

# IBM Information Management System 15.3 streamlines your journey to the cloud

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## At a glance

IBM<sup>(R)</sup> Information Management System (IMS) was built with clients' journey to the cloud in mind. Taking advantage of the latest-generation hardware and the IBM Z<sup>(R)</sup> ecosystem, IMS 15.3 introduces several new key features to help make your digital transformation journey to the cloud a seamless experience. Combined with IBM's commitment to education, you can be certain IBM is here to support you on your educational journey to increase your IMS skill set and help to ensure long-term success.

IMS 15.3 provides the following:

- Streamlined path to hybrid cloud:
  - Open access to IMS database through Java<sup>TM</sup> Database Connectivity (JDBC) and SQL enables your organization to fully use your data where it resides. From lowering development and operational costs to exploring new revenue streams, data management and optimization can be accomplished without moving your data off-platform.
  - For existing IMS assets, two-way communication with external applications enabled by IBM z/OS<sup>(R)</sup> Connect through OpenAPI-conforming RESTful APIs, providing your organization with the capability to build on and transform its existing infrastructure for new use cases while getting more value out of earlier investments.
  - For new IMS assets, expanding support for modern languages and DevOps tools empowers your developers with the speed, agility, and flexibility of the public cloud while still retaining the performance, security, and low costs of on-premises or private cloud environments.
- Integrated security:
  - Building on its pervasive encryption capabilities, IMS 15.3 takes advantage of the IBM z16<sup>TM</sup> enterprise platform to deliver the capability to manage the privacy of customer data, simplifying compliance certifications by enabling IBM z/OS data set encryption of IMS data with minimal CPU overhead and no application changes.
  - Overflow Sequential Access Method (OSAM) encryption enables a greater portion of your data to be automatically encrypted, providing security-rich access to your IMS data without additional work.
- Improved troubleshooting:
  - With Data Privacy in Diagnostics, IMS 15.3 enables you to remove private identifiable information before shipping diagnostic information to IBM.
  - With Data Definition Language (DDL) Audit Trail, IMS 15.3 provides IMS database administrators (DBAs) or IMS system programmers the ability to

collect audit information related to changes made to IMS metadata and view what resource changes were made with DDL, by whom and when, in an easily readable form.

- Increased storage:
  - Fast Path users may now increase the DEDB AREAs up to 9999, which allows clients to store up to 5x more data than before. A single DEDB can grow the database from 8.1 TB of data to 40 TB, with a single enhancement.
- Enhanced performance:
  - With recent enhancements to IMS 15.3, an IMS application developer can:
    - Configure IMS dependent regions (MPP, BMP, IFP) to support interoperability between 31-bit COBOL and 64-bit Java to expand memory and process more data without a full rewrite
    - Make Resource Access Control Facility (RACF<sup>(R)</sup>) calls at the region level for IMS transactions being sent to IBM Db2<sup>(R)</sup>
    - Submit DDL, with the IMS Native z/OS DDL Utility (zDDL) without having to implement any additional infrastructure like IMS Connect and Open Database Manager (ODBM)
    - Implement nonstructural changes to the IMS catalog without taking the catalog offline
    - Run the Catalog Purge Utility while IMS is online, so there's no sacrifice when it comes to availability
- Improved information access and content:
  - Education is continuous. That is why IBM takes a strong stand on providing you with the tools you need to leverage your IMS skill set and promote long-term success. The following are resources that will help you along this journey:
    - Build your skills: find relevant IMS training, videos, and documentation on [IMS Central](#).
    - Join the community: take part in the discussion and discover the latest updates on [IBM Community](#), which is a unique platform built by members, for members.

IBM IMS Transaction Manager Value Unit Edition (VUE) 15.3 and IBM IMS Database Value Unit Edition 15.3 are also included in this announcement. These offer the base IMS product and optional charge-based features at a one-time charge (OTC) price metric solely for eligible workloads. Eligible workloads are defined as net new applications or workloads that are deployed in qualified z Systems<sup>(R)</sup> New Application License Charge (zNALC) logical partitions (LPARs). See your IBM representative for more information and additional terms.

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## Overview

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While cloud computing continues to expand and IT infrastructure increasingly becomes synonymous with cloud infrastructure, IMS 15.3 brings further enhancements to streamline your digital transformation journey to the cloud. Using the continuous delivery model, IMS delivers both functional enhancements and product maintenance as soon as they become available, enabling you to innovate faster and remain agile.

The expansive integration capabilities of IMS, coupled with its legendary qualities of service and reputation, enable you to transform your IT infrastructure, including IMS, into your cloud infrastructure. IMS delivers the availability, scalability, and performance that are required for enterprise and integrated on-premises and hybrid cloud environments. IMS is also open and connected, enabling your organization to extend, connect, and innovate with trusted IMS applications, transactions, and data.

IMS 15.3 is offered through the continuous delivery support model that was announced in October 2017 in which both functional enhancements and product maintenance are delivered to market when ready rather than on a version schedule.

This new delivery approach makes it easier for you to stay as current as possible and adopt new function as your business needs require. Periodically, new function and maintenance PTFs are consolidated into a single package for ease of installation for clients migrating from prior versions and carry a new release number.

For more information regarding IMS 15 continuous delivery, see Software Announcement [LP17-0489](#), dated October 3, 2017.

IMS 15.3 delivers capabilities that help you:

- Transform your IT infrastructure into your cloud infrastructure
- Access and troubleshoot your data with more confidence than ever
- Plan for the unexpected

IMS 15.3 enhancements include:

- With Open Transaction Manager Access (OTMA) Enhanced Storage Management, applications with heavy OTMA transaction processing will have reduced storage requirements.
- IMS support for z/OS Workload Interaction Correlator, which helps reduce the time to identify and resolve anomalies based on unified workload insights.
- Pervasive Encryption for IMS OSAM Databases 64-bit Support that relieves 31-bit storage constraints.
- With Performance Enhancement for IMS Transaction Manager and Db2 Customers Using RACF, a system programmer can make RACF calls at a region level for IMS transactions being sent to Db2.
- Database Recovery Control facility (DBRC) Staging Directory Command Support provides the ability to verify new or changed database definitions prior to general use.
- Nonstructural IMS Catalog Changes Without an Outage provides the ability to implement nonstructural changes to the IMS catalog without an outage in an IMS-managed ACB environment.
- The Catalog Purge Utility gives you the ability to purge instances from the catalog while IMS is online.
- The "Maximum number of AREAs is increased to 9999 enhancement" that gives you the ability to manage larger workloads by creating larger Fast Path databases.
- IMS DB Fence avoids data integrity issues by stopping rogue transactions or applications from updating databases at the remote site.
- DDL Audit Trail in Readable Format gives you the ability to collect audit information related to changes made to IMS metadata using DDL in a readable form.
- The Generalized Sequential Access Method (GSAM) Library Build Utility provides the ability for IMS users of Managed ACBs to create GSAM database descriptors (DBDs) and program specification blocks (PSBs) that contain GSAM program communication blocks (PCBs) and sources of them using the IMS catalog Library Builder Utility.
- IMS Native z/OS DDL Utility (BMP Support) gives you the ability to use DDL to manage IMS resources without having to implement IMS Connect and ODBM.
- Java Database Connectivity (JDBC) Hex and Binary Literal Support provides hex and binary literal support in SQL queries running against the IMS Universal drivers.
- "Do not stop IMS Fast Path transaction and program on application abend" gives you the option with DFSNDMX0 exit to not stop an IMS transaction and program running in a message-driven IFP region after an application abend.
- 31-bit COBOL and 64-bit Java Interoperability provides the ability to configure IMS dependent regions that will support interoperability between 31-bit COBOL and 64-bit Java.
- Using the IBM Z Security and Compliance Center, IMS clients can more easily collect evidence of information security controls and demonstrate compliance to auditors.

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## Key requirements

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IMS 15.3 interoperates with:

- IBM z/OS
- IBM Z processors
- Java
- Internal Resource Lock Manager (IRLM)
- IBM Db2 for z/OS
- IBM CICS<sup>(R)</sup>
- IBM MQ
- IBM WebSphere<sup>(R)</sup> Application Server
- COBOL

See the [Technical information](#) section for details.

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## Planned availability date

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June 24, 2022

Availability within a country is subject to local legal requirements.

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## Description

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### **OTMA Enhanced Storage Management**

The OTMA lightweight transaction pipe (TPIPE) function is included in IMS 15.3 to reduce the amount of storage that is needed for each TPIPE by dynamically allocating the associated ITASKs only when needed. Additionally, the dynamic storage for OTMA input processor is not allocated when the input ITASK does not exist. By reducing the storage requirement, the back-end IMS in a shared-queues environment can support more TPIPEs and avoid reaching the TPIPE flood limit quickly. It also benefits IMS in a non-shared-queues environment by only allocating TPIPE-related storage that is needed.

The OTMA lightweight TPIPE function can be enabled by specifying the LITETP=YES parameter in the DFSOTMA descriptor in the DFSYDTx PROCLIB member.

LITETP = NO | YES specifies whether the OTMA lightweight TPIPE function is enabled. NO specifies that OTMA lightweight TPIPE is disabled. This is the default for IMS cold start. YES specifies that OTMA lightweight TPIPE is enabled. When enabled, TPIPEs created in a shared-queues back-end IMS to process front-end input transactions use less storage, thereby allowing that IMS to support more TPIPEs. A DFS7411I message is issued on IMS start to indicate this function is enabled.

### **IMS support for z/OS Workload Interaction Correlator**

z/OS Workload Interaction Correlator is delivered through z/OS APAR OA57165. z/OS Workload Interaction Correlator gathers statistics from participating applications and generates System Management Facilities (SMF) type 98 records. With APAR PH15062, IMS becomes a participating application and registers with z/OS Workload Interaction Correlator during initialization.

If registration succeeds, IMS delivers statistics to z/OS Workload Interaction Correlator through an SMF exit, BPEMTX00.

- Message processing program (MPP) regions and Java Message Processing (JMP) regions record elapsed time and CPU time, both standard and IBM System Z zIIP, for each normally completed transaction.
- SMF then logs type 98 records with subtype 1025 to record these statistics.
- New macro DFSSR98A maps the type 98 subtype 1025 record content. DFSSR98A is also used by the IBM z/OS Workload Interaction Navigator (zWIC) in the generation of graphical reports.

If registration fails, message DFS7431I is issued.

### **Pervasive Encryption for IMS OSAM Databases 64-bit Support**

Pervasive Encryption for IMS OSAM Databases 64-bit Support modifies the OSAM Media Manager requests so that Media Manager supports 64-bit addresses. Parameters were added to the Media Manager requests to tell Media Manager to allocate its internal Media Manager Interface Blocks (MMIBs) and Extent Description Blocks (EDBs) in 64-bit storage. The address of the MMIB is returned to IMS on the Media Manager CONNECT request and must be passed as input on subsequent Media Manager calls. All modules that reference the MMIB were changed to support a 64-bit address and to switch to AMODE 64 when referencing and updating the MMIB. This APAR enhances the OSAM linear data set (LDS) data set formatting logic to format one cylinder at a time, as needed, in the IMS online environment.

### **Performance Enhancement for IMS Transaction Manager and Db2 Customers Using RACF**

Most Open Transaction Manager Access (OTMA) or Advanced Program-to-Program Communications (APPC) clients use the CHECK security option to gain performance benefits. This security option does perform point-of-entry validation using the cached accessor environment element (ACEE) but does not create an ACEE once per message in the dependent region that processes the message. When the dependent region connects to Db2, there is no ACEE passed to Db2 for the External Subsystem Attach Facility (ESAF) calls. This complicates the security administration to clients when there is no ACEE passing to Db2 for the ESAF calls. The same issue occurs for non-OTMA and non-APPC messages because most users do not code a DFSBSEX0 user exit to request ACEE create for the ESAF calls.

The dependent region address space level ACEE is always present, and IMS does not need to manage, create, or delete it. IMS could, optionally, pass the dependent region address space level ACEE to Db2 at ESS Signon, if no ESAF\_SIGNON\_ACEE is present and no thread level ACEE is present in TCBSENV. Db2 supports this in the Signon Exit parameter list. This eliminates the overhead of creating and deleting an ACEE once per transaction.

A new optional keyword Region Level ACEE (RLA=) has been added to the SSM= proclib member for the Db2 subsystem. The accepted parameter is Y or N. When RLA=Y is specified for a Db2 entry in SSM= proclib member, the region level ACEE is passed to Db2 at ESS Signon if there is no ESAF\_SIGNON\_ACEE present and no ask Control Block (TCB) level ACEE present. This function is disabled by default. RLA= is a keyword-only parameter. It cannot be specified as a positional parameter.

### **DBRC Staging Directory Command support**

This capability provides the ability to register a new database with DBRC and verify changes before importing changes to the active directory.

The following DBRC commands have been changed to support the staging catalog directory. New mutually exclusive keywords ACTIVE and STAGING are added. This capability adds new keywords STAGING|ACTIVE to the following DBRC RECON commands so that Managed ACB users can use either the staging directory or the active directory for the databases specified by them:

- INIT.DBDS
- CHANGE.DBDS
- NOTIFY.REORG

- INIT.DB
- INIT.PART
- CHANGE.PART

Mutually exclusive, optional keywords specify whether the active or staging catalog directory is to be used. These keywords cannot be explicitly specified if DBDLIB is to be used. If the directory is being used, the active directory is read by default. ACTIVE specifies that the command uses the specified active IMS catalog directory. STAGING specifies that the command uses the specified staging IMS catalog directory.

### **Nonstructural Catalog Changes Without an Outage**

Prior to this enhancement, IMS could not deliver a nonstructural change to the IMS catalog database (DFSCD000) without taking the catalog offline. This enhancement allows IMS to deliver nonstructural changes to the IMS catalog database for clients that use IMS Managed ACBs. Clients implement the change using the IMPORT DEFN SOURCE(CATALOG) command without requiring a database recovery facility (DBR) outage of the IMS catalog database.

