

Version 147 Release Guide

CL/SUPERSESSION®
CL/GATEWAY™

G251238800

October 1993

Candle Corporation
2425 Olympic Boulevard
Santa Monica, California 90404

Registered trademarks of Candle Corporation: AF/OPERATOR, AF/PERFORMER, AF/REMOTE, Availability Command Center, Candle Command Center, Candle Electronic Customer Support, Candle Management Server, Candle Management Workstation, Candle Technologies, CL/CONFERENCE, CL/SUPERSESSION, CT, CT/Data Server, CT/DS, !DB, !DB/QUICKCHANGE, DELTAMON, OMEGACENTER, OMEGAMON, OMEGAMON/e, OMEGAMON II, OMEGAMON Monitoring Agents, OMEGAVIEW, OMEGAVIEW II, and Transplex.

Trademarks of Candle Corporation: Alert Adapter, Alert Emitter, AMS, Amsys, AUTOMATED FACILITIES, Availability Management Systems, CCC, CICAT, CL/ENGINE, CL/GATEWAY, CL/TECHNOLOGY, CMS, CMW, Command & Control, Connect-Notes, Connect-Two, CSA ANALYZER, CT/ALS, CT/Application Logic Services, CT/DCS, CT/Distributed Computing Services, CT/Engine, CT/Implementation Services, CT/IX, CT/Workbench, CT/Workstation Server, CT/WS, !DB/DASD, !DB/EXPLAIN, !DB/MIGRATOR, !DB/QUICKCOMPARE, !DB/SMU, !DB/Tools, !DB/WORKBENCH, Design Network, DEXAN, End-to-End, Enterprise Candle Command Center, Enterprise Candle Management Workstation, EPILOG, ESRA, HostBridge, IntelliWatch, Messaging Mastered, MQADMIN, MQEdit, MQEXPERT, MQMON, MQSecure, MQView, Networked Applications, Networked Businesses, OMC Gateway, OMC Status Manager, OMEGACENTER Bridge, OMEGACENTER Gateway, OMEGACENTER Status Manager, OMEGAMON Management Center, OSM, PC COMPANION, Performance Pac, PowerQ, PQConfiguration, PQEdit, PQScope, RTA, Solutions for Networked Applications, Solutions for Networked Businesses, Status Monitor, and Unified Directory Services.

Service marks of Candle Corporation: CECS.

Products and terms used herein may be trademarks or registered trademarks of their respective holders. This documentation set may contain references to some or all of the following products.

Registered trademarks of International Business Machines Corporation: AIX, Application System/400, AS/400, BookManager, DB2, IBM, NetView, OS/2, OS/400, SAA, Systems Application Architecture, SystemView, System Performance Monitor/2, THESEUS2, VM/ESA, and VTAM.

Trademarks of International Business Machines Corporation: ACF/VTAM, CICS, CICS/ESA, CICS/MVS, CICS/VSE, CICS/Transaction Server for OS/390 Release 1, Common User Access, CUA, DATABASE 2, DataHub, DFSMS, DFSMSdfp, DFSMSdss, DFSMSHsm, DFSMSrmm, ESA/370, ESCON, GDMM, Hiperspace, IIN, IMS/ESA, Information Warehouse, MQSeries, MVS/DFP, MVS/ESA, MVS/SP, MVS/XA, OfficeVision, OpenEdition, PR/SM, QMF, RACF, VM/XA, VSE/ESA, VSE/POWER, and 3090.

Registered trademarks of Computer Associates International, Inc.: CA-ACF2, CA-DATACOM, CA-DATACOM/DB, CA-IDEAL, CA-TOP SECRET, IDMS, and ROSCOE.

Trademarks of Computer Associates International, Inc.: CA-MAZDAMON, CA-7, and TMS.

Registered trademarks of SAS Institute, Inc.: SAS, SAS/GRAPH, and SAS/ETS.

Trademarks and registered trademarks of other companies: ADABAS is a trademark of Software/AG of North America, Inc. Advantis is a trademark of Advantis. ABEND-AID is a trademark of Compuware, Inc. DEC is a registered trademark of Digital Equipment Corporation. GENER/OL is a registered trademark of Pansophic Systems, Inc. HP-UX is a trademark of Hewlett-Packard Company. Key Tronic is a registered trademark of Key Tronic Corporation. Lotus and 1-2-3 are registered trademarks of Lotus Development Corporation. Millennium is a registered trademark of Dun & Bradstreet Software Services, Inc. Multi-Image Manager and NetSpy are trademarks; and TPX is a registered trademark of Legent, Inc. Multiple Domain Facility and Amdahl are trademarks of Amdahl Corporation. MXG is a registered trademark of Merrill Consultants. NetWare and Novell are registered trademarks of Novell, Inc. ORACLE is a registered trademark of Oracle Corporation. RoadRunner and Maestro are trademarks of Unison Software. SAP is a registered trademark of SAP AG. Solaris and SunOS are trademarks of Sun Microsystems, Inc. SUPRA is a registered trademark of Cincom Systems, Inc. Tandem is a trademark of Tandem Computers, Inc. UFO is a registered trademark of On-Line Software International, Inc. UNIX is a registered trademark in the U.S. and other countries, licensed exclusively through X/Open Company Ltd. USADirect is a registered trademark of AT&T. VMSECURE and SOLVE:Netmaster are registered trademarks of Sterling Software, Inc. Windows NT is a trademark; and Microsoft and Windows are registered trademarks of Microsoft Corporation.

