IBM WebSphere Portal Enable for z/OS , V7.0 for exceptional personalized Web experiences

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At a glance

New features and capabilities in IBM® WebSphere® Portal Enable for z/OS®, V7.0 ease the ability to deliver aesthetically-pleasing, security rich, personalized Web experiences, coupled with the ability to rapidly create, target, and optimize content delivery to Web-based audiences via included IBM Lotus® Web Content Management V7.0. New and updated features:

- Enable organizations to quickly implement new business designs that are engaging and high performing
- Empower site designers to create portal pages using a broad array of components
- Better empower business users to contribute to, and manage, site content in real time
- Can invite other user contributions and participation via new social Web functions such as blogs, wikis, tagging, and ratings -- all without IT involvement and time-consuming site update cycles
- Provide high quality, high value content and in-demand capabilities, delivered in-context to the specific user's role, which can promote increased Web user loyalty, satisfaction, and efficiency

```
For ordering, contact Your IBM representative or an IBM Business Partner.
For more information contact the Americas Call Centers at
800-IBM-CALL (426-2255).

Reference: LE001
```

Overview

IBM WebSphere Portal Enable for z/OS, V7.0 helps organizations deliver an exceptional user experience, facilitating reuse of Web assets and existing IT assets, while also improving ease of deployment. It helps organizations create highly engaging, content-rich, differentiated Web experiences.

V7.0 includes an updated Page Builder feature enabling organizations to quickly implement new business designs that are engaging and performance rich. The Page Builder updates enable site designers to create portal pages using a broad array of components, including HTML and Web content, feeds, portlets, iWidgets, and elements derived from frameworks such as Flex and OpenSocial.

A key part of any successful Web application is the ability to rapidly create, target, and optimize content delivery to Web-based audiences. IBM Lotus Web Content Management V7.0, included with WebSphere Portal Enable for z/OS, is more

seamlessly integrated with WebSphere Portal Enable for z/OS, V7.0, so organizations can better empower business users to contribute to and manage site content in real time. Organizations can also invite other user contributions and participation via new social Web functions such as blogs, wikis, tagging, and ratings -- all without IT involvement and time-consuming site update cycles. High quality, high value content and in-demand capabilities, delivered in-context to the specific user's role, promote increased Web user loyalty, satisfaction, and efficiency.

Another important aspect of any Web application is its scalability, reliability, and overall performance. Recognizing that it is a constant endeavor within organizations to better analyze and continually tune Web applications for optimal performance, V7.0 of WebSphere Portal Enable adds platform support for Web analytics tools, providing organizations with real-time insight into their Portal's use, which allows IT to optimize information delivery to help improve business results.

In addition, V7.0 platform features and enhancements give organizations new flexibility to build and manage Web platforms, helping them drive more value from their IT investments. Updated administration capabilities make it easier to configure, tune and standardize installation accelerating time to deployment. V7.0 offers new advancements such as multiple deployment profile support, updated analytics support, new serviceability and capacity monitoring services, and in-place migration from earlier versions.

Key prerequisites

Any hardware that supports:

• z/OS V1.9, or later

For details, refer to the Software requirements and Hardware requirements sections.

Planned availability date

September 24, 2010

Description

IBM WebSphere Portal Enable for z/OS, V7.0 is an enterprise portal solution with the complete portal services necessary to deliver a single point of personalized interaction with applications, content, business processes, and people. The unified user experience can help you improve overall productivity and customer satisfaction. WebSphere Portal Enable for z/OS, V7.0 simplifies IT infrastructure by delivering a complete set of Web experience platform services:

• Framework services
• Integration services
• Content services

WebSphere Portal Enable for z/OS, V7.0 includes the latest WebSphere Portal V7.0 and Lotus Web Content Management V7.0 features and capabilities.