### **Catalog Record Purge Utility**

The Catalog Record Purge Utility (DFS3PU10) is enhanced to allow the purging of nonactive and nonpending instances from the catalog while IMS is online. Active and pending instances can only be deleted when IMS is offline. If the Catalog Record Purge Utility attempts to purge an active or pending instance, it will be rejected with message DFS4550W.

### **IMS Catalog API Enhancement**

The IMS catalog interface API (DFS3CATQ) is enhanced to allow access to more than one IMS directory at a time. The catalog interface API is enhanced to support up to 36 concurrent FUNCTION=OPEN requests.

- The FUNCTION=OPEN request changes the fourth character of the DD name prefix to locate a DD that is not in use. If DD name is not in use, it will be used by that request until the corresponding FUNCTION=CLOSE is issued.
- Thirty-six attempts using a character from ranges A-Z and 0-9 will be attempted. If allocation is unsuccessful, the FUNCTION=OPEN requests will end with return code x'00000024' and reason code x'0000002C'.

### **Maximum number of AREAs is increased to 9999**

This enhancement enables IMS Fast Path users to define up to 9999 AREAs under a data entry database (DEDB), which used to be limited to 2048 AREAs. With this enhancement, clients can grow a single DEDB database to roughly 40 TB of data rather than the previous limit of roughly 8.1 TB of data.

### **IMS DB Fence**

In a replication environment, it is possible that an unintentional update can happen at a standby site, making the data inconsistent with the active site. The IMS DB Fence enhancement provides a way to authorize selective users to make updates at the standby site. A new keyword Read-or-Replication only (RREPL) is added to determine the result of an update being made to a database.

### **Data Definition Language (DDL) Audit Trail in Readable Format**

With this enhancement, an IMS professional, such as a DBA, IMS system programmer, or a security auditor, can view what resource changes were made with DDL, by whom and when, in an easily readable format.

### **GSAM Library Builder Utility**

The IMS catalog Library Builder Utility (DFS3LU00) is enhanced to create GSAM database descriptors (DBD) and program specification blocks that contain GSAM PCBs and sources of them.

### **IMS Native z/OS DDL Utility (BMP support)**

This enhancement uses the IMS Data Definition utility (DFS3ID00) to submit DDL SQL statements natively without the need of IMS Connect and ODBM address spaces. The IMS Data Definition utility runs as a BMP region. To run the IMS Data Definition utility, the following prerequisites must be met: IMS 15.3 or later; IMS management of ACBs is enabled; and 64-bit virtual storage is available.

### **JDBC Hex and Binary Literal Support**

This enhancement provides hex and binary literal support in SQL queries running against IMS Universal drivers. It uses hex and binary literals in INSERT, UPDATE, SELECT, and DELETE statements to directly use bytes as parameter values.

- Examples of supported literal formats:
  - Binary: 0b00000100, b'00000100', B'00000100'
  - Hex: 0xF1F1F1, x'F1F1F1', X'F1F1F1'
- Example queries:
  - SELECT \* FROM TABLE WHERE HEX\_VALUE = 0xF1F2 and HEX\_VALUE3 = x'F1F1' and HEX\_VALUE4 = X'F2F1'
  - SELECT \* FROM TABLE WHERE BIN\_VALUE = 0b00000100 and BIN\_VALUE3 = b'00000100' and BIN\_VALUE4 = B'00000100'

### **Do not stop IMS Fast Path transaction and program on application abend**

Prior to IMS 15.3, the Non-Discardable Messages exit routine (DFSNDMX0) exit does not support the IMS Fast Path Program (IFP) region to control the transaction and program status on the occurrence of abends.

DFSNDMX0 has been enhanced to support the message-driven IFP regions operation. Due to the Fast Path architecture and way of operation, all return codes of the DFSNDMX0 exit are not supported for IFP regions operation. Return codes 0 and 4 will be supported while return codes 8, 12, and 16 will not be supported. Return codes other than 0 and 4 will be treated as 0.

NDMTRNST is the transaction status flag. The allowed values that can be specified for NDMTRNST for IFP regions can number 1 through 7. However, if NDMTRNST=4 (PSTOP) is specified and transaction is defined as Fast Path exclusive, it will be ignored and the transaction status will be set to STOP. This behavior is consistent with the way IMS handles a PSTOP command issued against a Fast Path exclusive transaction. The recommended value for NDMTRNST is 1, which enables the Do not stop Transaction and Program. For both return codes 0 and 4, the transaction and program will not be stopped.

To enable calling the NDMX exit for IFP regions, code the new optional parameter and keyword NDMX\_CALLED\_FOR=(IFP(Y)) on the USER\_EXITS section of the DFSDFxxx member.

New optional keywords Message processing region (MPR), Java message processing (JMP), BMP, and IFP are available to choose if the exits of type NDMX are called when an application ABENDs occur in one of these specific dependent regions.

### **31-bit COBOL 64-bit Java Interoperability**

A new option, JVM=3164, is added to support language environment (LE) 31-bit and 64-bit interoperability. When this option is specified, a 64-bit Java Virtual Machine (JVM) is loaded so that 31-bit COBOL code can interoperate with 64-bit Java code. This contrasts with the existing JVM=31, for a purely 31-bit LE environment

that supports 31-bit COBOL, and 31-bit Java and JVM=64, for a purely 64-bit LE environment that supports 64-bit Java.

## IMS support for IBM Z Security and Compliance Center

Security and compliance are top priorities for IBM and its clients. But the process to collect evidence of information security controls and demonstrate compliance to auditors is manual and time-consuming.

The IBM Z Security and Compliance Center (zSCC) helps centralize monitoring of compliance-related tasks and provides an interactive view of these tasks and potential severity of control deviations. zSCC is designed to help you streamline tracking and reporting of your internal compliance process as follows:

- Automate collection and validation of relevant facts from key areas of IBM z/OS and Linux<sup>(R)</sup> platforms, tracked over time with a browser-based dashboard.
- Predefined profiles will identify potential deviations through built-in goal validation that help demonstrate to auditors the details around the severity of controls deviations from Payment Card Industry Data Security Standard (PCI-DSS) and National Institute of Standards and Technology (NIST) SP800-53.

In IMS 15 with APAR PH42600, Operations Manager (OM) and IMS Connect address spaces, which have configuration parameter settings that are compliance audit related, copy and consolidate internal compliance audit settings into new source-shipped control blocks. These address spaces provide the address of their compliance data blocks using a z/OS name/token with a specific, documented name of "BPECOMPLIANCEDAT". Macros mapping these blocks are included in the IMS SDFSMAC data set. Any product that performs security audit compliance checks may use these new compliance data blocks to obtain the previously inaccessible compliance audit data from OM and IMS Connect.

One such product, IBM Security<sup>(R)</sup> zSecure Suite 2.5.0 with APAR OA63173 (PTF UJ08291), will capture the compliance data in the OM and IMS Connect blocks and make it available for compliance tests and display under ISPF or in batch reports. zSCC externalizes this data to SMF 1154 subtype 85, 86, and 87 records and uses the SMF 1154 records to evaluate the compliance state, which can be displayed on the Security zSecure Suite dashboard.

IMS is committed to a continuous delivery roadmap that delivers regular capability updates. The following table lists the enhancements included in the current IMS 15.3 release that were shipped through continuous delivery:

Capability	Availability method
OTMA Enhanced Storage Management	APAR PH17832
IMS Support for z/OS Workload Interaction Correlator	APAR PH15062
Pervasive Encryption for IMS OSAM Databases-64-bit Support	APAR PH21283
Performance Enhancement for IMS Transaction Manager and Db2 Customers Using RACF	APAR PH33024
DBRC Staging Directory Command Support	APAR PH17441
Nonstructural Catalog Changes Without an Outage	APAR PH14668
Catalog Record Purge Utility	APAR PI84828
IMS Catalog API Enhancement	APAR PH25400
Maximum number of AREAs is increased to 9999	APAR PH12671
IMS DB Fence	APAR PH26604
DDL Audit Trail in Readable Format	APAR PH40474 and PH43149
GSAM Library Build Utility	APAR PH30248
IMS Native z/OS DDL Utility (BMP Support)	APAR PH43314



Capability	Availability method
JDBC Hex and Binary Literal Support	APAR PH25586
Do not stop IMS Fast Path transaction and program on application abend	APAR PH31457 and PH44699
31-bit COBOL 64-bit Java Interoperability	APAR PH37140
IMS Support for IBM Z Security and Compliance Center	APAR PH42600

For new IMS 15.3 clients, see the [Ordering information](#) section.

For existing IMS 15 clients to move to IMS 15.3, obtain the IMS 15.3 Release Marker PTF (APAR PH44771) and apply the PTF as you would any other PTF to move to IMS 15.3. Applying the Release Marker PTF facilitates the enabling of IMS Native z/OS DDL Utility (BMP Support).

For any existing IMS V15 clients wanting to remain on IMS 15.2, do not apply the IMS 15.3 Release Marker PTF. Clients remaining on IMS 15.2 will not be able to exploit specific IMS 15.3 capabilities until the IMS 15.3 Release Marker PTF is applied.

Capability
The IMS Native z/OS DDL Utility is an IMS 15.3 capability that is enabled by the IMS 15.3 Release Marker PTF.

All other capabilities in this announcement are enabled for IMS 15.

## IBM IMS Tools

IMS Tools provide on-demand, application-specific solutions for database management, transaction management, and performance management. Designed to optimize data across your enterprise, IMS Tools deliver the reliability and affordability you need to help increase the value of your IMS environment.

IBM IMS Administration Tool for z/OS helps you easily identify obsolete instances of DBDs and PSBs within the IMS catalog. With the IMS enhancements to the Catalog Record Purge Utility (DFSPU10), IMS Administration Tool for z/OS has been enhanced to support purging these obsolete instances while IMS is online. This enhancement is provided in the fix for APAR PH40909.

In parallel with IMS, IBM IMS Fast Path Solution Pack for z/OS has been updated to support up to 9999 AREAs under a DEDB.

Three IBM IMS Tools have been updated to exploit the new STAGING option for DBRC commands, enhancing their ability to support environments with IMS Managed ACBs:

- IMS Database Reorganization Expert for z/OS (see APARs PH30139 and PH35323)
- IMS HALDB Toolkit for z/OS (see APAR PH22310)
- IMS High Performance Load for z/OS (see APAR PH35322)

All currently supported IBM IMS Tools will support IMS 15.3. Currency support is delivered through PTFs. For more information, see the [IBM IMS Tools and IMS Version 15 Compatibility](#) website.

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## Product positioning

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An investment in IMS is not only an investment in your database or transaction manager but also a critical step forward in your digital transformation journey. IMS 15, especially, was built with clients' journey to the cloud in mind, serving as a key enabler for hybrid cloud. For over half a century, enterprises have trusted the IMS portfolio of products, including IMS Transaction Manager and IMS Database, to provide the highest levels of availability, scalability, and performance that is required to promote innovation and drive growth in a radically changing market. IMS offers

an open and connected platform that can be integrated both on-premises and in cloud environments, which allows clients to experience all the benefits and security of the mainframe, with the innovation of the cloud.

IMS 15 complements IBM CICS, IBM Db2 for z/OS, and IBM WebSphere servers for enterprise database and transaction management. Expansive integration capabilities help position IMS at the center of a multitier enterprise architecture. IMS operational data can be accessed by business intelligence (BI) and analytics tools. IMS data can be accessed directly or propagated and replicated with relational data in support of BI. IBM offerings include standard application interfaces and drivers to access IMS and other data. Both relational data and hierarchical IMS data can be efficiently accessed, together or independently, by using the IMS Transaction Manager, CICS, and WebSphere servers. IMS Transaction Manager offers application management, data storage, and data access, and applies strict rules for this access.

IBM and IMS continue to support new levels of tooling and integration. Enterprise clients can use IBM z/OS Connect, IBM Developer for z/OS, IBM Application Discovery and Delivery Intelligence, and other offerings to maintain and enhance trusted IMS applications and develop web applications. Using the IMS Universal Database drivers, WebSphere applications can access IMS database data directly by using industry-standard, Java database connectivity (JDBC) and SQL.

This announcement confirms that IMS remains committed to your success; its DNA is built on time-tested hallmarks of performance, scalability, security, availability, and resiliency. When it comes to running core applications that are at the heart of business processing, enterprises worldwide continue to depend on IMS.

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## Support lifecycle policy updates

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All IMS Version 15 offerings adopt the continuous delivery (CD) support model. The CD support model allows IBM to make new function available to IMS clients more frequently. The new support model is implemented for IMS as follows:

- Both new function and product maintenance will be made available through PTFs, in keeping with IBM delivery mechanisms for IBM Z software offerings. Clients should stay up to date with the installation of available PTFs to obtain the latest updates.
- Periodically, both new function and maintenance PTFs will be consolidated into a single package for ease of installation for clients migrating from prior versions. Each of these packages will carry a new release number (that is, each of these packages will have a new "V.R.M," where "V" is the version and "R" is the incremental release number for each update). An additional modification level qualifier ("M") will be used if necessary.
- Both new function and maintenance PTFs will be released in between availability of the consolidated packages mentioned above. Clients already on the current version will not need to reinstall the offering; instead, these clients can move up to the current level by applying a PTF that effects a change in the V.R.M number for tracking and reporting purposes.
- Each new consolidated package, that is, each new V.R. or, if used, V.R.M, within the version offers a minimum of two years of support, plus an additional minimum of one year of support extensions.
- Some IBM products on the CD support model offer a Long Term Support Release (LTSR), a defining feature of which is that no new function is delivered on the LTSR. No LTSR is available for IMS at this time; both new function and fixes will be continuously delivered on the version. However, the minimum timeframe for support offered for past versions through the enhanced lifecycle policy still applies to the version as a whole, with a minimum of five years of support for the version, plus a minimum of three years of support extensions.
- When end of service is approaching, IBM will publish an announcement about the end of service date. The effective date for end of service will be a minimum of 12 months from the date of that announcement. Support extensions are available after the effective end of service date according to the timeframes referenced above.