All other trademarks and registered trademarks are the property of their respective companies.

ProtoView Development Corp. - Contains DataTable Version 3.0 Copyright 1989—1996 by ProtoView Development Corp. and distributed under license by Candle Corporation.

Copyright © , Candle Corporation. All rights reserved. International rights secured.

NOTICE: This documentation is provided with RESTRICTED RIGHTS. Use, duplication, or disclosure by the Government is subject to restrictions set forth in the applicable license agreement and/or the applicable government rights clause.

Read This First	5
Chapter 1. Version 147	11
New Features and Enhancements	11
Documentation	12
Chapter 2. Version 146	15
Highlights	15
New Features and Enhancements	15
Changes	20
Migration Considerations	24

Preface

About this document

The *Version 147 Release Guide* summarizes new features and enhancements incorporated into the latest version of CL/SUPERSESSION®, CL/GATEWAY® for MVS, and CL/GATEWAY for IMS. It also contains information about the changes that were included in Version 146.

You can use this guide to help you evaluate Version 147. Because of the many improvements in overall product quality and function, Candle Corporation strongly suggests that you install this release.

If you want to update your installation with this version, contact your Candle Corporation Account Manager.

Customer Support

Introduction

Candle provides electronic support and telephone support to assist you when you have questions about Candle products. Customer support is available 24 hours a day, seven days a week.

Electronic support

Candle Electronic Customer Support® (CECSSM) enables you to search for existing questions, answers, problems, and fixes; review preventive service planning (PSP) information; and open incidents for Candle products. CECS is available through the Advantis™ network and by direct PC dial-up. For registration information, call your nearest Candle Support Services office.

Telephone support

If you have an urgent problem or need to talk to a Candle Support Services representative, contact the Support Services office nearest you.

Office	Telephone	Fax
North America		
Santa Monica	(800) 328-1811 (310) 829-5844	(310) 582-4204
Europe		
Antwerp	(32) (3) 272-3606	(32) (3) 272-3607
Breda	(31) (76) 520.19.09	(31) (76) 520.19.19
Duesseldorf	(49) (21) 193-6920	(49) (21) 193-69220
Manchester	(44) 161 499 3503	(44) 161 437 5225
Munich	(49) 89 54 5540	(49) 89 54 5541-19
Paris	(33) (1) 5361 6000	(33) (1) 5361 0515
Sollentuna	(46) 8 623 1235	(46) 8 623 1855
Asia Pacific		
Hong Kong	(852) 2528 6289	(852) 2865 0770
Kuala Lumpur	(603) 230 9930	(603) 230 9932
Singapore	(65) 220 50 92	(65) 226 35 79
Sydney	(61) 2 9954 1500	(61) 2 9954 1818
Tokyo	(81) 3 5562-6991	(81) 3 5562-6995

International customers

When your local support office is unavailable, you may contact Candle's North America support center. If USADirect® service is available in your country, use the 800 telephone number. If USADirect service is not available, ask your international operator for assistance in calling Candle's local (310) number.

Incident information

A Candle support representative may request the following information when you call to report a problem:

- your Candle personal ID (PID) number
- the release level of the Candle product
- the release level of IBM® or other vendor software
- identifying information and dates of recently applied maintenance to the Candle product
- a detailed description of the problem (including the error message) and what led up to the failure
- a description of any unusual events that occurred before the problem

Incident documentation

You may be asked to send incident documentation to Candle Support Services. On the outside of the package, please write the incident number given to you by the Candle Support Services representative. Send your documentation addressed as follows:

Candle Support Team
Candle Support Center, *incident number*
2425 Olympic Boulevard
Santa Monica, California 90404

Documentation Set

Introduction

Candle provides a complete set of documentation for CL/SUPERSESSION and CL/GATEWAY. Each manual in this documentation set contains a specific type of information to help you use the product.

Candle welcomes your comments and suggestions for changes or additions to the documentation set. A user comment form, located at the back of each manual, provides simple instructions for communicating with Candle's Technical Documentation department.

Product documentation

The documentation listed in the following table is available for CL/SUPERSESSION and CL/GATEWAY. To order additional product manuals, contact your Candle Support Services representative.

