"BIT1" - DO NOT DELETE WTOR UNTIL THIS BIT IS OFF
		..1.		WMJNSYL	"BIT2" - DO NOT SEND THIS MESSAGE TO SYSLOG
		...1		WMJJ3B1	"BIT3" - BIT FOR USE BY JES3 ONLY
		.... 1...		WMJJ3B2	"BIT4" - BIT FOR USE BY JES3 ONLY
180	(B4)	CHARACTER	1	WMJ1BID	- RESERVED (WAS WMJMUID)
181	(B5)	BITSTRING	1	WMJFLG1	- MISCELLANEOUS FLAGS
		1...		WMJFLG11	"BIT0" - THIS MESSAGE WAS PROCESSED WHILE MPF WAS ACTIVE AND HARDCOPY WAS AVAILABLE
		.1..		WMJMRETN	"BIT1" - MSG IS TO BE RETAINED BY AMRF
		..1.		WMJMNMOD	"BIT2" THE CHARACTERISTICS OF THE MESSAGE MAY NOT BE MODIFIED BY THE PRIMARY SUBSYSTEM
		...1		WMJRSV79	"BIT3" RESERVED (WAS WMJMSQMC)
		.... 1...		WMJNOJLG	"BIT4" SUPPRESS FROM JOB LOG
		.... .1..		WMJAUTOV	"BIT5" - INDICATES MPF AUTO SUPPORTED
		.... ..1.		WMJPPNA	"BIT6" - PROBLEM PROGRAM NONACTION MAJOR
		1		WMJMRISS	"BIT7" - REISSUED MESSAGE
182	(B6)	BITSTRING	2	WQERSV54	- RESERVED - MAPS TO WQERPYID
184	(B8)	BITSTRING	4	WMJMDEC(0)	- DESCRIPTOR CODES
184	(B8)	BITSTRING	1	WMJMDEC1	- 1ST BYTE OF DESCRIPTOR CODES
		1...		WMJMDECA	"BIT0" - SYSTEM FAILURE MESSAGE
		.1..		WMJMDECB	"BIT1" - IMMEDIATE ACTION REQUIRED MESSAGE
		..1.		WMJMDECC	"BIT2" - EVENTUAL ACTION REQUIRED MESSAGE
		...1		WMJMDECD	"BIT3" - SYSTEM STATUS MESSAGE
		.... 1...		WMJMDECE	"BIT4" - IMMEDIATE COMMAND RESPONSE MESSAGE
		.... .1..		WMJMDECF	"BIT5" - JOB STATUS MESSAGE
		.... ..1.		WMJMDECG	"BIT6" APPLICATION PROGRAM/PROCESSOR MESSAGE, OR DELETE AT TASK TERMINATION
		1		WMJMDECH	"BIT7" - OUT-OF-LINE MESSAGE
185	(B9)	BITSTRING	1	WMJMDEC2	- 2ND BYTE OF DESCRIPTOR CODES
		1...		WMJMDECI	"BIT0" OPERATOR REQUEST
		.1..		WMJMDECJ	"BIT1" RESERVED
		..1.		WMJMDECK	"BIT2" - CRITICAL EVENTUAL ACTION MSG - DESCRIPTOR CODE 11
		...1		WMJMDECL	"BIT3" - DELIVERED BUT NOT HELD
		.... 1...		WMJMDECM	"BIT4" - PREVIOUSLY AUTOMATED
		.... .1..		WQERSV59	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSV60	"BIT6,,C'X'" - RESERVED

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		WQERSV61	"BIT7,,C'X'" - RESERVED
186	(BA)	BITSTRING	1	WMJMDEC3	- Reserved for 3rd byte of descriptor codes
187	(BB)	BITSTRING	1	WMJMDEC4	- Reserved for 4th byte of descriptor codes (was WMJMCSCT)
188	(BC)	SIGNED	4	WMJMJTCB	- ADDRESS OF JOB STEP TCB
192	(C0)	BITSTRING	1	WMJMVRSN	VERSION LEVEL
193	(C1)	BITSTRING	1	WMJMFLG2	MISC FLAGS BYTE 2
		1...		WMJRSV96	"BIT0" RESERVED (WAS WMJMHNDL)
		.1..		WMJMLCPL	"BIT1" MULTILINE IS COMPLETE
		..1.		WMJMFORN	"BIT2" FOREIGN WQE
		...1		WMJMTRAN	"BIT3" WQE HAS BEEN TRANSPORTED TO ANOTHER SYSTEM
		.... 1...		WMJSUPSJ	"BIT4" ON = DON'T DISPLAY SYSTEM NAME OR JOB NAME
		.... .1..		WMJQXSYS	"BIT5" ON = QUEUED TO A CONSOLE ON ANOTHER SYSTEM IN THE SYSPLEX
		.... ..1.		WMJQEXT	"BIT6" ON = QUEUED TO AN EXTENDED CLASS
		1		WMJQMCS	"BIT7" ON = QUEUED TO AN MCS CONSOLE
194	(C2)	CHARACTER	2	WMJMCSE(0)	EXTENDED MCS FLAGS
194	(C2)	BITSTRING	1	WMJMCE1	FIRST BYTE
		1...		WMJRSV40	"BIT0" Reserved (was WMJEBUSY for BUSYEXIT)
		.1..		WMJECONS	"BIT1" FOUR-BYTE CONSOLE ID SPECIFIED
		..1.		WMJMRV93	"BIT2" Reserved - Was WMJEDOMI
		...1		WMJECONN	"BIT3" CONNECT ID WAS SPECIFIED
		.... 1...		WMJEWTOR	"BIT4" WTOR WITH EXTENDED PARAMETER LIST
		.... .1..		WMJMRV94	"BIT5" Reserved - Was WMJEPRIO
		.... ..1.		WMJMCNM	"BIT6" CONSOLE NAME SPECIFIED
195	(C3)	BITSTRING	1	WMJMCE2	SECOND BYTE OF EXT MCS FLAGS
		1...		WMJMTXTA	"BIT0" UNUSED IN WQE - TEXT ADDRESS PARAMETER SPECIFIED ON WTO MACRO
		.1..		WMJNSHIP	"BIT1" Only used in lower level systems. Reserved at JBB7727 and above. May be reused when levels HBB7707 and below are out of service.
		..1.		WMJMRV9B	"BIT2" RESERVED
		...1		WMJMRV9C	"BIT3" RESERVED
		.... 1...		WMJMRV1A	"BIT4" RESERVED
		.... .1..		WMJMRV1B	"BIT5" RESERVED
		.... ..1.		WMJMRV1C	"BIT6" RESERVED
		1		WMJMRV1D	"BIT7" RESERVED
196	(C4)	CHARACTER	8	WMJMSNM	THE NAME OF THE SYSTEM ON WHICH THIS MESSAGE WAS ISSUED
204	(CC)	CHARACTER	5	WMJMDATE	DATE WTO ISSUED
209	(D1)	CHARACTER	3	WMJMTS2	TENTHS AND HUNDREDTHS OF A SECOND

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
212	(D4)	CHARACTER	4	WMJMXMOD(0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
212	(D4)	CHARACTER	3	WMJMFLGS(0)	COMM TASK USER EXIT REQUESTS
212	(D4)	BITSTRING	1	WMJMRFB1	REQUEST FLAGS BYTE ONE
		1...		WMJMRCMT	"BIT0" CHANGE THE MESSAGE TEXT
		.1..		WMJMRCRC	"BIT1" CHANGE THE ROUTING CODE(S)
		..1.		WMJMRCDC	"BIT2" CHANGE THE DESCRIPTOR CODE(S)
		...1		WMJMRQPC	"BIT3" QUEUE TO A PARTICULAR ACTIVE CONSOLE
		.... 1...		WMJMRQUN	"BIT4" QUEUE TO A PARTICULAR CONSOLE UNCONDITIONALLY
		.... .1..		WMJMRQRC	"BIT5" QUEUE BY ROUTING CODES ONLY
		.... ..1.		WMJRSV76	"BIT6" RESERVED (WAS WMJMRCCN)
		1		WMJMRPML	"BIT7" PROCESS MINOR LINES
213	(D5)	BITSTRING	1	WMJMRFB2	REQUEST FLAGS BYTE TWO
		1...		WMJMRDTM	"BIT0" DELETE THE MESSAGE
		.1..		WMJMROMS	"BIT1" OVERRIDE MPF SUPPRESSION
		..1.		WMJMRFHC	"BIT2" FORCE HARDCOPY
		...1		WMJMRFNC	"BIT3" FORCE NO HARDCOPY
		.... 1...		WMJMRHCO	"BIT4" FORCE HARDCOPY ONLY
		.... .1..		WMJMRBCA	"BIT5" BROADCAST MESSAGE TO ACTIVE CONSOLES
		.... ..1.		WMJMRBCN	"BIT6" DO NOT BROADCAST MESSAGE TO ACTIVE CONSOLES
		1		WMJMRNRT	"BIT7" AMRF IS NOT TO RETAIN THIS MSG
214	(D6)	BITSTRING	1	WMJMRFB3	REQUEST FLAGS BYTE THREE
		1...		WMJMRRET	"BIT0" AMRF IS TO RETAIN THIS MSG
		.1..		WMJMRCKY	"BIT1" CHANGE THE RETRIEVAL KEY
		..1.		WMJMRCFC	"BIT2" CHANGE THE 4-BYTE CONSOLE ID
		...1		WMJMRCMF	"BIT3" CHANGE THE MESSAGE TYPE FLAGS
		.... 1...		WMJRANO	"BIT4" AUTOMATION IS NOT REQUIRED
		.... .1..		WMJRAYS	"BIT5" AUTOMATION IS REQUIRED AND/OR AUTOMATION TOKEN UPDATED
		.... ..1.		WMJMQHCO	"BIT6" MESSAGE ISSUED HARDCOPY ONLY
		1		WMJMRV43	"BIT7" Reserved - Was WMJMHUD
215	(D7)	BITSTRING	1	WMJMSUPB	SUPPRESSION BYTE
		1...		WMJMSNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1..		WMJMSEER	"BIT1" A WTO USER EXIT ABENDED WHILE PROCESSING THIS MESSAGE
		..1.		WMJMSNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WMJMSAUT	"BIT3" INDICATES AUTOMATION SPECIFIED

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		WMJM_PROCESSED_BY_MFA	"BIT4" Message Flood Automation processed this message
		.... .1..		WMJMSSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... ..1.		WMJMSWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE
		1		WMJMSMPF	"BIT7" SUPPRESSED BY MPF or Message Flood Automation
216	(D8)	SIGNED	2	WMJMMLVL(0)	MESSAGE LEVEL MASK FOR QUEUING
216	(D8)	BITSTRING	1	WMJMML1	FIRST BYTE OF LEVEL INDICATORS
		1...		WMJMMLR	"BIT0" WTOR
		.1..		WMJMMLIA	"BIT1" IMMEDIATE ACTION MESSAGE
		..1.		WMJMMLCE	"BIT2" CRITICAL EVENTUAL ACTION MESSAGE
		...1		WMJMMLE	"BIT3" EVENTUAL ACTION MESSAGE
		.... 1...		WMJMMLI	"BIT4" INFORMATIONAL MESSAGE
		.... .1..		WMJMMLBC	"BIT5" BROADCAST MESSAGE
217	(D9)	BITSTRING	1	WMJMML2	RESERVED
218	(DA)	SIGNED	2	WMJMLENG	WQE SIZE
220	(DC)	SIGNED	4	WMJDSQN	UNIVERSAL DISPLAY SEQUENCE NUMBER
224	(E0)	BITSTRING	16	WMJMERC(0)	EXTENDED ROUTING CODES
224	(E0)	BITSTRING	1	WMJMRC1	BYTE 1 - EXTENDED ROUTING CODES
		1...		WMJRC1	"BIT0" PRIMARY CONSOLE ACTION
		.1..		WMJRC2	"BIT1" PRIMARY CONSOLE INFORMATION
		..1.		WMJRC3	"BIT2" TAPE POOL
		...1		WMJRC4	"BIT3" DIRECT ACCESS POOL
		.... 1...		WMJRC5	"BIT4" TAPE LIBRARY
		.... .1..		WMJRC6	"BIT5" DISK LIBRARY
		.... ..1.		WMJRC7	"BIT6" UNIT RECORD POOL
		1		WMJRC8	"BIT7" TELEPROCESSING CONTROL
225	(E1)	BITSTRING	1	WMJMRC2	BYTE 2 - EXTENDED ROUTING CODES
		1...		WMJRC9	"BIT0" SYSTEM SECURITY
		.1..		WMJRC10	"BIT1" SYSTEM/ERROR MAINTENANCE
		..1.		WMJRC11	"BIT2" PROGRAMMER INFORMATION
		...1		WMJRC12	"BIT3" EMULATOR INFORMATION
		.... 1...		WMJRC13	"BIT4" USER ROUTING CODE
		.... .1..		WMJRC14	"BIT5" USER ROUTING CODE
		.... ..1.		WMJRC15	"BIT6" USER ROUTING CODE
		1		WMJRC16	"BIT7" USER ROUTING CODE
226	(E2)	BITSTRING	1	WMJMRC3	BYTE 3 - EXTENDED ROUTING CODES
		1...		WMJRC17	"BIT0" USER ROUTING CODE
		.1..		WMJRC18	"BIT1" USER ROUTING CODE
		..1.		WMJRC19	"BIT2" USER ROUTING CODE
		...1		WMJRC20	"BIT3" USER ROUTING CODE
		.... 1...		WMJRC21	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WMJRC22	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WMJRC23	"BIT6" RESERVED FOR JES USAGE
		1		WMJRC24	"BIT7" RESERVED FOR JES USAGE
227	(E3)	BITSTRING	1	WMJMRC4	BYTE 4 - EXTENDED ROUTING CODES
		1...		WMJRC25	"BIT0" RESERVED FOR JES USAGE
		.1..		WMJRC26	"BIT1" RESERVED FOR JES USAGE

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		WMJRC27	"BIT2" RESERVED FOR JES USAGE
		...1		WMJRC28	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WMJRC29	"BIT4" DISASTER RECOVERY
		.... .1..		WMJRC30	"BIT5" RESERVED
		.... ..1.		WMJRC31	"BIT6" RESERVED
		1		WMJRC32	"BIT7" RESERVED
228	(E4)	BITSTRING	1	WMJMRC5	BYTE 5 - EXTENDED ROUTING CODES
		1...		WMJRC33	"BIT0" RESERVED
		.1..		WMJRC34	"BIT1" RESERVED
		..1.		WMJRC35	"BIT2" RESERVED
		...1		WMJRC36	"BIT3" RESERVED
		.... 1...		WMJRC37	"BIT4" RESERVED
		.... .1..		WMJRC38	"BIT5" RESERVED
		.... ..1.		WMJRC39	"BIT6" RESERVED
		1		WMJRC40	"BIT7" RESERVED
229	(E5)	BITSTRING	1	WMJMRC6	BYTE 6 - EXTENDED ROUTING CODES
		1...		WMJRC41	"BIT0" JOB STATUS MESSAGE
		.1..		WMJRC42	"BIT1" GENERAL INFO ABOUT JES2 OR JES3
		..1.		WMJRC43	"BIT2" RESERVED FOR JES USAGE
		...1		WMJRC44	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WMJRC45	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WMJRC46	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WMJRC47	"BIT6" RESERVED FOR JES USAGE
		1		WMJRC48	"BIT7" RESERVED FOR JES USAGE
230	(E6)	BITSTRING	1	WMJMRC7	BYTE 7 - EXTENDED ROUTING CODES
		1...		WMJRC49	"BIT0" RESERVED FOR JES USAGE
		.1..		WMJRC50	"BIT1" RESERVED FOR JES USAGE
		..1.		WMJRC51	"BIT2" RESERVED FOR JES USAGE
		...1		WMJRC52	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WMJRC53	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WMJRC54	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WMJRC55	"BIT6" RESERVED FOR JES USAGE
		1		WMJRC56	"BIT7" RESERVED FOR JES USAGE
231	(E7)	BITSTRING	1	WMJMRC8	BYTE 8 - EXTENDED ROUTING CODES
		1...		WMJRC57	"BIT0" RESERVED FOR JES USAGE
		.1..		WMJRC58	"BIT1" RESERVED FOR JES USAGE
		..1.		WMJRC59	"BIT2" RESERVED FOR JES USAGE
		...1		WMJRC60	"BIT3" RESERVED FOR JES USAGE
		.... 1...		WMJRC61	"BIT4" RESERVED FOR JES USAGE
		.... .1..		WMJRC62	"BIT5" RESERVED FOR JES USAGE
		.... ..1.		WMJRC63	"BIT6" RESERVED FOR JES USAGE
		1		WMJRC64	"BIT7" RESERVED FOR JES USAGE
232	(E8)	BITSTRING	1	WMJMRC9	BYTE 9 - EXTENDED ROUTING CODES
		1...		WMJRC65	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WMJRC66	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WMJRC67	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WMJRC68	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WMJRC69	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WMJRC70	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WMJRC71	"BIT6" PROCESSOR RELATED MESSAGE
		1		WMJRC72	"BIT7" PROCESSOR RELATED MESSAGE

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
233	(E9)	BITSTRING	1	WMJMRC10	BYTE 10 - EXTENDED ROUTING CODES
		1...		WMJRC73	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WMJRC74	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WMJRC75	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WMJRC76	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WMJRC77	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WMJRC78	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WMJRC79	"BIT6" PROCESSOR RELATED MESSAGE
		1		WMJRC80	"BIT7" PROCESSOR RELATED MESSAGE
234	(EA)	BITSTRING	1	WMJMRC11	BYTE 11 - EXTENDED ROUTING CODES
		1...		WMJRC81	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WMJRC82	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WMJRC83	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WMJRC84	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WMJRC85	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WMJRC86	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WMJRC87	"BIT6" PROCESSOR RELATED MESSAGE
		1		WMJRC88	"BIT7" PROCESSOR RELATED MESSAGE
235	(EB)	BITSTRING	1	WMJMRC12	BYTE 12 - EXTENDED ROUTING CODES
		1...		WMJRC89	"BIT0" PROCESSOR RELATED MESSAGE
		.1..		WMJRC90	"BIT1" PROCESSOR RELATED MESSAGE
		..1.		WMJRC91	"BIT2" PROCESSOR RELATED MESSAGE
		...1		WMJRC92	"BIT3" PROCESSOR RELATED MESSAGE
		.... 1...		WMJRC93	"BIT4" PROCESSOR RELATED MESSAGE
		.... .1..		WMJRC94	"BIT5" PROCESSOR RELATED MESSAGE
		.... ..1.		WMJRC95	"BIT6" PROCESSOR RELATED MESSAGE
		1		WMJRC96	"BIT7" PROCESSOR RELATED MESSAGE
236	(EC)	BITSTRING	1	WMJMRC13	BYTE 13 - EXTENDED ROUTING CODES
		1...		WMJRC97	"BIT0" DEVICE RELATED MESSAGE
		.1..		WMJRC98	"BIT1" DEVICE RELATED MESSAGE
		..1.		WMJRC99	"BIT2" DEVICE RELATED MESSAGE
		...1		WMJRC100	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WMJRC101	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WMJRC102	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WMJRC103	"BIT6" DEVICE RELATED MESSAGE
		1		WMJRC104	"BIT7" DEVICE RELATED MESSAGE
237	(ED)	BITSTRING	1	WMJMRC14	BYTE 14 - EXTENDED ROUTING CODES
		1...		WMJRC105	"BIT0" DEVICE RELATED MESSAGE
		.1..		WMJRC106	"BIT1" DEVICE RELATED MESSAGE
		..1.		WMJRC107	"BIT2" DEVICE RELATED MESSAGE
		...1		WMJRC108	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WMJRC109	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WMJRC110	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WMJRC111	"BIT6" DEVICE RELATED MESSAGE
		1		WMJRC112	"BIT7" DEVICE RELATED MESSAGE
238	(EE)	BITSTRING	1	WMJMRC15	BYTE 15 - EXTENDED ROUTING CODES
		1...		WMJRC113	"BIT0" DEVICE RELATED MESSAGE
		.1..		WMJRC114	"BIT1" DEVICE RELATED MESSAGE
		..1.		WMJRC115	"BIT2" DEVICE RELATED MESSAGE
		...1		WMJRC116	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WMJRC117	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WMJRC118	"BIT5" DEVICE RELATED MESSAGE