For terms and conditions of the IBM CD support model, see Software Announcement [LP16-0344](#), dated May 24, 2016.

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## Reference information

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For more information about IMS 15 and the continuous delivery support model, see:

- Software Announcement [LP20-0020](#), dated February 24, 2020
- Software Announcement [LP17-0489](#), dated October 3, 2017

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## Program number

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Program number	VRM	Program name
5635-A06	15.3.0	IBM Information Management System
5655-DS5	15.3.0	IBM Information Management System Database Value Unit Edition
5655-DSR	1.1.0	IBM Information Management System Database Value Unit Edition S&S
5655-TM4	15.3.0	IBM Information Management System Transaction Manager Value Unit Edition
5655-TMS	1.1.0	IBM Information Management System Transaction Manager Value Unit Edition S&S

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## Services

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### IBM Systems Lab Services

Systems Lab Services offers infrastructure services to help build hybrid cloud and enterprise IT solutions. From servers to storage systems and software, Systems Lab Services can help deploy the building blocks of a next-generation IT infrastructure to empower a client's business. Systems Lab Services consultants can perform infrastructure services for clients online or onsite, offering deep technical expertise, valuable tools, and successful methodologies. Systems Lab Services is designed to help clients solve business challenges, gain new skills, and apply best practices.

Systems Lab Services offers a wide range of infrastructure services for IBM Power<sup>(R)</sup> servers, IBM Storage systems, IBM Z, and IBM LinuxONE. Systems Lab Services has a global presence and can deploy experienced consultants online or onsite around the world.

For assistance, contact Systems Lab Services at [ibmsls@us.ibm.com](mailto:ibmsls@us.ibm.com).

To learn more, see the [IBM Systems Lab Services](#) website.

### IBM Consulting<sup>TM</sup>

As transformation continues across every industry, businesses need a single partner to map their enterprise-wide business strategy and technology infrastructure. IBM Consulting is the business partner to help accelerate change across an organization. IBM specialists can help businesses succeed through finding collaborative ways of working that forge connections across people, technologies, and partner ecosystems. IBM Consulting brings together the business expertise and an

ecosystem of technologies that help solve some of the biggest problems faced by organizations. With methods that get results faster, an integrated approach that is grounded in an open and flexible hybrid cloud architecture, and incorporating technology from IBM Research<sup>(R)</sup> and IBM Watson<sup>(R)</sup> AI, IBM Consulting enables businesses to lead change with confidence and deliver continuous improvement across a business and its bottom line.

For additional information, see the [IBM Consulting](#) website.

### **IBM Technology Support Services (TSS)**

Get preventive maintenance, onsite and remote support, and gain actionable insights into critical business applications and IT systems. Speed developer innovation with support for over 240 open-source packages. Leverage powerful IBM analytics and AI-enabled tools to enable client teams to manage IT problems before they become emergencies.

TSS offers extensive IT maintenance and support services that cover more than one niche of a client's environment. TSS covers products from IBM and OEMs, including servers, storage, network, appliances, and software, to help clients ensure high availability across their data center and hybrid cloud environment.

For details on available services, see the [Technology support for hybrid cloud environments](#) website.

### **IBM Expert Labs**

Expert Labs can help clients accelerate their projects and optimize value by leveraging their deep technical skills and knowledge. With more than 20 years of industry experience, these specialists know how to overcome the biggest challenges to deliver business results that can have an immediate impact.

Expert Labs' deep alignment with IBM product development allows for a strategic advantage as they are often the first in line to get access to new products, features, and early visibility into roadmaps. This connection with the development enables them to deliver First of a Kind implementations to address unique needs or expand a client's business with a flexible approach that works best for their organization.

For additional information, see the [IBM Expert Labs](#) website.

### **IBM Security Expert Labs**

With extensive consultative expertise on IBM Security software solutions, Security Expert Labs helps clients and partners modernize the security of their applications, data, and workforce. With an extensive portfolio of consulting and learning services, Expert Labs provides project-based and premier support service subscriptions.

These services can help clients deploy and integrate IBM Security software, extend their team resources, and help guide and accelerate successful hybrid cloud solutions, including critical strategies such as zero trust. Remote and on-premises software deployment assistance is available for IBM Cloud Pak<sup>(R)</sup> for Security, IBM Security QRadar<sup>(R)</sup>/QRoC, IBM Security SOAR/Resilient<sup>(R)</sup>, IBM i2<sup>(R)</sup>, IBM Security Verify, IBM Security Guardium<sup>(R)</sup>, and IBM Security MaaS360<sup>(R)</sup>.

For more information, contact Security Expert Labs at [sel@us.ibm.com](mailto:sel@us.ibm.com).

For additional information, see the [IBM Security Expert Labs](#) website.

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## **IBM Support**

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[IBM Support](#) is your gateway to technical support tools and resources that are designed to help you save time and simplify support. IBM Support can help you find answers to questions, download fixes, troubleshoot, submit and track problem cases, and build skills. Learn and stay informed about the transformation of IBM

Support, including new tools, new processes, and new capabilities, by going to the [IBM Support Insider](#).

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## Additional IBM support

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### IBM Client Engineering for Systems

Client Engineering for Systems is a framework for accelerating digital transformation. It helps you generate innovative ideas and equips you with the practices, technologies, and expertise to turn those ideas into business value in weeks. When you work with Client Engineering for Systems, you bring pain points into focus. You empower your team to take manageable risks, adopt leading technologies, speed up solution development, and measure the value of everything you do. Client Engineering for Systems has experts and services to address a broad array of use cases, including capabilities for business transformation, hybrid cloud, analytics and AI, infrastructure systems, security, and more. Contact Client Engineering at [sysgarage@ibm.com](mailto:sysgarage@ibm.com).

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## Technical information

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### Specified operating environment

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#### Hardware requirements

IMS 15 runs only in IBM z/Architecture<sup>(R)</sup> mode on an IBM System z10<sup>(R)</sup> processor, or higher. IMS 15.3 runs only in z/Architecture mode on an IBM System z10 processor or later. IMS 15.3 is the last IMS release that supports running on an IBM System z10 EC or BC (machine type 2097 or 2098) or an IBM System z196 or z114 (machine type 2817 or 2818).

#### Software requirements

The following minimum version, release, or modification levels are supported for interoperation with IMS 15 while these versions remain available and supported by IBM:

- z/OS V2.3 (5650-ZOS), or later
  - z/OS V2.3 and V2.4 APARs OA57570 and OA57633 for data privacy for diagnostics support for IMS 64-bit storage
  - z/OS V2.3 and V2.4 APAR OA57165 for IBM z/OS Workload Interaction Correlator support
  - DFSMS 2.3 APAR OA51385 for OLDS zHyperWrite support
  - DFSMS 2.3 APAR OA60688 for z/OS data set encryption support
- RACF, included in a separately orderable Security Server feature of z/OS V2.3, or equivalent, if security is used
- IBM High-Level Assembler Toolkit, a separately orderable feature of z/OS V2.3
- Java Development Kit (JDK) 8, if using IMS Universal drivers or Java dependent regions
- Db2 for z/OS 12 (5615-DB2<sup>(R)</sup>), or later
- IRLM 2.3 (5635-A06), or later, if data sharing is used; IRLM is delivered with IMS 15
- CICS 5.4 (5655-Y04), or later
- IBM MQ (5724-H72) 9.1, or later
- WebSphere Application Server for z/OS (5655-W65) or WebSphere Application Server for distributed platforms 8.5.5 (5724-J08)
- Enterprise COBOL for z/OS 6.2 (5655-EC6), or later, with IMS coprocessor support, if using IMS SQL support for COBOL application programs

IMS 15 is written in High Level Assembler, PL/X, C, C++, and Java.

## Request for enhancements

Not all features associated with these requirements are referenced in this announcement, even though they have been delivered. See the IMS information in [IBM Documentation](#) for more information about enhancements not covered in this announcement.

## Request for Enhancement (RFE) / Idea list

RFE/Idea number	Description
RFE 143089 / Idea IMSTM-I-73	DFSSQQRy - support for the message age in # of minutes.
RFE 65587 / Idea IMSDB-I-244	IBoA0113-1588 IMS Fence capability
RFE 124229 / Idea IMSSS-I-199	Increase Maximum areas for a DEDB
RFE 151298 / Idea IMSTM-I-94	Add Parameter to AUTH Call to Suppress ICH408 Messages
RFE 138834 / Idea IMSTM-I-74	Non-Stop TRAN and PSB
RFE 149631 / Idea IMSSS-I-273	Transactions that have been purged will still process messages but need to be started after a recycle in SQ systems
RFE 131760 / Idea IMSTM-I-46	IMS parameter at MPP region to choose which userid pass at DB2 signon
RFE 110950 / Idea IMSDB-I-68	Improve IMS catalog retention criteria / IMS catalog record purge utility
RFE 145346 / Idea IMSSS-I-253	Enhanced IMS default DFSSPMxx for HIOP
RFE 139496 / Idea IMSTM-I-54	Need some help from IMS to modify the command processor to scan actual existing destinations in IMS
RFE 130060 / Idea IMSDB-I-130	DFS3CATQ processes multiple IMS Catalogs
RFE 135683 / Idea IMSDB-I-132	Generate DBD/PSB source from IMS Catalog for any earlier instances
RFE 144465 / Idea IMSDB-I-147	Generate DBD and PSB in XML format from IMS Catalog
RFE 130780 / Idea IMSTM-I-61	Explicit IMS-Connect-PING by IMS TM RA API
RFE 105354 / Idea IMSES-I-77	Binary Literal Support in IMS JDBC Driver
RFE 125823 / Idea IMSSS-I-272	DBRC should refer to the staging data set of IMS directory
RFE 143622 / Idea IMSTM-I-88	Changed default for APPCMAX in DFSDCxxx

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## Ordering information

### Ordering z/OS through the internet

Shopz provides an easy way to plan and order your z/OS packaged offering. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS. Additional products can also be added to your order. Shopz will determine whether all product requisites are satisfied. Shopz is available in all countries. For more details and availability, go to the [Shopz](#) website.

### ICA or CRA Software

Orders for new licenses can be placed now.

Registered clients can access IBMLink for ordering information and charges.

Shipment will not occur before the availability date.

Unless a later date is specified, orders entered before the planned availability date will be assigned a schedule date of one week following availability.

Unless a later date is specified, an order is scheduled for the week following order entry.

New users of IMS V15.3 should specify: **Type: 5635 Model: A06**

CFSW configuration and order entry capability are available.

This product is eligible for Country Multiplex License Charge (CMLC) pricing metric. For more information regarding CMLC, see Software Announcement [LP15-0317](#), dated July 28, 2015.

### ***Parallel Sysplex License Charges (PSLC)***

Parallel Sysplex<sup>(R)</sup> license charge (PSLC) basic license

To order a basic license, specify the program number and quantity of MSU.

If there is more than one program copy in a Parallel Sysplex, the charge for all copies is associated to one license by specifying the applicable PSLC license options and quantity represented by the sum of the Service Units in Millions (MSUs) in your Parallel Sysplex. For all other program copies, specify the System Usage Registration No-Charge (SYSUSGREG NC) Identifier on the licenses.

### **Program name: Information Management System 15**

#### **Program PID: 5635-A06**

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	MLC Processor Group 001
S018211	IMS TM 15	MLC Processor Group 002
S018211	IMS TM 15	MLC Processor Group 003
S018211	IMS TM 15	MLC Processor Group 004
S018211	IMS TM 15	MLC Processor Group 0A1
S018211	IMS TM 15	MLC Processor Group 0A2
S018211	IMS TM 15	MLC Processor Group 0B1
S018211	IMS TM 15	MLC Processor Group 0C1
S018211	IMS TM 15	MLC Processor Group 0E1
S018211	IMS TM 15	MLC Processor Group 0X2
S018211	IMS TM 15	MLC Processor Group 110
S018211	IMS TM 15	MLC Processor Group A01
S018211	IMS TM 15	MLC Processor Group H30
S018211	IMS TM 15	MLC Processor Group H50
S018211	IMS TM 15	MLC Processor Group H70
S018211	IMS TM 15	MLC Up To 0.25 MSU
S018211	IMS TM 15	MLC Up To 0.5 MSU
S018211	IMS TM 15	MLC Up To 1 MSU
S018211	IMS TM 15	MLC Up To 2 MSU
S018211	IMS TM 15	Monthly Charge Base with Qty 1 MSU
S018211	IMS TM 15	Monthly Charge Base with Qty 3 MSU
S018211	IMS TM 15	Monthly Charge From 176 to 315 MSU PSLC up to level D
S018211	IMS TM 15	Monthly Charge From 316 to unlimited MSU PSLC up to level D
S018211	IMS TM 15	Monthly Charge From 4 to 45 MSU PSLC up to level D