Document Number	Document Name	Description
LS60-3779	Version 147 Release Guide	Contains new information for this release.
LS99-3783	Program Directory	Provides installation instructions and details all other installation considerations.
LS55-3785	Basic Configuration Guide	Provides basic instructions for customizing CL/SUPERSESSION and CL/GATEWAY to the specific needs of your network, system, and users.
LS51-3781	Customization Guide	Provides instructions and explanations for customizing CL/SUPERSESSION and CL/GATEWAY to the needs of your network, system, and users.
LS54-3786	User's Guide	Contains brief instructions on how to operate CL/SUPERSESSION and CL/GATEWAY.
LS99-3789	Operator's Guide	Describes the CT/Engine operator facility and commands used by CT/Engine, CL/SUPERSESSION, and CL/GATEWAY.

Table 1 (Page 2 of 2). CL/SUPERSESSSION and CL/GATEWAY Documentation		
Document Number	Document Name	Description
LS99-4225	Introduction to SSPL Dialogs	Introduces users to the Structured Session Procedure Language (SSPL); shows how to customize and use some simple dialogs written in SSPL.
LS99-3821	SSPL Programming Guide	Explains how to create your own dialogs with SSPL, using a sample application that creates and manages a table.
LS53-3787	Dialog Language Reference Manual	Contains comprehensive descriptions of all features of the SSPL dialog language.
LS57-3780	Problem Determination Guide	Contains instructions and documentation recommendations for locating and solving problems in CL products.
LS52-3788	Messages Manual	Lists and explains all CT/Engine, CL/SUPERSESSSION, and CL/GATEWAY messages and suggests appropriate user actions.
LVM99-4103	Quick Reference Card	Pocket-sized document that contains step-by-step instructions for using CL/SUPERSESSSION and CL/GATEWAY.
LS59-3801	Master Index	Contains a master index for all CL/SUPERSESSSION and CL/GATEWAY manuals that contain indexes.

The primary objective of Version 147 is to enable CL/SUPERSESSION and CL/GATEWAY to share a single target zone and a single distribution zone of an SMP/E consolidated software inventory with other Candle network products.

New Features and Enhancements

The new features and enhancements that are included in Version 147 of CL/SUPERSESSION and CL/GATEWAY are described below.

Dialog Trace Facility (DTF)

This small programming enhancement is an interactive, ISPF panel-driven tool for tracing dialogs written in SSPL. With various tracing options, DTF enables you to test and debug your own customized SSPL dialogs.

Candle Installation and Configuration Assistance Tool

The Candle Installation and Configuration Assistance Tool (CICAT) is shipped with Candle products to facilitate product installation using the System Modification Program/Extended (SMP/E).

The CICAT is an ISPF menu-driven interface that guides you through SMP/E installation of CL products. It also facilitates the application of maintenance. (The batch installation method is still available as well.)

Installing into Candle CSI

You can now install CL/SUPERSESSION and other Candle products in a common set of target and distribution zones within your SMP/E consolidated software inventory (CSI). This makes it easier for you to maintain all of your Candle products in a single set of SMP/E libraries.

To conform to the Candle shared-CSI standard, CL/SUPERSESSION's dataset names and member names have been changed. The product includes a rename utility that facilitates conversion of your existing customized dialogs to Version 147 dialogs.

For your convenience, Candle has provided an online cross-reference list of the old and new names of all data elements that have changed. You will find information about accessing this list in the *Program Directory*, which also contains instructions for installing CL/SUPERSESSION.

Tables Unload/Load Facility

This facility allows you to unload a table to a PDS member and load data from a PDS member to a table.

Version 147 CL/ENGINE

CL/SUPERSESSION Version 147 incorporates the latest version of CL/ENGINE™, which includes improvements in performance, reliability, accessibility, and serviceability.

Support for Recent IBM Software Releases

CL/SUPERSESSION now supports IMS Version 4.1 and VTAM® Version 4.1. Refer to the *Program Directory* for considerations and more information.

Documentation

The documentation set has been revised to include new dataset and member names. The following sections describe new documents and other significant documentation changes.

Introduction to SSPL Dialogs

This new document introduces you to the Structured Session Procedure Language (SSPL), the language in which much of CL/SUPERSESSION is written. It presents six sample dialogs that illustrate SSPL programming concepts and techniques. These dialogs enable you to

- automate the logon to a CICS® application
- clean up a disorderly termination
- automate the assignment of a user to a group profile
- encrypt a password
- design pop-up help windows formatted according to SAA™/CUA™ standards

- blend data from various applications

The *Introduction to SSPL Dialogs* also contains instructions for customizing and testing the sample dialogs. Little or no programming experience is required to use this document.

SSPL Programming Guide

This new document shows you how to use SSPL to create your own interactive dialogs between VTAM applications and a terminal user. It also describes customization of the dialogs provided with CL/SUPERSESSION.

Some basic programming experience is required for optimal use of this document. It is recommended that new users read the *Introduction to SSPL Dialogs* before the *SSPL Programming Guide*.

Installation Guide/Program Directory/Maintenance Directory

The information that was previously in the *Installation Guide* has been incorporated into a new document called the *Program Directory*. The *Installation Guide* has been discontinued.

A new document called the *Maintenance Directory* describes considerations and procedures for installing product maintenance.