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		WMJRC119	"BIT6" DEVICE RELATED MESSAGE
		1		WMJRC120	"BIT7" DEVICE RELATED MESSAGE
239	(EF)	BITSTRING	1	WMJMRC16	BYTE 16 - EXTENDED ROUTING CODES
		1...		WMJRC121	"BIT0" DEVICE RELATED MESSAGE
		.1..		WMJRC122	"BIT1" DEVICE RELATED MESSAGE
		..1.		WMJRC123	"BIT2" DEVICE RELATED MESSAGE
		...1		WMJRC124	"BIT3" DEVICE RELATED MESSAGE
		.... 1...		WMJRC125	"BIT4" DEVICE RELATED MESSAGE
		.... .1..		WMJRC126	"BIT5" DEVICE RELATED MESSAGE
		.... ..1.		WMJRC127	"BIT6" DEVICE RELATED MESSAGE
		1		WMJRC128	"BIT7" DEVICE RELATED MESSAGE
240	(F0)	CHARACTER	8	WMJMKEY	RETRIEVAL KEY
248	(F8)	SIGNED	4	WMJMTOKN	TOKEN FOR DOM
252	(FC)	CHARACTER	4	WMJMCNID	FULLWORD CONSOLE ID Note: This console id may not have a console name associated with it. The console id itself may not correspond to a real console. Console ids 00FFFFFFx and 000000FFx are examples of this.
256	(100)	CHARACTER	8	WMJMOJBI	ORIGINATING JOB ID
264	(108)	CHARACTER	8	WMJMOJBN	ORIGINATING JOB NAME
272	(110)	ADDRESS	2	WMJMPRTY	Reserved - No longer used. Will be deleted in a future release
274	(112)	CHARACTER	8	WMJAUTOT	AUTOMATION TOKEN VALUE
282	(11A)	CHARACTER	4	WMJERFS(0)	EXTENDED REQUEST FLAGS (FROM THE USER EXIT TO THE SYSTEM)
282	(11A)	BITSTRING	1	WMJMERF1	REQUEST FLAGS BYTE ONE
		1...		WMJEMRY	"X'80'" PRIMARY SUBSYSTEM CAN ALTER MSG ROUTING
		.1..		WMJEMRN	"X'40'" PRIMARY SUBSYSTEM CAN NOT ALTER MSG ROUTING
		..1.		WMJEMCO	"X'20'" REQUEST TO CHANGE MESSAGE COLOR
		...1		WMJEMHI	"X'10'" REQUEST TO CHANGE MESSAGE HIGHLIGHTING
		.... 1...		WMJEMIN	"X'08'" REQUEST TO CHANGE MESSAGE INTENSITY
283	(11B)	BITSTRING	1	WMJERF2	REQUEST FLAGS BYTE TWO
284	(11C)	BITSTRING	1	WMJERF3	REQUEST FLAGS BYTE THREE
		1...		WMJESJL	"X'80'" REQUEST TO SUPPRESS MESSAGE FROM THE JOBLOG
		.1..		WMJNWTP	"X'40'" REQUEST TO NOT DO WTP PROCESSING (NO SYSMSG OR TPUT)
285	(11D)	BITSTRING	1	WMJERF4	REQUEST FLAGS BYTE FOUR
286	(11E)	BITSTRING	1	WMJJ3RTC	JES3 GLOBAL ROUTING - FOR USE BY JES3 ONLY
287	(11F)	BITSTRING	1	WMJJ3MRC	GLOBAL MESSAGE ROUTING CONTROLS - FOR USE BY JES3 ONLY
288	(120)	BITSTRING	2	WMJJ3CON	JES3 CONSOLE ID (FOR MINOR WQE PROCESSING) - FOR USE BY JES3 ONLY
290	(122)	CHARACTER	8	WMJMCNME	CONSOLE NAME
298	(12A)	CHARACTER	8	WMJMCART	CART ADDRESS

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
306	(132)	CHARACTER	2	WMJMXIF(0)	MISCELLANEOUS AND MINOR ERROR INFORMATION FLAGS
306	(132)	BITSTRING	1	WMJMXIF1	MISC AND MINOR ERROR FLAG BYTE 1
		1...		WMJMTXTR	"BIT0" MESSAGE TEXT WAS TRUNCATED
		.1..		WMJMXNVT	"BIT1" INVALID USER EXIT TEXT MODIFICATION
		..1.		WMJMXMER	"BIT2" MUTUALLY EXCLUSIVE USER EXIT REQUESTS MADE
		...1		WMJMXIRM	"BIT3" INCOMPATIBLE USER EXIT REQUESTS MADE
		.... 1...		WMJMDMDB	"BIT4" DOM MDBS HAVE BEEN BUILT
307	(133)	BITSTRING	1	WMJMXIF2	MISC AND MINOR ERROR FLAG BYTE 2
		1...		WMJRSV95	"BIT0" Reserved - Was WMJQONLY
		.1..		WMJAMRFO	"BIT1" WQE IS FOR AMRF PURPOSES ONLY
		..1.		WMJAMRFA	"BIT2" AMRF IS ACTIVE ON ISSUING SYSTEM
		...1		WMJMQD	"BIT3" WQE WENT THROUGH QUEUEING ALREADY
		.... 1...		WMJMWTPR	"BIT4" WTP REQUEST - ROUTE CODE 11 WAS ON AFTER CALLING WTO USER EXIT
		.... .1..		WMJMMFR	"BIT5" WQE WAS MODIFIED FOR REISSUE BY QUEUING
		.... ..1.		WMJAMRFR	"BIT6" ISSUED FOR AMRF REFRESH
		1		WMJQTSYS	"BIT7" QUEUE MESSAGE JUST ON THIS SYSTEM
308	(134)	SIGNED	4	WMJMRSV67	Reserved (was WMJMXTUC)
312	(138)	CHARACTER	1	WMJMRSV42	Reserved
313	(139)	SIGNED	1	WMJM_AUTOR_REPLY_LEN	Reply length for auto-reply
314	(13A)	SIGNED	2	WMJM_AUTOR_DELAY	Auto-reply delay time
316	(13C)	BITSTRING	1	WMJBENIP	BRANCH ENTRY/NIP FLAGS
		1...		WMJMDOMD	"BIT0" MESSAGE HAS PREVIOUSLY BEEN DOM'D
		.1..		WMJMNBEW	"BIT1" WQE CREATED BY NIP OR BE WTO
		..1.		WMJMHABD	"BIT2" HAS ALREADY BEEN DISPLAYED
		...1		WMJMASCB	"BIT3" ASCB SPECIFIED
		.... 1...		WMJMDFSL	"BIT4" SLIP processing deferred until reissue
317	(13D)	BITSTRING	1	WMJQDSYS	WQE DESTINATIONS COUNTER
318	(13E)	CHARACTER	1	WMJCASEL	MESSAGE COLOR
319	(13F)	CHARACTER	1	WMJHASEL	MESSAGE HIGHLIGHTING
320	(140)	CHARACTER	1	WMJIASEL	MESSAGE INTENSITY
MISCELLANEOUS ROUTING INFORMATION					
321	(141)	BITSTRING	1	WMJMMISC	MISCELLANEOUS ROUTING INFORMATION
		1...		WMJMRV44	"BIT0" Reserved - Was WMJMUD
		.1..		WMJMRV45	"BIT1" Reserved - Was WMJMFUDO
		..1.		WMJMFIDO	"BIT2" QUEUE BY ID ONLY
		...1		WMJMAUTO	"BIT3" QUEUE BY AUTOMATION

Table 591. Structure WQEMAJ (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... 1...		WMJMHC	"BIT4" QUEUE BY HARDCOPY
		.... .1..		WMJMINTC	"BIT5" Directed to INTIDS (Console ID ZERO)
		.... ..1.		WMJMUNKC	"BIT6" Directed to UNKNIDS (Unknown CNID)
322	(142)	BITSTRING	2	WMJMTSNT	TOTAL COUNT OF TDPS SENT OUT FOR THIS MULTI-LINE
324	(144)	SIGNED	4	WQERSVDB	RESERVED - MAPS TO WQERPYIB
328	(148)	BITSTRING	4	WMJMTS3	STCK FORM OF TIME STAMP Note - if task has been in a wait for resources, this is the time after returning from the wait
332	(14C)	BITSTRING	4	WMJMFTOD	AMRF FAILURE TIME
336	(150)	CHARACTER	8		Reserved - Was WMJMQLST
344	(158)	ADDRESS	1	WMJMRIDL	LENGTH OF REPLY ID IN MESSAGE TEXT
345	(159)	BITSTRING	1	WMJMISCC	MISCELLANEOUS CONTROL PROGRAM FLAGS
		1...		WMJMSPVD	"BIT0" WQE BACKLOG MESSAGE
		.1..		WMJMPRIV	"BIT1" Original issuer was privileged
		..1.		WMJMQNLY	"BIT2" Send to console and nowhere else
345	(159)	X'10'	0	WMJM_AUTOR_DATA_VALID	"Bit3" WQE contains valid auto-reply data
345	(159)	X'8'	0	WMJM_AUTOR_DELAY_IN_SEC	"Bit4" Auto-reply delay time is in seconds
346	(15A)	CHARACTER	2	WMJMCENT	Century portion of date, in EBCDIC
348	(15C)	BITSTRING	4	WMJMLTOD	Stck time last minor added to MLWTO
352	(160)	CHARACTER	4	WMJM_ACRO	Acronym 'WQE '
356	(164)	CHARACTER	16	WMJM_ISSUED_ETOD	Time message issued. In STCKE format
372	(174)	CHARACTER	64	WMJM_AUTOR_REPLY	Auto-reply reply
436	(1B4)	CHARACTER	28	WMJMRSV100	Reserved
436	(1B4)	X'1D0'	0	WMJMSIZE	"*-WMJM" - SIZE OF MAJOR WQE ICB433

Table 592. Structure WQEMIN

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	WQEMIN	, - MINOR WQE
0	(0)	X'0'	0	WMNM	"*" - START OF MINOR WQE
0	(0)	ADDRESS	4	WMNMNX1(0)	POINTER TO SECOND HALF OF WQE
0	(0)	ADDRESS	4	WMNMNEXTMINOR1	POINTER TO SECOND HALF OF WQE
4	(4)	BITSTRING	1	WMNMML1	- MLWTO FLAGS FOR FIRST MESSAGE
		1...		WQERSV62	"BIT0,,C'X'" - RESERVED
		.1..		WMNMML1B	"BIT1" - MAJOR WQE
		..1.		WMNMML1C	"BIT2" - MINOR WQE
		...1		WMNMML1D	"BIT3" - CHAIN ALTERED
		.... 1...		WMNMML1E	"BIT4" - WTL ISSUED

Table 592. Structure WQEMIN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		WMNMML1F	"BIT5" - MINOR WQE FOR ABEND ICB433
		.... ..1.		WMNMML1G	"BIT6" - SERVICE THIS CHAIN
		1		WMNMML1H	"BIT7" - MINOR WQE ACQUIRED BY GETMAIN ICB461
5	(5)	BITSTRING	1	WMNMLT1	- LINE TYPE FLAGS FOR FIRST MESSAGE
		1...		WMNMLT1A	"BIT0" - CONTROL LINE
		.1..		WMNMLT1B	"BIT1" - LABEL LINE
		..1.		WMNMLT1C	"BIT2" - DATA LINE
		...1		WMNMLT1D	"BIT3" - END INDICATOR
		.... 1...		WQERSV63	"BIT4,,C'X'" - RESERVED (Used by MDB)
		.... .1..		WMNMLT1F	"BIT5" - Verbose (optional) line
		.... ..1.		WQERSV65	"BIT6,,C'X'" - RESERVED
		1		WQERSV66	"BIT7,,C'X'" - RESERVED
6	(6)	SIGNED	1	WMNMLTH1	LENGTH OF 1 MINOR WQE
7	(7)	SIGNED	1	WMNMTL1	- LENGTH OF FIRST MESSAGE TEXT
8	(8)	CHARACTER	4	WMNMHCT1	- HARDCOPY ID FOR FIRST MESSAGE
12	(C)	CHARACTER	72	WMNMTXT1	- FIRST MESSAGE TEXT (MAX 72 BYTES)
84	(54)	BITSTRING	1	WMNMST1	- STATUS FLAGS
		1...		WMNMTPD1	"BIT0" - TPUT DONE
		.1..		WMNMTRC1	"BIT1" - FIRST MINOR WQE HAS BEEN MASTER TRACED
		..1.		WMNMWTP1	"BIT2" - MINOR 1 TEXT HAS BEEN PUT/TPUT BY CNZS1WTP - DON'T DO IT AGAIN
		...1		WQERSVB1	"BIT3,,C'X'" - RESERVED
		.... 1...		WQERSVB2	"BIT4,,C'X'" - RESERVED
		.... .1..		WQERSVB3	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSVB4	"BIT6,,C'X'" - RESERVED
		1		WQERSVB5	"BIT7,,C'X'" - RESERVED
85	(55)	BITSTRING	1	WMNMMSF1	MISCELLANEOUS FLAGS
		1...		WMNMRV99	"BIT0" RESERVED
		.1..		WMNMRV9A	"BIT1" RESERVED
		..1.		WMNMTRAN	"BIT2" WQE HAS BEEN TRANSPORTED TO ANOTHER SYSTEM
86	(56)	SIGNED	2	WMNMUC1	USE COUNT 1
88	(58)	SIGNED	4	WMNMSEQ1	SEQUENCE NUMBER (CONNECT ID)
92	(5C)	CHARACTER	4	WMN1XMOD(0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
92	(5C)	CHARACTER	3	WMN1FLGS(0)	COMM TASK USER EXIT REQUESTS
92	(5C)	BITSTRING	1	WMN1RFB1	REQUEST FLAGS BYTE ONE
		1...		WMN1RCMT	"BIT0" CHANGE THE MESSAGE TEXT
		.1..		WQERSV81	"BIT1" Reserved - Equivalence in Major WQE
		..1.		WQERSV82	"BIT2" Reserved - Equivalence in Major WQE
		...1		WQERSV83	"BIT3" Reserved - Equivalence in Major WQE
		.... 1...		WQERSV84	"BIT4" Reserved - Equivalence in Major WQE

Table 592. Structure WQEMIN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... .1..		WQERSV85	"BIT5" Reserved - Equivalence in Major WQE
		.... ..1.		WQERSV86	"BIT6" Reserved - Equivalence in Major WQE
		1		WMN1RPML	"BIT7" PROCESS THE MINOR LINES
93	(5D)	BITSTRING	1	WMN1RFB2	REQUEST FLAGS BYTE TWO
94	(5E)	BITSTRING	1	WMN1RFB3	Request flags byte three
		.... ..1.		WMN1QHCO	"BIT6" Message issued as hardcopy only
95	(5F)	BITSTRING	1	WMN1SUPB	SUPPRESSION BYTE
		1...		WMN1SNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1..		WMN1SEER	"BIT1" A WTO USER EXIT ABENDED WHILE PROCESSING THIS MESSAGE
		..1.		WMN1SNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WMN1SAUT	"BIT3" INDICATES AUTOMATION SPECIFIED
		.... 1...		WMN1_PROCESSED_BY_MFA	"BIT4" Message Flood Automation processed this message
		.... .1..		WMN1SSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... ..1.		WMN1SWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE
		1		WMN1SMPF	"BIT7" SUPPRESSED BY MPF or Message Flood Automation
96	(60)	ADDRESS	4	WMNMNX2(0)	ADDRESS OF NEXT MINOR WQE OR ZERO
96	(60)	ADDRESS	4	WMNMNEXTMINOR2	ADDRESS OF NEXT MINOR WQE OR ZERO
100	(64)	BITSTRING	1	WMNMML2	- MLWTO FLAGS FOR SECOND MESSAGE
		1...		WQERSV68	"BIT0,,C'X'" - RESERVED
		.1..		WMNMML2B	"BIT1" - MAJOR WQE
		..1.		WMNMML2C	"BIT2" - MINOR WQE
		...1		WMNMML2D	"BIT3" - CHAIN ALTERED
		.... 1...		WMNMML2E	"BIT4" - WTL ISSUED
		.... .1..		WQERSV69	"BIT5,,C'X'" - RESERVED
		.... ..1.		WMNMML2G	"BIT6" - SERVICE THIS CHAIN
		1		WMNMRSV1	"BIT7" - RESERVED - WAS WMNMML2H
101	(65)	BITSTRING	1	WMNMLT2	- LINE TYPE FLAGS FOR SECOND MESSAGE
		1...		WMNMLT2A	"BIT0" - CONTROL LINE
		.1..		WMNMLT2B	"BIT1" - LABEL LINE
		..1.		WMNMLT2C	"BIT2" - DATA LINE
		...1		WMNMLT2D	"BIT3" - END INDICATOR
		.... 1...		WQERSV70	"BIT4,,C'X'" - RESERVED (Used by MDB)
		.... .1..		WMNMLT2F	"BIT5" Verbose (optional) line
		.... ..1.		WQERSV72	"BIT6,,C'X'" - RESERVED
		1		WQERSV73	"BIT7,,C'X'" - RESERVED
102	(66)	SIGNED	1	WMNMLTH2	LENGTH OF 1 MINOR WQE
103	(67)	SIGNED	1	WMNMTL2	- LENGTH OF SECOND MESSAGE TEXT
104	(68)	CHARACTER	4	WMNMHCT2	- HARDCOPY ID FOR SECOND MESSAGE

Table 592. Structure WQEMIN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
108	(6C)	CHARACTER	72	WMNMTXT2	- SECOND MESSAGE TEXT (MAX 72 BYTES)
180	(B4)	BITSTRING	1	WMNMST2	- STATUS FLAGS
		1...		WMNMTPD2	"BIT0" - TPUT DONE
		.1..		WMNMTRC2	"BIT1" - SECOND MINOR WQE HAS BEEN MASTER TRACED
		..1.		WMNMWTP2	"BIT2" - MINOR 2 TEXT HAS BEEN PUT/TPUT BY CNZS1WTP - DON'T DO IT AGAIN
		...1		WQERSVC1	"BIT3,,C'X'" - RESERVED
		.... 1...		WQERSVC2	"BIT4,,C'X'" - RESERVED
		.... .1..		WQERSVC3	"BIT5,,C'X'" - RESERVED
		.... ..1.		WQERSVC4	"BIT6,,C'X'" - RESERVED
		1		WQERSVC5	"BIT7,,C'X'" - RESERVED
181	(B5)	BITSTRING	1	WMN2MSF2	RESERVED
182	(B6)	SIGNED	2	WMNMUC2	USE COUNT 2
184	(B8)	SIGNED	4	WMNMSEQ2	SEQUENCE NUMBER (CONNECT ID)
188	(BC)	CHARACTER	4	WMN2XMOD(0)	COPY OF REQUEST FLAGS (CTXTRFLG) FROM THE WTO USER EXIT INTERFACE
188	(BC)	CHARACTER	3	WMN2FLGS(0)	COMM TASK USER EXIT REQUESTS
188	(BC)	BITSTRING	1	WMN2RFB1	REQUEST FLAGS BYTE ONE
		1...		WMN2RCMT	"BIT0" CHANGE THE MESSAGE TEXT
		.1..		WQERSV87	"BIT1" Reserved - Equivalence in Major WQE
		..1.		WQERSV88	"BIT2" Reserved - Equivalence in Major WQE
		...1		WQERSV89	"BIT3" Reserved - Equivalence in Major WQE
		.... 1...		WQERSV90	"BIT4" Reserved - Equivalence in Major WQE
		.... .1..		WQERSV91	"BIT5" Reserved - Equivalence in Major WQE
		.... ..1.		WQERSV92	"BIT6" Reserved - Equivalence in Major WQE
		1		WMN2RPML	"BIT7" PROCESS MINOR LINES
189	(BD)	BITSTRING	1	WMN2RFB2	REQUEST FLAGS BYTE TWO
190	(BE)	BITSTRING	1	WMN2RFB3	Request flags byte three
		.... ..1.		WMN2QHCO	"BIT6" Message issued as hardcopy only
191	(BF)	BITSTRING	1	WMN2SUPB	SUPPRESSION BYTE
		1...		WMN2SNSV	"BIT0" NOT SERVICED BY ANY WTO USER EXIT ROUTINE
		.1..		WMN2SEER	"BIT1" A WTO USER EXIT ABENDED WHILE PROCESSING THIS MESSAGE
		..1.		WMN2SNSI	"BIT2" NOT SERVICED BECAUSE OF AN INCOMPATIBLE REQUEST
		...1		WMN2SAUT	"BIT3" INDICATES AUTOMATION SPECIFIED
		.... 1...		WMN2_PROCESSED_BY_MFA	"BIT4" Message Flood Automation processed this message
		.... .1..		WMN2SSSI	"BIT5" SUPPRESSED BY A SUBSYSTEM
		.... ..1.		WMN2SWTO	"BIT6" SUPPRESSED BY A WTO USER EXIT ROUTINE

Table 592. Structure WQEMIN (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		1		WMN2SMPF	"BIT7" SUPPRESSED BY MPF or Message Flood Automation
192	(C0)	SIGNED	4	WMNM1R99(4)	RESERVED
208	(D0)	SIGNED	4	WMNM2R99(4)	RESERVED
224	(E0)	CHARACTER	128	WMNMRSVD	RESERVED
352	(160)	CHARACTER	4	WMNM_ACRO	Acronym 'WQE '
356	(164)	CHARACTER	108	WMNMRSV100	Reserved
356	(164)	X'1D0'	0	WMNMSIZE	"*-WMNM" - SIZE OF MINOR WQE ICB433
356	(164)	X'60'	0	WMNMMSIZ	"WMNMNX2-WMNMNX1" - Minor WQE msg section length

Table 593. Cross Reference for WQE

Name	Offset	Hex Tag
IHAWQE_KHBB7770_WQESIZE	BB	1D0
IHAWQE_KJBB7727_WQESIZE	BB	180
IHAWQE_KOW32623_WQESIZE	BB	160
WMJAMRFA	133	20
WMJAMRFO	133	40
WMJAMRFR	133	2
WMJAUTOT	112	
WMJAUTOV	B5	4
WMJBENIP	13C	
WMJCASEL	13E	
WMJCHAR1	B2	
WMJDLVRD	B3	80
WMJDNDWQ	B3	40
WMJDSQN	DC	
WMJECONN	C2	10
WMJECONS	C2	40
WMJEMCO	11A	20
WMJEMHI	11A	10
WMJEMIN	11A	8
WMJEMRN	11A	40
WMJEMRY	11A	80
WMJERFS	11A	
WMJERF2	11B	
WMJERF3	11C	
WMJERF4	11D	
WMJESJL	11C	80
WMJEWTOR	C2	8
WMJFLG1	B5	
WMJFLG11	B5	80
WMJHASEL	13F	
WMJIASEL	140	
WMJJ3B1	B3	10
WMJJ3B2	B3	8
WMJJ3CON	120	

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMJJ3MRC	11F	
WMJJ3RTC	11E	
WMJM	0	0
WMJM_ACRO	160	
WMJM_AUTOR_DATA_VALID	159	10
WMJM_AUTOR_DELAY	13A	
WMJM_AUTOR_DELAY_IN_SEC	159	8
WMJM_AUTOR_REPLY	174	
WMJM_AUTOR_REPLY_LEN	139	
WMJM_ISSUED_ETOD	164	
WMJM_PROCESSED_BY_MFA	D7	8
WMJMAREA	5	
WMJMASCB	13C	10
WMJMASID	A1	
WMJMAUTO	141	10
WMJMBUF	A3	
WMJMBUFA	A3	80
WMJMBUFB	A3	40
WMJMBUFC	A3	20
WMJMBUFD	A3	10
WMJMBUFE	A3	8
WMJMBUFF	A3	4
WMJMBUFG	A3	2
WMJMCART	12A	
WMJMCENT	15A	
WMJMCE1	C2	
WMJMCE2	C3	
WMJMCNID	FC	
WMJMCNM	C2	2
WMJMCNME	122	
WMJMCONS	94	20
WMJMCS	AC	
WMJMCSE	C2	
WMJMCS1	AC	
WMJMCS1A	AC	80
WMJMCS1B	AC	40
WMJMCS1C	AC	20
WMJMCS1D	AC	10
WMJMCS1E	AC	8
WMJMCS1F	AC	4
WMJMCS1G	AC	2
WMJMCS2	AD	
WMJMCS2A	AD	80
WMJMCS2B	AD	40
WMJMCS2C	AD	20
WMJMCS2D	AD	10
WMJMCS2E	AD	8
WMJMCS2F	AD	4
WMJMCS2G	AD	2