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	Monthly Charge From 46 to 175 MSU PSLC up to level D
S018211	IMS TM 15	One Time Charge-alternative From 176 to 315 MSU PSLC up to level
S018211	IMS TM 15	One Time Charge-alternative From 316 to unlimited MSU PSLC up to
S018211	IMS TM 15	One Time Charge-alternative From 4 to 45 MSU PSLC up to level D
S018211	IMS TM 15	One Time Charge-alternative From 46 to 175 MSU PSLC up to level
S018211	IMS TM 15	One Time Charge-alternative Base with Qty 3 MSU
S018211	IMS TM 15	OTCA Processor Group 001
S018211	IMS TM 15	OTCA Processor Group 002
S018211	IMS TM 15	OTCA Processor Group 003
S018211	IMS TM 15	OTCA Processor Group 004
S018211	IMS TM 15	OTCA Processor Group 0A1
S018211	IMS TM 15	OTCA Processor Group 0A2
S018211	IMS TM 15	OTCA Processor Group 0B1
S018211	IMS TM 15	OTCA Processor Group 0C1
S018211	IMS TM 15	OTCA Processor Group 0E1
S018211	IMS TM 15	OTCA Processor Group 0X2
S018211	IMS TM 15	OTCA Processor Group 110
S018211	IMS TM 15	OTCA Processor Group A01
S018211	IMS TM 15	OTCA Processor Group H30
S018211	IMS TM 15	OTCA Processor Group H50
S018211	IMS TM 15	OTCA Processor Group H70
S018211	IMS TM 15	OTCA Up To 1 MSU
S018211	IMS TM 15	OTCA Up To 2 MSU
S018211	IMS TM 15	System Usage Registration No Charge Base with Qty 1 MSU
S018211	IMS TM 15	Workload Registration No Charge Base with Qty 0 MSU
<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018212	IMS ETO 15	MLC Processor Group 001
S018212	IMS ETO 15	MLC Processor Group 002
S018212	IMS ETO 15	MLC Processor Group 003
S018212	IMS ETO 15	MLC Processor Group 004
S018212	IMS ETO 15	MLC Processor Group 0A1
S018212	IMS ETO 15	MLC Processor Group 0A2
S018212	IMS ETO 15	MLC Processor Group 0B1
S018212	IMS ETO 15	MLC Processor Group 0C1
S018212	IMS ETO 15	MLC Processor Group 0E1
S018212	IMS ETO 15	MLC Processor Group 0X2
S018212	IMS ETO 15	MLC Processor Group 110
S018212	IMS ETO 15	MLC Processor Group A01



<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018212	IMS ETO 15	MLC Processor Group H30
S018212	IMS ETO 15	MLC Processor Group H50
S018212	IMS ETO 15	MLC Processor Group H70
S018212	IMS ETO 15	MLC Up To 0.25 MSU
S018212	IMS ETO 15	MLC Up To 0.5 MSU
S018212	IMS ETO 15	MLC Up To 1 MSU
S018212	IMS ETO 15	MLC Up To 2 MSU
S018212	IMS ETO 15	Monthly Charge Base with Qty 1 MSU
S018212	IMS ETO 15	Monthly Charge Base with Qty 1 MSU
S018212	IMS ETO 15	Monthly Charge Base with Qty 3 MSU
S018212	IMS ETO 15	Monthly Charge From 176 to 315 MSU PSLC up to level D
S018212	IMS ETO 15	Monthly Charge From 316 to unlimited MSU PSLC up to level D
S018212	IMS ETO 15	Monthly Charge From 4 to 45 MSU PSLC up to level D
S018212	IMS ETO 15	Monthly Charge From 46 to 175 MSU PSLC up to level D
S018212	IMS ETO 15	One Time Charge-alternative From 176 to 315 MSU PSLC up to level
S018212	IMS ETO 15	One Time Charge-alternative From 316 to unlimited MSU PSLC up to
S018212	IMS ETO 15	One Time Charge-alternative From 4 to 45 MSU PSLC up to level D
S018212	IMS ETO 15	One Time Charge-alternative From 46 to 175 MSU PSLC up to level
S018212	IMS ETO 15	One Time Charge-alternative Base with Qty 3 MSU
S018212	IMS ETO 15	OTCA Processor Group 001
S018212	IMS ETO 15	OTCA Processor Group 002
S018212	IMS ETO 15	OTCA Processor Group 003
S018212	IMS ETO 15	OTCA Processor Group 004
S018212	IMS ETO 15	OTCA Processor Group 0A1
S018212	IMS ETO 15	OTCA Processor Group 0A2
S018212	IMS ETO 15	OTCA Processor Group 0B1
S018212	IMS ETO 15	OTCA Processor Group 0C1
S018212	IMS ETO 15	OTCA Processor Group 0E1
S018212	IMS ETO 15	OTCA Processor Group 0X2
S018212	IMS ETO 15	OTCA Processor Group 110
S018212	IMS ETO 15	OTCA Processor Group A01
S018212	IMS ETO 15	OTCA Processor Group H30
S018212	IMS ETO 15	OTCA Processor Group H50
S018212	IMS ETO 15	OTCA Processor Group H70
S018212	IMS ETO 15	OTCA Up To 1 MSU
S018212	IMS ETO 15	OTCA Up To 2 MSU

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018212	IMS ETO 15	System Usage Registration No Charge Base with Qty 1 MSU
S018212	IMS ETO 15	Workload Registration No Charge Base with Qty 0 MSU
<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018214	IMS DB Mgr 15	MLC Processor Group 001
S018214	IMS DB Mgr 15	MLC Processor Group 002
S018214	IMS DB Mgr 15	MLC Processor Group 003
S018214	IMS DB Mgr 15	MLC Processor Group 004
S018214	IMS DB Mgr 15	MLC Processor Group 0A1
S018214	IMS DB Mgr 15	MLC Processor Group 0A2
S018214	IMS DB Mgr 15	MLC Processor Group 0B1
S018214	IMS DB Mgr 15	MLC Processor Group 0C1
S018214	IMS DB Mgr 15	MLC Processor Group 0E1
S018214	IMS DB Mgr 15	MLC Processor Group 0X2
S018214	IMS DB Mgr 15	MLC Processor Group 110
S018214	IMS DB Mgr 15	MLC Processor Group A01
S018214	IMS DB Mgr 15	MLC Processor Group H30
S018214	IMS DB Mgr 15	MLC Processor Group H50
S018214	IMS DB Mgr 15	MLC Processor Group H70
S018214	IMS DB Mgr 15	MLC Up To 0.25 MSU
S018214	IMS DB Mgr 15	MLC Up To 0.5 MSU
S018214	IMS DB Mgr 15	MLC Up To 1 MSU
S018214	IMS DB Mgr 15	MLC Up To 2 MSU
S018214	IMS DB Mgr 15	Monthly Charge Base with Qty 1 MSU
S018214	IMS DB Mgr 15	Monthly Charge Base with Qty 3 MSU
S018214	IMS DB Mgr 15	Monthly Charge From 176 to 315 MSU PSLC up to level D
S018214	IMS DB Mgr 15	Monthly Charge From 316 to unlimited MSU PSLC up to level D
S018214	IMS DB Mgr 15	Monthly Charge From 4 to 45 MSU PSLC up to level D
S018214	IMS DB Mgr 15	Monthly Charge From 46 to 175 MSU PSLC up to level D
S018214	IMS DB Mgr 15	One Time Charge-alternative From 176 to 315 MSU PSLC up to level
S018214	IMS DB Mgr 15	One Time Charge-alternative From 316 to unlimited MSU PSLC up to
S018214	IMS DB Mgr 15	One Time Charge-alternative From 46 to 175 MSU PSLC up to level
S018214	IMS DB Mgr 15	One Time Charge-alternative From 4 to 45 MSU PSLC up to level D
S018214	IMS DB Mgr 15	One Time Charge-alternative Base with Qty 3 MSU
S018214	IMS DB Mgr 15	OTCA Processor Group 001
S018214	IMS DB Mgr 15	OTCA Processor Group 002
S018214	IMS DB Mgr 15	OTCA Processor Group 003

Entitlement identifier	Description	License option/Pricing metric
S018214	IMS DB Mgr 15	OTCA Processor Group 004
S018214	IMS DB Mgr 15	OTCA Processor Group 0A1
S018214	IMS DB Mgr 15	OTCA Processor Group 0A2
S018214	IMS DB Mgr 15	OTCA Processor Group 0B1
S018214	IMS DB Mgr 15	OTCA Processor Group 0C1
S018214	IMS DB Mgr 15	OTCA Processor Group 0E1
S018214	IMS DB Mgr 15	OTCA Processor Group 0X2
S018214	IMS DB Mgr 15	OTCA Processor Group 110
S018214	IMS DB Mgr 15	OTCA Processor Group A01
S018214	IMS DB Mgr 15	OTCA Processor Group H30
S018214	IMS DB Mgr 15	OTCA Processor Group H50
S018214	IMS DB Mgr 15	OTCA Processor Group H70
S018214	IMS DB Mgr 15	OTCA Up To 1 MSU
S018214	IMS DB Mgr 15	OTCA Up To 2 MSU
S018214	IMS DB Mgr 15	System Usage Registration No Charge Base with Qty 1 MSU
S018214	IMS DB Mgr 15	Workload Registration No Charge Base with Qty 0 MSU

Orderable supply ID	Short name	Description	Language
S018M3X	IMS ETO 15.3	IBM Information Management System Extended Terminal Option 15 .3	US English
S018M3Z	IMS TM 15.3	IBM Information Management System Transaction Manager 15.3	US English
S018M40	IMS DB Mgr 15.3	IBM Information Management System DataBase Manager 15 .3	US English

### International Program License Agreement

The IMS Transaction Manager Value Unit Edition and Database Value Unit Edition offerings have one charge unit: Value Units.

Program number	Program name	Value unit exhibit
5655-TM4	Information Management System Transaction Manager Value Unit Edition 15	VUE001
5655-DS5	Information Management System Database Value Unit Edition 15	VUE001

**Program name: IMS Transaction Manager Value Unit Edition 15 PID: 5655-TM4**

**Program PID: 5655-TM4**

Entitlement identifier	Description	License option/ Pricing metric
S0187DS	IMS ETO VUE 15	MultiVersion Measurement No Charge Value Units Qty 1
S0187DS	IMS ETO VUE 15	On Off Cap on demand Temporary Use Charge MSU-DAY(s) Qty 1
S0187DS	IMS ETO VUE 15	Use-Based License One-Time Charge Value Units Qty 1
S0187DT	IMS TM VUE 15	MultiVersion Measurement No Charge Value Units Qty 1
S0187DT	IMS TM VUE 15	On Off Cap on demand Temporary Use Charge MSU-DAY(s) Qty 1
S0187DT	IMS TM VUE 15	Use-Based License One-Time Charge Value Units Qty 1

Orderable Supply ID	Short name	Description	Language
S018M81	IMS ETO VUE 15.3	IBM IMS Extended Terminal Option VUE 15	English US
S018M83	IMS TM VUE 15.3	IBM IMS Transaction Manager Value Unit Edition 15	English US

**Program name: IMS Transaction Manager Value Unit Edition Subscription and Support PID: 5655-TMS**

Entitlement Identifier	LF Description	License Option Description
S017K13	IMS TM VUE S&S	Decline Subscribe and Suppt. No Charge Base with Qty 0
S017K13	IMS TM VUE S&S	MultiVersion Measurement S&S No Charge Value Units Qty 1
S017K13	IMS TM VUE S&S	SW Subs and Sup Rgst No Charge MSU-DAY(s) Qty 1
S017K13	IMS TM VUE S&S	SW Subscription and Support Annual Support Charge Value Un Qty 1
S017K13	IMS TM VUE S&S	SW Subscription and Support Monthly Support Charge Value U Qty 1
S017K45	IMS ETO VUE S&S	Decline Subscribe and Suppt. No Charge Base with Qty 0
S017K45	IMS ETO VUE S&S	MultiVersion Measurement S&S No Charge Value Units Qty 1
S017K45	IMS ETO VUE S&S	SW Subs and Sup Rgst No Charge Per MSU Qty 1
S017K45	IMS ETO VUE S&S	SW Subscription and Support Annual Support Charge Value Un Qty 1
S017K45	IMS ETO VUE S&S	SW Subscription and Support Monthly Support Charge Value U Qty 1

Orderable supply ID	Short name	Description	Language
S017K0V	IMS TM VUE S&S	IBM IMS Transaction	US English

Orderable supply ID	Short name	Description	Language
		Manager Value Unit Edition Subscription & Support	
S017K41	IMS ETO VUE S&S	IBM IMS Extended Terminal Option Value Unit Edition Subscription & Support	US English

**Program name: IBM IMS Database Value Unit Edition 15 PID: 5655-DS5**

Entitlement Identifier	Short name	Description	License Option/ Pricing Metric
S017XHH	IMS DB Value Unit Ed 15	IMS Database Value Unit Ed 15	MultiVersion Measurement No Charge Value Units Qty 1
S017XHH	IMS DB Value Unit Ed 15	IMS Database Value Unit Ed 15	On Off Cap on demand Temporary Use Charge MSU-DAY(s) Qty 1
S017XHH	IMS DB Value Unit Ed 15	IMS Database Value Unit Ed 15	Use-Based License One-Time Charge Value Units Qty 1

Orderable Supply ID	Short name	Description	Language
S018M85	IMS DB VUE 15.3	IBM Information Management System Database Value Unit Edition 15.3	English US

**Information Management System Database Value Unit Edition Subscription and Support PID: 5655-DSR**

Entitlement Identifier	Description	License Option/Pricing Metric
S017864	IMS Database VUE S&S	Decline Subscribe and Suppt. No Charge Base with Qty 0
S017864	IMS Database VUE S&S	MultiVersion Measurement S&S No Charge Value Units Qty 1
S017864	IMS Database VUE S&S	SW Subs and Sup Rgst No Charge MSU-DAY(s) Qty 1
S017864	IMS Database VUE S&S	SW Subscription and Support Annual Support Charge Value Un Qty 1
S017864	IMS Database VUE S&S	SW Subscription and Support Monthly Support Charge Value U Qty 1

Orderable supply ID	Short name	Description	Language
S017863	IMS Database VUE S&S	IBM Information Management System Value Unit Edition Database Server S&S	English US

**Advanced Workload License Charges (AWLC)**

Advanced Workload License Charges (AWLC) basic license

To order a basic license, specify the program number and quantity of MSUs. If there is more than one program copy in a Parallel Sysplex, the charge for all copies is

associated to one license by specifying the applicable AWLC license options and quantity represented by the sum of the Service Units in Millions (MSUs) in your Parallel Sysplex. For all other program copies, specify the System Usage Registration No-Charge (SYSUSGREG NC) Identifier on the licenses.

