IBM Enterprise COBOL for z/OS, V6.1 delivers new and enhanced COBOL statements for added function and flexibility

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At a glance

IBM® Enterprise COBOL for z/OS®(R), V6.1 exploits the capabilities of IBM z/Architecture® and continues to add the following new features and enhancements:

- The compiler internals are enhanced so that you can compile your large programs.
- New and changed COBOL statements are included to provide you with additional functions.
- New and changed compiler options are implemented to provide you with added flexibility.
- The ARCH compiler option allows you to exploit and tune your code to run on your choice of z/Architecture levels of the z/OS platform.
- The OPTIMIZE compiler option allows you to select from multiple levels of increasing optimization for your code.
- Support for the latest middleware includes IBM CICS®, IBM DB2®, and IBM IMS™.

For ordering, contact your IBM representative or IBM Business Partner. For more information, contact the Americas Call Centers at: 800-IBM-CALL (426-2255).
Reference: ME001

Overview

IBM Enterprise COBOL for z/OS is a leading-edge, z/OS-based compiler that helps you create and maintain mission-critical, line-of-business COBOL applications to execute on your z/OS systems. Enterprise COBOL for z/OS continues to give you access to CICS, DB2, IMS, and other transactional and data systems.

Over the course of multiple releases, Enterprise COBOL for z/OS offered new and enhanced functions to provide you with the tools needed to modernize and maintain applications to meet your critical business needs. The following are some of the new and improved features delivered within this release:

- Added increased compiler capacity so you can compile large programs
- Support for generation of JSON texts
- New and changed COBOL statements for increased functionality
- New and changed COBOL options for increased flexibility
• Changed application programming interfaces (APIs) in the Language Environment® (LE) vendor interface
• Performance tuning for a number of COBOL statements

Enterprise COBOL for z/OS, V6.1 advances the IBM commitment to the COBOL programming language on the z/OS platform through investment in new compiler technology and the continued delivery of new features, many of them that are requested by clients. With Enterprise COBOL for z/OS, V6.1, you gain the benefit of new investment that is combined with more than 50 years of IBM experience in compiler development.

Key prerequisites

Enterprise COBOL for z/OS V6.1 requires z/OS V2.1 (5650-ZOS), or later.

For additional details, refer to the Software requirements section.

Planned availability date

March 18, 2016

Description

Enterprise COBOL for z/OS V6.1 incorporates leading-edge code generation and optimization technology to maximize hardware utilization, and help improve application performance. Version 6.1 delivers new COBOL statements, new and changed compiler options, and changed APIs while adding capacity and performance improvements.

Capacity improvements

The capacity of the compiler internals are expanded to allow for the compilation and optimization of large programs. You can now use Version 6.1 to compile much larger programs that include COBOL programs that are created by code generators.

New COBOL statements

• ALLOCATE statement
  The ALLOCATE statement obtains dynamic storage.

• FREE statement
  The FREE statement releases dynamic storage previously obtained with an ALLOCATE statement

• JSON GENERATE statement
  The JSON GENERATE statement converts data to JSON format.

Changed COBOL statements

• Enhanced INITIALIZE to support the 2002 and 2014 COBOL standards
  The INITIALIZE statement sets selected categories of data fields to predetermined values. The INITIALIZE statement is functionally equivalent to one or more MOVE statements. New clauses from the 2002 and 2014 COBOL Standards are added as follows:
• WITH FILLER
• TO VALUE
• THEN TO DEFAULT

New COBOL options

• VSAMOPENFS(COMPAT|SUCC)
  This new compiler option allows you to change File Status=97 into File Status=00 for certain VSAM OPEN statements

• SUPPRESS|NOSUPPRESS
  This new compiler option enables or disables the SUPPRESS phrase of COPY statements

Changed COBOL options

• SSRANGE(ZLEN|NOZLEN)
  This new suboption for SSRANGE allows a 0-length reference modification

• ZONECHECK
  The diagnostic message for the ZONECHECK(MSG) compiler option is improved by adding the data item contents for the offending data item and also adding the program name of the program that contained the offending data item.

• ZONEDATA, New suboption, NOPFD, is added to the ZONEDATA compiler option. ZONEDATA(NOPFD) tells the compiler to generate code that performs comparisons of zoned decimal data in a manner similar to previous COBOL versions to help tolerate cases of invalid zoned decimal data.

Removed or replaced COBOL options

• Compile option LVLINFO has been removed and instead, IBM supplies the compiler build information. This build level information is placed in locations that previously held the following LVLINFO data:
  – Listing header
  – Signature information bytes
  – ADATA field called PTF Level

Changed application programming interfaces (APIs)

• LE Vendor Interface - IGZXAPI
  The IGZXAPI is enhanced with the new function code 8 to request information about a COBOL program's WORKING-STORAGE section.