New WebSphere Portal V7.0 features

• IBM Universal Hub integration: Unified page presentation service enables the rendering of components developed with different tools and frameworks, such as portlets, iWidgets, feeds, HTML pages, and more.
• Blog and wiki templates: Easily add popular social features with out-of-the-box blog and wiki content templates.

- Tagging and rating: Easily empower users to organize and evaluate content using the tagging and rating feature within the Page Builder theme.
- Virtualization support: Full VMware support for replication of operating systems configured with WebSphere Portal.
- Multiple profile support: Speeds and simplifies administrator's ability to create a portal farm and clustered environment for increased scalability.
- Simplified migration: Moving from WebSphere Portal V6.1 to V7.0 is handled as an in-place software upgrade, eliminating lengthy migration efforts.
- Improvements:

    Enhanced analytics integration
    Updated configuration wizard
    More detailed error reporting and messages

New Lotus Web Content Management V7.0 features

- Improved creation and editing interface
- Enhanced authoring forms for easing content creation
- "Project" enhancements optimize publishing and change management activities
- Enhanced Web site analytics improves user behavior and user conversion rates
- New features such as tags and ratings, and improved blogs and wikis empower expertise of communities and end users
- New and enhanced Web site templates speed time-to-value
- Leverages the power of Lotus Symphony™ to simplify round-trip editing of Web site content
- Serviceability enhancements help improve cost of ownership

Lotus Web Content Management V7.0 key capabilities and benefits

Create

- Author multilingual Web site content with inline editing capabilities that includes text, documents, audio, video, blogs, wikis, comments, tags, and ratings
- Design your Web sites with prebuilt Web site templates, micro-sites, blogs and wikis templates, theme customizer, and industry specific templates
- Collaborate during content creation process with serial and parallel workflows, audit trails, and integration with Ephox EditLive! for track changes and comments
- Reuse existing content for integration with document management and Enterprise Content Management software; import from Microsoft® Word, ingest content directly from external repositories using Web Content Integrator, and utilize content retention and archival
- Generate platform independent content with dynamic content publishing and support for mobile content delivery

Target

- Customize your Web sites by leveraging templates and reusable content to target site visitors, utilize recommendation engine to publish related content, and assimilate related application data
- Personalize Web sites with groups and roles based content delivery, create personalization rules to publish content, and map site-visitor preferences to personalized content
- Deliver compliant content for multichannel delivery (for example, browser, mobile, print, XML, and RSS)

Optimize

- Discover and capture Web site visitor behavior with improved Web analytic support, create search engine optimized content
- Analyze data and log capture with Web-analytic vendors' solutions for Web site and content usage, and campaign effectiveness

- Leverage Web analytic reports to publish site visitor and content usage patterns and content

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

   http://www.ibm.com/able/product_accessibility/index.html

Value Unit-based pricing

Value Unit pricing for eligible IBM System z® IBM International Program License Agreement (IPLA) programs enables a lower cost of incremental growth and enterprise aggregation. Each System z IPLA product with Value Unit pricing has a single price per Value Unit and a conversion matrix, called Value Unit Exhibit, for converting from some designated measurement to Value Units. Most commonly, Millions of Service Units (MSUs) is the measurement designated by IBM to be converted to Value Units. Some other measurements are engines or messages. Since MSUs are the most common measurement, that measurement will be used for the remainder of this description.

Value Unit pricing offers price benefits for you. For each System 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**. Each of the various Value Unit Exhibits stipulate that the larger your required license capacity, the fewer Value Units per MSU you will need. Value Unit Exhibits are uniquely identified by a three digit code and referred to using the nomenclature VUExxx, where xxx is the three digit code.

Subsequent acquisitions of Value Unit priced programs offer additional price benefits. The quantity of each System z IPLA program that you have acquired is referred to as **entitled license capacity**. If you wish to grow your entitled license capacity for a System z IPLA program, the calculation to determine additional needed Value Units is based upon the number of Value Units already acquired.