**Program name: Information Management System 15**

**Program PID: 5635-A06**

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	Monthly Charge From 1316 to 1975 MSU Advanced WLC
S018211	IMS TM 15	Monthly Charge From 176 to 315 MSU Advanced WLC
S018211	IMS TM 15	Monthly Charge From 1976 to unlimited MSU Advanced WLC
S018211	IMS TM 15	Monthly Charge From 316 to 575 MSU Advanced WLC
S018211	IMS TM 15	Monthly Charge From 4 to 45 MSU Advanced WLC
S018211	IMS TM 15	Monthly Charge From 46 to 175 MSU Advanced WLC
S018211	IMS TM 15	Monthly Charge From 576 to 875 MSU Advanced WLC
S018211	IMS TM 15	Monthly Charge From 876 to 1315 MSU Advanced WLC
S018211	IMS TM 15	One Time Charge-alternative From 1316 to 1975 MSU Advanced WLC
S018211	IMS TM 15	One Time Charge-alternative From 176 to 315 MSU Advanced WLC
S018211	IMS TM 15	One Time Charge-alternative From 316 to 575 MSU Advanced WLC
S018211	IMS TM 15	One Time Charge-alternative From 4 to 45 MSU Advanced WLC
S018211	IMS TM 15	One Time Charge-alternative From 46 to 175 MSU Advanced WLC
S018211	IMS TM 15	One Time Charge-alternative From 576 to 875 MSU Advanced WLC
S018211	IMS TM 15	One Time Charge-alternative From 876 to 1315 MSU Advanced WLC
S018211	IMS TM 15	One Time Charge-alternative From 1976 to unlimited MSU Advanced
S018211	IMS TM 15	Workload Registration No Charge From 1316 to 1975 MSU Advanced WLC
S018211	IMS TM 15	Workload Registration No Charge From 176 to 315 MSU Advanced WLC
S018211	IMS TM 15	Workload Registration No Charge From 316 to 575 MSU Advanced WLC

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	Workload Registration No Charge From 4 to 45 MSU Advanced WLC
S018211	IMS TM 15	Workload Registration No Charge From 46 to 175 MSU Advanced WLC
S018211	IMS TM 15	Workload Registration No Charge From 576 to 875 MSU Advanced WLC
S018211	IMS TM 15	Workload Registration No Charge From 876 to 1315 MSU Advanced WL
S018211	IMS TM 15	Workload Registration No Charge From 1976 to unlimited MSU Advanced WLC
S018212	IMS ETO 15	Monthly Charge From 1316 to 1975 MSU Advanced WLC
S018212	IMS ETO 15	Monthly Charge From 176 to 315 MSU Advanced WLC
S018212	IMS ETO 15	Monthly Charge From 1976 to unlimited MSU Advanced WLC
S018212	IMS ETO 15	Monthly Charge From 316 to 575 MSU Advanced WLC
S018212	IMS ETO 15	Monthly Charge From 4 to 45 MSU Advanced WLC
S018212	IMS ETO 15	Monthly Charge From 46 to 175 MSU Advanced WLC
S018212	IMS ETO 15	Monthly Charge From 576 to 875 MSU Advanced WLC
S018212	IMS ETO 15	Monthly Charge From 876 to 1315 MSU Advanced WLC
S018212	IMS ETO 15	One Time Charge-alternative From 1316 to 1975 MSU Advanced WLC
S018212	IMS ETO 15	One Time Charge-alternative From 176 to 315 MSU Advanced WLC
S018212	IMS ETO 15	One Time Charge-alternative From 1976 to unlimited MSU Advanced WLC
S018212	IMS ETO 15	One Time Charge-alternative From 316 to 575 MSU Advanced WLC
S018212	IMS ETO 15	One Time Charge-alternative From 4 to 45 MSU Advanced WLC
S018212	IMS ETO 15	One Time Charge-alternative From 46 to 175 MSU Advanced WLC
S018212	IMS ETO 15	One Time Charge-alternative From 576 to 875 MSU Advanced WLC
S018212	IMS ETO 15	One Time Charge-alternative From 876 to 1315 MSU Advanced WLC

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018212	IMS ETO 15	Workload Registration No Charge From 1316 to 1975 MSU Advanced W
S018212	IMS ETO 15	Workload Registration No Charge From 176 to 315 MSU Advanced WLC
S018212	IMS ETO 15	Workload Registration No Charge From 1976 to unlimited MSU MSU Advanced WLC
S018212	IMS ETO 15	Workload Registration No Charge From 316 to 575 MSU Advanced WLC
S018212	IMS ETO 15	Workload Registration No Charge From 4 to 45 MSU Advanced WLC
S018212	IMS ETO 15	Workload Registration No Charge From 46 to 175 MSU Advanced WLC
S018212	IMS ETO 15	Workload Registration No Charge From 576 to 875 MSU Advanced WLC
S018212	MS ETO 15	Workload Registration No Charge From 876 to 1315 MSU Advanced WL
S018214	IMS DB Mgr 15	Monthly Charge From 1316 to 1975 MSU Advanced WLC
S018214	IMS DB Mgr 15	Monthly Charge From 176 to 315 MSU Advanced WLC
S018214	IMS DB Mgr 15	Monthly Charge From 1976 to unlimited MSU Advanced WLC
S018214	IMS DB Mgr 15	Monthly Charge From 316 to 575 MSU Advanced WLC
S018214	IMS DB Mgr 15	Monthly Charge From 4 to 45 MSU Advanced WLC
S018214	IMS DB Mgr 15	Monthly Charge From 46 to 175 MSU Advanced WLC
S018214	IMS DB Mgr 15	Monthly Charge From 576 to 875 MSU Advanced WLC
S018214	IMS DB Mgr 15	Monthly Charge From 876 to 1315 MSU Advanced WLC
S018214	IMS DB Mgr 15	One Time Charge-alternative From 1316 to 1975 MSU Advanced WLC
S018214	IMS DB Mgr 15	One Time Charge-alternative From 176 to 315 MSU Advanced WLC
S018214	IMS DB Mgr 15	One Time Charge-alternative From 1976 to unlimited MSU Advanced WLC
S018214	IMS DB Mgr 15	One Time Charge-alternative From 316 to 575 MSU Advanced WLC
S018214	IMS DB Mgr 15	One Time Charge-alternative From 4 to 45 MSU Advanced WLC



<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018214	IMS DB Mgr 15	One Time Charge- alternative From 46 to 175 MSU Advanced WLC
S018214	IMS DB Mgr 15	One Time Charge- alternative From 576 to 875 MSU Advanced WLC
S018214	IMS DB Mgr 15	One Time Charge- alternative From 876 to 1315 MSU Advanced WLC
S018214	IMS DB Mgr 15	Workload Registration No Charge From 1316 to 1975 MSU Advanced WLC
S018214	IMS DB Mgr 15	Workload Registration No Charge From 176 to 315 MSU Advanced WLC
S018214	IMS DB Mgr 15	Workload Registration No Charge From 1976 to unlimited MSU Advanced WLC
S018214	IMS DB Mgr 15	Workload Registration No Charge From 4 to 45 MSU Advanced WLC
S018214	IMS DB Mgr 15	Workload Registration No Charge From 46 to 175 MSU Advanced WLC
S018214	IMS DB Mgr 15	Workload Registration No Charge From 576 to 875 MSU Advanced WLC
S018214	IMS DB Mgr 15	Workload Registration No Charge From 876 to 1315 MSU Advanced WLC
S018214	IMS DB Mgr 15	Workload Registration No Charge From 316 to 575 MSU Advanced WLC

### ***Advanced Entry Workload License Charges (AEWLC)***

#### **Advanced Entry Workload License Charges (AEWLC) basic license**

To order a basic license, specify the program number and the quantity of MSUs.

**Program name: IBM IMS 15**

**Program PID: 5635-A06**

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	Monthly Charge From 176 to 260 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	Monthly Charge From 18 to 30 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	Monthly Charge From 261 to 315 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	Monthly Charge From 31 to 45 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	Monthly Charge From 316 to unlimited MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	Monthly Charge From 4 to 17 MSU AEWLC - Advanced Entry WLC

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	Monthly Charge From 46 to 87 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	Monthly Charge From 88 to 175 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	One Time Charge-alternative From 176 to 260 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	One Time Charge-alternative From 18 to 30 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	One Time Charge-alternative From 261 to 315 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	One Time Charge-alternative From 31 to 45 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	One Time Charge-alternative From 4 to 17 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	One Time Charge-alternative From 46 to 87 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	One Time Charge-alternative From 88 to 175 MSU AEWLC - Advanced Entry WLC
S018211	IMS TM 15	One Time Charge-alternative From 316 to unlimited MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	Monthly Charge From 176 to 260 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	Monthly Charge From 18 to 30 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	Monthly Charge From 261 to 315 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	Monthly Charge From 31 to 45 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	Monthly Charge From 316 to unlimited MSU AEWLC - Advanced Entry
S018212	IMS ETO 15	Monthly Charge From 4 to 17 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	Monthly Charge From 46 to 87 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	Monthly Charge From 88 to 175 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	One Time Charge-alternative From 176

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
		to 260 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	One Time Charge-alternative From 18 to 30 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	One Time Charge-alternative From 261 to 315 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	One Time Charge-alternative From 31 to 45 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	One Time Charge-alternative From 4 to 17 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	One Time Charge-alternative From 46 to 87 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	One Time Charge-alternative From 88 to 175 MSU AEWLC - Advanced Entry WLC
S018212	IMS ETO 15	One Time Charge-alternative From 316 to unlimited MSU Advanced Entry WLC
S018214	IMS DB Mgr 15	Monthly Charge From 176 to 260 MSU AEWLC - Advanced Entry WLC
S018214	IMS DB Mgr 15	Monthly Charge From 18 to 30 MSU AEWLC - Advanced Entry WLC
S018214	IMS DB Mgr 15	Monthly Charge From 261 to 315 MSU AEWLC - Advanced Entry WLC
S018214	IMS DB Mgr 15	Monthly Charge From 31 to 45 MSU AEWLC - Advanced Entry WLC
S018214	IMS DB Mgr 15	Monthly Charge From 4 to 17 MSU AEWLC - Advanced Entry WLC
S018214	IMS DB Mgr 15	Monthly Charge From 46 to 87 MSU AEWLC - Advanced Entry WLC
S018214	IMS DB Mgr 15	Monthly Charge From 88 to 175 MSU AEWLC - Advanced Entry WLC
S018214	IMS DB Mgr 15	Monthly Charge From 316 to unlimited MSU AEWLC - Advanced Entry WLC
S018214	IMS DB Mgr 15	One Time Charge-alternative From 176 to 260 MSU AEWLC - Advanced
S018214	IMS DB Mgr 15	One Time Charge-alternative From 18 to 30 MSU AEWLC - Advanced E
S018214	IMS DB Mgr 15	One Time Charge-alternative From 31 to 45 MSU AEWLC - Advanced E

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018214	IMS DB Mgr 15	One Time Charge- alternative From 4 to 17 MSU AEWLC - Advanced En
S018214	IMS DB Mgr 15	One Time Charge- alternative From 46 to 87 MSU AEWLC - Advanced E
S018214	IMS DB Mgr 15	One Time Charge- alternative From 88 to 175 MSU AEWLC - Advanced
S018214	IMS DB Mgr 15	One Time Charge- alternative From 261 to 315 MSU AEWLC - Advanced
S018214	IMS DB Mgr 15	One Time Charge- alternative From 316 to unlimited MSU AEWLC - Ad

### **Country Multiplex License Charges (CMLC)**

#### **Country Multiplex License Charges (CMLC) basic license**

To order a basic license, specify the program number and quantity of MSUs.

If there is more than one program copy in a Country Multiplex, the charge for all copies is associated to one license if all the copies are licensed to one customer number within the multiplex. If there is more than one customer number, the charge for all copies is prorated to one license for each customer within the multiplex

For each license being charged, specify the applicable CMLC license options and the prorated quantity of the Service Units in Millions (MSUs) for each customer number within the multiplex. For all other program copies, specify the Workload Registration No-Charge (WLREG NC) Identifier on the licenses.

**Program name: IMS 15**

**Program PID: 5635-A06**

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	Monthly Charge From 10000 to 13999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 1316 to 1975 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 14000 to 18999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 176 to 315 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 19000 to 24999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 1976 to 2499 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 2500 to 3499 MSU

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
		Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 25000 to unlimited MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 316 to 575 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 3500 to 4999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 4 to 45 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 46 to 175 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 5000 to 6999 MSU Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 576 to 875 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 7000 to 9999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Monthly Charge From 876 to 1315 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 10000 to 13999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 1316 to 1975 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 14000 to 18999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 176 to 315 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 19000 to 24999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 1976 to 2499 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 2500 to 3499 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 25000 to unlimited MSU Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 316 to 575

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
		MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 3500 to 4999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 4 to 45 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 46 to 175 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 5000 to 6999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 576 to 875 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 7000 to 9999 MSU Country Multiplex License Charge
S018211	IMS TM 15	Workload Registration No Charge From 876 to 1315 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 10000 to 13999 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 1316 to 1975 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 14000 to 18999 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 176 to 315 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 19000 to 24999 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 1976 to 2499 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 2500 to 3499 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 25000 to unlimited MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 316 to 575 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 3500 to 4999 MSU

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
		Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 4 to 45 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 46 to 175 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 5000 to 6999 MSU Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 576 to 875 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 7000 to 9999 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Monthly Charge From 876 to 1315 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 10000 to 13999 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 1316 to 1975 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 14000 to 18999 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 176 to 315 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 19000 to 24999 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 1976 to 2499 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 2500 to 3499 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 25000 to unlimited MSU Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 316 to 575 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 3500 to 4999 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 4 to 45 MSU Country Multiplex License Charge

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018212	IMS ETO 15	Workload Registration No Charge From 46 to 175 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 5000 to 6999 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 576 to 875 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 7000 to 9999 MSU Country Multiplex License Charge
S018212	IMS ETO 15	Workload Registration No Charge From 876 to 1315 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 10000 to 13999 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 1316 to 1975 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 14000 to 18999 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 176 to 315 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 19000 to 24999 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 1976 to 2499 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 2500 to 3499 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 25000 to unlimited MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 316 to 575 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 3500 to 4999 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 4 to 45 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 46 to 175 MSU Country Multiplex License Charge



<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018214	IMS DB Mgr 15	Monthly Charge From 5000 to 6999 MSU Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 576 to 875 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 7000 to 9999 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 876 to 1315 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 10000 to 13999 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 1316 to 1975 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 14000 to 18999 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 176 to 315 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 19000 to 24999 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 1976 to 2499 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 2500 to 3499 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 25000 to unlimited MSU Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 316 to 575 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 3500 to 4999 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 4 to 45 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 46 to 175 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 5000 to 6999 MSU Country Multiplex License Charge

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018214	IMS DB Mgr 15	Workload Registration No Charge From 576 to 875 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 7000 to 9999 MSU Country Multiplex License Charge
S018214	IMS DB Mgr 15	Workload Registration No Charge From 876 to 1315 MSU Country Multiplex License Charge

### ***Solution Consumption License Charges (SCLC)***

#### Solution Consumption License Charges (SCLC)

SCLC delivers a true metered usage model, where the million service units (MSUs) that are consumed are charged at the same per-MSU rate, regardless of hourly peaks and spikes. This can deliver exceptional levels of pricing predictability.