Changed runtime behavior

WORKING-STORAGE section is acquired from HEAP storage, and is managed more efficiently by initializing it when the corresponding COBOL program is being called. The STORAGE run time option will affect the WORKING-STORAGE section. In previous versions, the WORKING-STORAGE section was initialized when the program object is being loaded, regardless of whether the COBOL program will actually be
called later. Also, sometimes WORKING-STORAGE was not acquired from HEAP, and in those cases the STORAGE option did not affect WORKING-STORAGE.

**Performance improvements**

- Reduced storage requirements and performance tuning is implemented in Table SORT.
- Performance tuning is done for INSPECT, UNSTRING, and SEARCH ALL

**Product positioning**

Enterprise COBOL is a premier, enterprise-class COBOL compiler for the z/OS system. It is a proven and reliable program.

- Delivers innovation for modernizing business-critical applications, programming features to increase programmer productivity.
- Bolsters the overall benefits of transactional and data systems such as CICS, IMS, and DB2.

New z Systems™ hardware has increasing complexity. Enterprise COBOL for z/OS, V6.1 delivers advanced compiler support to allow you to fully benefit from hardware advancements. With the introduction of the ARCH and OPTIMIZE compiler options, the Enterprise COBOL for z/OS compiler can now unleash the full power of IBM processors that are delivered in the various z Systems hardware models. COBOL programmers no longer need a deep understanding of z/Architecture to exploit leading-edge performance of new z Systems hardware. Developers only need to focus on the logic of the applications and let the compiler determine the best way to transform and optimize the code generation for the z Systems hardware on which the application will run.

With Enterprise COBOL for z/OS, V6.1, the return on your hardware and middleware investments is increased. With the implementation of advanced code generation and optimization technology, Enterprise COBOL for z/OS, V6.1 establishes a foundation for delivery of additional optimization features and exploitation of the z/Architecture.

With its enhanced capabilities, simplified programming, and increased programmer productivity, you can continue to use Enterprise COBOL for z/OS to modernize existing business-critical applications. Modernization enables the reuse of your proven business logic.

- Deliver new enhancements quicker, with less cost and lower risk.
- Add modern GUIs to business critical COBOL applications or extend them to work with web, cloud, or mobile infrastructures.
- Built on proven applications, there is no need for you to write from scratch.

With the investment in new compiler technology and the continued delivery of new features, many of them that were requested by clients, Enterprise COBOL for z/OS, V6.1 continues the IBM commitment to COBOL on z/OS. You gain the benefit of new investment combined with more than 50 years of IBM experience in compiler development.

**Hardware and software support services**

**SmoothStart/installation services**

IBM SmoothStart Services and Installation Services are not provided.

**Business Partner information**
If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to BP Attachment for Announcement Letter 216-059 for Business Partner information in this announcement. A PartnerWorld ID and password are required (use IBM ID).

### Program number

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<td>6.1.0</td>
<td>IBM Enterprise COBOL for z/OS, V6.1</td>
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</table>

### Technical information

#### Specified operating environment

**Hardware requirements**

Enterprise COBOL for z/OS, V6.1 will run on the following IBM z Systems™ servers:

- z13™ or z13s
- zEnterprise™ EC12 or zEnterprise BC12
- zEnterprise 196 or zEnterprise 114
- z10™ Enterprise Class or z10 Business Class
- z9™ Enterprise Class or z9 Business Class

**Software requirements**

Enterprise COBOL for z/OS, V6.1 runs under the control of, or in conjunction with, the currently supported releases of the following programs and their subsequent releases or their equivalents. For more information on the following programs listed that require program temporary fixes (PTFs), refer to the Program Directory and the preventive service planning (PSP) bucket.

- z/OS V2.1 (5650-ZOS), or later is required.
- For installation on z/OS, z/OS SMP/E is required.
- For customization during or after installation z/OS High Level Assembler is required.
- Enterprise COBOL XML PARSE statements in programs that are compiled with the XMLPARSE(XMLSS) compiler option require z/OS XML System Services V2.1.