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMJMCS2H	AD	1
WMJMDATE	CC	
WMJMDEC	B8	
WMJMDECA	B8	80
WMJMDECB	B8	40
WMJMDECC	B8	20
WMJMDECD	B8	10
WMJMDECE	B8	8
WMJMDECF	B8	4
WMJMDECG	B8	2
WMJMDECH	B8	1
WMJMDECI	B9	80
WMJMDECJ	B9	40
WMJMDECK	B9	20
WMJMDECL	B9	10
WMJMDECM	B9	8
WMJMDEC1	B8	
WMJMDEC2	B9	
WMJMDEC3	BA	
WMJMDEC4	BB	
WMJMDFSL	13C	8
WMJMDMDB	132	8
WMJMDOMD	13C	80
WMJMDSP	A0	
WMJMDSPA	A0	80
WMJMDSPB	A0	40
WMJMDSPC	A0	20
WMJMDSPD	A0	10
WMJMDSPE	A0	8
WMJMDSPF	A0	4
WMJMDSPG	A0	2
WMJMDSPH	A0	1
WMJMECBF	94	
WMJMERC	E0	
WMJMERF1	11A	
WMJMEXT	0	
WMJMFIDO	141	20
WMJMFLGS	D4	
WMJMFLG2	C1	
WMJMFLG3	B3	
WMJMFORN	C1	20
WMJMFTOD	14C	
WMJMHABD	13C	20
WMJMHC	141	8
WMJMHCID	67	
WMJMINTC	141	4
WMJMISCC	159	
WMJMJBNM	16	
WMJMJTCB	BC	

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMJMKEY	F0	
WMJMLCPL	C1	40
WMJMLENG	DA	
WMJMLTOD	15C	
WMJMLTYA	86	80
WMJMLTYB	86	40
WMJMLTYC	86	20
WMJMLTYD	86	10
WMJMLTYF	86	4
WMJMLTYP	86	
WMJMLTY1	86	
WMJMLTY2	87	
WMJMMAJD	94	40
WMJMMFR	133	4
WMJMMIN	88	
WMJMMISC	141	
WMJMMLBC	D8	4
WMJMMLCE	D8	20
WMJMMLE	D8	10
WMJMMLI	D8	8
WMJMMLIA	D8	40
WMJMMLR	D8	80
WMJMMLVL	D8	
WMJMMLW	4	
WMJMMLWA	4	80
WMJMMLWB	4	40
WMJMMLWC	4	20
WMJMMLWD	4	10
WMJMMLWE	4	8
WMJMMLWF	4	4
WMJMMLWG	4	2
WMJMMLWH	4	1
WMJMML1	D8	
WMJMML2	D9	
WMJMMSGN	90	
WMJMMT	AE	
WMJMMT1	AE	
WMJMMT1A	AE	80
WMJMMT1B	AE	40
WMJMMT1D	AE	10
WMJMMT1F	AE	4
WMJMMT2	AF	
WMJMNBEW	13C	40
WMJMNMOD	B5	20
WMJMOJBI	100	
WMJMOJBN	108	
WMJMPAD	C	
WMJMPAD1	15	
WMJMPAD2	1E	

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMJMPAD3	6B	
WMJMPRIV	159	40
WMJMPRTY	110	
WMJMPSB1	94	10
WMJMQD	133	10
WMJMQHCO	D6	2
WMJMQNLY	159	20
WMJMRBCA	D5	4
WMJMRBCN	D5	2
WMJMRCDC	D4	20
WMJMRCFC	D6	20
WMJMRCKY	D6	40
WMJMRCMF	D6	10
WMJMRCMT	D4	80
WMJMRCRC	D4	40
WMJMRCTA	B0	80
WMJMRCTB	B0	40
WMJMRCTC	B0	20
WMJMRCTD	B0	10
WMJMRCTE	B0	8
WMJMRCTF	B0	4
WMJMRCTG	B0	2
WMJMRCTH	B0	1
WMJMRCTI	B1	80
WMJMRCTJ	B1	40
WMJMRCTK	B1	20
WMJMRCTL	B1	10
WMJMRCTM	B1	8
WMJMRCTN	B1	4
WMJMRCTO	B1	2
WMJMRCTP	B1	1
WMJMRCT1	B0	
WMJMRCT2	B1	
WMJMRC1	E0	
WMJMRC10	E9	
WMJMRC11	EA	
WMJMRC12	EB	
WMJMRC13	EC	
WMJMRC14	ED	
WMJMRC15	EE	
WMJMRC16	EF	
WMJMRC2	E1	
WMJMRC3	E2	
WMJMRC4	E3	
WMJMRC5	E4	
WMJMRC6	E5	
WMJMRC7	E6	
WMJMRC8	E7	
WMJMRC9	E8	

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMJMRDTM	D5	80
WMJMRESA	6C	
WMJMRETN	B5	40
WMJMRFB1	D4	
WMJMRFB2	D5	
WMJMRFB3	D6	
WMJMRFHC	D5	20
WMJMRFNC	D5	10
WMJMRHCO	D5	8
WMJMRIDL	158	
WMJMRISS	B5	1
WMJMRNRT	D5	1
WMJMROMS	D5	40
WMJMRPML	D4	1
WMJMRQPC	D4	10
WMJMRQRC	D4	4
WMJMRQUN	D4	8
WMJMRRET	D6	80
WMJMRSV100	1B4	
WMJMRSV42	138	
WMJMRSV67	134	
WMJMRTC	B0	
WMJMRTCT	8	
WMJMRV1A	C3	8
WMJMRV1B	C3	4
WMJMRV1C	C3	2
WMJMRV1D	C3	1
WMJMRV43	D6	1
WMJMRV44	141	80
WMJMRV45	141	40
WMJMRV9A	94	8
WMJMRV9B	C3	20
WMJMRV9C	C3	10
WMJMRV9D	8C	
WMJMRV9E	94	80
WMJMRV93	C2	20
WMJMRV94	C2	4
WMJMSAUT	D7	10
WMJMSEER	D7	40
WMJMSEQ	A9	
WMJMSEQ#	A8	
WMJMSER	7A	
WMJMSERA	7A	80
WMJMSERB	7A	40
WMJMSERC	7A	20
WMJMSERD	7A	10
WMJMSERE	7A	8
WMJMSER1	7A	
WMJMSER2	7B	

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMJMSID	A8	
WMJMSIZE	1B4	1D0
WMJMSMPF	D7	1
WMJMSNM	C4	
WMJMSNSI	D7	20
WMJMSNSV	D7	80
WMJMSPVD	159	80
WMJMSSSI	D7	4
WMJMSUPB	D7	
WMJMSWTO	D7	2
WMJMTCB	A4	
WMJMTOKN	F8	
WMJMTRAN	C1	10
WMJMTRCD	A3	1
WMJMTS	D	
WMJMTSNT	142	
WMJMTS2	D1	
WMJMTS3	148	
WMJMTXT	1F	
WMJMTXTA	C3	80
WMJMTXTL	6	
WMJMTXTR	132	80
WMJMUC	A	
WMJMUNKC	141	2
WMJMVRSN	C0	
WMJMWTP	94	4
WMJMWTPR	133	8
WMJMXIF	132	
WMJMXIF1	132	
WMJMXIF2	133	
WMJMXIRM	132	10
WMJMXMER	132	20
WMJMXMOD	D4	
WMJMXNVT	132	40
WMJNOJLG	B5	8
WMJNSHIP	C3	40
WMJNSYL	B3	20
WMJNWTP	11C	40
WMJPPNA	B5	2
WMJQDSYS	13D	
WMJQEXT	C1	2
WMJQMCS	C1	1
WMJQTSYS	133	1
WMJQXSYS	C1	4
WMJRANO	D6	8
WMJRAYS	D6	4
WMJRC1	E0	80
WMJRC10	E1	40
WMJRC100	EC	10

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMJRC101	EC	8
WMJRC102	EC	4
WMJRC103	EC	2
WMJRC104	EC	1
WMJRC105	ED	80
WMJRC106	ED	40
WMJRC107	ED	20
WMJRC108	ED	10
WMJRC109	ED	8
WMJRC11	E1	20
WMJRC110	ED	4
WMJRC111	ED	2
WMJRC112	ED	1
WMJRC113	EE	80
WMJRC114	EE	40
WMJRC115	EE	20
WMJRC116	EE	10
WMJRC117	EE	8
WMJRC118	EE	4
WMJRC119	EE	2
WMJRC12	E1	10
WMJRC120	EE	1
WMJRC121	EF	80
WMJRC122	EF	40
WMJRC123	EF	20
WMJRC124	EF	10
WMJRC125	EF	8
WMJRC126	EF	4
WMJRC127	EF	2
WMJRC128	EF	1
WMJRC13	E1	8
WMJRC14	E1	4
WMJRC15	E1	2
WMJRC16	E1	1
WMJRC17	E2	80
WMJRC18	E2	40
WMJRC19	E2	20
WMJRC2	E0	40
WMJRC20	E2	10
WMJRC21	E2	8
WMJRC22	E2	4
WMJRC23	E2	2
WMJRC24	E2	1
WMJRC25	E3	80
WMJRC26	E3	40
WMJRC27	E3	20
WMJRC28	E3	10
WMJRC29	E3	8
WMJRC3	E0	20

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMJRC30	E3	4
WMJRC31	E3	2
WMJRC32	E3	1
WMJRC33	E4	80
WMJRC34	E4	40
WMJRC35	E4	20
WMJRC36	E4	10
WMJRC37	E4	8
WMJRC38	E4	4
WMJRC39	E4	2
WMJRC4	E0	10
WMJRC40	E4	1
WMJRC41	E5	80
WMJRC42	E5	40
WMJRC43	E5	20
WMJRC44	E5	10
WMJRC45	E5	8
WMJRC46	E5	4
WMJRC47	E5	2
WMJRC48	E5	1
WMJRC49	E6	80
WMJRC5	E0	8
WMJRC50	E6	40
WMJRC51	E6	20
WMJRC52	E6	10
WMJRC53	E6	8
WMJRC54	E6	4
WMJRC55	E6	2
WMJRC56	E6	1
WMJRC57	E7	80
WMJRC58	E7	40
WMJRC59	E7	20
WMJRC6	E0	4
WMJRC60	E7	10
WMJRC61	E7	8
WMJRC62	E7	4
WMJRC63	E7	2
WMJRC64	E7	1
WMJRC65	E8	80
WMJRC66	E8	40
WMJRC67	E8	20
WMJRC68	E8	10
WMJRC69	E8	8
WMJRC7	E0	2
WMJRC70	E8	4
WMJRC71	E8	2
WMJRC72	E8	1
WMJRC73	E9	80
WMJRC74	E9	40

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMJRC75	E9	20
WMJRC76	E9	10
WMJRC77	E9	8
WMJRC78	E9	4
WMJRC79	E9	2
WMJRC8	E0	1
WMJRC80	E9	1
WMJRC81	EA	80
WMJRC82	EA	40
WMJRC83	EA	20
WMJRC84	EA	10
WMJRC85	EA	8
WMJRC86	EA	4
WMJRC87	EA	2
WMJRC88	EA	1
WMJRC89	EB	80
WMJRC9	E1	80
WMJRC90	EB	40
WMJRC91	EB	20
WMJRC92	EB	10
WMJRC93	EB	8
WMJRC94	EB	4
WMJRC95	EB	2
WMJRC96	EB	1
WMJRC97	EC	80
WMJRC98	EC	40
WMJRC99	EC	20
WMJRSV40	C2	80
WMJRSV76	D4	2
WMJRSV77	AC	1
WMJRSV79	B5	10
WMJRSV95	133	80
WMJRSV96	C1	80
WMJSUPSJ	C1	8
WMJ1BID	B4	
WMNM	0	0
WMNM_ACRO	160	
WMNMHCT1	8	
WMNMHCT2	68	
WMNMLTH1	6	
WMNMLTH2	66	
WMNMLT1	5	
WMNMLT1A	5	80
WMNMLT1B	5	40
WMNMLT1C	5	20
WMNMLT1D	5	10
WMNMLT1F	5	4
WMNMLT2	65	
WMNMLT2A	65	80

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMNMLT2B	65	40
WMNMLT2C	65	20
WMNMLT2D	65	10
WMNMLT2F	65	4
WMNMML1	4	
WMNMML1B	4	40
WMNMML1C	4	20
WMNMML1D	4	10
WMNMML1E	4	8
WMNMML1F	4	4
WMNMML1G	4	2
WMNMML1H	4	1
WMNMML2	64	
WMNMML2B	64	40
WMNMML2C	64	20
WMNMML2D	64	10
WMNMML2E	64	8
WMNMML2G	64	2
WMNMMSF1	55	
WMNMMSIZ	164	60
WMNMNEXTMINOR1	0	
WMNMNEXTMINOR2	60	
WMNMNX1	0	
WMNMNX2	60	
WMNMRSVD	E0	
WMNMRSV1	64	1
WMNMRSV100	164	
WMNMRV9A	55	40
WMNMRV99	55	80
WMNMSEQ1	58	
WMNMSEQ2	B8	
WMNMSIZE	164	1D0
WMNMST1	54	
WMNMST2	B4	
WMNMTL1	7	
WMNMTL2	67	
WMNMTPD1	54	80
WMNMTPD2	B4	80
WMNMTRAN	55	20
WMNMTRC1	54	40
WMNMTRC2	B4	40
WMNMTXT1	C	
WMNMTXT2	6C	
WMNMUC1	56	
WMNMUC2	B6	
WMNMWTP1	54	20
WMNMWTP2	B4	20
WMNM1R99	C0	
WMNM2R99	D0	

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WMN1_PROCESSED_BY_MFA	5F	8
WMN1FLGS	5C	
WMN1QHCO	5E	2
WMN1RCMT	5C	80
WMN1RFB1	5C	
WMN1RFB2	5D	
WMN1RFB3	5E	
WMN1RPML	5C	1
WMN1SAUT	5F	10
WMN1SEER	5F	40
WMN1SMPF	5F	1
WMN1SNSI	5F	20
WMN1SNSV	5F	80
WMN1SSSI	5F	4
WMN1SUPB	5F	
WMN1SWTO	5F	2
WMN1XMOD	5C	
WMN2_PROCESSED_BY_MFA	BF	8
WMN2FLGS	BC	
WMN2MSF2	B5	
WMN2QHCO	BE	2
WMN2RCMT	BC	80
WMN2RFB1	BC	
WMN2RFB2	BD	
WMN2RFB3	BE	
WMN2RPML	BC	1
WMN2SAUT	BF	10
WMN2SEER	BF	40
WMN2SMPF	BF	1
WMN2SNSI	BF	20
WMN2SNSV	BF	80
WMN2SSSI	BF	4
WMN2SUPB	BF	
WMN2SWTO	BF	2
WMN2XMOD	BC	
WQE	0	
WQE_ACRO	160	
WQE_AUTOR_DATA_VALID	159	10
WQE_AUTOR_DELAY	13A	
WQE_AUTOR_DELAY_IN_SEC	159	8
WQE_AUTOR_REPLY	174	
WQE_AUTOR_REPLY_LEN	139	
WQE_ISSUED_ETOD	164	
WQE_PROCESSED_BY_MFA	D7	8
WQEAMRFA	133	20
WQEAMRFO	133	40
WQEAMRFR	133	2
WQEASCB	13C	10
WQEASID	A1	

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WQEAUTH	A0	1
WQEAUTO	141	10
WQEAUTOT	112	
WQEAUTOV	B5	4
WQEAVAIL	A3	
WQEBENIP	13C	
WQEBUFA	A3	80
WQEBUFB	A3	40
WQEBUFC	A3	20
WQEBUFE	A3	8
WQEBUFF	A3	4
WQEBUFG	A3	2
WQECART	12A	
WQECASEL	13E	
WQECENT	15A	
WQECHAR1	B2	
WQECNID	FC	
WQECNM	C2	2
WQECNNME	122	
WQEDATE	CC	
WQEDCA	B8	80
WQEDCB	B8	40
WQEDCC	B8	20
WQEDCD	B8	10
WQEDCE	B8	8
WQEDCF	B8	4
WQEDCG	B8	2
WQEDCH	B8	1
WQEDCI	B9	80
WQEDCJ	B9	40
WQEDCK	B9	20
WQEDCL	B9	10
WQEDCM	B9	8
WQEDC1	B8	
WQEDC2	B9	
WQEDC3	BA	
WQEDC4	BB	
WQEDESCD	B8	
WQEDFSLP	13C	8
WQEDLVRD	B3	80
WQEDMDB	132	8
WQEDNDWQ	B3	40
WQEDOM	A0	4
WQEDOMD	13C	80
WQEDSQN	DC	
WQEECONN	C2	10
WQEECONS	C2	40
WQEEDBCS	C3	20
WQEEIDBC	C3	10

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WQEEMCO	11A	20
WQEEMHI	11A	10
WQEEMIN	11A	8
WQEEMRN	11A	40
WQEEMRY	11A	80
WQEERC	E0	
WQEERCROUT	E0	
WQEERC1	E0	
WQEERC10	E9	
WQEERC11	EA	
WQEERC12	EB	
WQEERC13	EC	
WQEERC14	ED	
WQEERC15	EE	
WQEERC16	EF	
WQEERC2	E1	
WQEERC3	E2	
WQEERC4	E3	
WQEERC5	E4	
WQEERC6	E5	
WQEERC7	E6	
WQEERC8	E7	
WQEERC9	E8	
WQEERFS	11A	
WQEERF1	11A	
WQEERF2	11B	
WQEERF3	11C	
WQEERF4	11D	
WQEESJL	11C	80
WQEESYNC	C3	4
WQEETXTA	C3	80
WQEEWTOR	C2	8
WQEFIDO	141	20
WQEFLG1	B5	
WQEFLG2	C1	
WQEFLG3	B3	
WQEFORN	C1	20
WQEFTOD	14C	
WQEHASEL	13F	
WQEHBB7730	C0	14
WQEHBB7770	C0	1E
WQEHC	141	8
WQEIASEL	140	
WQEINTC	141	4
WQEJBB7727	C0	9
WQEJOBNM	16	
WQEJSTCB	BC	
WQEJ3B1	B3	10
WQEJ3B2	B3	8

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WQEJ3CON	120	
WQEJ3MRC	11F	
WQEJ3RTC	11E	
WQEKEY	F0	
WQEL	1B4	1D0
WQELENG	DA	
WQELKP	0	
WQELTOD	15C	
WQEMAJ	0	
WQEMCSA	AC	80
WQEMCSB	AC	40
WQEMCSC	AC	20
WQEMCSD	AC	10
WQEMCSE	AC	8
WQEMCSEF	C2	
WQEMCSE1	C2	
WQEMCSE2	C3	
WQEMCSF	AC	
WQEMCSFF	AC	4
WQEMCSF1	AC	
WQEMCSF2	AD	
WQEMCSG	AC	2
WQEMCSI	AD	80
WQEMCSJ	AD	40
WQEMCSK	AD	20
WQEMCSL	AD	10
WQEMCSM	AD	8
WQEMCSN	AD	4
WQEMCSO	AD	2
WQEMCSP	AD	1
WQEMCS2B	AD	40
WQEMFR	133	4
WQEMIN	0	
WQEMINORQ	88	
WQEMISC	141	
WQEMISCC	159	
WQEMLBC	D8	4
WQEMLCE	D8	20
WQEMLCPL	C1	40
WQEMLE	D8	10
WQEMLI	D8	8
WQEMLIA	D8	40
WQEMLR	D8	80
WQEMLVL	D8	
WQEML1	D8	
WQEML2	D9	
WQEMSGTA	AE	80
WQEMSGTB	AE	40
WQEMSGTC	AE	20

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WQEMSGTF	AE	4
WQEMSGTP	AE	
WQEMSGT1	AE	
WQEMSGT2	AF	
WQEMTRCD	A3	1
WQENBEW	13C	40
WQENBR	4	
WQENHABD	13C	20
WQENMOD	B5	20
WQENOJLG	B5	8
WQENSHIP	C3	40
WQENSYL	B3	20
WQENWTP	11C	40
WQEOJBID	100	
WQEOJBNM	108	
WQEORE	A0	20
WQEPAD	C	
WQEPAD1	15	
WQEPAD2	1E	
WQEPAD3	9F	
WQEPER3	D1	
WQEPPNA	B5	2
WQEPRIV	159	40
WQEPRTY	110	
WQEPURGE	A0	80
WQEQD	133	10
WQEQDFHC	A0	10
WQEQDSYS	13D	
WQEQEXT	C1	2
WQEQFHC	A0	40
WQEQHCO	D6	2
WQEQMCS	C1	1
WQEQNLY	159	20
WQEQTSYS	133	1
WQEQXSYS	C1	4
WQERANO	D6	8
WQERAYS	D6	4
WQERBCA	D5	4
WQERBCN	D5	2
WQERCDC	D4	20
WQERCFC	D6	20
WQERCKY	D6	40
WQERCMF	D6	10
WQERCMT	D4	80
WQERCRC	D4	40
WQERC1	E0	80
WQERC10	E1	40
WQERC100	EC	10
WQERC101	EC	8