Customization Guide

The *Customization Guide* contains a new chapter that describes storage considerations in detail. This document also contains a new chapter explaining the new tables unload/load facility.

An updated version of the USERMOD/custom-fix cross-reference table, which was previously in the *Version 146 Release Guide*, is now in Appendix C of the *Customization Guide*. In addition, much of this guide has been rewritten in response to users' feedback.

Operator's Guide

The *Operator's Guide* Tables Manager chapter describes the new Utility pull-down menu for the tables unload/load facility.

The objective of Version 146 is to continue the improvement of CL/SUPERSESSION in RAS, performance, functionality, and usability. This section describes the new features and enhancements in Version 146.

Highlights

- Profile administration and selection have been enhanced to reduce virtual and real storage, and to improve usability.
- The Presentation Space Manager (PSM) and Table Services also have been enhanced to reduce virtual and real storage, and to improve usability.
- Short-on-Storage Protection detects and averts storage shortage and storage exhaustion problems.
- CL/ENGINE now includes an operator interface that complies with IBM's SAA/CUA (Systems Application Architecture®/Common User Access™). This interface provides easy access to CL/ENGINE operator functions and commands through pull-down menus and pop-up windows.
- Passwords are now encrypted to enhance security in CL products.
- The CL SAMPLE library contains CL applications and application fragments supplied by Candle Corporation and Candle customers. These samples can be used as application building blocks and/or to demonstrate capabilities and features of CL products.

New Features and Enhancements

The new features and enhancements that have been included in Version 146 of CL/SUPERSESSION and CL/GATEWAY are described below.

Profile Administration

Profile administration for CL/SUPERSESSION Version 146 contains the following enhancements:

- Improved profile table management reduces virtual storage requirements.
- Changes to group and global profiles and to APPLIST are now transmitted to the user profile level.
- If an administrator updates a user profile, that profile is saved, even if Customized menu = N (NO).
- Users who have customized menu authority may change the order in which their sessions are displayed on the menu.
- Users who do not have customized menu authority but do have add authority may add sessions and triggers. These sessions and triggers are temporary, however; they remain in effect until the user logs off of CL/SUPERSESSION with no active sessions (when Preserve sessions upon exit is set to Y) or a user transports a CL/SUPERSESSION session, with no active sessions, from one terminal to another (via session portability).
- If a user disconnects from the physical terminal, active sessions remain on the menu even if they have been deleted from the user profile.
- Only unique session IDs are allowed on an active menu.
- Add and modify trigger authority flags have been added to prevent users from accessing dialogs for which they do not have authorization.
- Resource validation by session ID and/or APPLID can be specified using a global profile setting.
- A streamlined initialization process now executes more quickly.
- From the Profile Selection menu, the administrator may select any or all combinations of profile types to display in list form or to perform an action on a specific user, group, or global profile.

Presentation Space Manager Enhancements

The Presentation Space Manager (PSM) contains the following enhancements for Version 146:

- The redesign of the PSM has reduced the requirements of virtual and real storage by:
 - Introducing a new buffer storage management algorithm.
 - Enhancing image-based compression.
 - Providing selectable options to control the use of the extended attribute buffer.

- A redesigned gateway passthru for SINGLE type sessions.
- The default screen size support allows end-user terminals to reflect expected character size and font.
- Improved RAS capability.

Enhanced Table Services

Version 146 contains enhancements to table services for CL/SUPERSESSION and CL/GATEWAY. Table services include handle-based access and multiwrite capability to tables. Tables can be globally shared and accessed. Table services also eliminates the size limitation of 32K for individual tables.

In Version 146, an enhanced tables database allows larger tables and reduces resource contention. This requires a different VSAM key structure, record structure, and other modifications in the table database. If you have an existing Version 145 installation, you must convert the Version 145 table database for use in the Version 146 system.

Short-on-Storage Protection

Short-on-storage protection detects and averts storage shortage and storage exhaustion problems. New options are provided to manage the monitoring and thresholds of product storage.

CL/ENGINE CUA Operator Interface

The CL/ENGINE CUA operator interface complies with SAA/CUA guidelines described in the IBM® publication *Systems Application Architecture: Common User Access Panel Design and User Interaction*. It provides easy access to CL/ENGINE operator functions and commands through pull-down menus and pop-up windows.

A help facility is also provided for each menu and for each panel input field. This new CT/Engine operator interface is accessed by logging onto a new ACB that is defined to CT/Engine with the DIALOG command. The traditional CT/Engine operator interface continues to be available as a separate ACB application, as in previous releases.

Password Encryption

The contents of the password variables are now encrypted within the product. Any dialogs you have created that reference VSSPSWD, VSSNPSWD, VIGPSWD, or VIGNPSWD must be changed to include the ENCDEC dialog function. Refer to the *Dialog Language Reference Manual* for more information on ENCDEC.