**Optional licensed programs**

Depending on the functions used, one or more of the following programs may be required:

- IBM CICS Transaction Server (CICS TS) for z/OS, V5 (5655-Y04)
- CICS Transaction Server for z/OS Value Unit Edition V5 (5722-DFJ)
- CICS Transaction Server for z/OS, V4 (5655-S97)
- DB2 11 for z/OS (5615-DB2)
- DB2 11 for z/OS Value Unit Edition (5697-P43)
- DB2 10 for z/OS (5605-DB2)
- DB2 10 for z/OS Value Unit Edition (5697-P31)
- IMS V13 (5635-A04)
- IMS Transaction Manager Value Unit Edition V13 (5655-TM2)
- IMS Database Value Unit Edition V13 (5655-DSM)
- IMS V12 (5635-A03)
• IMS Transaction Manager Value Unit Edition V12 (5655-TM1)
• IMS Database Value Unit Edition V12 (5655-DSQ)
• IBM DFSORT element of z/OS V2 (5650-ZOS)
• IBM High Level Assembler/MVS and VM and VSE (5696-234)
• IBM 31-bit SDK for z/OS, Java™ Technology Edition V8.0 (5655-DGG)
• IBM 31-bit SDK for z/OS, Java Technology Edition V7.0 (5655-W43)
• IBM 31-bit SDK for z/OS, Java Technology Edition V6.0 (5655-R31)
• z/OS V2.1 Client Web Enablement Toolkit (5650-ZOS - APAR Number OA46575)
• IBM Debug Tool for z/OS, V13.1 (5655-Q10)
• IBM Fault Analyzer for z/OS, V13.1 (5655-Q11)
• IBM File Manager for z/OS, V13.1 (5655-Q12)
• IBM Application Performance Analyzer for z/OS, V13.1 (5655-Q09)
• IBM Rational® Developer for z Systems, V9.5 (5724-T07)
• COBOL Report Writer Release 4 (5798-DYR, 5798-DZX)
• Enterprise COBOL for z/OS, V5 (5655-W32)
• Enterprise COBOL for z/OS, V4 (5655-S71)
• Enterprise PL/I for z/OS, V4 (5655-W67)
• Enterprise PL/I for z/OS, V3 (5655-H31)
• For XL C/C++ with Enterprise COBOL: You must use the XL C/C++ feature of z/OS V2.1 (5650-ZOS), or later.
• IBM VS FORTRAN V2 (5668-806, 5688-087)

Enterprise COBOL for z/OS, V6.1 in this announcement is supported for use only with the announced and currently supported levels of IBM software in the previous list. Enterprise COBOL for z/OS, V6.1 should continue to work with certain earlier, unsupported IBM software products.

IBM will undertake to fix problems found by using Enterprise COBOL for z/OS, V6.1 in this announcement with the earlier mentioned, unsupported product levels. IBM must be able to reproduce the problem using a supported level of the same product. If the problem can be reproduced and fixed, the fix will be developed and tested using supported levels of IBM software. If a fix is made available, it is likely to work on the unsupported product level; however, IBM cannot guarantee that the fix will work with the unsupported product.

**Compatibility**

Enterprise COBOL for z/OS, V6.1 provides a high level of source compatibility, object compatibility, and runtime compatibility with earlier versions of IBM COBOL.

Enterprise COBOL V6.1 is source compatible with earlier versions of IBM COBOL. This means that the compiler will compile correct COBOL source programs that were developed using Enterprise COBOL V5, Enterprise COBOL V4, or earlier, with the exception of obsolete functions that were removed and the addition of new reserved words. The removed functions include obsolete COBOL language syntax and obsolete compiler options. Complete details on removed obsolete functions are documented in the Enterprise COBOL for z/OS Version 6.1 Migration Guide. IBM does not expect that many applications will be affected by the removed functions, which in practice are no longer heavily used. To assist in migration, a new compiler option FLAGMIG is added to Enterprise COBOL V4.2 through the service stream. This option delivers warning diagnostics to flag use of obsolete syntax and options in existing COBOL programs.

Enterprise COBOL V6.1 is object compatible with earlier versions of IBM COBOL, in that applications can be constructed by using a mixture of object modules that are compiled with Version 6.1 and those compiled with earlier versions. Both static calls (calls within a link-edited module) and dynamic calls (calls between programs link-edited as separate modules) can be used. The following are exceptions:
• Interoperation with object modules that are compiled with OS/VS COBOL (5740-CB1) is no longer supported.
• Interoperation with object modules that are compiled with VS COBOL II (5688-958) is limited to programs compiled with the RES compiler option. Interoperation with VS COBOL II programs that are compiled with the NORES option is no longer supported.

Enterprise COBOL V6.1 is runtime compatible with earlier versions of IBM COBOL. This means that COBOL programs using valid data will continue to produce the same runtime results after being recompiled with Enterprise COBOL for z/OS V6.1. A small number of exception cases are documented in the Enterprise COBOL for z/OS Version 6.1 Migration Guide.