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WQERC102	EC	4
WQERC103	EC	2
WQERC104	EC	1
WQERC105	ED	80
WQERC106	ED	40
WQERC107	ED	20
WQERC108	ED	10
WQERC109	ED	8
WQERC11	E1	20
WQERC110	ED	4
WQERC111	ED	2
WQERC112	ED	1
WQERC113	EE	80
WQERC114	EE	40
WQERC115	EE	20
WQERC116	EE	10
WQERC117	EE	8
WQERC118	EE	4
WQERC119	EE	2
WQERC12	E1	10
WQERC120	EE	1
WQERC121	EF	80
WQERC122	EF	40
WQERC123	EF	20
WQERC124	EF	10
WQERC125	EF	8
WQERC126	EF	4
WQERC127	EF	2
WQERC128	EF	1
WQERC13	E1	8
WQERC14	E1	4
WQERC15	E1	2
WQERC16	E1	1
WQERC17	E2	80
WQERC18	E2	40
WQERC19	E2	20
WQERC2	E0	40
WQERC20	E2	10
WQERC21	E2	8
WQERC22	E2	4
WQERC23	E2	2
WQERC24	E2	1
WQERC25	E3	80
WQERC26	E3	40
WQERC27	E3	20
WQERC28	E3	10
WQERC29	E3	8
WQERC3	E0	20
WQERC30	E3	4

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WQERC31	E3	2
WQERC32	E3	1
WQERC33	E4	80
WQERC34	E4	40
WQERC35	E4	20
WQERC36	E4	10
WQERC37	E4	8
WQERC38	E4	4
WQERC39	E4	2
WQERC4	E0	10
WQERC40	E4	1
WQERC41	E5	80
WQERC42	E5	40
WQERC43	E5	20
WQERC44	E5	10
WQERC45	E5	8
WQERC46	E5	4
WQERC47	E5	2
WQERC48	E5	1
WQERC49	E6	80
WQERC5	E0	8
WQERC50	E6	40
WQERC51	E6	20
WQERC52	E6	10
WQERC53	E6	8
WQERC54	E6	4
WQERC55	E6	2
WQERC56	E6	1
WQERC57	E7	80
WQERC58	E7	40
WQERC59	E7	20
WQERC6	E0	4
WQERC60	E7	10
WQERC61	E7	8
WQERC62	E7	4
WQERC63	E7	2
WQERC64	E7	1
WQERC65	E8	80
WQERC66	E8	40
WQERC67	E8	20
WQERC68	E8	10
WQERC69	E8	8
WQERC7	E0	2
WQERC70	E8	4
WQERC71	E8	2
WQERC72	E8	1
WQERC73	E9	80
WQERC74	E9	40
WQERC75	E9	20

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WQERC76	E9	10
WQERC77	E9	8
WQERC78	E9	4
WQERC79	E9	2
WQERC8	E0	1
WQERC80	E9	1
WQERC81	EA	80
WQERC82	EA	40
WQERC83	EA	20
WQERC84	EA	10
WQERC85	EA	8
WQERC86	EA	4
WQERC87	EA	2
WQERC88	EA	1
WQERC89	EB	80
WQERC9	E1	80
WQERC90	EB	40
WQERC91	EB	20
WQERC92	EB	10
WQERC93	EB	8
WQERC94	EB	4
WQERC95	EB	2
WQERC96	EB	1
WQERC97	EC	80
WQERC98	EC	40
WQERC99	EC	20
WQERDTM	D5	80
WQERETAN	B5	40
WQERFB1	D4	
WQERFB2	D5	
WQERFB3	D6	
WQERFHC	D5	20
WQERFLGS	D4	
WQERHCO	D5	8
WQERIDL	158	
WQERISS	B5	1
WQERNHC	D5	10
WQERNRT	D5	1
WQEROMS	D5	40
WQEROUT	B0	
WQEROUTA	B0	80
WQEROUTB	B0	40
WQEROUTC	B0	20
WQEROUTD	B0	10
WQEROUTE	B0	8
WQEROUTF	B0	4
WQEROUTG	B0	2
WQEROUTH	B0	1
WQEROUTI	B1	80

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WQEROUTJ	B1	40
WQEROUTK	B1	20
WQEROUTL	B1	10
WQEROUTM	B1	8
WQEROUTN	B1	4
WQEROUTO	B1	2
WQEROUTP	B1	1
WQEROUT1	B0	
WQEROUT2	B1	
WQERPML	D4	1
WQERPYIB	144	
WQERPYID	B6	
WQERQPC	D4	10
WQERQRC	D4	4
WQERQUN	D4	8
WQERRET	D6	80
WQERSVA4	98	
WQERSVA5	9C	
WQERSVA6	AE	20
WQERSVB1	54	10
WQERSVB2	54	8
WQERSVB3	54	4
WQERSVB4	54	2
WQERSVB5	54	1
WQERSVC1	B4	10
WQERSVC2	B4	8
WQERSVC3	B4	4
WQERSVC4	B4	2
WQERSVC5	B4	1
WQERSVDB	144	
WQERSVD2	7C	
WQERSVD6	94	2
WQERSVD7	94	1
WQERSVD8	95	
WQERSV1B	C3	8
WQERSV1C	C3	2
WQERSV1D	C3	1
WQERSV100	1B4	
WQERSV13	AE	8
WQERSV14	AE	2
WQERSV15	AE	1
WQERSV23	B9	4
WQERSV24	B9	2
WQERSV25	B9	1
WQERSV29	74	
WQERSV30	78	
WQERSV31	7A	4
WQERSV32	7A	2
WQERSV33	7A	1

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WQERSV34	84	
WQERSV35	86	8
WQERSV37	86	2
WQERSV38	86	1
WQERSV39	AE	10
WQERSV40	C2	80
WQERSV41	B5	80
WQERSV42	138	
WQERSV43	D6	1
WQERSV44	141	80
WQERSV45	141	40
WQERSV46	A3	10
WQERSV50	AE	8
WQERSV51	AE	2
WQERSV52	AE	1
WQERSV54	B6	
WQERSV59	B9	4
WQERSV60	B9	2
WQERSV61	B9	1
WQERSV62	4	80
WQERSV63	5	8
WQERSV65	5	2
WQERSV66	5	1
WQERSV67	134	
WQERSV68	64	80
WQERSV69	64	4
WQERSV70	65	8
WQERSV72	65	2
WQERSV73	65	1
WQERSV76	D4	2
WQERSV77	AC	1
WQERSV79	B5	10
WQERSV81	5C	40
WQERSV82	5C	20
WQERSV83	5C	10
WQERSV84	5C	8
WQERSV85	5C	4
WQERSV86	5C	2
WQERSV87	BC	40
WQERSV88	BC	20
WQERSV89	BC	10
WQERSV90	BC	8
WQERSV91	BC	4
WQERSV92	BC	2
WQERSV93	C2	20
WQERSV94	C2	4
WQERSV95	133	80
WQERSV96	C1	80
WQERTCT	8	

Table 593. Cross Reference for WQE (continued)

Name	Offset	Hex Tag
WQESAUT	D7	10
WQESEER	D7	40
WQESEQ#	A8	
WQESEQN	A9	
WQESIZE	1B4	1D0
WQESMPF	D7	1
WQESNSI	D7	20
WQESNSV	D7	80
WQESPVD	159	80
WQESP211	C0	1
WQESP220	C0	2
WQESP410	C0	3
WQESP422	C0	4
WQESP440	C0	5
WQESSSI	D7	4
WQESUPB	D7	
WQESUPSJ	C1	8
WQESUSP	A0	2
WQESWTO	D7	2
WQESYSID	A8	
WQESYSNM	C4	
WQETCB	A4	
WQETOKN	F8	
WQETRANS	C1	10
WQETS	D	
WQETSNT	142	
WQETS2	D1	
WQETS2TH	D2	
WQETS3	148	
WQETXT	1F	
WQETXTL	9E	
WQETXTLN	6	
WQEUNKC	141	2
WQEUSE	A	
WQEVRID	C0	1E
WQEVRSN	C0	
WQEWTOR	A0	8
WQEWTPR	133	8
WQEXA	A0	
WQEXIF	132	
WQEXIF1	132	
WQEXIF2	133	
WQEXIRM	132	10
WQEXMER	132	20
WQEXMOD	D4	
WQEXNVT	132	40
WQEXTTR	132	80
WQE1BID	B4	
WQE32623	C0	8

Chapter 168. WSAVTC Information

WSAVTC Heading Information

Common Name:	Work/Save Area Vector Tables
Macro ID:	IHAWSAVT
DSECT Name:	WSAC - CPU WSAVT, WSAG - Global WSAVT, WSAL - Local WSAVT
Owning Component:	Supervisor Control (SC1C5)
Eye-Catcher ID:	None
Storage Attributes:	Key: 0 Residency: Above and Below 16M line
Size:	WSAC - 236 bytes WSAG - 80 bytes WSAL - 108 bytes
Created by:	WSAC - IEAVNIP0, IEEVCPRA, IEAVWSAT (template only) WSAG - IEAVGWSA, IEAVWSAT (template only) WSAL - IEAVNIP0, IEAVEMIN, IEAVWSAT (template only)
Pointed to by:	WSAC - LCCACPUS field of the LCCA data area WSAG - CVTSPSA field of the CVT data area WSAL - ASXBSPSA field of the ASXB data areaw
Serialization:	WSAC - Disablement (in order to use save areas) WSAG - Determined by owner of individual field WSAL - Local lock
Function:	Provide mapping of CPU work/save area vector table, Global work/save area vector table, and Local work/save area vector table, and the templates for the tables.

WSAVTC mapping

Table 594. Structure WSAC

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	WSAC	, - CPU WORK/SAVE AREA VECTOR TABLE LCCACPUS POINTS TO THIS AREA
0	(0)	ADDRESS	4	WSACCWSA	- ADDRESS OF LOW-LEVEL COMMON SAVE AREA (104 BYTES)
4	(4)	ADDRESS	4	WSACGTF	- ADDRESS OF GTF SAVEAREA (320 BYTES) (MDC309)
8	(8)	ADDRESS	4	WSACOPTM	- ADDRESS OF SYSTEM RESOURCES MANAGER (SRM) SAVE AREA (X'6000' BYTES)
12	(C)	ADDRESS	4	WSACTIME	- ADDRESS OF TIMER SAVE AREA (368 bytes)
16	(10)	ADDRESS	4	WSACACR	- ADDRESS OF ALTERNATE CPU RECOVERY (ACR) SAVE AREA (4776 BYTES) (SAVE AREA FOR: HARDWARE AND SOFTWARE INFORMATION, NORMAL STACK, IEAVTRTH SAVE AREA - WSACRTMK)

Table 594. Structure WSAC (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
20	(14)	ADDRESS	4	WSACRTMK	- ADDRESS OF RECOVERY TERMINATION MANAGER MACHINE CHECK HANDLER (RTM/MACHK) SAVE AREA (360 BYTES)
24	(18)	ADDRESS	4	WSACIOS	- ADDRESS OF IOS SAVE AREA (80 BYTES)
28	(1C)	ADDRESS	4	WSACEDS0(0)	- ADDRESS OF SCHEDULE SAVE AREA (OLD NAME) (MDC316)
28	(1C)	ADDRESS	4	WSACESC0	ADDRESS OF SCHEDULE SAVE AREA (80 BYTES)
32	(20)	ADDRESS	4	WSACMF1	- ADDRESS OF MEASUREMENT FACILITY 1 SAVE AREA (144 BYTES) MDC019
36	(24)	ADDRESS	4	WSACABTM	- ADDRESS OF ABTERM SAVE AREA (136 BYTES) MDC006
40	(28)	ADDRESS	4	WSACDIVS	- ADDRESS OF DATA IN VIRTUAL (DIV) WORK/SAVE AREA (8192 BYTES)
44	(2C)	ADDRESS	4	WSACLDWT	- ADDRESS OF WORK/SAVE AREA FOR STATUS SAVING BY LOADWAIT/RESTART PROCESSING (1152 Bytes)
48	(30)	ADDRESS	4	WSACSCPS	- ADDRESS OF SUPERVISOR CONTROL PSEUDO SDWA. INITIALIZED BY THE SUPERVISOR ANALYSIS ROUTER, LOCK REPAIR AND GLOBAL RECOVERY. (1384 BYTES).
52	(34)	ADDRESS	4	WSACVSM	- ADDRESS OF VSM GLOBAL BRANCH ENTRY SAVE AREA (528 BYTES)
56	(38)	ADDRESS	4	WSACASMD	- ADDRESS OF AUXILIARY STORAGE MANAGEMENT (ASM) DISABLED INTERRUPT EXIT (DIE) WORK/SAVE AREA (2048 BYTES) (MDC304)
60	(3C)	ADDRESS	4	WSACASMS	- ADDRESS OF AUXILIARY STORAGE MANAGEMENT (ASM) SRB DRIVEN I/O ROUTINES WORK/SAVE AREA (2048 BYTES) (MDC305)
64	(40)	ADDRESS	4	WSACRSM	- ADDRESS OF REAL STORAGE MANAGER (RSM) WORK/SAVE AREA (63 PAGES)
68	(44)	ADDRESS	4	WSACDCCR	- ADDRESS OF DISABLED CONSOLE COMMUNICATION WORK/SAVE AREA (100 BYTES) (MDC310)
72	(48)	ADDRESS	4	WSACSLIP	- ADDRESS OF SLIP/PER WORK/SAVE (136 BYTES). (MDC317)
76	(4C)	ADDRESS	4	WSACEVRR	- ADDRESS OF ASVT AND AFT RECONSTRUCT WORK/SAVE AREA (16 BYTES).
80	(50)	ADDRESS	4	WSACRESF	- ADDRESS OF RESTART FLIH WORK/SAVE AREA (1544 BYTES).
84	(54)	ADDRESS	4	WSACMFA	- ADDRESS OF MALFUNCTION ALERT WORK/SAVE AREA (256 BYTES).
88	(58)	ADDRESS	4	WSACSCWA	- ADDRESS OF SUPERVISOR CONTROL WORK/SAVE AREA (calculated dynamically)

Table 594. Structure WSAC (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
92	(5C)	ADDRESS	4	WSACTRCE	- ADDRESS OF SYSTEM TRACE SERVICE ROUTINES WORK/SAVE AREA (560 BYTES)
96	(60)	ADDRESS	4	WSACTAIM	- ADDRESS OF RECURSIVE ACR MESSAGE WORK AREA (168 BYTES)
100	(64)	ADDRESS	4	WSACRTMW	- GENERAL RTM WORK/SAVE AREA (3272 BYTES).
104	(68)	ADDRESS	4	WSACSTKA	- ABOVE FRR STACK WORK AREA FOR RTM
108	(6C)	ADDRESS	4	WSACSTKB	- BELOW FRR STACK WORK AREA FOR RTM
112	(70)	ADDRESS	4	WSACASMR	- ADDRESS OF SAVEAREA FOR ASM RECOVERY ROUTINES (1536 BYTES)
116	(74)	ADDRESS	4	WSACSCFS	- ADDRESS OF SUPERVISOR CONTROL FLIH SAVEAREA (length is defined symbolically)
120	(78)	ADDRESS	4	WSACSTPL	- ADDRESS OF SUPERVISOR CONTROL'S SYSTEM TRACE PARARMETER LIST FOR DISABLED CALLERS (24 BYTES).
124	(7C)	ADDRESS	4	WSACDESA	- ADDRESS OF DIAGNOSTIC EXIT FACILITY SAVEAREA FOR DISABLED CALLERS (72 BYTES).
128	(80)	ADDRESS	4	WSACPAWA	- ADDRESS OF THE PC/AUTH WORK AREA (3704 BYTES).
132	(84)	ADDRESS	4	WSACSYMR	- ADDRESS OF THE SYMREC WORK SAVEAREA (3000 BYTES).
136	(88)	ADDRESS	4	WSACXCF	- ADDRESS OF XCF WORK AREA (30000 BYTES).
140	(8C)	ADDRESS	4	WSACECLT	- ADDRESS OF THE CURRENT LOCKS HELD TABLE EXTENSION (128 BYTES).
144	(90)	ADDRESS	4	WSACTWA	- ADDRESS OF ETR/MCH WORK SAVE AREA (12288 BYTES).
148	(94)	ADDRESS	4	WSACACR2	- ADDRESS OF ALTERNATE CPU RECOVERY (ACR) WORK/SAVE AREA (1500 BYTES)
152	(98)	ADDRESS	4	WSACBWTO	- ADDRESS OF WORK/SAVE AREA FOR SYNCHRONOUS BRANCH-ENTRY WTO (5008 BYTES)
156	(9C)	ADDRESS	4	WSACTCR1	- ADDRESS OF WORK/SAVE AREA FOR ACR RECOVERY (256 BYTES)
160	(A0)	ADDRESS	4	WSACIXLS	- ADDRESS OF CPU-RELATED SAVE AREA FOR USE BY THE SYSTEM LOCK MANAGER (10 pages)
164	(A4)	ADDRESS	4	WSACIXLL	- ADDRESS OF CPU-RELATED SAVE AREA FOR USE BY THE HARDWARE INTERFACE FUNCTION OF THE SYSTEM LOCK MANAGER (2000 BYTES)
168	(A8)	ADDRESS	4	WSACEGR	- ADDRESS OF CPU-RELATED SAVE AREA FOR USE BY IEAVEGR (10240 BYTES)
172	(AC)	ADDRESS	4	WSACSCHD	- ADDRESS OF CPU WORK/SAVE AREA FOR SRB SCHEDULER (16 BYTES).

Table 594. Structure WSAC (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
176	(B0)	ADDRESS	4	WSACDIRB	- ADDRESS OF CPU WORK/SAVE AREAS FOR IEAVDIRB (176 BYTES).
180	(B4)	ADDRESS	4	WSACMCH	- ADDRESS OF CPU WORK/SAVE AREA FOR MACHINE CHECK HANDLER (628 BYTES)
184	(B8)	ADDRESS	4	WSACXCF2	- ADDRESS OF XCF WORK AREA2 (30000 BYTES).
188	(BC)	ADDRESS	4	WSACREMD	- Address of Registration Services Retrieve exit manager data. (1024 Bytes)
192	(C0)	ADDRESS	4	WSACJOIN	- Address of CPU Work/Save Area for IEAVJOIN/IEAVLEAV (144 bytes)
196	(C4)	ADDRESS	4	WSACVAR8	- ADDRESS OF REAL ADDRESS CONVERSION ROUTINE (IEAVAR08) WORK AREA. (32 BYTES).
200	(C8)	ADDRESS	4	WSACPR	- Address of PRDA work/savearea used by Pause/Release routines. 1024 bytes
204	(CC)	ADDRESS	4	WSACETPT	- Address of work/savearea used by IEAVETPT. 256 bytes
208	(D0)	ADDRESS	4	WSACTRER	- Address of work/savearea used by IEAVTRER 256 bytes
212	(D4)	ADDRESS	4	WSAC2RER	- Address of recursive work/savearea for IEAVTRER - used by IGFPMRTH 256 bytes
216	(D8)	ADDRESS	4	WSAC3RER	- Address of recursive work/savearea for IEAVTRER - used by IEAVTEXS 256 bytes
220	(DC)	ADDRESS	4	WSACSTKM	- Above FRR stack work area which CBLOC in DIAGxx can request to be below if necessary
224	(E0)	ADDRESS	4	WSACPAUS	- Address of work/savearea used by IEAVEPS1/IEAVEPSS 144 bytes
228	(E4)	ADDRESS	4	WSACPTRC	- Address of work/savearea used by callers of PTrACE 432 bytes
232	(E8)	ADDRESS	4	WSACHIS	- Address of work/savearea used by HIS 2560 bytes
236	(EC)	ADDRESS	4	WSACMMGR	- Address of media-manager area 256 bytes

Table 595. Cross Reference for WSAVTC

Name	Offset	Hex Tag
WSAC	0	
WSACABTM	24	
WSACACR	10	
WSACACR2	94	
WSACASMD	38	
WSACASMR	70	
WSACASMS	3C	
WSACBWTO	98	
WSACCWSA	0	

Table 595. Cross Reference for WSAVTC (continued)

Name	Offset	Hex Tag
WSACDCCR	44	
WSACDESA	7C	
WSACDIRB	B0	
WSACDIVS	28	
WSACECLT	8C	
WSACEDS0	1C	
WSACEGR	A8	
WSACESC0	1C	
WSACETPT	CC	
WSACEVRR	4C	
WSACGTF	4	
WSACHIS	E8	
WSACIOS	18	
WSACIXLL	A4	
WSACIXLS	A0	
WSACJOIN	C0	
WSACLDWT	2C	
WSACMCH	B4	
WSACMFA	54	
WSACMF1	20	
WSACMMGR	EC	
WSACOPTM	8	
WSACPAUS	E0	
WSACPAWA	80	
WSACPR	C8	
WSACPTRC	E4	
WSACREMD	BC	
WSACRESF	50	
WSACRSM	40	
WSACRTMK	14	
WSACRTMW	64	
WSACSCFS	74	
WSACSCHD	AC	
WSACSCPS	30	
WSACSCWA	58	
WSACSLIP	48	
WSACSTKA	68	
WSACSTKB	6C	
WSACSTKM	DC	
WSACSTPL	78	
WSACSYMR	84	
WSACTAIM	60	
WSACTCR1	9C	
WSACTIME	C	
WSACTRCE	5C	
WSACTRER	D0	
WSACTWA	90	
WSACVAR8	C4	
WSACVSM	34	

Table 595. Cross Reference for WSAVTC (continued)

Name	Offset	Hex Tag
WSACXCF	88	
WSACXCF2	B8	
WSAC2RER	D4	
WSAC3RER	D8	

Chapter 169. WSAVTG Information

WSAVTG Heading Information

Common Name:	Work/Save Area Vector Tables
Macro ID:	IHAWSAVT
DSECT Name:	WSAC - CPU WSAVT, WSAG - Global WSAVT, WSAL - Local WSAVT
Owning Component:	Supervisor Control (SC1C5)
Eye-Catcher ID:	None
Storage Attributes:	Key: 0 Residency: Above and Below 16M line
Size:	WSAC - 236 bytes WSAG - 80 bytes WSAL - 108 bytes
Created by:	WSAC - IEAVNIP0, IEEVCPRA, IEAVWSAT (template only) WSAG - IEAVGWSA, IEAVWSAT (template only) WSAL - IEAVNIP0, IEAVEMIN, IEAVWSAT (template only)
Pointed to by:	WSAC - LCCACPUS field of the LCCA data area WSAG - CVTSPSA field of the CVT data area WSAL - ASXBSPSA field of the ASXB data areaw
Serialization:	WSAC - Disablement (in order to use save areas) WSAG - Determined by owner of individual field WSAL - Local lock
Function:	Provide mapping of CPU work/save area vector table, Global work/save area vector table, and Local work/save area vector table, and the templates for the tables.