CL SAMPLE Library

The new LSAMPLE library contains CL applications and application fragments supplied by Candle Corporation and Candle customers. The samples can be used as application building blocks, and/or to demonstrate capabilities and features of the CL product line.

Member \$\$\$INDEX contains a list of the members and their functions.

File Transfer Feature

The file transfer feature allows you to set and reset the appropriate CL/SUPERSESSION options to facilitate file transfer. This feature can be implemented with a trigger.

Termination Dialog Feature

The Termination Dialog (TERMDLG) feature allows you to receive control of a dialog at session termination. This dialog can be used to provide any unique processing required by a particular application at session end.

REORDER Command

The new REORDER command allows you to easily modify the order in which menu selections are displayed on the CL/SUPERSESSION Main Menu.

Dependencies on NAM Data from Version 115

Dialogs that depend on NAM variables as defined and used by the Version 115 user interface dialogs are unlikely to function correctly in a standard Version 146 system. These dialogs may

- have to be modified to use table services, or be redesigned altogether
- be replaced altogether by new functions, such as the menu-driven administrator functions

Set Variable VSPLANG

If you are writing custom dialogs, ensure that variable VSPLANG has been set to a valid National Language code before SSINIT&vsplang is executed. SSINIT&vsplang initializes various CL/SUPERSESSION and CL/GATEWAY control variables.

New and Enhanced Dialog Language Components

The following list contains new and enhanced SSPL Dialog Language functions. The *Dialog Language Reference Manual* contains descriptions for each of these functions.

ATTACH	LJUST	REPEAT	VERIFY
CENTER	PACK	RJUST	VIGAPPL
CSTACK	PDS DELETE	SAM CLOSE	VIGGAP
DATEFMT	PDS DIRECTORY	SAM OPENOUT	VIGUSRST
DETACH	PDS 'END'	SAM PUT	VIGUSYNC
D2X	PDS FIND	TBDELX	VSAM CLOSE
ENCDEC	PDS GET	TBGETX	VSAM FIND
INDEX	PDS RENAME	TBLIST	VSAM GET
IPC ACCESS	PDS SETWRT	TBNAME	VSAM OPEN
IPC ALARM	PDS WRITE	TBOLIST	VSSALLOC
IPC CREATE	PSMDRAW	TBPUTX	VSSFOREG
IPC DEQUEUE	PSMEXP	TBSTATS	VSSLOGON
IPC DESTROY	PSMIMP	TOKENIZE	VSSTERM
IPC PUSH	PSMOPT	TRANS	VSSVINFO
IPC QUEUE	PSMSIZE	TRIM	VSSWAIT
IPC QUERY	PSMTOT	UNALLOC	VTPALLOC
ISDIALOG	REFRESH	UNPACK	X2D

Changes

Version 146 contains the following changes.

VTPSLIB

The VTPSLIB library is the new repository for the supported user exits and sample JCL procedures that were distributed in the previous release as members of the SAMPLES library.

Macro Library

The GMACLIB library replaces the VTPMAC library of the previous releases as the repository of macros used in assemblies of user exits, format appendages, and utility programs. Sample JCL procedures in the supplementary library are updated to use the GMACLIB library.

Load Library

The LOADLIB library replaces the VTPLOAD library of previous releases as the repository of executable modules for the CL product. Sample JCL procedures in the supplementary library are updated to use the LOADLIB library.

Problem Documentation JCL Procedures

The set of sample JCL procedures used to package machine-readable problem documentation for shipment to Candle support centers is redesigned for Version 146. The new procedures in the Version 146 supplementary library (VTPSLIB) should be used when packaging Version 146 problem documentation. The *Problem Determination Guide* describes these sample JCL procedures.

National Language Considerations

National Language considerations for Version 146 follow:

Enhanced support You can now

- install each language independently using separate FMIDs
- install and maintain only those languages needed, thus requiring less DASD space

Character support The French translation for CL/SUPERSESSION and CL/GATEWAY Version 146 was performed on a French keyboard using code page 297 of IBM's *3174 Character Set Reference*. The French-Canadian translation was based on code page 37 (CECP).

If you try to display text designed using one code page on a device that does not support that code page, incorrect characters will appear.

See the *Customization Guide* for more information on National Language considerations.

Window Control

Beginning with Version 146, *workstation control* is referred to as *window control* in all documentation.

Main Menu Action Bar Revision

The Main Menu action bar has been revised as follows:

- Features is now available as a pull-down option from the Main Menu action bar. The Features menu can contain the following options:

Cut and Paste Moved from the Options action bar menu.

Send Message Moved from the Options action bar menu.

View Session Moved from the Admin action bar menu.

- Preferences on the Options pull-down menu, previously known as personal options, contains the following new panel display options for Version 146:

Cursor selection Lets you select a menu option by placing the cursor in that option's input field and pressing Enter. This is added to provide user control.

Confirm delete Lets you choose whether or not to display a confirmation panel when a deletion is performed. This is added to provide user control.

- There is no longer an Exit action bar choice.