User group requirements
The functions described in this announcement may address requirements from one or more of the worldwide user group communities. Groups include COMMON, COMMON Europe, Guide Share Europe (GSE), InterAction (Australia/New Zealand), Japan Guide Share (JGS), and SHARE Inc.

Planning information

Packaging
The Enterprise COBOL for z/OS, V6.1 package includes:

• Basic machine-readable material on the customer-selected distribution medium
• Program Directory (GI13-4526)
• Licensed Program Specifications (GI13-4532)

Security, auditability, and control
The announced program uses the security and auditability features of the host operating system software.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering information

Ordering z/OS through the Internet
Shopz provides an easy way to plan and order your z/OS ServerPac or CBPDO. 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 (including determination of whether all product requisites are satisfied). Shopz is available in the US, Canada, and several countries in Europe. In countries where Shopz is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order through the traditional IBM ordering process. For more details and availability, go to the Shopz website.

New licensees

• Orders for new licenses can be placed now.
• Registered customers 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.
• Orders entered after the planned availability date will be assigned a schedule
date for the week following order entry.

Shipment will begin on the planned availability date.

New users of Enterprise COBOL for z/OS, V6.1 should specify: Type: 5655 Model:
EC6

**Parallel Sysplex 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 (SYSUSREG NC) Identifier on the licenses.

<table>
<thead>
<tr>
<th>Entitlement identifier</th>
<th>Description</th>
<th>License option/Pricing metric</th>
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**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 (SYSUSREG NC) Identifier on the licenses.

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

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

Program name: Enterprise COBOL for z/OS, V6.1

Program PID: 5655-EC6

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**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.

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<th>Description</th>
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**Entry Workload License Charge (EWLC) Basic License**
To order a basic license, specify the program number and the quantity of MSUs.

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<td>Basic MLC, Entry WLC</td>
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**Growth opportunity license charge (GOLC)**

To order a basic license, specify the program number and the correct level.

Specify the GOLC monthly license option.

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**Country Multiplex Pricing Charge (CMPC)**

To order a basic license, specify the program number and the correct level.

Specify the CMPC monthly license option.

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**z Systems entry license charge (zELC)**

To order zELC software, specify the program number and z800 model.

Specify the zELC monthly license option.

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**Single version charging**

To elect single version charging, the customer must notify and identify to IBM the prior program and replacement program and the designated machine the programs are operating on.

**Basic machine-readable material**

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<td>Japanese</td>
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</table>

**Customization options**

Customization options are not applicable to this offering.

**Unlicensed documentation**

A Program Directory (GI13-4526) and Licensed Program Specification (GI13-4532) are supplied automatically with the basic machine-readable material. No other hardcopy publications are shipped with the product. 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.

**Single Version Charging**

To elect single version charging, you must notify and identify to IBM the prior program and replacement program, and the machine the programs are operating on.

SVC for qualified programs is offered for a period not to exceed 12 months from the date of the SVC fee waiver.

For migration from Enterprise COBOL for z/OS Version 4 (5655-S71) or before, to Enterprise COBOL for z/OS Version 5 (5655-W32) or from Enterprise COBOL for z/OS Version 4 (5655-S71) or before to Enterprise COBOL for z/OS Version 6 (5655-EC6) the SVC period is 18 months.

For all other migrations including migration from Enterprise COBOL for z/OS Version 5 (5655-W32) to Enterprise COBOL for z/OS Version 6 (5655-EC6), the SVC period remains at a period not to exceed 12 months."

**Customized Offerings**

Product deliverables are shipped only through CBPDO and ServerPac. These customized offerings are offered for Internet delivery in countries where Shopz product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, go to the Help section on the Shopz website.

You choose the delivery method when you order the software. IBM recommends Internet delivery. In addition to Internet and DVD, the supported tape delivery options include:

- 3590
- 3592

Most products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered through CBPDO and ServerPac at general availability. Many products will also be orderable in a Product 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 product ServerPac, go to the Help section on the Shopz website.

For additional information on the Product ServerPac option, refer to Software Announcement 212-272, dated July 31, 2012.

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

- CBPDO shipments will begin one week after general availability.
- ServerPac shipments will begin two weeks after general availability.

**Terms and conditions**

**Agreement**

IBM Customer Agreement

**Variable charges apply**
No

**Location license applies**

No

**Educational allowance available**

Yes, a 15% education allowance applies to qualified education institution customers.

**Volume orders**

Contact your IBM representative.