WSAVTG mapping

Table 596. Structure WSAG

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	WSAG	, - GLOBAL WORK/SAVE AREA VECTOR TABLE CVTSPSA POINTS TO THIS AREA
0	(0)	ADDRESS	4	WSAGR000	- FIELD CURRENTLY RESERVED (0 BYTES) -
4	(4)	ADDRESS	4	WSAGGMFM	- RESERVED FOR S/370 COMPATIBILITY (0 BYTES) (MDC301)
8	(8)	ADDRESS	4	WSAGSTSI	- Store system info area
12	(C)	ADDRESS	4	WSAGR00C	- RESERVED.
16	(10)	ADDRESS	4	WSAGR010	- RESERVED.
20	(14)	ADDRESS	4	WSAGR014	- RESERVED.
24	(18)	ADDRESS	4	WSAGR018	- RESERVED.
28	(1C)	ADDRESS	4	WSAGR01C	- RESERVED.
32	(20)	ADDRESS	4	WSAGR020	- RESERVED. (MDC318)
36	(24)	ADDRESS	4	WSAGR024	- RESERVED.
40	(28)	ADDRESS	4	WSAGR028	- RESERVED.
44	(2C)	ADDRESS	4	WSAGR02C	- RESERVED.

Table 596. Structure WSAG (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
48	(30)	ADDRESS	4	WSAGDCCR	- ADDRESS OF WORK/SAVE AREA FOR DISABLED COMMUNICATION (9472 BYTES) (MDC313)
52	(34)	ADDRESS	4	WSAGRESF	- ADDRESS OF WORK/SAVE AREA FOR RESTART FLIH (456) BYTES) (MDC313)
56	(38)	ADDRESS	4	WSAGR038	- RESERVED.
60	(3C)	ADDRESS	4	WSAGTIME	- ADDRESS OF TIMER SAVE AREA (128 BYTES)
64	(40)	ADDRESS	4	WSAGTIM2	- ADDRESS OF TIMER SLIH WORK AREA (24 BYTES).
68	(44)	ADDRESS	4	WSAGR044	- Reserved.
72	(48)	ADDRESS	4	WSAGSRM1	- ADDRESS OF GENERAL REGISTER SAVE AREA FOR SRM - SERIALIZED BY THE SRM LOCK. (72 BYTES)
76	(4C)	ADDRESS	4	WSAGR04C	- Reserved.

Table 597. Cross Reference for WSAVTG

Name	Offset	Hex Tag
WSAG	0	
WSAGDCCR	30	
WSAGGMFM	4	
WSAGRESF	34	
WSAGR00C	C	
WSAGR000	0	
WSAGR01C	1C	
WSAGR010	10	
WSAGR014	14	
WSAGR018	18	
WSAGR02C	2C	
WSAGR020	20	
WSAGR024	24	
WSAGR028	28	
WSAGR038	38	
WSAGR04C	4C	
WSAGR044	44	
WSAGSRM1	48	
WSAGSTSI	8	
WSAGTIME	3C	
WSAGTIM2	40	

Chapter 170. WSAVTL Information

WSAVTL Heading Information

Common Name:	Work/Save Area Vector Tables
Macro ID:	IHAWSAVT
DSECT Name:	WSAC - CPU WSAVT, WSAG - Global WSAVT, WSAL - Local WSAVT
Owning Component:	Supervisor Control (SC1C5)
Eye-Catcher ID:	None
Storage Attributes:	Key: 0 Residency: Above and Below 16M line
Size:	WSAC - 236 bytes WSAG - 80 bytes WSAL - 108 bytes
Created by:	WSAC - IEAVNIP0, IEEVCPRA, IEAVWSAT (template only) WSAG - IEAVGWSA, IEAVWSAT (template only) WSAL - IEAVNIP0, IEAVEMIN, IEAVWSAT (template only)
Pointed to by:	WSAC - LCCACPUS field of the LCCA data area WSAG - CVTSPSA field of the CVT data area WSAL - ASXBSPSA field of the ASXB data areaw
Serialization:	WSAC - Disablement (in order to use save areas) WSAG - Determined by owner of individual field WSAL - Local lock
Function:	Provide mapping of CPU work/save area vector table, Global work/save area vector table, and Local work/save area vector table, and the templates for the tables.

WSAVTL mapping

Table 598. Structure WSAL

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	WSAL	, - LOCAL WORK/SAVE AREA VECTOR TABLE ASXBSPSA POINTS TO THIS AREA
0	(0)	ADDRESS	4	WSALCWSA	- ADDRESS OF LOW-LEVEL COMMON SAVE AREA Used by IEAVAR02, IEAVEEXP, loader (104 BYTES)
4	(4)	ADDRESS	4	WSALVALC	- ADDRESS OF VALIDITY CHECK SAVE AREA (64 BYTES)
8	(8)	ADDRESS	4	WSALRTM2	- ADDRESS OF RECOVERY TERMINATION MANAGER (RTM) SAVE AREA (80 BYTES)
12	(C)	ADDRESS	4	WSALSDMP	- ADDRESS OF SVC DUMP WORK AREA (104 BYTES)
16	(10)	ADDRESS	4	WSALABTM	- ADDRESS OF ABTERM SAVE AREA (144 BYTES)
20	(14)	ADDRESS	4	WSALCIRB	- ADDRESS OF CIRB SAVE AREA (80 BYTES) MDC005
24	(18)	ADDRESS	4	WSALS2EE	- ADDRESS OF STAGE 2 EXIT EFFECTOR SAVE AREA (80 BYTES)

Table 598. Structure WSAL (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
28	(1C)	ADDRESS	4	WSALEXIT	- ADDRESS OF EXIT (SVC 3) SAVE AREA (160 BYTES)
32	(20)	ADDRESS	4	WSALPOST	- ADDRESS OF POST SAVE AREA (296 BYTES) (MDC303)
36	(24)	ADDRESS	4	WSALWAIT	- ADDRESS OF WAIT SAVE AREA (128 BYTES)
40	(28)	ADDRESS	4	WSALSTAT	- ADDRESS OF STATUS SAVE AREA (640 BYTES)
44	(2C)	ADDRESS	4	WSALSTAE	- ADDRESS OF STAE SAVE AREA (112 BYTES)
48	(30)	ADDRESS	4	WSALEVNT	- ADDRESS OF EVENTS (FAST MULTIPLE WAIT) SAVE AREA (72 BYTES) (MDC300)
52	(34)	ADDRESS	4	WSALRSM	- ADDRESS OF REAL STORAGE MANAGEMENT (RSM) SAVE AREA (216 BYTES)
56	(38)	ADDRESS	4	WSALACHP	- ADDRESS OF ASCB CHAP ROUTINE SAVE AREA (72 BYTES)
60	(3C)	ADDRESS	4	WSALCSV	- Address of Contents Supervisor save area (3968 Bytes). Mapped in CSVEXSA. Also used by IEAVEOR for IEAVEBBR work area.
64	(40)	ADDRESS	4	WSALISEC	- ADDRESS OF INTERSECT ROUTINE SAVE AREA (64 BYTES)
68	(44)	ADDRESS	4	WSALSTWA	- ADDRESS OF STATUS WORK/SAVE AREA FOR STOP/RESET INTERFACE (56 BYTES)
72	(48)	ADDRESS	4	WSALLSM	- ADDRESS OF GPR SAVE AREA USED WHEN CALLING LINKAGE STACK SERVICES (72 BYTES)
76	(4C)	ADDRESS	4	WSALS3EE	- ADDRESS OF STAGE III EXIT EFFECTOR WORK AREA (176 BYTES).
80	(50)	ADDRESS	4	WSALJSIO	- ADDRESS OF IEAVJSIO WORK/SAVE AREA (1024 BYTES).
84	(54)	ADDRESS	4	WSALJIOC	- ADDRESS OF IEAVJIOC WORK/SAVE AREA (1024 BYTES).
88	(58)	ADDRESS	4	WSALJSTL	- ADDRESS OF IEAVJSTL WORK/SAVE AREA (1024 BYTES).
92	(5C)	ADDRESS	4	WSALR05C	- Reserved. (Was IEAVXPDA workarea)
96	(60)	ADDRESS	4	WSALEIRB	- ADDRESS OF IEAVEIRB WORK/SAVE AREA (256 BYTES).
100	(64)	ADDRESS	4	WSALEXPM	- ADDRESS OF IEAVEXPM WORK/SAVE AREA (256 BYTES).

Table 599. Cross Reference for WSAVTL

Name	Offset	Hex Tag
WSAL	0	
WSALABTM	10	
WSALACHP	38	
WSALCIRB	14	
WSALCSV	3C	
WSALCWSA	0	

Table 599. Cross Reference for WSAVTL (continued)

Name	Offset	Hex Tag
WSALEIRB	60	
WSALEVNT	30	
WSALEXIT	1C	
WSALEXPM	64	
WSALISEC	40	
WSALJIOC	54	
WSALJSIO	50	
WSALJSTL	58	
WSALLSM	48	
WSALPOST	20	
WSALRSM	34	
WSALRTM2	8	
WSALR05C	5C	
WSALSDMP	C	
WSALSTAE	2C	
WSALSTAT	28	
WSALSTWA	44	
WSALS2EE	18	
WSALS3EE	4C	
WSALVALC	4	
WSALWAIT	24	

Chapter 171. WSMA Information

WSMA Heading Information

Common Name:	Wait State Message Area
Macro ID:	IHAWSMA
DSECT Name:	WSMA
Owning Component:	Communications Task (SC1CK)
Eye-Catcher ID:	WSMA Offset: 0 Length: 4
Storage Attributes:	Subpool: 239 Key: 0 Residency: Any
Size:	1144 bytes
Created by:	IEAVNPC6
Pointed to by:	CVTWSMA IN CVT
Serialization:	IEAVBWTO OBTAINS RESTART RESOURCE
Function:	CONTAINS LINES OF THE MESSAGE ASSOCIATED WITH A SYSTEM WAIT STATE UP TO A MAXIMUM NUMBER OF LINES DEFINED BY WSMAMAX#. STORAGE CAN BE DISPLAYED BY THE OPERATOR FROM SYSTEM CONSOLE

WSMA mapping

Table 600. Structure WSMA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	WSMA	, - START OF WSMA
0	(0)	CHARACTER	4	WSMAACR	ACRONYM 'WSMA'
4	(4)	BITSTRING	1	WSMAVRN	VERSION LEVEL
4	(4)	X'1'	0	WSMARID	"WSMA410" CURRENT VERSION LEVEL
4	(4)	X'1'	0	WSMA410	"1" VERSION LEVEL FOR SP410
5	(5)	BITSTRING	1	WSMACNVL	CURRENT NUMBER VALID LINES
6	(6)	CHARACTER	2	WSMARSV	RESERVED
8	(8)	CHARACTER	8	WSMADATE	DATE MESSAGE WAS ISSUED
16	(10)	CHARACTER	8	WSMATIME	TIME MESSAGE WAS ISSUED
24	(18)	CHARACTER	80	WSMATXT1	FIRST LINE OF MESSAGE TEXT
104	(68)	CHARACTER	80	WSMATXT2	SECOND LINE OF MESSAGE TEXT
184	(B8)	CHARACTER	80	WSMATXT3	THIRD LINE OF MESSAGE TEXT
264	(108)	CHARACTER	80	WSMATXT4	FOURTH LINE OF MESSAGE TEXT
344	(158)	CHARACTER	80	WSMATXT5	FIFTH LINE OF MESSAGE TEXT
424	(1A8)	CHARACTER	80	WSMATXT6	SIXTH LINE OF MESSAGE TEXT
504	(1F8)	CHARACTER	80	WSMATXT7	SEVENTH LINE OF MESSAGE TEXT
584	(248)	CHARACTER	80	WSMATXT8	EIGHT LINE OF MESSAGE TEXT
664	(298)	CHARACTER	80	WSMATXT9	NINTH LINE OF MESSAGE TEXT
744	(2E8)	CHARACTER	80	WSMATXTA	TENTH LINE OF MESSAGE TEXT
824	(338)	CHARACTER	80	WSMATXTB	ELEVENTH LINE OF MESSAGE TEXT
904	(388)	CHARACTER	80	WSMATXTC	TWELTH LINE OF MESSAGE TEXT
984	(3D8)	CHARACTER	80	WSMATXTD	THIRTEENTH LINE OF MESSAGE TEXT
1064	(428)	CHARACTER	80	WSMATXTE	FOURTEENTH LINE OF MESSAGE TEXT

Table 600. Structure WSMA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
1064	(428)	X'478'	0	WSMAEND	"*" END OF WSMA
1064	(428)	X'478'	0	WSMALN	"WSMAEND-WSMA" LENGTH OF ENTIRE BLOCK
1064	(428)	X'E'	0	WSMAMAX#	"14" MAXIMUM NUMBER OF LINES
1064	(428)	X'50'	0	WSMAMLEN	"80" MAXIMUM LENGTH OF LINES

Table 601. Cross Reference for WSMA

Name	Offset	Hex Tag
WSMA	0	
WSMAACR	0	E6E2D4C1
WSMACNVL	5	0
WSMADATE	8	40404040
WSMAEND	428	478
WSMALN	428	478
WSMAMAX#	428	E
WSMAMLEN	428	50
WSMARID	4	1
WSMARSV	6	4040
WSMATIME	10	40404040
WSMATXTA	2E8	40404040
WSMATXTB	338	40404040
WSMATXTC	388	40404040
WSMATXTD	3D8	40404040
WSMATXTE	428	40404040
WSMATXT1	18	40404040
WSMATXT2	68	40404040
WSMATXT3	B8	40404040
WSMATXT4	108	40404040
WSMATXT5	158	40404040
WSMATXT6	1A8	40404040
WSMATXT7	1F8	40404040
WSMATXT8	248	40404040
WSMATXT9	298	40404040
WSMAVRN	4	0
WSMA410	4	1

Chapter 172. WWB Information

WWB Heading Information

Common Name:	Write To Operator Wait Block Mapping
Macro ID:	IHAWWB
DSECT Name:	WWB
Owning Component:	Communications Task (SC1CK)
Eye-Catcher ID:	'WWB ' Offset: 24 Length: 4 Bytes
Storage Attributes:	Subpool: 231 (above 16M) Key: 0
Size:	32 Bytes
Created by:	CNZS1WTO
Pointed to by:	UCMOECBH
Serialization:	None
Function:	The WWB describes the unit of work that is waiting for an ORE to be freed.

WWB mapping

Table 602. Structure WWB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	WWB	
0	(0)	SIGNED	4	WWBFWDPT	FORWARD CHAIN POINTER
4	(4)	SIGNED	4	WWBBCKPT	BACKWARD CHAIN POINTER
8	(8)	SIGNED	4	WWBASCB	ADDRESS OF USERS ASCB
12	(C)	SIGNED	4	WWBTCBAD	ADDRESS OF USERS TCB
16	(10)	CHARACTER	1	WWBFLAGS	FLAGS BYTE
		1...		WWBPOSTD	"X'80'" IF ON THEN ECB HAS BEEN POSTED
		.1..		WWBUSE0	"X'40'" This WWB represents an *authorized* caller and reply ID 0 can be used to satisfy this request (for WWBs on UCMOECBH queue only)
17	(11)	CHARACTER	1	WWBVRSN	VERSION ID
17	(11)	X'1'	0	WWBS220	"1" LEVEL OS/VS2 JBB2220
17	(11)	X'1'	0	WWBVERN	"WWBS220" THE CURRENT VERSION LEVEL
18	(12)	CHARACTER	2	WWBRESRV	RESERVED
20	(14)	SIGNED	4	WWBECB	ECB PART OF WTOECB
24	(18)	CHARACTER	4	WWBACRN	ACRONYM 'WWB '
28	(1C)	CHARACTER	4		RESERVED
28	(1C)	X'20'	0	WWBLENG	"*" END OF WWB
28	(1C)	X'20'	0	WWBSIZE	"WWBLENG-WWB"
28	(1C)	X'14'	0	WWBECBOF	"WWBECB-WWB" ECB OFFSET
28	(1C)	X'E7'	0	K_WWB_SUBPOOL	"231" Subpool for WWB

WWB mapping

Table 603. Cross Reference for WWB

Name	Offset	Hex Tag
K_WWB_SUBPOOL	1C	E7
WWB	0	
WWBACRN	18	
WWBASCB	8	
WWBBCKPT	4	
WWBECB	14	
WWBECBOF	1C	14
WWBFLAGS	10	
WWBFWDPT	0	
WWBLENG	1C	20
WWBPOSTD	10	80
WWBRESRV	12	
WWBSIZE	1C	20
WWBS220	11	1
WWBTCBAD	C	
WWBUSE0	10	40
WWBVERN	11	1
WWBVRSN	11	

Chapter 173. XCPS Information

XCPS Heading Information

Common Name:	Channel Program Scan Exit Parm List/Work Area
Macro ID:	IECDXCPS
DSECT Name:	CPS
Owning Component:	EXCP (SC1C6)
Eye-Catcher ID:	CPS Offset: 0 Length: 4
Storage Attributes:	Subpool: 226 or 245 Key: 0 Residency: Any
Size:	248 bytes
Created by:	IECVEXCP from a large block obtained from the storage manager.
Pointed to by:	RQEXCPS in IECDRQEX Register 1 on entry to the channel program scan exit
Serialization:	None
Function:	This macro describes the input parameter list and work area passed by the EXCP processor to the Channel Program Scan Exit. Notes: None

XCPS mapping

Table 604. Structure CPS

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	CPS	
0	(0)	CHARACTER	4	CPSCPS	CPS acronym
4	(4)	BITSTRING	1	CPSENTRY	Entry reason byte
		1		CPSENSIO	"X'01'" . STARTIO entry
		.... ..1.		CPSENIOE	"X'02'" . I/O error entry
		11		CPSENEOE	"X'03'" . End of Extent entry
		.... .1..		CPSENNML	"X'04'" . Normal-end entry
5	(5)	CHARACTER	3	CPSRESV1	Reserved
8	(8)	ADDRESS	4	CPSRQE	EXCP RQE address
12	(C)	ADDRESS	4	CPSIOSB	EXCP IOSB address
16	(10)	ADDRESS	4	CPSCPX	CPS extension address
20	(14)	CHARACTER	12	CPSRESV2	Reserved
32	(20)	CHARACTER	216	CPSWA	Work area for use by the channel program scan exit, includes prefix CCWs, set to 0's on initial entry
32	(20)	X'F8'	0	CPSLEN	"*" CPS block length
32	(20)	X'20'	0	CPS_THPFREGS	"CPSWA,104,C'C'" IECVTHPF register save area during zHPF channel program translation

XCPS mapping

Table 605. Cross Reference for XCPS

Name	Offset	Hex Tag
CPS	0	
CPS_THPFREGS	20	20
CPSCPS	0	
CPSCPX	10	
CPSENEOE	4	3
CPSENIOE	4	2
CPSENNML	4	4
CPSENSIO	4	1
CPSENTRY	4	
CPSIOSB	C	
CPSLEN	20	F8
CPSRESV1	5	
CPSRESV2	14	
CPSRQE	8	
CPSWA	20	

Chapter 174. XDBA Information

XDBA Heading Information

Common Name: XDBA EXCP Debugging Area
Macro ID: IECDXDBA
DSECT Name: XDBA
Owning Component: EXCP (SC1C6)
Eye-Catcher ID: None
Storage Attributes: Key: 0
Size: 4096 bytes
Created by: IECVEXFR
Pointed to by: TCBEXCPD field of the TCB data area
XDBACHAN field of the XDBA data area
Serialization: N/A
Function: This area contains the diagnostic data associated with the EXCP processor I/O request at the time of an abend. The diagnostic data includes data from the SDWA (PSW, registers, translation exception address, etc) and the RQE block and all large blocks associated with the EXCP request (SRB/IOSB, TCCW, BEB, FIX, etc).