Renamed Version 145 Dialogs and Message Tokens

The following lists contain obsolete Version 145 dialogs and their corresponding new names in Version 146. All user-written dialogs that reference product messages must be changed from \$MSGccc to SMSGccc.

V145 Dialog	V146 Dialog	V145 Dialog	V146 Dialog
\$CMD	SCMD	VATTR	SATTR
\$FKEYS2	SFKEYS2	VBOTM/EN/FR/GR	SBOTM/EN/FR/GR
\$FKEYS	SFKEYS	VBOTM	SBOTM
\$HELP	SHELP	VBULL/EN/FR/GR	SBULL/EN/FR/GR
\$MSGSET	SMSGSET	VBULLE	SBULLE
\$MSG	SMSG	VBULLP	SBULLP
\$MSGAREA	SMSGAREA	VDATM/EN/FR/GR	SDATM/EN/FR/GR
\$MSGBLD	SMSGBLD	VDATME	SDATME
\$MSGC/EN/FR/GR	SMSGC/EN/FR/GR	VDATMP	SDATMP
\$MSGCOLR	SMSGCOLR	VLG01	SLG01
\$MSGD/EN/FR/GR	SMSGD/EN/FR/GR	VLPRF	SLPRF
\$MSG/EN/FR/GR	SMSG/EN/FR/GR	VGPRF	SGPRF
\$MSGG/EN/FR/GR	SMSGG/EN/FR/GR	VNEWS/EN/FR/GR	SNEWS/EN/FR/GR
\$MSGH/EN/FR/GR	SMSGH/EN/FR/GR	VNEWSE	SNEWSE
\$MSGI/EN/FR/GR	SMSGI/EN/FR/GR	VNEWSP	SNEWSP
\$MSGJ/EN/FR/GR	SMSGJ/EN/FR/GR	VNEW1/EN/FR/GR	SNEW1/EN/FR/GR
\$MSGK/EN/FR/GR	SMSGK/EN/FR/GR	VNEW1E	SNEW1E
\$MSGL	SMSGL	VNEW1P	SNEW1P
\$MSGM	SMSGM	VNEW2/EN/FR/GR	SNEW2/EN/FR/GR
\$MSGN	SMSGN	VNEW2E	SNEW2E
\$MSGO	SMSGO	VNEW2P	SNEW2P
\$MSGP	SMSGP	VNEW3/EN/FR/GR	SNEW3/EN/FR/GR
\$MSGQ	SMSGQ	VNEW3E	SNEW3E
\$MSGR	SMSGR	VNEW3P	SNEW3P
\$MSGS	SMSGS	VNE3A/EN/FR/GR	SNE3A/EN/FR/GR
\$MSGT/EN/FR/GR	SMSGT/EN/FR/GR	VNE3AE	SNE3AE
\$SPANID	SPANID	VNE3AP	SNE3AP
\$VKEYS	SVKEYS	VNPDL	SNPDL
@MSG1R	SMSG1R	VPKYS/EN/FR/GR	SPKYS/EN/FR/GR
@MSG1W	SMSG1W	VPKY1/EN/FR/GR	SPKY1/EN/FR/GR
@MSG1Y	SMSG1Y	VPKY1E	SPKY1E
@MSG2R	SMSG2R	VPKY1P	SPKY1P
@MSG2W	SMSG2W	VPKY2/EN/FR/GR	SPKY2/EN/FR/GR
@MSG2Y	SMSG2Y	VPKY2E	SPKY2E
@MSG3R	SMSG3R	VPKY2P	SPKY2P
@MSG3W	SMSG3W	VPKY3/EN/FR/GR	SPKY3/EN/FR/GR
@MSG3Y	SMSG3Y	VPKY3E	SPKY3E
@MSG4R	SMSG4R	VPKY3P	SPKY3P
@MSG4W	SMSG4W	VSDCL	SSDCL
@MSG4Y	SMSG4Y	VUPRF	SUPRF
@MSG5R	SMSG5R	VWCTL/EN/FR/GR	SWCTL/EN/FR/GR
@MSG5W	SMSG5W	VWCTLE	SWCTLE
@MSG5Y	SMSG5Y	VWCTLP	SWCTLP
@MSG6R	SMSG6R	VWHOI/EN/FR/GR	SWHOI/EN/FR/GR
@MSG6W	SMSG6W		
@MSG6Y	SMSG6Y		
@MSG7R	SMSG7R		
@MSG7W	SMSG7W		
@MSG7Y	SMSG7Y		
@MSG8R	SMSG8R		
@MSG8W	SMSG8W		
@MSG8Y	SMSG8Y		
VATTR/EN/FR/GR	SATTR/EN/FR/GR		
VATTRS	SATTRS		

Obsolete Dialog Names

The following dialog names are now obsolete.