For additional information about SCLC, see Software Announcement [LP18-0391](#), dated October 02, 2018.

#### Information Management System 15.3

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	Solution Charge Monthly Charge Enterprise Solution MSU Qty 1
S018211	IMS TM 15	Solution Charge Reg. No Charge Enterprise Solution MSU Qty 1
S018211	IMS TM 15	Solution Consumption Monthly Charge Solution Consumption MSU Qty 1
S018211	IMS TM 15	Solution Consumption Reg. No Charge Solution Consumption MSU Qty 1

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018212	IMS ETO 15	Solution Charge Monthly Charge Enterprise Solution MSU Qty 1
S018212	IMS ETO 15	Solution Charge Reg. No Charge Enterprise Solution MSU Qty 1
S018212	IMS ETO 15	Solution Consumption Monthly Charge Solution Consumption M Qty 1
S018212	IMS ETO 15	Solution Consumption Reg. No Charge Solution Consumption M Qty 1

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018214	IMS DB Mgr 15	Solution Charge Monthly Charge Enterprise Solution MSU Qty 1
S018214	IMS DB Mgr 15	Solution Charge Reg. No Charge Enterprise Solution MSU Qty 1
S018214	IMS DB Mgr 15	Solution Consumption Monthly Charge Solution Consumption M Qty 1

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018214	IMS DB Mgr 15	Solution Consumption Reg. No Charge Solution Consumption M Qty 1

### **Variable Workload License Charge (VWLC)**

Workload License Charge (WLC) Basic License

If there is more than one program copy in a Parallel Sysplex, the charge for all copies is associated to one license by specifying the applicable WLC license options and quantity represented by the sum of the Service Units in Millions (MSUs) in your Parallel Sysplex. For all other program copies, specify the Workload Registration Variable WLC Identifier on the licenses.

### **Information Management System V15 (5635-A06)**

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	Monthly Charge From 1316 to 1975 MSU Var. Workload License Charge
S018211	IMS TM 15	Monthly Charge From 176 to 315 MSU Var. Workload License Charge
S018211	IMS TM 15	Monthly Charge From 1976 to unlimited MSU Var. Workload License
S018211	IMS TM 15	Monthly Charge From 4 to 45 MSU Var. Workload License Charge
S018211	IMS TM 15	Monthly Charge From 46 to 175 MSU Var. Workload License Charge
S018211	IMS TM 15	Monthly Charge From 576 to 875 MSU Var. Workload License Charge
S018211	IMS TM 15	Monthly Charge From 876 to 1315 MSU Var. Workload License Charge
S018211	IMS TM 15	Monthly Charge From 316 to 575 MSU Var. Workload License Charge
S018211	IMS TM 15	One Time Charge-alternative From 1316 to 1975 MSU Var. Workload
S018211	IMS TM 15	One Time Charge-alternative From 176 to 315 MSU Var. Workload Li
S018211	IMS TM 15	One Time Charge-alternative From 1976 to unlimited MSU Var. Work
S018211	IMS TM 15	One Time Charge-alternative From 316 to 575 MSU Var. Workload Li
S018211	IMS TM 15	One Time Charge-alternative From 4 to 45 MSU Var. Workload Licen
S018211	IMS TM 15	One Time Charge-alternative From 46 to 175 MSU Var. Workload Lic
S018211	IMS TM 15	One Time Charge-alternative From 576 to 875 MSU Var. Workload Li

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	One Time Charge- alternative From 876 to 1315 MSU Var. Workload L
S018211	IMS TM 15	Workload Registration No Charge From 1316 to 1975 MSU Var. Workl
S018211	IMS TM 15	Workload Registration No Charge From 176 to 315 MSU Var. Workloa
S018211	IMS TM 15	Workload Registration No Charge From 1976 to unlimited MSU Var.
S018211	IMS TM 15	Workload Registration No Charge From 316 to 575 MSU Var. Workloa
S018211	IMS TM 15	Workload Registration No Charge From 4 to 45 MSU Var. Workload L
S018211	IMS TM 15	Workload Registration No Charge From 46 to 175 MSU Var. Workload
S018211	IMS TM 15	Workload Registration No Charge From 576 to 875 MSU Var. Workloa

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018212	IMS ETO 15	Monthly Charge From 1316 to 1975 MSU Var. Workload License Charg
S018212	IMS ETO 15	Monthly Charge From 176 to 315 MSU Var. Workload License Charge
S018212	IMS ETO 15	Monthly Charge From 1976 to unlimited MSU Var. Workload License
S018212	IMS ETO 15	Monthly Charge From 316 to 575 MSU Var. Workload License Charge
S018212	IMS ETO 15	Monthly Charge From 4 to 45 MSU Var. Workload License Charge
S018212	IMS ETO 15	Monthly Charge From 46 to 175 MSU Var. Workload License Charge
S018212	IMS ETO 15	Monthly Charge From 876 to 1315 MSU Var. Workload License Charge
S018212	IMS ETO 15	Monthly Charge From 576 to 875 MSU Var. Workload License Charge
S018212	IMS ETO 15	One Time Charge- alternative From 1316 to 1975 MSU Var. Workload
S018212	IMS ETO 15	One Time Charge- alternative From 176 to 315 MSU Var. Workload Li
S018212	IMS ETO 15	One Time Charge- alternative From 1976 to unlimited MSU Var. Work
S018212	IMS ETO 15	One Time Charge- alternative From 316 to 575 MSU Var. Workload Li

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018212	IMS ETO 15	One Time Charge- alternative From 4 to 45 MSU Var. Workload Licen
S018212	IMS ETO 15	One Time Charge- alternative From 46 to 175 MSU Var. Workload Lic
S018212	IMS ETO 15	One Time Charge- alternative From 576 to 875 MSU Var. Workload Li
S018212	IMS ETO 15	One Time Charge- alternative From 876 to 1315 MSU Var. Workload L
S018212	IMS ETO 15	Workload Registration No Charge From 1316 to 1975 MSU Var. Workl
S018212	IMS ETO 15	Workload Registration No Charge From 176 to 315 MSU Var. Workloa
S018212	IMS ETO 15	Workload Registration No Charge From 1976 to unlimited MSU Var.
S018212	IMS ETO 15	Workload Registration No Charge From 316 to 575 MSU Var. Workloa
S018212	IMS ETO 15	Workload Registration No Charge From 4 to 45 MSU Var. Workload L
S018212	IMS ETO 15	Workload Registration No Charge From 46 to 175 MSU Var. Workload
S018212	IMS ETO 15	Workload Registration No Charge From 576 to 875 MSU Var. Workloa
S018212	IMS ETO 15	Workload Registration No Charge From 876 to 1315 MSU Advanced WL

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018214	IMS DB Mgr 15	Monthly Charge From 1316 to 1975 MSU Var. Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 176 to 315 MSU Var. Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 1976 to unlimited MSU Var. Workload License
S018214	IMS DB Mgr 15	Monthly Charge From 316 to 575 MSU Var. Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 4 to 45 MSU Var. Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 46 to 175 MSU Var. Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 576 to 875 MSU Var. Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 876 to 1315 MSU Var. Workload License Charge

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018214	IMS DB Mgr 15	One Time Charge-alternative From 1316 to 1975 MSU Var. Workload
S018214	IMS DB Mgr 15	One Time Charge-alternative From 176 to 315 MSU Var. Workload Li
S018214	IMS DB Mgr 15	One Time Charge-alternative From 1976 to unlimited MSU Var. Work
S018214	IMS DB Mgr 15	One Time Charge-alternative From 316 to 575 MSU Var. Workload Li
S018214	IMS DB Mgr 15	One Time Charge-alternative From 4 to 45 MSU Var. Workload Licen
S018214	IMS DB Mgr 15	One Time Charge-alternative From 46 to 175 MSU Var. Workload Lic
S018214	IMS DB Mgr 15	One Time Charge-alternative From 576 to 875 MSU Var. Workload Li
S018214	IMS DB Mgr 15	One Time Charge-alternative From 876 to 1315 MSU Var. Workload L
S018214	IMS DB Mgr 15	Workload Registration No Charge From 1316 to 1975 MSU Var. Workl
S018214	IMS DB Mgr 15	Workload Registration No Charge From 176 to 315 MSU Var. Workloa
S018214	IMS DB Mgr 15	Workload Registration No Charge From 1976 to unlimited MSU Var.
S018214	IMS DB Mgr 15	Workload Registration No Charge From 316 to 575 MSU Var. Workloa
S018214	IMS DB Mgr 15	Workload Registration No Charge From 4 to 45 MSU Var. Workload L
S018214	IMS DB Mgr 15	Workload Registration No Charge From 46 to 175 MSU Var. Workload
S018214	IMS DB Mgr 15	Workload Registration No Charge From 576 to 875 MSU Var. Workloa
S018214	IMS DB Mgr 15	Workload Registration No Charge From 876 to 1315 MSU Advanced WL

Workload License Charge (WLC) Basic License

To order a basic license, specify the program number and the quantity of MSUs.

***Entry Workload License Charges (EWLC)***

Entry Workload License Charge (EWLC) Basic License

To order a basic license, specify the program number and the quantity of MSUs.

**Program name: IMS 15**

**Program PID: 5635-A06**

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018211	IMS TM 15	Monthly Charge From 176 to 260 MSU Entry Workload License Charge
S018211	IMS TM 15	Monthly Charge From 18 to 30 MSU Entry Workload License Charge
S018211	IMS TM 15	Monthly Charge From 261 to unlimited MSU Entry Workload License
S018211	IMS TM 15	Monthly Charge From 4 to 17 MSU Entry Workload License Charge
S018211	IMS TM 15	Monthly Charge From 46 to 87 MSU Entry Workload License Charge
S018211	IMS TM 15	Monthly Charge From 88 to 175 MSU Entry Workload License Charge
S018211	IMS TM 15	Monthly Charge From 31 to 45 MSU Entry Workload License Charge
S018211	IMS TM 15	One Time Charge-alternative From 176 to 260 MSU Entry Workload L
S018211	IMS TM 15	One Time Charge-alternative From 18 to 30 MSU Entry Workload Lic
S018211	IMS TM 15	One Time Charge-alternative From 261 to unlimited MSU Entry Work
S018211	IMS TM 15	One Time Charge-alternative From 31 to 45 MSU Entry Workload Lic
S018211	IMS TM 15	One Time Charge-alternative From 4 to 17 MSU Entry Workload Lice
S018211	IMS TM 15	One Time Charge-alternative From 46 to 87 MSU Entry Workload Lic
S018211	IMS TM 15	One Time Charge-alternative From 88 to 175 MSU Entry Workload Li

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018212	IMS ETO 15	Monthly Charge From 176 to 260 MSU Entry Workload License Charge
S018212	IMS ETO 15	Monthly Charge From 18 to 30 MSU Entry Workload License Charge
S018212	IMS ETO 15	Monthly Charge From 261 to unlimited MSU Entry Workload License
S018212	IMS ETO 15	Monthly Charge From 31 to 45 MSU Entry Workload License Charge
S018212	IMS ETO 15	Monthly Charge From 4 to 17 MSU Entry Workload License Charge
S018212	IMS ETO 15	Monthly Charge From 46 to 87 MSU Entry Workload License Charge

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018212	IMS ETO 15	Monthly Charge From 88 to 175 MSU Entry Workload License Charge
S018212	IMS ETO 15	One Time Charge-alternative From 176 to 260 MSU Entry Workload L
S018212	IMS ETO 15	One Time Charge-alternative From 18 to 30 MSU Entry Workload Lic
S018212	IMS ETO 15	One Time Charge-alternative From 261 to unlimited MSU Entry Work
S018212	IMS ETO 15	One Time Charge-alternative From 31 to 45 MSU Entry Workload Lic
S018212	IMS ETO 15	One Time Charge-alternative From 4 to 17 MSU Entry Workload Lice
S018212	IMS ETO 15	One Time Charge-alternative From 46 to 87 MSU Entry Workload Lic
S018212	IMS ETO 15	One Time Charge-alternative From 88 to 175 MSU Entry Workload Li

<b>Entitlement identifier</b>	<b>Description</b>	<b>License option/Pricing metric</b>
S018214	IMS DB Mgr 15	Monthly Charge From 176 to 260 MSU Entry Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 18 to 30 MSU Entry Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 261 to unlimited MSU Entry Workload License
S018214	IMS DB Mgr 15	Monthly Charge From 31 to 45 MSU Entry Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 4 to 17 MSU Entry Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 46 to 87 MSU Entry Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 876 to 1315 MSU Var. Workload License Charge
S018214	IMS DB Mgr 15	Monthly Charge From 88 to 175 MSU Entry Workload License Charge
S018214	IMS DB Mgr 15	One Time Charge-alternative From 176 to 260 MSU Entry Workload L
S018214	IMS DB Mgr 15	One Time Charge-alternative From 18 to 30 MSU Entry Workload Lic
S018214	IMS DB Mgr 15	One Time Charge-alternative From 261 to unlimited MSU Entry Work
S018214	IMS DB Mgr 15	One Time Charge-alternative From 31 to 45 MSU Entry Workload Lic



Entitlement identifier	Description	License option/Pricing metric
S018214	IMS DB Mgr 15	One Time Charge- alternative From 4 to 17 MSU Entry Workload Lice
S018214	IMS DB Mgr 15	One Time Charge- alternative From 46 to 87 MSU Entry Workload Lic
S018214	IMS DB Mgr 15	One Time Charge- alternative From 88 to 175 MSU Entry Workload Li

### ***Flat Workload License Charge (FWLC)***

**Program name: IMS 15**

**Program PID: 5635-A06**

Entitlement identifier	Description	License option/Pricing metric
S018211	IMS TM 15	No Charge Up To 1 Flat Enterprise Solution FLAT
S018212	IMS ETO 15	No Charge Up To 1 Flat Enterprise Solution FLAT
S018214	IMS DB Mgr 15	No Charge Up To 1 Flat Enterprise Solution FLAT

### ***IBM Z Usage License Charge (UCL)***

**IBM Z Usage License Charge, basic license:**

Specify the applicable IBM Z Usage License Charge option.