XDBA mapping

Table 606. Structure XDBA

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	XDBA	
0	(0)	BITSTRING	256	XDBANLGE(0)	XDBA non-large block area
0	(0)	CHARACTER	16	XDBATTL1	XDBA block identifier
16	(10)	SIGNED	4	XDBACHAN	XDBA chain pointer or zero
20	(14)	SIGNED	2	XDBACOMP	EXCP abend completion code
22	(16)	SIGNED	2	XDBACC	SDWA original abend code
24	(18)	BITSTRING	8	XDBAPSW	SDWA PSW at time of error
32	(20)	SIGNED	4	XDBATRAN	Translation exception address
36	(24)	BITSTRING	12	XDBARV1	Reserved
48	(30)	SIGNED	4	XDBARGSV(16)	SDWA registers at time of error
112	(70)	CHARACTER	8	XDBATTL2	FRR parm area identifier
120	(78)	BITSTRING	24	XDBAFRRP	EXCP FRR parameter area
144	(90)	CHARACTER	4	XDBATTL3	RQE block identifier
148	(94)	BITSTRING	64	XDBARQE	RQE block size + the 8 byte storage manager header.
212	(D4)	BITSTRING	24	XDBARV3	Reserved
236	(EC)	BITSTRING	4	XDBALBCT	Number of large blocks in XDBA
The large size blocks are moved into the remaining XDBA area starting at X'100' offset, in following sequence (if present): ..... SRB/IOSB, EWA, TCCW, IDAL, FIX, BEB AND CPS. Only valid large blocks are moved.					
240	(F0)	CHARACTER	16	XDBATTL4	Large block area identifer
256	(100)	BITSTRING	0	XDBAENT(0)	Start of large blocks
256	(100)	BITSTRING	1	XDBALGEB	Large block entry

Table 606. Structure XDBA (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
XDBA constants					
256	(100)	X'100'	0	XDBAEL	"256" Size of large block + storage manager header.
256	(100)	X'40'	0	XDBAER	"RQENSASZ+8" Size of RQE block - save area + storage manager header.
256	(100)	X'1000'	0	XDBASIZE	"4096" Size of XDBA block.
256	(100)	X'F'	0	XDBABLKS	"(XDBASIZE-(XDBAENT-XDBA))/ XDBAEL" Number of slots for storing large blocks

Table 607. Cross Reference for XDBA

Name	Offset	Hex Tag
XDBA	0	
XDBABLKS	100	F
XDBACC	16	
XDBACHAN	10	
XDBACOMP	14	
XDBAEL	100	100
XDBAENT	100	
XDBAER	100	40
XDBAFRRP	78	
XDBALBCT	EC	
XDBALGEB	100	
XDBANLGE	0	
XDBAPSW	18	
XDBARGSV	30	
XDBARQE	94	
XDBARV1	24	
XDBARV3	D4	
XDBASIZE	100	1000
XDBATRAN	20	
XDBATTL1	0	
XDBATTL2	70	
XDBATTL3	90	
XDBATTL4	F0	

Chapter 175. XMD Information

XMD Heading Information

Common Name: CROSS MEMORY DIRECTORY
Macro ID: IHAXMD
DSECT Name: XMD
Owning Component: PC/AUTH (SCXMS)
Eye-Catcher ID: XMD
Offset: 0
Length: 4
Storage Attributes: Subpool: 229 - LOCAL IN THE PC/AUTH ADDRESS SPACE
Key: 0
Residency: VIRTUAL: ABOVE 16M LINE.
Size: 72 bytes
Created by: IEAVXMAS
Pointed to by: SVTXMD
Serialization: THE CML LOCK OF THE PC/AUTH ADDRESS SPACE IS REQUIRED FOR READ AND WRITE ACCESS.
Function: CONTAINS VARIOUS POINTERS AND INFORMATION USED BY THE SERVICES EXECUTING IN THE CROSS MEMORY SERVICES ADDRESS SPACE.

XMD mapping

Table 608. Structure XMD

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	72	XMD	CROSS MEMORY DIRECTORY
0	(0)	CHARACTER	4	XMDXMD	XMD ACRONYM
4	(4)	ADDRESS	4	XMDLXAT	POINTER TO THE LINKAGE INDEX ALLOCATION TABLE
8	(8)	CHARACTER	8	XMDETIBH	HEADER OF ENTRY TABLE INFORMATION BLOCK QUEUE
8	(8)	ADDRESS	4	XMDETIBF	POINTER TO FIRST ETIB ON QUEUE
12	(C)	ADDRESS	4	XMDETIBL	POINTER TO LAST ETIB ON QUEUE
16	(10)	ADDRESS	4	XMDAXAT	ADDRESS OF AUTHORIZATION INDEX ALLOCATION TABLE
20	(14)	BITSTRING	1	XMDFLAGS	FLAG BYTE
		1...		XMDRSV1	RESERVED FLAG
		.1..		XMDRSV2	RESERVED FLAG
21	(15)	BITSTRING	3	XMDRSV9	RESERVED FIELD
24	(18)	ADDRESS	4	XMDXMSE	ADDRESS OF THE QUEUE OF XMSE'S IN PC/AUTH'S ADDRESS SPACE
28	(1C)	UNSIGNED	2	XMDATLNB	LENGTH OF THE SYSTEM AUTHORIZATION TABLE (IN BYTES)
30	(1E)	UNSIGNED	2	XMDSATLN	LENGTH OF THE SYSTEM AUTHORIZATION TABLE. (0030) USED TO INITIALIZE AN ASTE
32	(20)	UNSIGNED	4	XMDSATOR	THE REAL ADDRESS OF THE SYSTEM AUTHORIZATION TABLE IN FORMAT TO INITIALIZE THE ASTE.

Table 608. Structure XMD (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
36	(24)	ADDRESS	4	XMDSATOV	THE VIRTUAL ADDRESS OF THE SYSTEM ATHORIZATION TABLE
40	(28)	UNSIGNED	4	XMDSLTD	REAL ADDRESS AND LENGTH OF THE SYSTEM LINKAGE TABLE (WITH THE VALID BIT ON) IN ASTE FORMAT
40	(28)	UNSIGNED	4	XMDSLFTD	Real address and length of the system linkage first table (with the valid bit on) in ASTE format
44	(2C)	ADDRESS	4	XMDSLT	ADDRESS OF THE SYSTEM LINKAGE TABLE WHICH CONTAINS ONLY SYSTEM WIDE ENTRIES
48	(30)	ADDRESS	4	XMDXMSEL	ADDRESS OF THE LAST XMSE ON THE QUEUE ANCHORED BY XMDXMSE
52	(34)	ADDRESS	4	XMDXMSER	PENDING ASID REUSE QUEUE
56	(38)	CHARACTER	4	*	Reserved
60	(3C)	SIGNED	4	XMDSLFTLSTLEN	Length of system LFT + LSTs. This is the amount of storage needed to represent the LFTEs and LSTEs that comprise the system LFT/LST. We always allocate a full-page LFT, and that covers the maximum LX (32K) that we support in z/OS 1.6. And then we allocate LSTs for any system LX's that need them.
64	(40)	CHARACTER	8	*	Reserved

Table 609. Constants for XMD

Len	Type	Value	Name	Description
4	HEX	000000FF	XMDSLFTD_LFTL_MASK	
4	DECIMAL	255	XMDFSP	ID OF FIXED SUBPOOL USED FOR THE ENTRY, LINKAGE AND AUTH TABLES
4	DECIMAL	229	XMDPSP	ID OF SUBPOOL USED FOR THE PAGEABLE CONTROL BLOCKS
4	DECIMAL	229	XMDDASP	ID OF SUBPOOL USED FOR THE DYNAMIC DATA AREAS
4	DECIMAL	215	XMDSP215	ID OF DREF SUBPOOL FOR CROSS MEMORY CONTROL BLOCKS
4	DECIMAL	245	XMDLPSP	ID OF SUBPOOL FOR LATENT PARAMETER AREAS

Table 610. Cross Reference for XMD

Name	Offset	Hex Tag
XMD	0	
XMDATLNB	1C	
XMDAXAT	10	
XMDETIBF	8	
XMDETIBH	8	
XMDETIBL	C	
XMDFLAGS	14	
XMDLXAT	4	

Table 610. Cross Reference for XMD (continued)

Name	Offset	Hex Tag
XMDRSV1	14	80
XMDRSV2	14	40
XMDRSV9	15	
XMDSATLN	1E	
XMDSATOR	20	
XMDSATOV	24	
XMDSLFTD	28	
XMDSLFTLSTLEN	3C	
XMDSLT	2C	
XMDSLTD	28	
XMDXMD	0	
XMDXMSE	18	
XMDXMSEL	30	
XMDXMSER	34	

Chapter 176. XQSRD Information

XQSRD Heading Information

Common Name:	ASM Quick Start Record Extension
Macro ID:	ILRXQSRD
DSECT Name:	XQSR, XQSRENTER
Owning Component:	Auxiliary Storage Manager (SC1CW)
Eye-Catcher ID:	XQSR Offset: 0 Length: 4
Storage Attributes:	Virtual Storage: YES Subpool: 245 Key: 0 Data Space: NO Residency: Above 16 Megabytes virtual
Size:	4096 bytes
Created by:	ILRASRIM
Pointed to by:	NVTQSBUF plus length of QSR plus length EQSR. The XQSR is contiguous in storage following QSR and EQSR.
Serialization:	Serialized by initialization processing
Function:	The XQSR contains the primary LSIDs for LPA pages.

XQSRD mapping

Table 611. Structure XQSR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4096	XQSR	Quick Start Record Extension
0	(0)	CHARACTER	96	XQSRHDR	XQSR header
0	(0)	CHARACTER	4	XQSRIDNT	Control block identifier, set to C'XQSR'
4	(4)	ADDRESS	4	XQSRLPAS	Low virtual address -- start address of section of LPA mapped by this XQSR
8	(8)	ADDRESS	4	XQSRLPAE	High virtual address -- end address of section of LPA mapped by this XQSR
12	(C)	SIGNED	4	XQSRNUM	Number of LPA entries in this XQSR
16	(10)	BITSTRING	1	XQSRFLAG	Flag byte
		1...		XQSRPLPA	PLPA XQSR
		.1..		XQSREPLP	EPLPA XQSR
		..11 1111		*	Reserved
17	(11)	CHARACTER	3	XQSRFRSV	Reserved
20	(14)	CHARACTER	76	XQSRSRV	Reserved
96	(60)	CHARACTER	4000	XQSRMAP	Map of LPA page LSIDs made up of 8-byte entries

XQSRD mapping

Table 612. Structure XQSRENTR

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	XQSRENTR	Each XQSR entry contains the LSID for an LPA page. The entries are built in ascending order of virtual address. Each entry contains one LSID. The first zero entry indicates the end of the entries in use.
0	(0)	SIGNED	4	XQSRLSID	Logical slot ID for the LPA page
0	(0)	CHARACTER	1	XQSRPTNN	PART number portion of LSID identifying page data set, must always be set to zero
1	(1)	CHARACTER	3	XQSRSLOT	Slot number portion of LSID identifying slot within the page data set
4	(4)	SIGNED	4	XQSRRSV1	Reserved

Table 613. Cross Reference for XQSRD

Name	Offset	Hex Tag
XQSR	0	
XQSRENTR	0	
XQSREPLP	10	40
XQSRFLAG	10	
XQSRFRSV	11	
XQSRHDR	0	
XQSRIDNT	0	
XQSRLPAE	8	
XQSRLPAS	4	
XQSRLSID	0	
XQSRMAP	60	
XQSRNUM	C	
XQSRPLPA	10	80
XQSRPTNN	0	
XQSRRSV1	4	
XQSRSLOT	1	
XQSRSRV	14	

Chapter 177. XSA Information

XSA Heading Information

Common Name:	EXTENDED SAVE AREA
Macro ID:	IEEXSA
DSECT Name:	XSA
Owning Component:	MASTER SCHEDULER (SC1B8)
Eye-Catcher ID:	XSA XSAX Offset: N/A or 144 0 Length: 4 4
Storage Attributes:	Subpool: VARIABLE. PART OF SVRB OR SUBPOOL 229 Key: 0 Residency: ANY
Size:	48 OR 400 BYTES XSAX: 80 bytes
Created by:	Supervisor, in creating a Supervisor Request block (48 bytes), SVC 34, in creating a dummy XSA for use within SVC 34 only (400 bytes), or various Started Task Control routines, which use IEE0503D as a message module (48 bytes).
Pointed to by:	FOR SUPERVISOR AND STC ROUTINES, 96 BYTES PAST THE START OF THE SVRB. DURING SVC 34 PROCESSING, REGISTER 2 POINTS TO THE GETMAINED XSA.
Serialization:	NONE
Function:	SERVES AS A PARAMETER AND COMMUNICATION AREA WITHIN SVC 34. IT IS THE PARAMETER LIST PASSED TO IEE0503D.

XSA mapping

Table 614. Structure XSAMAP

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	400	XSAMAP	
0	(0)	CHARACTER	48	XASVRB	Y02669
		'LENGTH (XASVRB)' YIELDS LENGTH OF XSA Y02669 IN THE SVRB Y02669			
0	(0)	CHARACTER	8	XSA	BEGINNING OF SAVE AREA Y02669
		THE USAGE OF THE FIELDS MARKED AS "WORK WORD" ARE DEFINED WITHIN INDIVIDUAL COMMAND MODULES.			
0	(0)	ADDRESS	4	XAP	WORK WORD
4	(4)	ADDRESS	4	XAD	WORK WORD
8	(8)	CHARACTER	8	XAX	WORK DOUBLE WORD
16	(10)	SIGNED	4	*	
16	(10)	CHARACTER	1	XAE	ERROR CODE Y02669
17	(11)	ADDRESS	3	XAR	PTR TO PARM LIST (REG1)
20	(14)	SIGNED	4	*	
20	(14)	CHARACTER	1	XAN	VERB INDEX Y02669
21	(15)	ADDRESS	3	XAL	PTR TO LIST POSITION

Table 614. Structure XSAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
24	(18)	CHARACTER	8	XAV	VERB Y02669
24	(18)	SIGNED	4	XAV1	FIRST WORD OF XAV
28	(1C)	ADDRESS	4	XAV2	SECOND WORD OF XAV
32	(20)	CHARACTER	8	XAS	TEMORARY SAVE AREA Y02669
40	(28)	CHARACTER	1	XARSV3	Reserved - was XAU (1-byte source console id)
41	(29)	CHARACTER	1	*	RESERVED Y02669
42	(2A)	SIGNED	2	XAA	ASID ENTRY INDICATOR Y02669
44	(2C)	SIGNED	4	XAK	KEPT FOR COMMUNICATIONS WITHIN A SINGLE COMMAND AFTER IEECB808 FOR ATTACHED COMMANDS OR AFTER COMMAND EXIT AND SUBSYTEM PROCESSING. BEFORE THEN IT CONTAINS THE ORIGINATING CONSOLE ID. (IEE0703D - STOP/MODIFY ALSO USES ORIGINATING CONSOLE ID
					Y02669
		THE FOLLOWING FIELDS EXIST ONLY IN THE SUBPOOL Y02669 229 XSA IN z/OS			
					Y02669
		SAVE AREA FOR SETLOCK INVOCATION Y02651 THIS CONSISTS OF FOUR FULL WORDS USED TO SAVE Y02651 REGISTERS 11, 12, 13, AND 14. Y02651 THIS SAVE AREA IS ALSO DECLARED BELOW AS XASAVLOC, A 4-ELEMENT ARRAY OF FULLWORDS.			
48	(30)	CHARACTER	16	XASAVLOX	SETLOCK SAVE AREA
48	(30)	SIGNED	4	XASAVLC1	
52	(34)	SIGNED	4	XASAVLC2	
56	(38)	SIGNED	4	XASAVLC3	
60	(3C)	SIGNED	4	XASAVLC4	
		STANDARD SAVE AREA Y02669 THE ADDRESS OF THIS 18 FULL WORD AREA IS PASSED TO Y02669 THOSE ROUTINES INVOKED BY SVC 34 WHICH REQUIRE A SAVE Y02669 AREA. Y02669 THIS SAVE AREA IS ALSO DECLARED BELOW AS XASAVSTD, AN 18-ELEMENT ARRAY OF FULLWORDS.			
64	(40)	CHARACTER	72	XASAVSTR	STANDARD SAVE AREA
64	(40)	SIGNED	4	XASAVSDA	
68	(44)	SIGNED	4	XASAVSDB	
72	(48)	SIGNED	4	XASAVSDC	
76	(4C)	SIGNED	4	XASAVSDD	
80	(50)	SIGNED	4	XASAVSDE	
84	(54)	SIGNED	4	XASAVSDF	
88	(58)	SIGNED	4	XASAVSDG	
92	(5C)	SIGNED	4	XASAVSDH	
96	(60)	SIGNED	4	XASAVSDI	
100	(64)	SIGNED	4	XASAVSDJ	
104	(68)	SIGNED	4	XASAVSDK	
108	(6C)	SIGNED	4	XASAVSDL	
112	(70)	SIGNED	4	XASAVSDM	
116	(74)	SIGNED	4	XASAVSDN	
120	(78)	SIGNED	4	XASAVSDO	

Table 614. Structure XSAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
124	(7C)	SIGNED	4	XASAVSDP	
128	(80)	SIGNED	4	XASAVSDQ	
132	(84)	SIGNED	4	XASAVSDR	
136	(88)	CHARACTER	16	*	
		SVC 34 COMMAND FLAGS THE FIRST HALF WORD CONTAINS A COPY OF THE 3RD AND 4TH BYTES OF THE SVC 34 PARAMETER LIST PROVIDED THE HIGH ORDER BIT IN THE FIRST BYTE OF THE PARAMETER LIST IS ON.			
136	(88)	UNSIGNED	4	XACMFLGS	COMMAND FLAGS
		THE XACMFLGA FIELD MUST BE EXACTLY MAPPED BY THE MGCELFL FIELD IN THE MGCRE PARAMETER LIST (IEZMGCRE)			
136	(88)	UNSIGNED	2	XACMFLGA	PART 1 OF COMMAND FLAGS
136	(88)	BITSTRING	1	XACMFLG1	1ST FLAG BYTE
		1...		XACMF11	EXTENDED FORM (MGRCE) PARAMETER LIST IS BEING USED
		.1..		XACMF12	COMMAND ISSUED BY SUBSYSTEM
		..1.		XACMF13	COMMAND ISSUED BY MODULE IEAVC700
		...1		XACMF14	COMMAND IS NOT TO BE HARDCOPIED
		.... 1...		XACMF15	A TOKEN EXISTS
		.... .1..		XACMF16	CONSID KEYWORD WAS SPECIFIED IN MGCRE
		.... ..1.		XACMF17	CONSNAME KEYWORD WAS SPECIFIED IN MGCRE
		1		XACMF18	COMMAND AUTHORITY WAS SPECIFIED IN MGCRE
137	(89)	BITSTRING	1	XACMFLG2	2ND FLAG BYTE
		1...		XACMF21	COMMAND IS AUTHORIZED TO BYPASS SSI,USER EXITS, CMDAUTH AND SYMBOLIC SUBSTITUTION
		.1..		XACMF22	NO PREFIX PROCESSING
		..1.		XACMF23	CART SPECIFIED IN MGCRE
		...1		XACMF24	CONSOLXX QUEUED COMMAND
		.... 1...		XACMF25	A UTOKEN WAS SPECIFIED ON MGCR
		.... .1..		XACMF26	COMMAND WAS ROUTED
		.... ..1.		XACMF27	BYPASS DEQ INDICATOR
		1		XACMF28	DEFERRED COMMAND EXECUTION
138	(8A)	UNSIGNED	2	XACMFLGB	PART 2 OF COMMAND FLAGS
138	(8A)	BITSTRING	1	XACMFLG3	3RD FLAG BYTE
		1...		XACMF31	UNCOND SPECIFIED ON VARY
		.1..		XACMF32	FORCE OPTION SPECIFIED WITH VARY
		..1.		XACMF33	LOCKS HELD INDICATOR - '1' IF LOCKS ARE HELD, '0' IF LOCKS ARE NOT HELD
		...1		XACMF34	MESSAGE INDICATOR USED BY IEE4603D IEE4903D AND IEE7703D
		.... 1...		XACRESET	RESET OPERAND SPECIFIED ON VARY OFFLINE
		.... .1..		XACUIRMG	ISSUE CUIR MESSAGE
		.... ..1.		XACOFFLN	OFFLINE KEYWORD SPECIFIED
		1		*	Reserved, was XACSYSMC

Table 614. Structure XSAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
139	(8B)	BITSTRING	1	XACMFLG4	4TH FLAG BYTE
		1...		XACMF41	COMMAND PREFIX SPECIFIED
		.1..		XATJY	On indicates XAA contains a TJID
		..1.		XACMF43	IEE4603D usage: indicates that device is changing from console state to ON/OFFLINE state
		...1		XACMF44	Command routed by ROUTE *ALL command
		.... 1...		XABEWTO	IEE1503D should issue a branch entry WTO
		.... .1..		XASUBSTU	Command symbolic substitution has occurred
		.... ..1.		XANOBY	Do not bypass RACROUTE for requeued commands
		1		XAHCONLY	Issue msgs to Hardcopy Only
140	(8C)	CHARACTER	4	XACTOKEN	31 BIT RIGHT JUSTIFIED TOKEN
		1...		XACTOKHR	A TOKEN EXISTS
144	(90)	CHARACTER	4	XACBID	CONTROL BLOCK ID 'XSA '
148	(94)	ADDRESS	4	XAMSRAS	POINTER TO MASTER SCHEDULER RAS DATA COMMUNICATIONS AREA
	WORK POINTER SAVE AREA TO BE USED WITHIN A SINGLE COMMAND PROCESSOR				
152	(98)	CHARACTER	32	XAWORK	WORK POINTER AREA
152	(98)	SIGNED	4	XAWORKA	WORK POINTER 1
156	(9C)	SIGNED	4	XAWORKB	WORK POINTER 2
160	(A0)	SIGNED	4	XAWORKC	WORK POINTER 3
164	(A4)	SIGNED	4	XAWORKD	WORK POINTER 4
168	(A8)	SIGNED	4	XAWORKE	WORK POINTER 5
172	(AC)	SIGNED	4	XAWORKF	WORK POINTER 6
176	(B0)	SIGNED	4	XAWORKG	WORK POINTER 7
180	(B4)	SIGNED	4	XAWORKH	WORK POINTER 8
	VERSION LEVEL OF THIS MACRO				
184	(B8)	CHARACTER	216	*	
184	(B8)	UNSIGNED	1	XAVERSN	VERSION LEVEL OF XSA. UPDATED FOR SIZE OR INCOMPATABLE CHANGE
185	(B9)	CHARACTER	3	XAWORKI	3 BYTE WORK AREA
188	(BC)	SIGNED	4	XAWORKJ	WORK AREA
192	(C0)	SIGNED	4	XARN003D	RETURN ADDRESS FOR SVC 34 (IEE0003D)
196	(C4)	SIGNED	4	XARN303D	RETURN ADDRESS FOR SVC 34 (IEE0303D)
200	(C8)	SIGNED	4	XABS303D	ADDRESSIBILITY FOR IEE0303D
204	(CC)	SIGNED	4	XABS403D	ADDRESSIBILITY FOR IEE0403D
	ROUTING CODE KEYWORD VALUES				
208	(D0)	CHARACTER	16	XARTCODE	ROUTING CODES SPECIFIED ON THE ROUT KEYWORD OF THE VARY CONSOLE/HARDCPY COMMAND
224	(E0)	CHARACTER	16	XAAROUT	ROUTING CODES SPECIFIED ON THE AROUT KEYWORD OF THE VARY CONSOLE/HARDCPY COMMAND