ERROR01	SADCLFR	SCMSEN	SLNGPEN
GOTOWIMS	SADCLGR	SCMDSFR	SLNGPFR
SADAPEN	SADCNEN	SCMDSGR	SLNGPGR
SADAPENH	SADCNFR	SCVGL	SMOD3EN
SADAPFR	SADCNGR	SCVGR	SMOD3FR
SADAPFRH	SADCPEN	SCVUS	SMOD3GR
SADAPGR	SADCPENH	SFCFRENH	SUINI
SADAPGRH	SADCPFR	SFCFRFRH	SUPGATE1
SADCAFR	SADCPFRH	SFCFRGRH	SVSELE2
SADCFR	SADCPGR	SFCTOENH	TBDELETE
SADCLA	SADCPGRH	SFCTOFRH	VGWLATTN
SADCLEN	SCMDS	SFCTOGRH	VMSG2EN

GATEWAY3 Changes

The GATEWAY3 configuration member has been changed. It now has a panel specified on destination.

GATEWAY3 can be used for MULTI sessions if you are an authorized user of CL/SUPERSESSION.

VTAMLST Changes

A new ACBNAME was added for the CT/Engine CUA operator.

Virtual Terminal Pool Definitions

The distributed virtual terminal pools have been changed. Review the VTPCLIB member (\$VSMS), the *Customization Guide*, and the *Basic Configuration Guide*.

Automatic Startup

The distributed \$STARTUP member of VTPCLIB has been changed to include an additional display storage command as well as the CT/Engine CUA operator Startup command.

Migration Considerations

The following sections describe functions necessary for conversion to the Version 146 environment.

SSPL Conversion Utility

The SSPL conversion utility (SSPLCNVT) converts user-customized dialogs to the new dialog function syntax. Simplified dialog language syntax in Version 146 eliminates confusion between dialog function and dialog variable syntax.

Although Version 146 still supports the old syntax, *Candle strongly recommends that you convert old dialogs to the new syntax.*

See the *Installation Guide* for complete instructions for running the SSPL conversion utility.

Migration Assistance Utility

The Version 146 migration assistance utility assists in migrating user-customized VTPPLIB and VTPILIB libraries.

See the *Installation Guide* for complete instructions for running the migration assistance utility.

Table Database Convert Utility

The table database convert utility converts the physical data layout on Version 145 table databases to Version 146 enhanced table services format.

Note: Table services conversion applies *only* to sites that are running Version 145 of CL/SUPERSESSION and CL/GATEWAY.

See the *Installation Guide* for complete instructions for converting the table database.

Profile Conversion Utility

Use the profile conversion process to convert Version 115 NAM or Version 145 table profiles to a format that supports Version 146 profile administration.

Note: This step is required *only* for users who are migrating from Version 115 NAM or Version 145 table profiles to Version 146.

The *Installation Guide* contains the steps involved in this process.

CT/Engine, CL/SUPERSESSION, and CL/GATEWAY Custom Maintenance

Prior to Version 146, custom maintenance was shipped as ++USERMODs. These fixes were commonly known as USERMODs. In Version 146 and beyond, custom maintenance will be shipped as ++APARs or ++PTFs, and will be known as custom fixes.

The following table lists all CT/Engine, CL/SUPERSESSION, and CL/GATEWAY custom maintenance for Version 115, Version 145, and Version 146. If you are migrating from a version prior to Version 146, you can request any applicable custom fixes.

To identify the fixes you need for this release, find each fix or USERMOD that you received in a previous version, then look across the row to find the corresponding custom fix in the current version of the product. For example, if you are upgrading from Version 115 and have TA11008, you must request TLV0005 for Version 146.

When using this table, please consider the following.

- **N/A** means that this USERMOD is no longer applicable for this release level.
- **Base Product** means that the fix has been incorporated into that release of the product.
- When two or more USERMODs appear in one cell, the last USERMOD listed supersedes the previous USERMOD(s) for the same release level.

Table 2 (Page 1 of 4). Available USERMODs and Custom Fixes		
Version 115	Version 145	Version 146
TA11001	Base Product	Base Product
TA11002, TA11020, TA11026, TA11043	TA14506, TA14535	QLV0143
TA11003, TA11036	TA14502	Base Product
TA11004, TA11066	N/A	Base Product
TA11005	Base Product	Base Product
TA11006, TA11050	Base Product	Base Product
TA11007	N/A	N/A
TA11008	N/A	TLV0005
TA11009	TA14500, TA14537, TA14543	QLV0195
TA11010, TA11051	Base Product	Base Product
TA11011	Base Product	Base Product
TA11012, TA11045, TA11064, TA11070	Base Product	Base Product
TA11013	Base Product	Base Product
TA11014, TA11023	Base Product	Base Product