For each System z IPLA program with Value Unit pricing, you should:

- Determine the required license capacity, in MSUs
- Aggregate the MSUs across the enterprise
- Convert the total MSUs to Value Units, using the applicable Value Unit Exhibit
- Multiply the price per Value Unit by the total number of Value Units to determine the total cost

To simplify conversion from the designated measurement to Value Units or vice-versa, use the Value Unit Converter Tool. For additional information or to obtain a copy of the Value Unit Converter Tool, visit the Value Unit Converter Tool Web site

   http://ibm.com/zseries/swprice/vuctool

Note that Value Units of a given product cannot be exchanged, interchanged, or aggregated with Value Units of another product.

To determine the required license capacity for the System z IPLA program you selected, refer to the Terms and conditions section.

Business Partner information

If you are a Direct Reseller - System Reseller acquiring products from IBM, you may link directly to Business Partner information for this announcement. A PartnerWorld® ID and password are required (use IBM ID).

   https://www.ibm.com/partnerworld/mem/sla.jsp?num=210-285

Program number

```
Program          Program
number           name

5655-W49          WebSphere Portal Enable for z/OS, V7.0
```

Product identification number

```
                  Subscription and
Program PID Number  Support PID Number

5655-W49          5655-K13
```

Offering Information

Product information is available via the Offering Information Web site

http://www.ibm.com/common/ssi

Publications

The Program Directory, GI13-1735-00, is available only via Custom Build Offering orders and via the WebSphere Portal documentation Web site

http://www.ibm.com/websphere/portal/library

The License Information Booklet is included with the distribution package as printed material. The document numbers are:

- License Information Booklet - GI13-1724-00
- Distributed License Information Booklet - GI13-1734-00

Additional publications are available via the WebSphere Portal documentation library Web site

http://www.ibm.com/websphere/portal/library

Technical information

Specified operating environment

Hardware requirements

Any hardware that supports:

- z/OS 1.9, or later

Development environment hardware:

- Refer to Software Announcement 210-259, dated August 31, 2010

Software requirements

- z/OS 1.9, or later

Additional software:

- DB2 Universal Database™ for z/OS V8.1 or V9.1 - PUT level 0912 with APAR UK50740, or later service level

- WebSphere Application Server for z/OS, V7.0.0.11, with APAR AM18125 with optional WebSphere Process Server V7.0.0.1

For the installation of remote components running on a distributed (non-z/OS) platform, refer to Software Announcement 210-259, dated August 31, 2010,

For the latest software requirements, visit

http://www.ibm.com/websphere/portal/library

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Performance considerations

A tuning guide for WebSphere Portal Enable for z/OS, V7.0 is available after program general availability at

http://www-01.ibm.com/software/genservers/portal/support/
Enter search word "tuning".

Planning information

Direct customer support

Direct customer support is provided by IBM Operational Support Services - SoftwareXcel. This fee service enhances your productivity by providing voice and electronic access into the IBM support organization. IBM Operational Support Services - SoftwareXcel helps answer questions pertaining to usage and suspected software defects for eligible products.

Installation and technical support is provided by Global Services. For more information call 800-IBM-4YOU (426-4968).

For technical support or assistance, contact your IBM representative or visit

http://www.ibm.com/support

Packaging

WebSphere Portal Enable for z/OS, V7.0 is distributed with the following components:

- Basic machine-readable material on 3480 tape cartridge uncompressed. Note: Additional media type selections (3480 compressed, 3490E, 3590, 3592) are available through Custom Build Offering orders. Included in the package are additional components on CD-ROM that complete the WebSphere Portal offering and are not intended for use on z/OS. Softcopy publications are also included.
- License Information Booklet (GI13-1724-00).
- Distributed License Information Booklet (GI13-1734-00).
- WebSphere Portal Enable for Windows® and Linux® x86 CDs (LK4T-3521-00).