Charges will be based upon the Peak MSUs. Usage reported between thresholds of features 1, 2, or 3, will be rounded up to the next MSU level. Above 1.0 MSU, usage will be rounded to the nearest whole MSU. For example, 2.4 MSUs would round to 2.0 MSUs for pricing, and 2.5 MSUs would round to 3.0 MSUs for pricing.

**Program name: IMS 15.3 PID: 5635-A06**

Entitlement identifier	Description	License option/Pricing metric
S018211	IMS TM 15	Monthly Charge From 12 to 44 MSU ULC Measured Usage above 0.5 M
S018211	IMS TM 15	Monthly Charge From 2 to 11 MSU ULC Measured Usage above 0.5 M
S018211	IMS TM 15	Monthly Charge From 45 to 78 MSU ULC Measured Usage above 0.5 M
S018211	IMS TM 15	Monthly Charge From 79 to unlimited MSU ULC Measured Usage above
S018212	IMS ETO 15	Monthly Charge From 12 to 44 MSU ULC Measured Usage above 0.5 M
S018212	IMS ETO 15	Monthly Charge From 2 to 11 MSU ULC Measured Usage above 0.5 M
S018212	IMS ETO 15	Monthly Charge From 45 to 78 MSU ULC Measured Usage above 0.5 M
S018212	IMS ETO 15	Monthly Charge From 79 to unlimited MSU ULC Measured Usage above

Entitlement identifier	Description	License option/Pricing metric
S018214	IMS DB Mgr 15	Monthly Charge From 12 to 44 MSU ULC Measured Usage above 0.5 M
S018214	IMS DB Mgr 15	Monthly Charge From 2 to 11 MSU ULC Measured Usage above 0.5 M
S018214	IMS DB Mgr 15	Monthly Charge From 45 to 78 MSU ULC Measured Usage above 0.5 M
S018214	IMS DB Mgr 15	Monthly Charge From 79 to unlimited MSU ULC Measured Usage above

### ***Tiered Workload License Charge (TWLC)***

Not applicable.

### ***Growth Opportunity License Charge (GOLC)***

Growth Opportunity License Charge (GOLC) basic license

To order a basic license, specify the program number and the machine model.

**Program name: IMS 15**

**Program PID: 5635-A06**

Entitlement ID	Description	License Option/Pricing Metric
S018211	IMS TM 15	Basic License Monthly Charge Growth Opportunity Processor Based Charges
S018212	IMS ETO 15	Basic License Monthly Charge Growth Opportunity Processor Based Charges
S018214	IMS DB Mgr 15	Basic License Monthly Charge Growth Opportunity Processor Based Charges
S018211	IMS TM 15	Basic License One Time Charge-alternative Growth Opportunity Processor Based Charges
S018212	IMS ETO 15	Basic License One Time Charge-alternative Growth Opportunity Processor Based Charges
S018214	IMS DB Mgr 15	Basic License One Time Charge-alternative Growth Opportunity Processor Based Charges

### ***IBM Z Entry License Charge (zELC)***

IBM Z Entry License Charge (zELC) basic license

To order zELC software, specify the program number and machine model.

**Program name: IMS 15**

**Program PID: 5635-A06**

<b>Entitlement ID</b>	<b>Description</b>	<b>License Option/Pricing Metric</b>
S018211	IMS TM 15	Basic License Monthly Charge zSeries Entry License Charge
S018212	IMS ETO 15	Basic License Monthly Charge zSeries Entry License Charge
S018214	IMS DB Mgr 15	Basic License Monthly Charge zSeries Entry License Charge
S018211	IMS TM 15	Basic License One Time Charge-alternative zSeries Entry License Charge
S018212	IMS ETO 15	Basic License One Time Charge-alternative zSeries Entry License Charge
S018214	IMS DB Mgr 15	Basic License One Time Charge-alternative zSeries Entry License Charge

**Program name: IMS Transaction Manager Value Unit Edition 15**

**Program PID: 5655-TM4**

<b>Entitlement ID</b>	<b>Description</b>	<b>License Option/Pricing Metric</b>
S0187DS	IMS ETO VUE 15	MultiVersion Measurement No Charge Value Units Qty 1
S0187DS	IMS ETO VUE 15	On Off Cap on demand Temporary Use Charge MSU-DAY(s) Qty 1
S0187DS	IMS ETO VUE 15	Use-Based License One-Time Charge Value Units Qty 1
S0187DT	IIMS TM VUE 15	MultiVersion Measurement No Charge Value Units Qty 1
S0187DT	IMS TM VUE 15	On Off Cap on demand Temporary Use Charge MSU-DAY(s) Qty 1
S0187DT	IMS TM VUE 15	Use-Based License One-Time Charge Value Units Qty 1

**Subscription and Support PID: 5655-TMS**

<b>Entitlement ID</b>	<b>Description</b>	<b>License Option/Pricing Metric</b>
S017K13	IMS Transaction Manager VUE Subscription & Support	Decline Subscribe and Suppt. No Charge Base with Qty 0
S017K13	IMS Transaction Manager VUE Subscription & Support	MultiVersion Measurement S&S No Charge Value Units Qty 1
S017K13	IMS Transaction Manager VUE Subscription & Support	SW Subs and Sup Rgst No Charge MSU-DAY(s) Qty 1
S017K13	IMS Transaction Manager VUE Subscription & Support	SW Subscription and Support Annual Support Charge Value Un Qty 1
S017K13	IMS Transaction Manager VUE Subscription & Support	SW Subscription and Support Monthly Support Charge Value U Qty 1
S017K45	IMS Extended Terminal Option VUE Subscription & Support	Decline Subscribe and Suppt. No Charge Base with Qty 0

<b>Entitlement ID</b>	<b>Description</b>	<b>License Option/Pricing Metric</b>
S017K45	IMS Extended Terminal Option VUE Subscription & Support	MultiVersion Measurement S&S No Charge Value Units Qty 1
S017K45	IMS Extended Terminal Option VUE Subscription & Support	SW Subs and Sup Rgst No Charge Per MSU Qty 1
S017K45	IMS Extended Terminal Option VUE Subscription & Support	SW Subscription and Support Annual Support Charge Value Un Qty 1
S017K45	IMS Extended Terminal Option VUE Subscription & Support	SW Subscription and Support Monthly Support Charge Value U Qty 1

**Program name: IBM IMS Database Value Unit Edition 15**

**Program PID: 5655-DS5**

<b>Entitlement ID</b>	<b>Description</b>	<b>License Option/Pricing Metric</b>
S017XHH	IMS Database Value Unit Ed 15	MultiVersion Measurement No Charge Value Units Qty 1
S017XHH	IMS Database Value Unit Ed 15	On Off Cap on demand Temporary Use Charge MSU-DAY(s) Qty 1
S017XHH	IIMS Database Value Unit Ed 15	Use-Based License One-Time Charge Value Units Qty 1

**Subscription and Support PID: 5655-DSR**

<b>Entitlement ID</b>	<b>Description</b>	<b>License Option/Pricing Metric</b>
S017864	IMS Database Value Unit Edition Subscription & Support	Decline Subscribe and Suppt. No Charge Base with Qty 0
S017864	IMS Database Value Unit Edition Subscription & Support	MultiVersion Measurement S&S No Charge Value Units Qty 1
S017864	IMS Database Value Unit Edition Subscription & Support	SW Subs and Sup Rgst No Charge MSU-DAY(s) Qty 1
S017864	IMS Database Value Unit Edition Subscription & Support	SW Subscription and Support Annual Support Charge Value Un Qty 1
S017864	IMS Database Value Unit Edition Subscription & Support	SW Subscription and Support Monthly Support Charge Value U Qty 1

**Basic machine-readable material**

<b>Orderable Supply ID</b>	<b>Language</b>	<b>Description</b>
S018HBL	US English	IBM Information Management System DataBase Manager 15.3
S018HBN	US English	IBM Information Management System Transaction Manager 15.3
S018HBM	US English	IBM Information Management System Extended Terminal Option 15.3

IBM recommends internet delivery. However, if you still require physical media, you can choose DVD.

## **Publications**

IMS 15 documentation is published in [IBM Documentation](#) that can be viewed from a web browser.

The following softcopy publications are available in PDF file format to download from [IBM Documentation](#).

<b>Title</b>	<b>Order number</b>
IBM IMS 15.3 Program Directory	GI13-4614-04
IBM IMS 15.3 DB VUE Program Directory	GI13-4692-03
IBM IMS 15.3 TM and ETO VUE Program Directory	GI13-4690-02

Subsequent updates (technical newsletters or revisions between releases) to the publications shipped with the product will be distributed to the user of record for as long as a license for this software remains in effect. A separate publication order or subscription is not needed.

## **Customized Offerings**

Product deliverables are shipped only through CBPDO and ServerPac. These customized offerings are offered for internet delivery from Shopz. For more details on internet delivery, go to the Help section on the [Shopz](#) website.

IBM recommends internet delivery. However, if you still require physical media, you can choose DVD.

Many products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered through CBPDO and ServerPac on the planned availability date. Many products will also be orderable in a ServerPac without also having to order the z/OS operating system or subsystem.

Shopz and CFSW will determine the eligibility based on product requisite checking. For more details on the ServerPac, go to the Help section on the [Shopz](#) website.

Production of software product orders will begin on the planned availability date.

- CBPDO shipments will begin within 3 business days after the planned availability date.
- ServerPac availability and shipments will begin within 3 - 4 weeks after the planned availability date due to additional customization and data input verification.

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## **Terms and conditions**

### **Terms and conditions for ICA or CRA offerings**

#### **Agreement**

IBM Client Relationship Agreement (CRA) or IBM Customer Agreement (ICA)

#### **Support lifecycle policy**

##### **Program technical support**

##### **Continuous delivery (CD) support**

Technical support of a program product version or release will be available for a minimum of two years from the planned availability date, as long as your Software Subscription and Support is in effect.

This technical support lets you obtain assistance (by telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product. Software Subscription and Support also provides

you with access to versions, releases, and updates (CD releases, Long Term Support Releases or fixes) of the program.

You will be notified, through an announcement letter, of discontinuance of support with 14 -months' notice.

If you require additional technical support from IBM, including an extension of support beyond the discontinuance date, contact your IBM representative or IBM Business Partner. This extension may be available for a fee.

For additional information about the CD support lifecycle policy, see the [IBM Continuous Delivery Support Lifecycle Policy](#) web page.

***Variable charges apply***

Yes

***Location license applies***

No

***Use limitation applies***

No

***Educational allowance available***

Yes, 15% education allowance applies to qualified education institution clients.

***Volume orders***

Not applicable.

***Multi-Version Measurement***

Multi-Version Measurement (MVM) sub-capacity charges for the most recent program version are for the combined concurrent peak utilization of the LPARs where any version of the eligible program is used. MVM full capacity charges for the most recent program version are for the full capacity of the machine. Program charges are waived for any older eligible versions. MVM does not extend support dates for programs withdrawn from service.

***Warranty applies***

No

***IBM Technology Support Services - Support Line for IBM Z***

Yes

For operating system software, the revised IBM Technology Support Services - Support Line for IBM Z offering provides usage and how-to support for those operating systems and associated products.

This can ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, see the [Supported Product List](#) website.

Installation and technical support is provided by IBM Systems Services. For more information, see the [IBM Enterprise Support and Preferred Care options for IBM Z](#) website.

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage<sup>(R)</sup> Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

## Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.

## Software Maintenance

The following agreement applies for Software Subscription and Support (Software Maintenance) and does not require client signatures:

- IBM Agreement for Acquisition of Software Maintenance (Z125-6011)

These programs are licensed under the IBM International Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

IBM Technology Support Services - Support Line for IBM Z is an option if you desire added services.

## License Information number

The following License Information documents apply to the offerings in this announcement:

Program identifier	License Information document title	License Information document number
5655-DS5	IBM Information Management System Database Value Unit Edition 15.3	<a href="#">L-CWDG-CDNHK3</a>
5655-TM4	IBM Information Management System Transaction Manager Value Unit Edition 15.3	<a href="#">L-CWDG-CDNH7H</a>
5655-TM4	IMS Extended Terminal Option Value Unit Edition 15.3	<a href="#">L-CWDG-CDNHNY</a>

Follow-on releases, if any, may have updated terms. See the [License Information documents](#) website for more information.

## Limited warranty applies

Yes

## Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information about known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, see the [IBM Support Guide](#).

IBM will maintain this information for at least one year after the original licensee acquires the program (warranty period).

### **Program technical support**

Technical support enables you to obtain assistance (by telephone or electronic means) from IBM for product-specific, task-oriented questions regarding the installation and operation of the program product as long as your Software Subscription and Support (also referred to as Software Maintenance) is in effect. Software Subscription and Support (Software Maintenance) also provides you with access to versions, releases, and updates (CD releases, LTSRs, or fixes) of the program. You will be notified, through an announcement letter, of discontinuance of support with 12 months' notice.