Table 2 (Page 2 of 4). Available USERMODs and Custom Fixes

Version 115	Version 145	Version 146
TA11015	Base Product	Base Product
TA11016	TA14501, TA14526	Base Product
TA11017	Base Product	Base Product
TA11019, TA11034, TA11060, TA11065	N/A	QLV0222
TA11021	TA14503, TA14531, TA14546	Base Product
TA11022, TA11061	Base Product	Base Product
TA11024	N/A	N/A
TA11025, TA11028, TA11029	Base Product	Base Product
TA11027	N/A	TLV0021
TA11030	Base Product	Base Product
TA11031, TA11042, TA11054	N/A	TLV0059
TA11032, TA11052	Base Product	Base Product
TA11033	TA14519	Base Product
TA11035	Base Product	Base Product
TA11037, TA11038, TA11044, TA11048, TA11076	TA14512	Base Product
TA11039	Base Product	Base Product
TA11040	Base Product	Base Product
TA11041	Base Product	Base Product
TA11046	Base Product	Base Product
TA11049	Base Product	Base Product
TA11053	N/A	N/A
TA11055	N/A	N/A
TA11056, TA11058	N/A	N/A
TA11057	N/A	TLV0026
TA11063, TA11067	N/A	N/A
TA11068, TA11072	Base Product	Base Product
TA11069	N/A	N/A
TA11071	Base Product	Base Product
TA11073	N/A	N/A
TA11074	N/A	N/A
TA11075	N/A	Base Product
TA11077	N/A	Base Product
TB11001, TB11008	Base Product	Base Product
TB11002	Base Product	Base Product
TB11003	Base Product	Base Product
TB11004	N/A	N/A
TB11005	N/A	N/A
TB11006	N/A	N/A
TB11007, TB11009	N/A	N/A
TB11010	N/A	N/A
TB11011	N/A	N/A
TH11001	N/A	N/A
TH11002, TH11029, TH11047	Base Product	Base Product
TH11003	N/A	N/A
TH11004	N/A	N/A
TH11005	N/A	N/A
TH11006	N/A	N/A
TH11007, TH11042, TH11051	Base Product	Base Product

Table 2 (Page 3 of 4). Available USERMODs and Custom Fixes

Version 115	Version 145	Version 146
TH11008, TH11041	Base Product	Base Product
TH11009	TH14500	TLV0015
TH11010, TH11034	Base Product	Base Product
TH11011, TH11043, TH11058	N/A	N/A
TH11012	Base Product	Base Product
TH11013, TH11035, TH11039, TH11044, TH11061	N/A	N/A
TH11014, TH11040, TH11045, TH11059	Base Product	Base Product
TH11015	N/A	N/A
TH11016	N/A	N/A
TH11017, TH11048	N/A	N/A
TH11018	N/A	N/A
TH11019, TH11036	N/A	N/A
TH11020, TH11025	Base Product	Base Product
TH11021, TH11027	Base Product	Base Product
TH11022, TH11063	Base Product	Base Product
TH11023	N/A	N/A
TH11024	N/A	N/A
TH11026, TH11046	N/A	N/A
TH11028, TH11050, TH11056	TH14502, TH14510	TLV0017
TH11030	N/A	N/A
TH11031	N/A	N/A
TH11032	N/A	N/A
TH11033, TH11052, TH11060	N/A	N/A
TH11037	N/A	N/A
TH11038	N/A	N/A
TH11049	N/A	N/A
TH11053	N/A	N/A
TH11054	N/A	N/A
TH11055	N/A	N/A
TH11057	N/A	N/A
TH11062	N/A	N/A
TH11064	N/A	N/A
TH11065	N/A	N/A
N/A	TA14504	TLV0006
N/A	TA14505, TA14527, TA14547	TLV0001, TLV0054
N/A	TA14508	TLV0036
N/A	TA14509	TLV0037
N/A	TA14510	Base Product
N/A	TA14511, TA14544	TLV0053
N/A	TA14513	TLV0039
N/A	TA14514	Base Product
N/A	TA14515, TA14542	TLV0004, TLV0011, TLV0052
N/A	TA14516	Base Product
N/A	TA14518, TA14530, TA14534, TA14538, TA14554	TLV0003, TLV0058
N/A	TA14521	TLV0042
N/A	TA14522	TLV0043
N/A	TA14525	N/A
N/A	TA14529, TA14549, TA14552	QLV0144

Table 2 (Page 4 of 4). Available USERMODs and Custom Fixes

Version 115	Version 145	Version 146
N/A	TA14532	N/A
N/A	TA14533	N/A
N/A	TA14536	N/A
N/A	TA14540	TLV0051
N/A	TA14548	QLV0195
N/A	TA14550	N/A
N/A	TA14551, TA14553	QLV0143
N/A	TB14500, TB14501	TLG0000
N/A	TD14500, TD14501, TD14502	TLI0000
N/A	TH14501, TH14519	TLV0016
N/A	TH14503, TH14511, TH14513, TH14518	N/A
N/A	TH14504, TH14507, TH14512	Base Product
N/A	TH14505	Base Product
N/A	TH14509	N/A
N/A	TH14514	No USERMOD
N/A	TH14515	No USERMOD
N/A	TH14516	No USERMOD
N/A	TH14517	No USERMOD
N/A	TH14520	No USERMOD
N/A	N/A	TLV0010
N/A	N/A	TLV0013