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<th>Replacement program number</th>
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**Warranty applies**

Yes
Licensed program materials availability

<table>
<thead>
<tr>
<th>Restricted Materials of IBM</th>
<th>Non-Restricted Source Materials</th>
<th>Object Code Only (OCO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>All</td>
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Program services

<table>
<thead>
<tr>
<th>Support item</th>
<th>Support details</th>
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</thead>
<tbody>
<tr>
<td>Support Center applies:</td>
<td>Yes</td>
</tr>
<tr>
<td>Access is available through the IBM Support Center</td>
<td></td>
</tr>
<tr>
<td>Available until discontinued:</td>
<td>12 months' written notice</td>
</tr>
<tr>
<td>IBM Corporation APAR Processing P.O. Box 49023 San Jose, CA 95161-9023</td>
<td></td>
</tr>
</tbody>
</table>

Statement of good security practices

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.

Prices

For additional information and current prices, contact your IBM representative.

**Growth Opportunity License Charge**

<table>
<thead>
<tr>
<th>Entitlement identifier</th>
<th>Description</th>
<th>License option/ Pricing metric</th>
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<tbody>
<tr>
<td>S017RBR</td>
<td>Enterprise COBOL for z/ OS V6</td>
<td>Basic MLC, GOLC</td>
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**z Systems Entry License Charge**

<table>
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<td>Enterprise COBOL for z/ OS V6</td>
<td>Basic MLC, zELC</td>
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**Parallel Sysplex License Charge**

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<td>Enterprise COBOL for z/ OS V6</td>
<td>Basic MLC, PSLC below 3 MSU Basic MLC, PSLC AD SYSUGREGL NC, PSLC AD</td>
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### Advanced Workload License Charge

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<tr>
<th>Entitlement identifier</th>
<th>Description</th>
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<tbody>
<tr>
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<td>Enterprise COBOL for z/OS V6</td>
<td>Basic MLC, AWLC</td>
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<tr>
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<td></td>
<td>Workload Registration No Charge, AWLC</td>
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### Advanced Entry Workload License Charge

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### Variable Workload License Charges

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<td>Basic MLC, Variable WLC</td>
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<tr>
<td></td>
<td></td>
<td>Workload Registration No Charge, Variable WLC</td>
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</tbody>
</table>

### Sub-capacity charges for VWLC products

Sub-capacity charges for VWLC products are based on product LPAR utilization capacity. Product LPAR utilization capacity for a VWLC product is the highest number of MSUs utilized by the combined LPARs in which a VWLC 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

z Systems software charges at less than full machine capacity for eligible VWLC products apply when z/OS is running in z/Architecture (64-bit) mode on an IBM z Systems 900, no other MVS-based operating system is licensed to that server, and the required information is provided by the customer in accordance with the applicable terms.

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

- Sign and abide by the terms of the Attachment for IBM z Systems Workload License Charges - (Z125-6516).
- Obtain the latest version of the Sub-Capacity Reporting Tool.
- Install any VWLC product and IBM e(logo)server z Systems 900 Licensed Internal Code (LIC) service required for sub-capacity charging. Required service will be listed on the z Systems Software Pricing website.
- Collect SMF data as required by the Sub-Capacity Reporting Tool. Retain the collected SMF data for a period of not less than six months.
- Use the IBM provided Sub-Capacity Reporting Tool to process the collected SMF data. The Sub-Capacity Report produced by the tool is used to determine required license capacity for the VWLC products. Required license capacity is determined based on the largest MSU value of a VWLC 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.
- Submit Sub-Capacity Reports for all VWLC products with complete data for the entire reporting period to the email address and by the date specified in the
current IBM z Systems Workload License Charges Exhibit (Z125-6324) and on the z Systems Software Pricing website.

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

- Configure the machine to send weekly Transmit System Availability Data (TSAD) to IBM via the IBM z Systems 900 Remote Support Facility (RSF). If the machine cannot connect via the RSF, provide this TSAD via an alternate means documented in the z/OS publication, Planning for Workload License Charges at the IBM z Systems Software Pricing website.

### Entry Workload License Charge (EWLC)

<table>
<thead>
<tr>
<th>Entitlement identifier</th>
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<tbody>
<tr>
<td>S017RBR</td>
<td>Enterprise COBOL for z/OS V6</td>
<td>Basic MLC, Entry WLC</td>
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### Country Multiplex Pricing Charges (CMPC)

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<tr>
<td>S017RBR</td>
<td>Enterprise COBOL for z/OS V6</td>
<td>Basic MLC, CLMC Workload Registration No Charge, CMLC</td>
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</table>

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Corrections

(Corrected on April 27, 2016)
The Technical information and Ordering information sections are revised.