Information Management System 15.3 is available as a CD release. IBM will investigate defects on any supported level. Defect fixes are provided for a CD release for 12 months from the planned availability date or while it remains one of the two most recent CD releases, whichever is longer.

For additional information about the IBM Software Support Lifecycle Policy, see the [IBM Software Support Lifecycle Policy](#) website. If you require additional technical support from IBM, contact your IBM representative or IBM Business Partner. An extension of support beyond the discontinuance date might be available for a fee.

### **Money-back guarantee**

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

### **Passport Advantage applies**

No

### **Software Subscription and Support applies**

Yes. During the Software Subscription and Support period, for the unmodified portion of a program, and to the extent problems can be recreated in the specified operating environment, IBM will provide the following:

- Defect correction information, a restriction, or a bypass.
- Program updates: Periodic releases of collections of code corrections, fixes, functional enhancements and new versions and releases to the program and documentation.
- Technical assistance: A reasonable amount of remote assistance by telephone or electronically to address suspected program defects. Technical assistance is available from the IBM support center in the organization's geography.

Additional details regarding Technical Assistance, which includes IBM contact information, are provided in the [IBM Support Guide](#).

Software Subscription and Support does not include assistance for:

- The design and development of applications.
- Your use of programs in other than their specified operating environment.



- Failures caused by products for which IBM is not responsible under the IBM Agreement for Acquisition of Software Maintenance.

Software Subscription and Support is provided only if the program is within its support timeframe as specified in the Software Support Lifecycle policy for the program.

For operating system software, the revised IBM Technology Support Services - Support Line for IBM Z offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, go to the [Supported product list](#) website.

### **IBM Technology Support Services - Support Line for IBM Z**

Yes

#### **Variable charges apply**

No

#### **Educational allowance available**

Yes. A 15% education allowance applies to qualified education institution clients.

### **Multi-Version Measurement**

Multi-Version Measurement (MVM) replaces the previously announced Migration Grace Period time limit of six months and allows unlimited time for clients to run more than one eligible version of a software program. Clients may run multiple versions of a program simultaneously for an unlimited duration during a program version upgrade. Clients may also choose to run multiple versions of a program simultaneously for an unlimited duration in a production environment. MVM does not extend support dates for programs withdrawn from service.

### **Sub-capacity terms and conditions**

For each IBM Z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the required license capacity. Your required license capacity is based upon the following factors:

- The IBM Z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

For more information about the Value Unit Exhibit for the IBM Z IPLA program you selected, see the [Ordering information](#) section.

<b>Program number</b>	<b>Program name</b>	<b>Terms</b>
5655-DS5	IBM Information Management System Database Value Unit Edition 15.3	Execution-based
5655-TM4	IBM Information Management System Transaction Manager Value Unit Edition 15.3	Execution-based

Program number	Program name	Terms
5655-TM4	IMS Extended Terminal Option Value Unit Edition 15.3	Execution-based

### Full-capacity mainframes

In cases where full capacity is applicable, the following terms apply.

Execution-based, z/OS-based, full machine-based: The required capacity of an IBM Z IPLA program with these terms equals the MSU-rated capacity of the machines where the IBM Z IPLA program executes.

For more information about mainframe MSU-rated capacities, see the [IBM Mainframe Exhibit](#) web page.

Reference-based: The required license capacity of an IBM Z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the *parent program*.

### Sub-capacity mainframes

In cases where sub-capacity is applicable, the following terms apply.

Execution-based: The required capacity of an IBM Z IPLA sub-capacity program with these terms equals the capacity of the LPARs where the IBM Z IPLA program executes.

z/OS-based: The required license capacity of an IBM Z IPLA program with these terms equals the license capacity of z/OS on the machines where the IBM Z IPLA program executes.

Reference-based: The required license capacity of an IBM Z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the *parent program*.

Full machine-based: The required license capacity of an IBM Z IPLA program with full machine-based terms equals the MSU-rated capacity of the machines where the IBM Z IPLA program executes.

For more information about mainframe MSU-rated capacities, see the *IBM z Systems<sup>(R)</sup> Machines Exhibit*, Z125-3901, or see the [IBM Mainframe Exhibit](#) web page.

IBM Z IPLA sub-capacity programs with reference-based terms add value to the parent program across the environment, regardless of where in the environment the IBM Z IPLA program executes.

An environment is defined as either a single or stand-alone machine or a qualified Parallel Sysplex. You may have one or more different environments across the enterprise. To determine the required license capacity for each IBM Z IPLA program with referenced-based terms, each environment should be assessed separately.

When an IBM Z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the IBM Z IPLA program must equal the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to one where MLC pricing is aggregated across the sysplex.

### Sub-capacity eligibility

To be eligible for sub-capacity charging on select IBM Z IPLA programs, you must first implement and comply with all terms of one of the following:

- Sub-capacity Workload License Charges (WLC)
- Sub-capacity Entry Workload License Charges (EWLC)

- Sub-capacity Advanced Workload License Charges (AWLC)
- Sub-capacity Advanced Entry Workload License Charges (AEWLC)

To implement sub-capacity WLC, EWLC, AWLC, or AEWLC, a machine must be an IBM Z (or equivalent). On that machine:

- All instances of the OS/390<sup>(R)</sup> operating system must be migrated to the z/OS operating system.
- Any licenses for the OS/390 operating system must be discontinued.
- All instances of the z/OS operating systems must be running in z/Architecture (64-bit) mode.

For that machine, you must create and submit a Sub-Capacity Report to IBM each month. Sub-Capacity Reports must be generated using the Sub-Capacity Reporting Tool (SCRT). For additional information or to obtain a copy of SCRT, go to the [IBM Z software pricing tools](#) web page.

You must comply with all of the terms of the WLC or EWLC offering, whichever is applicable:

- The complete terms and conditions of sub-capacity WLC are defined in the *IBM Customer Agreement - Attachment for z Systems Workload License Charges*.

(Z125-6516).

- The complete terms and conditions for sub-capacity EWLC are defined in the *IBM Customer Agreement - Attachment for EWLC, TWLC, zELC, and z/OS.e License Charges*.

(Z125-6587).

You must comply with all of the terms of the AWLC or AEWLC offering, whichever is applicable:

- The complete terms and conditions for AWLC are defined in the *IBM Customer Agreement - Attachment for IBM System z<sup>(R)</sup> Advanced Workload License Charges* (Z125-8538).
- The complete terms and conditions for AEWLC are defined in the *IBM Customer Agreement - Attachment for IBM System z Advanced Entry Workload License Charges* (Z125-8755).

Additionally, you must sign and comply with the terms and conditions specified in the amendment to the IPLA contract - *IBM Amendment for IBM System z Programs Sub-Capacity Pricing*.

(Z125-6929).

Once the amendment is signed, the terms in the amendment replace any and all previous IBM Z IPLA sub-capacity terms and conditions.

### **Sub-capacity terms and conditions**

IBM Getting Started Sub-capacity Pricing for z/OS IPLA Software applies.

### **Sub-capacity utilization determination**

#### **On/Off CoD**

To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Attachment for IBM System z On/Off Capacity on Demand (Z125-7883) must be signed prior to use.

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## **Statement of good security practices**

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IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

**Important:** IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

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## Prices

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For all local prices, contact your IBM representative or IBM Business Partner.

### Program name: Information Management System 15

#### Program PID: 5635-A06

Entitlement ID	Description	License Option/Pricing Metric
S018211	MS Transaction Manager 15	Basic, MLC, GOLC
S018212	IMS Extended Terminal Option 15	Basic, MLC, GOLC
S018214	IMS Database Manager 15	Basic, MLC, GOLC
Entitlement ID	Description	License Option/Pricing Metric
S018211	IMS Transaction Manager 15	Basic MLC, zELC
S018212	IMS Extended Terminal Option 15	Basic MLC, zELC
S018214	IMS Database Manager 15	Basic MLC, zELC

z800 models

0A1  
0B1  
0C1  
001  
0A2  
002  
003  
004

Element Identifier	Description	Licensing option/Pricing metric
S018211	IMS Transaction Manager 15	Basic MLC, AWLC
S018212	IMS Extended Terminal Option 15	Basic MLC, AWLC
S018214	IMS Database Manager 15	Basic MLC, AWLC
Entitlement ID	Description	License Option/Pricing Metric
S018211	IMS Transaction Manager 15	Basic MLC, CMLC
S018212	IMS Extended Terminal Option 15	Basic MLC, CMLC

Entitlement ID	Description	License Option/Pricing Metric
S018214	IMS Database Manager 15	Basic MLC, CMLC
Entitlement ID	Description	License Option/Pricing Metric
S018211	IMS Transaction Manager 15	Basic MLC, AEWLC
S018212	IMS Extended Terminal Option 15	Basic MLC, AEWLC
S018214	MS Database Manager 15	Basic MLC, AEWLC
Entitlement ID	Description	License Option/Pricing Metric
S018211	MS Transaction Manager 15	Basic MLC, VWLC
S018212	IMS Extended Terminal Option 15	Basic MLC, VWLC
S018214	IMS Database Manager 15	Basic MLC, VWLC

### Sub-capacity charges for AWLC, AEWLC, CMLC, zNALC, VWLC, EWLC, and MWLC products

Sub-capacity charges for eligible products are based on product LPAR utilization capacity. Product LPAR utilization capacity for a sub-capacity product is the highest number of MSUs utilized by the combined LPARs in which the product runs concurrently during a reporting period. The number of MSUs is based on the highest observed rolling 4-hour average utilization used by the combination of the relevant LPARs during the reporting period.

### Sub-capacity charges terms and conditions

IBM Z software charges at less than full machine capacity for eligible sub-capacity products apply when z/OS, z/TPF, or z/VSE<sup>(R)</sup> is running in z/Architecture (64-bit) mode on an IBM Z, no other MVS-based, TPF-based, or VSE-based operating system respectively is licensed to that server, and the required information is provided by the client in accordance with the applicable terms.

Sub-capacity charges for a sub-capacity product are based on the utilization of the LPARs where/when the product executes. To obtain charges at less than full machine capacity for sub-capacity products, the client is required to:

- Sign and abide by the terms of one of the following:
  - Attachment for IBM System z Advanced Workload License Charges (Z125-8538)
  - Attachment for IBM System z Advanced Entry Workload License Charges (Z125-8755)
  - Attachment for IBM Country Multiplex Pricing (Z126-6965)
  - Attachment for zNALC License Charges on IBM System z (Z125-7454)
  - Attachment for IBM System z Workload License Charges (Z125-6516)
  - Attachment for EWLC, TWLC, zELC, and z/OS.e License Charges (Z125-6587)
  - Attachment for IBM System z Midrange Workload License Charges (Z125-7452)
- Required service will be listed on the [IBM Z software pricing](#) website.
- Collect SMF or SCRT89 data as required by the Sub-Capacity Reporting Tool. Retain the collected data for a period of not less than six months.
- Use the IBM provided Sub-Capacity Reporting Tool to process the collected SMF or SCRT89 data. The Sub-Capacity Report produced by the tool is used to determine required license capacity for the sub-capacity products. Required license capacity is determined based on the largest MSU value of a sub-capacity product running concurrently in all LPARs during the reporting period. IBM reserves the right to request the system data that supports these product-defined capacity values for a period of up to six months after the data was collected.

- Provide an initial Sub-Capacity Report to begin to receive the benefits of less than full machine capacity charges. Sub-capacity charging will follow submission of a Sub-Capacity Report. There will be no retroactive application of sub-capacity charges.
- Submit Sub-Capacity Reports monthly between the second and ninth day of the month after the reporting period.
- Submit Sub-Capacity Reports for all sub-capacity products with complete data for the entire reporting period through the method specified on the [IBM Z software pricing](#) website.

Sub-Capacity Reports that reflect a changed product defined capacity will be considered to be orders placed by the client without further action on the client's part, and IBM is authorized to make any resulting billing increase or decrease, including the ordering of any necessary new licenses. To discontinue licenses, move licenses between machines, report a hardware model upgrade, or enable or disable product features, the client must contact IBM or their IBM Business Partner.

- Configure the machine to send weekly Transmit System Availability Data (TSAD) to IBM through the IBM Z Remote Support Facility (RSF). If the machine cannot connect through the RSF, provide this TSAD through an alternate means documented in the *SCRT Users Guide* (SG24-6522) publication on the [IBM Z software pricing](#) website.

#### Entry Workload License Charge (EWLC):

Entitlement ID	Description	License Option/Pricing Metric
S018211	IMS Database Manager 15	Basic MLC, Entry WLC
S018212	IMS Extended Terminal Option 15	Basic MLC, Entry WLC
S018214	IMS Database Manager 15	Basic MLC, Entry WLC

Entitlement identifier	Description	License option/ Pricing metric
S018211	IMS TM 15	Basic License Monthly Charge Usage License Charge (Non-Cumulative) up to 0.5 MSU
S018212	IMS ETO 15	Basic License Monthly Charge Usage License Charge (Non-Cumulative) up to 0.5 MSU
S018214	IMS DB Mgr 15	Basic License Monthly Charge Usage License Charge (Non-Cumulative) up to 0.5 MSU
S018211	IMS TM 15	Basic License Monthly Charge Usage License Charge Measured Usage above 0.5 MSU
S018212	IMS ETO 15	Basic License Monthly Charge Usage License Charge Measured Usage above 0.5 MSU
S018214	IMS DB Mgr 15	Basic License Monthly Charge Usage License Charge Measured Usage above 0.5 MSU

#### OTC:

Clients who pay a OTC for a licensed program receive enhancements and future releases, if any, at no additional charge. Significant new function may be offered as an optional feature and charged for separately.

#### Variable charges:

The applicable processor-based will be based on the group of the designated machine on which the licensed program is licensed for use. If the program is designated to a processor in a group for which no charge is listed, the charge of the next higher group listed applies.

For additional product information, see

- Software Announcement [LP17-0489](#), dated October 3, 2017
- Software Announcement

## **IBM Global Financing**

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## **Regional availability**

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Argentina, Belize, Plurinational State of Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Uruguay, and Bolivarian Republic of Venezuela

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