Table 614. Structure XSAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
240	(F0)	CHARACTER	16	XADROUT	ROUTING CODES SPECIFIED ON THE DROUT KEYWORD OF THE VARY CONSOLE/HARDCPY COMMAND
ADDRESSIBILITY FOR SVC 34 CSECTS					
256	(100)	ADDRESS	4	XABS203D	ADDRESS OF GLUE ROUTINE - IEE0203D
260	(104)	ADDRESS	4	XAVTAM	ADDRESS OF VTAM ROUTINE - ISTCFF3D
264	(108)	ADDRESS	4	XATCAM	ADDRESS OF TCAM ROUTINE - IED1303D
268	(10C)	BITSTRING	1	XAGLUE	FLAGS FOR GLUE ROUTINE
		1...		XANETMOD	IF ON, VTAM PROCESSING
		.1..		XATPMOD	IF ON, TCAM PROCESSING
269	(10D)	BITSTRING	1	XAFLAGS	MISCELLANEOUS FLAGS
		1...		XAMULTI	MULTIPLE INSERTS PASSED AS INPUT TO IEE0503D
		.1..		XATRNSPT	COMMAND HAS BEEN TRANSPORTED TO ANOTHER SYSTEM FOR PROCESSING
		..1.		XACATP	COMMAND IS TRANSPORTED BY COMMAND ASSOCIATION PROCESSING
		...1		XACARJ	COMMAND IS REJECTED BY COMMAND ASSOCIATION, ASSOCIATED SYSTEM IS NOT ACTIVE
		.... 1...		XAPREFIXREJECTED	Command is rejected by CPF processing because the issuer is not authorized by the security product to route commands to the target system
		.... .1..		XAGOTCA	IEECB920 obtained a compressed ACEE that should be freed by IEE0003D
		11		XAMRES2	RESERVED
270	(10E)	CHARACTER	1	XARES	RESERVED
271	(10F)	UNSIGNED	1	XAMIGID_4_TRK	Migration console id saved for console id tracking
272	(110)	ADDRESS	4	XARN403D	RETURN ADDRESS FOR SVC 34 (IEE0403D)
276	(114)	CHARACTER	8	XACONSNT	TARGET CONSOLE NAME
284	(11C)	CHARACTER	8	XACONSNI	ISSUING CONSOLE NAME
292	(124)	UNSIGNED	4	XACNSIDT	FOUR BYTE TARGET CONSOLE ID
292	(124)	UNSIGNED	1	XACNSTCL	TARGET CONSOLE CLASS
293	(125)	UNSIGNED	3	XACNSTID	TARGET CONSOLE ID
296	(128)	UNSIGNED	4	XACNSIDI	FOUR BYTE ISSUING CONSOLE ID
296	(128)	UNSIGNED	1	XACNSICL	ISSUING CONSOLE CLASS
297	(129)	UNSIGNED	3	XACNSIID	ISSUING CONSOLE ID
300	(12C)	CHARACTER	1	XACMDF	COMMAND FLAGS
		1...		XACMNMCS	NON-MCS CONSOLE
		.1..		XACPLVAL	VALID MGCRE PARAMETER LIST
		..1.		XAGBDATA	TARGET CONSOLE HAS GLOBAL DATA
		...1		XARPLY	COMMAND IS A REPLY
		.... 1...		XARPLYS	COMMAND IS SECURITY REPLY
		.... .1..		XACRUNSYNCH	Run the command synchronously

Table 614. Structure XSAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		XACDONOXSYS	Do no xsysmcs mcs calls. The caller may or may not hold the xsysmcs resource(s), but in either case will take care of doing the update
		1		XACDOXSYSGETFREE	Do the xsysmcs get and free, but skip the update. The caller will take care of doing the update.
		THE XADISP FIELD MUST BE EXACTLY MAPPED BY THE CHDISP FIELD IN THE CSCB (IEECHAIN) AND THE MGCEDISP FIELD IN THE MGCRE PARAMETER LIST (IEZMGCRE).			
301	(12D)	BITSTRING	1	XADISP	COMMAND DISPOSITION
		1...		XADISPA	COMMAND HAS MASTER AUTHORITY AUTHORITY
		.1..		XADISPM	COMMAND HAS MASTER AUTHORITY. IBM RECOMMENDS USING XADISPA INSTEAD OF XADISPM
		..1.		XADISPC	COMMAND WAS ISSUED FROM AN MCS CONSOLE
		...1		XADISPR	COMMAND WAS ISSUED BEFORE RACF WAS ACTIVATED
		.... 1...		XADISPE	COMMAND WAS ISSUED BY ARM
		.... .111		XAARES1	RESERVED
		THE XAAUTH FIELD MUST BE EXACTLY MAPPED BY THE CHAUTH FIELD IN THE CSCB (IEECHAIN) AND THE MGCEAUTH FIELD IN THE MGCRE PARAMETER LIST (IEZMGCRE).			
302	(12E)	CHARACTER	2	XAAUTH	COMMAND AUTHORITY LEVEL
302	(12E)	BITSTRING	1	XAAUTHA	BYTE ONE
		1...		XAAUTH1	COMMAND HAS SYS AUTHORITY
		.1..		XAAUTH2	COMMAND HAS I/O AUTHORITY
		..1.		XAAUTH3	COMMAND HAS CONS AUTHORITY
		...1 1111		*	RESERVED
303	(12F)	BITSTRING	1	XAAUTHB	BYTE TWO, RESERVED
304	(130)	ADDRESS	4	XACCTXTP	POINTER TO COMMAND TEXT
308	(134)	UNSIGNED	2	XACCLEN	COMMAND TEXT LENGTH
310	(136)	CHARACTER	2	XARESX	RESERVED
312	(138)	ADDRESS	4	XAXSAX	Pointer to XSA Extension (XSAX)
316	(13C)	ADDRESS	4	XALSAV	POINTER TO OLD COMMAND LINE
320	(140)	CHARACTER	8	XACART	COMMAND AND RESPONSE TOKEN
328	(148)	CHARACTER	4	XACCERFL	COMMAND EXIT REQUEST FLAGS
328	(148)	BITSTRING	1	XACCERF1	REQUEST FLAG BYTE ONE
		1...		XACRMI	COMMAND IMAGE WAS CHANGED
		.1..		XACRAUT	COMMAND AUTHORITY LEVEL WAS CHANGED
		..1.		XACRNMG	Request system not produce IEE295I message.
		...1		XACRNHC	Request that system not hardcopy altered command.
		 1111		*	RESERVED
329	(149)	BITSTRING	1	XACCERF2	REQUEST FLAG BYTE TWO, RESERVED
330	(14A)	BITSTRING	1	XACCERF3	REQUEST FLAG BYTE THREE, RESERVED

Table 614. Structure XSAMAP (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
331	(14B)	BITSTRING	1	XACCERF4	REQUEST FLAG BYTE FOUR, RESERVED
332	(14C)	CHARACTER	8	XADSYSN	THE ORIGINATING SYSTEM NAME
340	(154)	CHARACTER	8	XASYSNT	TARGET SYSTEM NAME
348	(15C)	CHARACTER	10	XALPARM	L= PARAMETER
358	(166)	UNSIGNED	1	XALPOS	POSITION OF L= IN COMMAND BUFFER
359	(167)	UNSIGNED	1	XARES1	RESERVED
360	(168)	ADDRESS	4	XAUTOK	POINTER TO UTOKEN
364	(16C)	ADDRESS	4	XARNAME	POINTER TO 39 BYTE STORAGE FOR RNAME
368	(170)	ADDRESS	4	XACMDAUT	POINTER FOR CMDAUTH PARAMETER LIST AND FOR RESOURCE NAME
		THE FOLLOWING FIELD IS TO BE USED BY ALL SVC 34 COMMAND PROCESSORS WHO LOSE ADDRESSABILITY AS A RESULT OF CALLING ANOTHER SVC 34 MODULE. CURRENT USERS ARE AND IEE4003D AND IEE5003D.			
372	(174)	ADDRESS	4	XACMDSAV	POINTER TO SAVEAREA
		XACSNM STORES THE COMMAND ASSOCIATION FOR A MCS CONSOLE OR AN EXTENDED MCS CONSOLE. IEE0003D DETERMINES THE VALUE FOR XACSNM. IEE5403D AND IEE1C03D USE THIS VALUE FOR COMMAND ASSOCIATION PROCESSING.			
376	(178)	CHARACTER	8	XACSNM	COMMAND ASSOCIATION
384	(180)	ADDRESS	4	XACGFS	POINTER TO CGFS PARMLIST
388	(184)	ADDRESS	4	XACETXTP	POINTER TO ORIGINAL CMD
392	(188)	SIGNED	4	XAWORKY	WORK AREA
396	(18C)	SIGNED	4	XAWORKZ	WORK AREA

Table 615. Structure EEXSAS01

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	48	EEXSAS01	
0	(0)	CHARACTER	4	XAH	RECORD HEADER
4	(4)	CHARACTER	8	XAI	MESSAGE ID
12	(C)	CHARACTER	8	XAF	FILL (VARIABLE TEXT)
20	(14)	CHARACTER	24	XAT	PRE-FORMATTED TEXT, DESCRIPTOR CODE, ROUTING CODE
44	(2C)	SIGNED	4	*	RESERVED

Table 616. Structure EEXSAS02

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	EEXSAS02	
0	(0)	CHARACTER	1	XADUSWIT	UNIT FIELD SCAN SWITCHES
	1...			XAXPAREN	EXTERIOR PARENS
	.1..			XAIPAREN	INTERIOR PARENS
	..1.			XARES2	RESERVED
	...1			XAUDVC	NON-CONSOLE DEV
	.... 1...			XARES3	RESERVED
	.... .1..			XARSV7	Reserved - was XAIOCOMP (Composite Console)

Table 616. Structure EEXSAS02 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		.... ..1.		XARSV8	Reserved was XAOUNIT (O-UNIT DEVICE)
		1		XAUBLANK	MESSAGE ISSUANCE INDICATOR
1	(1)	CHARACTER	1	XARES4	Reserved (formerly XADUD) 3@LSD
2	(2)	CHARACTER	2	XACAHOLD	ISSUER CMD AUTH

Table 617. Structure EEXSAS03

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	EEXSAS03	Y02669 Y02669
0	(0)	ADDRESS	1	XARSV2	Reserved - was XASCID (1- byte target console id)
1	(1)	CHARACTER	1	XASDID	DISPLAY AREA ID Y02669
2	(2)	CHARACTER	1	XASDS	SDS SWITCHES Y02669
		1...		XASSDS1	THIS COMMAND IS A STATUS DISPLAY Y02669
		.1..		XASSDS2	L OPERAND IS SPECIFIED ON COMMAND Y02669
		..1.		XASSDS3	COMMAND ISSUER IS NOT COMMTASK
		...1		XASRSV1	Reserved - was XASSDS4 (L= operand specified in RCT)
		.... 1...		XASSDS5	LOCAL AND CMS LOCKS HELD Y02651
		.... .1..		XASRSV2	Reserved - was XASSDS6 (MSGRT CONTINUATION FLAG)
		.... ..1.		XASSDS7	MSG MUST BE ISSUED VIA WTO
		1		XASSDS8	L=NAME-A MUST BE REMOVED
3	(3)	ADDRESS	1	XASPLS3	RESERVED Y02669
4	(4)	SIGNED	4	*	MESSAGE INFO Y02669
4	(4)	ADDRESS	1	XASTSAVE	ERROR CODE - MINOR Y02669
5	(5)	ADDRESS	3	XASOPTR	POINTER TO INVALID OPERAND Y02669

Table 618. Structure EEXSAS05

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	8	EEXSAS05	
0	(0)	CHARACTER	1	XASOPCOD	OPERAND CODES
		1...		XACON	CONSOLE
		.1..		XARES5	Reserved (formerly XAUDSPEC)
		..1.		XAON	ONLINE
		...1		XAOFF	OFFLINE
		.... 1...		XAROUTKW	ROUT KEYWORD SPECIFIED ON VARY COMMAND
		.... .1..		XARSV5	Reserved - was XALTCOM (Alternate console is o-unit)
		.... ..1.		XACMD	COMD AUTH IS TO BE CHANGED
		1		XARSV6	Reserved - was XALTCON (Alternate console is composite)
1	(1)	CHARACTER	1	XASWITCH	SYNTAX INDICATORS AND SWITCHES
		1...		XAROUT	ROUTE CODE IS TO BE CHANGED
		.1..		XAHRDCMD	HARDCOPY OF COMMANDS WANTED

Table 618. Structure EEXSAS05 (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
		..1.		XAINHDCP	INCMDS
		...1		XASTHDCP	STCMDS
		.... 1...		XAHRDREQ	HARDCOPY REQUIRED@Z30LPSV
		.... .1..		XASMF42	SMF ROUTER SWITCH IEE4203D
		.... ..1.		XASMF44	SMF ROUTER SWITCH IEE4403D
		1		XACNCNG	CONSOLE STATE CHANGE INDICATOR USED BY IEE4603D
2	(2)	CHARACTER	1	XARESV	EXITS TO AND FROM IEE4803D AND IEE7303D
		1...		XACENDCK	BRNCH TO CENDCHK
		.1..		XACRT2	BRNCH TO CRT2
3	(3)	CHARACTER	1	XARSV4	Reserved - was XALTPTR (1-byte alternate console id)
4	(4)	CHARACTER	2	XACMDATH	COMMAND AUTH IN COMMAND
6	(6)	CHARACTER	1	XASOPFLG	OPERAND AND THEIR KEYWORD INDICATORS
		1...		XACMDISM	CONSOLE IS TO HAVE MASTER AUTHORITY
7	(7)	CHARACTER	1	XARES9	RESERVED

Table 619. Structure EEXSAS06

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	2	EEXSAS06	
0	(0)	CHARACTER	1	XAAVRANG	RANGE FLAGS 1
		1...		XAARNG1	VARY RANGE IN PROCESS
		.1..		XAARNG2	VARY ENQ RESOURCE HELD
		..1.		XAARNG3	VARY RANGE TERMINATION EXIT TO BE TAKEN
		...1		XAARNG4	REQUEST TYPE: ON - ONLINE OFF - OFFLINE
		.... 1...		XAARNG5	ALTERNATE PATH FOUND FOR AT LEAST ONE UNIT OR ZERO UCBTYPE FIELD. D U COUNT NOT INCREMENTED.
		.... .1..		XAARNG6	RESERVED
		.... ..1.		XAARNG7	RESERVED
		1		XAARNG8	RESERVED
1	(1)	CHARACTER	1	XAAVRNG2	RANGE FLAGS 2
		1...		XAARNG9	RESERVED
		.1..		XAARNG10	RESERVED
		..1.		XAARNG11	RESERVED
		...1		XAARNG12	RESERVED
		.... 1...		XAARNG13	RESERVED
		.... .1..		XAARNG14	RESERVED
		.... ..1.		XAARNG15	RESERVED
		1		XAARNG16	RESERVED

XSA mapping

Table 620. Structure EEXSAS07

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	16	EEXSAS07	
0	(0)	ADDRESS	4	XACMDPLA	ADDR OF PARMETER LIST OF THE COMMAND ATTACHED BY IEE8003D
4	(4)	ADDRESS	4	XASAVREG	AREA TO SAVE REG3 FOR IEE8303D
8	(8)	CHARACTER	8	*	RESERVED

Table 621. Structure EEXSAS09

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	EEXSAS09	
0	(0)	CHARACTER	1	XADSFLG1	Flags
		1...		XADRLOCL	Input command is a local REPLY
		.111 1111		*	Reserved
1	(1)	UNSIGNED	1	XADRCODE	Return code
2	(2)	CHARACTER	2	XADRESV	Reserved

Table 622. Structure EEXSAS10

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	4	EEXSAS10	
0	(0)	ADDRESS	4	XADPSUBP	Address of pre-substitution command buffer

Table 623. Structure XADPSUBB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	*	XADPSUBB	Buffer map for pre- substitution command
0	(0)	SIGNED	2	XADPSUBL	Length of pre-substitution command text
2	(2)	CHARACTER	*	XADPSUBT	Text of pre-substitution command (Maximum 126 characters)

Table 624. Constants for XSA

Len	Type	Value	Name	Description
4	DECIMAL	39	XARNMLEN	LENGTH OF THE STORAGE THAT XARNAME POINTS TO
	VALUES FOR THE VERSION LEVEL(XAVERSN)			
1	DECIMAL	1	XASP21	Level HBB2102
1	DECIMAL	2	XASP22	Level JBB2220
1	DECIMAL	3	XASP31	Level HBB3310
1	DECIMAL	4	XASP313	Level JBB3313
1	DECIMAL	5	XASP410	Level HBB4410
1	DECIMAL	6	XASP420	Level HBB4420
1	DECIMAL	6	XAVERID	Current Level
1	DECIMAL	0	XADSUBT	Substitution occurred
1	DECIMAL	4	XADNOSUB	Substitution did not occur
4	CHARACTER	XSAX	XSAX_ACRO	Acronym for XSAX

Table 624. Constants for XSA (continued)

Len	Type	Value	Name	Description
4	DECIMAL	1	XSAX_VERS_HBB7730	Version for HBB7730
4	DECIMAL	1	XSAX_CURR_VERSION	Current version

Table 625. Cross Reference for XSA

Name	Offset	Hex Tag
EEXSAS01	0	
EEXSAS02	0	
EEXSAS03	0	
EEXSAS05	0	
EEXSAS06	0	
EEXSAS07	0	
EEXSAS09	0	
EEXSAS10	0	
XAA	2A	
XAARES1	12D	07
XAARNG1	0	80
XAARNG10	1	40
XAARNG11	1	20
XAARNG12	1	10
XAARNG13	1	08
XAARNG14	1	04
XAARNG15	1	02
XAARNG16	1	01
XAARNG2	0	40
XAARNG3	0	20
XAARNG4	0	10
XAARNG5	0	08
XAARNG6	0	04
XAARNG7	0	02
XAARNG8	0	01
XAARNG9	1	80
XAAROUT	E0	
XAAUTH	12E	
XAAUTHA	12E	
XAAUTHB	12F	
XAAUTH1	12E	80
XAAUTH2	12E	40
XAAUTH3	12E	20
XAAVRANG	0	
XAAVRNG2	1	
XABEWTO	8B	08
XABS203D	100	
XABS303D	C8	
XABS403D	CC	
XACAHOLD	2	
XACARJ	10D	10
XACART	140	
XACATP	10D	20

Table 625. Cross Reference for XSA (continued)

Name	Offset	Hex Tag
XACBID	90	
XACCERFL	148	
XACCERF1	148	
XACCERF2	149	
XACCERF3	14A	
XACCERF4	14B	
XACCLEN	134	
XACCTXTP	130	
XACDONOXSYS	12C	02
XACDOXSYSGETFREE	12C	01
XACENDCK	2	80
XACETXTP	184	
XACGFS	180	
XACMD	0	02
XACMDATH	4	
XACMDAUT	170	
XACMDF	12C	
XACMDISM	6	80
XACMDPLA	0	
XACMDSAV	174	
XACMFLGA	88	
XACMFLGB	8A	
XACMFLGS	88	
XACMFLG1	88	
XACMFLG2	89	
XACMFLG3	8A	
XACMFLG4	8B	
XACMF11	88	80
XACMF12	88	40
XACMF13	88	20
XACMF14	88	10
XACMF15	88	08
XACMF16	88	04
XACMF17	88	02
XACMF18	88	01
XACMF21	89	80
XACMF22	89	40
XACMF23	89	20
XACMF24	89	10
XACMF25	89	08
XACMF26	89	04
XACMF27	89	02
XACMF28	89	01
XACMF31	8A	80
XACMF32	8A	40
XACMF33	8A	20
XACMF34	8A	10
XACMF41	8B	80
XACMF43	8B	20

Table 625. Cross Reference for XSA (continued)

Name	Offset	Hex Tag
XACMF44	8B	10
XACMNMCS	12C	80
XACNCNG	1	01
XACNSICL	128	
XACNSIDI	128	
XACNSIDT	124	
XACNSIID	129	
XACNSTCL	124	
XACNSTID	125	
XACOFFLN	8A	02
XACON	0	80
XACONSNI	11C	
XACONSNT	114	
XACPLVAL	12C	40
XACRAUT	148	40
XACRESET	8A	08
XACRMI	148	80
XACRNHC	148	10
XACRNMG	148	20
XACRT2	2	40
XACRUNSYNCH	12C	04
XACSNM	178	
XACTOKEN	8C	
XACTOKHR	8C	80
XACUIRMG	8A	04
XAD	4	
XADISP	12D	
XADISPA	12D	80
XADISPC	12D	20
XADISPE	12D	08
XADISPM	12D	40
XADISPR	12D	10
XADPSUBB	0	
XADPSUBL	0	
XADPSUBP	0	
XADPSUBT	2	
XADRCODE	1	
XADRESV	2	
XADRLOCL	0	80
XADROUT	F0	
XADSFLG1	0	
XADSYSN	14C	
XADUSWIT	0	
XAE	10	
XAF	C	
XAFLAGS	10D	
XAGBDATA	12C	20
XAGLUE	10C	
XAGOTCA	10D	04

Table 625. Cross Reference for XSA (continued)

Name	Offset	Hex Tag
XAH	0	
XAHCONLY	8B	01
XAHRDCMD	1	40
XAHRDREQ	1	08
XAI	4	
XAINHDCP	1	20
XAIPAREN	0	40
XAK	2C	
XAL	15	
XALPARM	15C	
XALPOS	166	
XALSAV	13C	
XAMIGID_4_TRK	10F	
XAMRES2	10D	03
XAMSRAS	94	
XAMULTI	10D	80
XAN	14	
XANETMOD	10C	80
XANOBY	8B	02
XAOFF	0	10
XAON	0	20
XAP	0	
XAPREFIXREJECTED	10D	08
XAR	11	
XARES	10E	
XARESV	2	
XARESX	136	
XARES1	167	
XARES2	0	20
XARES3	0	08
XARES4	1	
XARES5	0	40
XARES9	7	
XARNAME	16C	
XARN003D	C0	
XARN303D	C4	
XARN403D	110	
XAROUT	1	80
XAROUTKW	0	08
XARPLY	12C	10
XARPLYS	12C	08
XARSV2	0	
XARSV3	28	
XARSV4	3	
XARSV5	0	04
XARSV6	0	01
XARSV7	0	04
XARSV8	0	02
XARTCODE	D0	

Table 625. Cross Reference for XSA (continued)

Name	Offset	Hex Tag
XAS	20	
XASAVLC1	30	
XASAVLC2	34	
XASAVLC3	38	
XASAVLC4	3C	
XASAVLOX	30	
XASAVREG	4	
XASAVSDA	40	
XASAVSDB	44	
XASAVSDC	48	
XASAVSDD	4C	
XASAVSDE	50	
XASAVSDF	54	
XASAVSDG	58	
XASAVSDH	5C	
XASAVSDI	60	
XASAVSDJ	64	
XASAVSDK	68	
XASAVSDL	6C	
XASAVSDM	70	
XASAVSDN	74	
XASAVSDO	78	
XASAVSDP	7C	
XASAVSDQ	80	
XASAVSDR	84	
XASAVSTR	40	
XASDID	1	
XASDS	2	
XASMF42	1	04
XASMF44	1	02
XASOPCOD	0	
XASOPFLG	6	
XASOPTR	5	
XASPLS3	3	
XASRSV1	2	10
XASRSV2	2	04
XASSDS1	2	80
XASSDS2	2	40
XASSDS3	2	20
XASSDS5	2	08
XASSDS7	2	02
XASSDS8	2	01
XASTHDCP	1	10
XASTSAVE	4	
XASUBSTU	8B	04
XASVRB	0	
XASWITCH	1	
XASYSNT	154	
XAT	14	

Table 625. Cross Reference for XSA (continued)

Name	Offset	Hex Tag
XATCAM	108	
XATJY	8B	40
XATPMOD	10C	40
XATRNSPT	10D	40
XAUBLANK	0	01
XAUDVC	0	10
XAUTOK	168	
XAV	18	
XAVERSN	B8	
XAVTAM	104	
XAV1	18	
XAV2	1C	
XAWORK	98	
XAWORKA	98	
XAWORKB	9C	
XAWORKC	A0	
XAWORKD	A4	
XAWORKE	A8	
XAWORKF	AC	
XAWORKG	B0	
XAWORKH	B4	
XAWORKI	B9	
XAWORKJ	BC	
XAWORKY	188	
XAWORKZ	18C	
XAX	8	
XAXPAREN	0	80
XAXSAX	138	
XSA	0	
XSAMAP	0	

Chapter 178. XSB Information

XSB Heading Information

Common Name: EXTENDED STATUS BLOCK
Macro ID: IHAXSB
DSECT Name: XSB
Owning Component: SUPERVISOR CONTROL (SC1C5)
Eye-Catcher ID:
```
XSB
Offset:  0
Length:  4
```
Storage Attributes:
```
Subpool:   255 (ELSQA) OR 238 (COMMON)
Key:       0
Residency: ABOVE 16 MB LINE
```
Size: 128 BYTES
Created by:
```
IEAVEXPM
IEAVESVC
IEAVEMIN
IEAMSWCB
IEAVESPM
```
Pointed to by:
```
IHSAXSB    FOR XSB OF IHSA
SSRBXSB    FOR XSB OF SSRB
RBXSB      FOR XSB OF IRB,PRB,SIRB,SVRB
TCBXSB     CURRENT XSB OF TASK
```
Serialization:
```
XSB OF IHSA               - LOCAL LOCK
XSB OF SSRB               - N/A
XSB OF IRB,PRB,SIRB,SVRB  - TCBACTIV
```
Function: CONTAINS ADDITIONAL INFORMATION REQUIRED FOR DISPATCH OR REDISPATCH OF WORK UNIT.

XSB mapping

Table 626. Structure XSB

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	XSB	
0	(0)	DBL WORD	8	XSBBEGIN(0)	BEGINNING OF XSB.
0	(0)	CHARACTER	4	XSBXSB	XSB ACRONYM.
4	(4)	SIGNED	4	XSBLINK(0)	LINK TO NEXT AVAILABLE XSB IN POOL. SET BY EXIT, IEAVEOR, WHEN PUTTING XSB IN POOL. CLEARED BY STAGE 3, IEAVEEE0, WHEN ASSIGNING XSB TO AN IRB.
4	(4)	SIGNED	4	XSBFLGS(0)	XSB FLAGS.
4	(4)	BITSTRING	1	XSBFLGS1	First flag byte
		1...		XSBPSRBI	"X'80'" Used internally by RTM processing
		.1..		XSBPDQX	"X'40'" Used internally by IOS processing
		..1.		XSBSAOK	"X'20'" Used internally by SUP processing
		...1		XSBT1LSO	"X'10'" Used internally by SUP processing

Table 626. Structure XSB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
5	(5)	BITSTRING	3	XSBR005	RESERVED
8	(8)	DBL WORD	8	XSB_PRIVATE_WORKAREA_START(0)	
8	(8)	DBL WORD	8	XSBR008(0)	RESERVED. WAS XSBXMCRS
8	(8)	SIGNED	2		OLD XSBKM FIELD. NOW MOVED.
10	(A)	SIGNED	2		OLD XSBSASID FIELD. NOW MOVED.
12	(C)	SIGNED	2		OLD XSBAX FIELD. NOW MOVED.
14	(E)	SIGNED	2		OLD XSBPASID FIELD. NOW MOVED.
16	(10)	DBL WORD	8	XSBCMLE(0)	CML LOCK STATUS ELEMENT.
16	(10)	ADDRESS	4	XSBXLIDR	DATA FOR IDENTIFICATION OF CML REQUESTOR. ASID ASSOCIATED WITH SRB MODE CML LOCK REQUESTOR (IN XSB OF SSRB).
20	(14)	ADDRESS	4	XSBXLAS	ASCB ADDRESS OF CML LOCK REQUESTED/OWNED.
24	(18)	DBL WORD	8	XSBSTKE(0)	CURRENT PCLINK STACK INFORMATION.
24	(18)	SIGNED	2	XSBTKN	CURRENT STACK TOKEN.
26	(1A)	SIGNED	2	XSBASD	CURRENT STACK ADDRESS SPACE DESIGNATOR.
28	(1C)	ADDRESS	4	XSBSEL	CURRENT STACK ELEMENT ADDRESS.
32	(20)	BITSTRING	4	XSBSRSN	SUSPEND/RESUME SEQUENCE NUMBER OWNERSHIP: SUPERVISOR CONTROL SERIALIZATION: TCBACTIV AND DISABLEMENT
36	(24)	SIGNED	4	XSBEAXW(0)	EAX VALUE WORD.
36	(24)	SIGNED	2	XSBEAX	EAX VALUE.
38	(26)	SIGNED	2		LOWER HALF OF FULLWORD USED TO HOLD EAX VALUE - PROVIDED SO THAT STCTL CAN BE USED TO STORE CONTROL REGISTER 8 INTO XSBEAXW. THE CONTENTS OF THIS HALFWORD ARE UNPREDICTABLE.
40	(28)	ADDRESS	4	XSBALOV	DISPATCHABLE UNIT ACCESS LIST VIRTUAL ADDRESS.
44	(2C)	ADDRESS	4	XSBALD	DISPATCHABLE UNIT ACCESS LIST REAL ADDRESS.
48	(30)	BITSTRING	64	XSBARS(0)	ACCESS REGISTER SAVEAREA.
48	(30)	SIGNED	4	XSBAR0	ACCESS REGISTER 0.
52	(34)	SIGNED	4	XSBAR1	ACCESS REGISTER 1.
56	(38)	SIGNED	4	XSBAR2	ACCESS REGISTER 2.
60	(3C)	SIGNED	4	XSBAR3	ACCESS REGISTER 3.
64	(40)	SIGNED	4	XSBAR4	ACCESS REGISTER 4.
68	(44)	SIGNED	4	XSBAR5	ACCESS REGISTER 5.
72	(48)	SIGNED	4	XSBAR6	ACCESS REGISTER 6.
76	(4C)	SIGNED	4	XSBAR7	ACCESS REGISTER 7.
80	(50)	SIGNED	4	XSBAR8	ACCESS REGISTER 8.
84	(54)	SIGNED	4	XSBAR9	ACCESS REGISTER 9.
88	(58)	SIGNED	4	XSBARA	ACCESS REGISTER 10.
92	(5C)	SIGNED	4	XSBARB	ACCESS REGISTER 11.
96	(60)	SIGNED	4	XSBARC	ACCESS REGISTER 12.
100	(64)	SIGNED	4	XSBARD	ACCESS REGISTER 13.
104	(68)	SIGNED	4	XSBARE	ACCESS REGISTER 14.
108	(6C)	SIGNED	4	XSBARF	ACCESS REGISTER 15.

Table 626. Structure XSB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
112	(70)	BITSTRING	1	XSBFLAG2	Flag byte. Cleared for SVRB.
		1...		XSBLSUSB	"X'80'" LINKAGE STACK UNSTACK SUPPRESSION BIT.
		.1..		XSBLSRST	"X'40'" IF ONE, EXIT & EXIT PROLOG WILL NOT ENFORCE THE LINKAGE STACK CHECKPOINT, JUST RESTORE THE LINKAGE STACK. SET IN THE EXITING RB.
		..1.		XSBLSESB	"X'20'" LINKAGE STACK EXTRACT/MODIFY SUPPRESSION BIT
		.... .1..		XSBRELEASECODEVALID	"X'04'" When on, indicates that this RB level was interrupted for RTM processing after it had been Released but before it could regain control, and that XSBReleaseCode contains its Release code. This indicator is reset by RTM
		.... ..1.		XSBFOUNDBUTLONGPARMBAD	"X'02'" Found a potential match but could not use it because of LongParm. Keep looking. Used to differentiate between producing 306-44 and 806-04 abends
		1		XSBHAVELONGPARM	"X'01'" Have LongParm
113	(71)	CHARACTER	3	XSBRELEASECODE	Release code when the current RB level was interrupted for RTM processing after it had been released but before it regained control. Valid only when XSBReleaseCodeValid is on
116	(74)	ADDRESS	4	XSBLSCP	LINKAGE STACK CHECKPOINT ADDRESS.
120	(78)	ADDRESS	4	XSBSXSB	POINTER TO SXSB.
124	(7C)	BITSTRING	4	XSBR07C	RESERVED.
128	(80)	DBL WORD	8	(0)	
128	(80)	BITSTRING	64	XSBG64H(0)	64-BIT GPR HIGH ORDER HALF SAVEAREA
128	(80)	SIGNED	4	XSBG64H0	64-BIT GPR 0 BITS 0-31
132	(84)	SIGNED	4	XSBG64H1	64-BIT GPR 1 BITS 0-31
136	(88)	SIGNED	4	XSBG64H2	64-BIT GPR 2 BITS 0-31
140	(8C)	SIGNED	4	XSBG64H3	64-BIT GPR 3 BITS 0-31
144	(90)	SIGNED	4	XSBG64H4	64-BIT GPR 4 BITS 0-31
148	(94)	SIGNED	4	XSBG64H5	64-BIT GPR 5 BITS 0-31
152	(98)	SIGNED	4	XSBG64H6	64-BIT GPR 6 BITS 0-31
156	(9C)	SIGNED	4	XSBG64H7	64-BIT GPR 7 BITS 0-31
160	(A0)	SIGNED	4	XSBG64H8	64-BIT GPR 8 BITS 0-31
164	(A4)	SIGNED	4	XSBG64H9	64-BIT GPR 9 BITS 0-31
168	(A8)	SIGNED	4	XSBG64HA	64-BIT GPR 10 BITS 0-31
172	(AC)	SIGNED	4	XSBG64HB	64-BIT GPR 11 BITS 0-31
176	(B0)	SIGNED	4	XSBG64HC	64-BIT GPR 12 BITS 0-31
180	(B4)	SIGNED	4	XSBG64HD	64-BIT GPR 13 BITS 0-31
184	(B8)	SIGNED	4	XSBG64HE	64-BIT GPR 14 BITS 0-31
188	(BC)	SIGNED	4	XSBG64HF	64-BIT GPR 15 BITS 0-31

Table 626. Structure XSB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
192	(C0)	BITSTRING	8	XSBRTRNE	VIRTUAL ADDRESS CAUSING TRANSLATION EXCEPTION IF PROGRAM INTERRUPT X'10', X'11', X'39', X'3A'
200	(C8)	BITSTRING	16	XSBXMC64(0)	XM STATUS CONTROL REGS
200	(C8)	BITSTRING	8	XSBXMC643(0)	CR3
200	(C8)	SIGNED	4	XSBXMC643_SINS	INSTANCE NUMBER
204	(CC)	SIGNED	4	XSBXMC643_KM_SASID(0)	
204	(CC)	BITSTRING	2	XSBXMC643_KM(0)	KEY MASK
204	(CC)	SIGNED	2	XSBKM	KEY MASK.
206	(CE)	BITSTRING	2	XSBXMC643_SASID(0)	SECONDARY ASID
206	(CE)	SIGNED	2	XSBSASID	SECONDARY ASID.
208	(D0)	BITSTRING	8	XSBXMC644(0)	CR3
208	(D0)	SIGNED	4	XSBXMC644_PINS	INSTANCE NUMBER
212	(D4)	SIGNED	4	XSBXMC644_AX_PASID(0)	
212	(D4)	BITSTRING	2	XSBXMC644_AX(0)	AUTHORIZATION INDEX
212	(D4)	SIGNED	2	XSBAX	AUTHORIZATION INDEX.
214	(D6)	BITSTRING	2	XSBXMC644_PASID(0)	PRIMARY ASID
214	(D6)	SIGNED	2	XSBPASID	PRIMARY ASID.
216	(D8)	BITSTRING	8	XSBRBEA	BREAKING EVENT ADDRESS
224	(E0)	BITSTRING	16	XSBRP16	16-byte psw analog of RBRTPSW1
		1		XSBRP16_AMODE64	"X'01'" AMODE 64 bit at offset 3
		1...		XSBRP16_AMODE31	"X'80'" AMODE 31 bit at offset 4
232	(E8)	BITSTRING	8	XSBRP16_IA	8-byte instruction address
240	(F0)	BITSTRING	16	XSBOPSW16	16-BYTE PSW ANALOG OF RBOPSW
		1		XSBOPSW16_AMODE64	"X'01'" AMODE 64 bit at offset 3
		1...		XSBOPSW16_AMODE31	"X'80'" AMODE 31 bit at offset 4
248	(F8)	BITSTRING	8	XSBOPSW16_IA	8-byte instruction address
248	(F8)	BITSTRING	4	XSBOPSW16_IA_0TO3	First 4 bytes of instruction address
252	(FC)	BITSTRING	4	XSBOPSW16_IA_4TO7	Second 4 bytes of instruction address
256	(100)	BITSTRING	8	XSB_ORIG_RBOPSW(0)	Copy of RBOPSW at time of SVRB creation, or as RBOPSW is modified
256	(100)	BITSTRING	4	XSB_ORIG_RBOPSW_0TO3	
260	(104)	ADDRESS	4	XSB_ORIG_RBOPSW_IA	
264	(108)	BITSTRING	8	XSBEP8	8-byte analog of RBEP for IRB, SIRB
268	(10C)	BITSTRING	4	XSBEP8_4TO7	
268	(10C)	BITSTRING	1	XSBEP8_4	
		1...		XSBEP8_AMODE31	"X'80'"
269	(10D)	BITSTRING	1	XSBEP8_5	
270	(10E)	BITSTRING	1	XSBEP8_6	
271	(10F)	BITSTRING	1	XSBEP8_7	
		1		XSBEP8_PD	"X'01'"
272	(110)	DBL WORD	8	XSBR110(2)	
288	(120)	DBL WORD	8	XSBEND(0)	END OF XSB.
288	(120)	X'120'	0	XSBLEN	"XSBEND-XSBBEGIN" LENGTH OF XSB.
288	(120)	X'118'	0	XSB_PRIVATE_WORKAREA_LEN	"XSBEND-XSB_PRIVATE_WORKAREA_START"
288	(120)	X'8'	0	XSB_PRIVATE_WORKAREA_OFFSET	"XSBR008-XSB"

Table 626. Structure XSB (continued)

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
288	(120)	X'A'	0	XSBPCNT	"10" XSB POOL COUNT.
288	(120)	X'A'	0	XSBPXCNT	"10" XSB POOL EXTENT COUNT.

Table 627. Cross Reference for XSB

Name	Offset	Hex Tag
XSB	0	
XSB_ORIG_RBOPSW	100	
XSB_ORIG_RBOPSW_IA	104	
XSB_ORIG_RBOPSW_0TO3	100	
XSB_PRIVATE_WORKAREA_LEN	120	118
XSB_PRIVATE_WORKAREA_OFFSET	120	8
XSB_PRIVATE_WORKAREA_START	8	
XSBALD	2C	
XSBALOV	28	
XSBARA	58	
XSBARB	5C	
XSBARC	60	
XSBARD	64	
XSBARE	68	
XSBARF	6C	
XSBARS	30	
XSBAR0	30	
XSBAR1	34	
XSBAR2	38	
XSBAR3	3C	
XSBAR4	40	
XSBAR5	44	
XSBAR6	48	
XSBAR7	4C	
XSBAR8	50	
XSBAR9	54	
XSBASD	1A	
XSBAX	D4	
XSBBEGIN	0	
XSBCMLE	10	
XSBEAX	24	
XSBEAXW	24	
XSBEND	120	
XSBEP8	108	
XSBEP8_AMODE31	10C	80
XSBEP8_PD	10F	1
XSBEP8_4	10C	
XSBEP8_4TO7	10C	
XSBEP8_5	10D	
XSBEP8_6	10E	
XSBEP8_7	10F	
XSBFLAG2	70	

Table 627. Cross Reference for XSB (continued)

Name	Offset	Hex Tag
XSBFLGS	4	
XSBFLGS1	4	
XSBFOUNDBUTLONGPARMBAD	70	2
XSBG64H	80	
XSBG64HA	A8	
XSBG64HB	AC	
XSBG64HC	B0	
XSBG64HD	B4	
XSBG64HE	B8	
XSBG64HF	BC	
XSBG64H0	80	
XSBG64H1	84	
XSBG64H2	88	
XSBG64H3	8C	
XSBG64H4	90	
XSBG64H5	94	
XSBG64H6	98	
XSBG64H7	9C	
XSBG64H8	A0	
XSBG64H9	A4	
XSBHAVELONGPARM	70	1
XSBKM	CC	
XSBLEN	120	120
XSBLINK	4	
XSBLSCP	74	
XSBLSESB	70	20
XSBLSRST	70	40
XSBLSUSB	70	80
XSBOPSW16	F0	
XSBOPSW16_AMODE31	F0	80
XSBOPSW16_AMODE64	F0	1
XSBOPSW16_IA	F8	
XSBOPSW16_IA_0TO3	F8	
XSBOPSW16_IA_4TO7	FC	
XSBPASID	D6	
XSBPCNT	120	A
XSBPDQX	4	40
XSBPSRBI	4	80
XSBPXCNT	120	A
XSBRBEA	D8	
XSBRELEASECODE	71	
XSBRELEASECODEVALID	70	4
XSBRP16	E0	
XSBRP16_AMODE31	E0	80
XSBRP16_AMODE64	E0	1
XSBRP16_IA	E8	
XSBRTRNE	C0	
XSBR005	5	
XSBR008	8	

Table 627. Cross Reference for XSB (continued)

Name	Offset	Hex Tag
XSBR07C	7C	
XSBR110	110	
XSBSAOK	4	20
XSBSASID	CE	
XSBSEL	1C	
XSBSRSN	20	
XSBSTKE	18	
XSBSXSB	78	
XSBTKN	18	
XSBT1LSO	4	10
XSBXLAS	14	
XSBXLIDR	10	
XSBXMC64	C8	
XSBXMC643	C8	
XSBXMC643_KM	CC	
XSBXMC643_KM_SASID	CC	
XSBXMC643_SASID	CE	
XSBXMC643_SINS	C8	
XSBXMC644	D0	
XSBXMC644_AX	D4	
XSBXMC644_AX_PASID	D4	
XSBXMC644_PASID	D6	
XSBXMC644_PINS	D0	
XSBXSB	0	

Chapter 179. XTLST Information

XTLST Programming Interface Information

XTLST is a programming interface.

XTLST Heading Information

Common Name:	Extent List
Macro ID:	IHAXTLST
DSECT Name:	XTLST
Owning Component:	Contents Supervision (SC1CJ)
Eye-Catcher ID:	none
Storage Attributes:	Subpool: 245 (global), 255 (local) Key: 0
Size:	16 bytes (single extent) + 8 bytes / additional extent
Created by:	CSVFORKM (local) - CSV Fork exit processing CSVLLEXT (SP241 for exit CSVLLIX1) - Library Lookaside Exit Manager CSVLLTCH (local) - LLA module fetch CSVVFTCH (in VFWK) - Virtual Fetch IEAVID00 (local) - IDENTIFY JPA processing Certain DFSMS services IEAVID00 (global) - IDENTIFY LPA processing IEAVNPD5 (global) - Pageable Device support module loader
Pointed to by:	CDXLMJP (field in CDE)
Serialization:	Local Lock.
Function:	The XTLST contains information about the number, size, and location of the extents of a load module or program object.

XTLST mapping

Table 628. Structure XTLST

Offset Dec	Offset Hex	Type	Len	Name(Dim)	Description
0	(0)	STRUCTURE	0	XTLST	
0	(0)	SIGNED	4	XTLLNTH	- Number of bytes in extent list (=16)
4	(4)	SIGNED	4	XTLNRFAC	- Number of relocation factors (extents) =1
8	(8)	ADDRESS	4	XTLMSBLA(0)	- Fullword length of main storage block (module extent)
8	(8)	CHARACTER	1		- End of extent list indication (X'80')
9	(9)	ADDRESS	3	XTLMSBLN	- Length of main storage block (extent)
12	(C)	ADDRESS	4	XTLMSBAA(0)	- Fullword address of main storage block
12	(C)	ADDRESS	4	XTLMSBAD	- Address of main storage block

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