WebSphere Portal Enable for z/OS, V7.0 media is only shipped via Customization Offerings (ServerPac, CBPDO). CFSW configurator and order entry for the Customization Offerings will be available beginning September 21, 2010.

Security, auditability, and control

WebSphere Portal Enable for z/OS, V7.0 uses the security and auditability features of z/OS. The customer is responsible for evaluation, selection, and implementation

of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of our lab-based, software services team and the business consulting, project management, and infrastructure expertise of our IBM Global Services team. Also, we extend our IBM Software Services reach through IBM Business Partners to provide an extensive portfolio of capabilities. Together, we provide the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services or to contact a Software Services sales specialist, visit

http://www.ibm.com/software/sw-services/

Ordering information

Charge metric

```
                 Part number or
Program name     PID number              Charge metric

WebSphere Portal  5655-W49               Value Unit
Enable for z/OS,
V7.0
```

If a customer desires additional licenses of WebSphere Portlet Factory Designer, the additional licenses must be ordered via Passport Advantage®, part number D0CTBLL for Linux for system z or part number D0CTDLL for other supported platforms.

The programs in this announcement all have Value Unit-Based pricing.

```
Program
number         Program Name       Value Unit Exhibit

5655-W49       WebSphere Portal   VUE007
               Enable for z/OS,
               V7.0
```

For each System 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 System z IPLA program you select

- The applicable Value Unit Exhibit

- The applicable terms

- Whether your current mainframes are full-capacity or sub-capacity

Value Unit exhibit VUE007

```
          MSUs      MSUs
          minimum   maximum   Value Units/MSU

Base        1         3        1
Tier A      4        45        0.45
Tier B     46       175        0.36
Tier C    176       315        0.27
Tier D    316        +         0.2
```

Value Units for mainframes without MSU ratings:

```
Hardware      Value Units/machine

MP3000 H30      6
MP3000 H50      8
MP3000 H70     12
ESL models      2
```

Ordering example

The total number of Value Units is calculated according to the following example.

If your required license capacity is 1,500 MSUs for your selected System z IPLA product, the applicable Value Units would be:

```
Translation from MSUs to Value Units

         MSUs    *  Value Units/MSU = Value Units
Base        3    *  1.00            =    3.00
Tier A     42    *   .45            =   18.90
Tier B    130    *   .36            =   46.80
Tier C    140    *   .27            =   37.80
Tier D  1,185    *   .20            =  237.00

Total   1,500                          343.50
```

When calculating the total number of Value Units, the sum is to be rounded up to the next integer.

Ordering z/OS through the Internet

ShopzSeries 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). ShopzSeries is available in the U.S. and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries Web site at

http://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp

Basic license

On/Off CoD

WebSphere Portal Enable for z/OS, V7.0 is eligible for On/Off CoD with a temporary use charge calculated based on MSUs per-day usage.

```
Program name WebSphere Portal Enable for z/OS, V7.0
Program PID  5655-W49

Entitlement                        License option/
identifier      Description        Pricing metric

 S016GZV        WebSphere Portal   Basic OTC, per MSU-day TUC
                Enable for z/OS,
                V7.0

Translation from MSUs to Value Units

          MSUs       Value Units/MSU

Base       1-3        1.00
Tier A     4-45        .45
Tier B    46-175       .36
Tier C   176-315       .27
Tier D    316+         .20
```

To order, specify the program product number and the appropriate license or charge option. Also, specify the desired distribution medium. To suppress shipment of media, select the license-only option in CFSW.

```
Program name: WebSphere Portal Enable for z/OS, V7.0
Program PID: 5655-W49

Entitlement                                 License option/
identifier    Description                   Pricing metric

S016GZV       WebSphere Portal Enable for   Basic OTC, per Value Unit
              z/OS, V7.0

Orderable supply ID    Language                 Distribution medium

S016GC8                MUL                      3590

Note: Additional media type selections (3480 compressed, 3490E, 3590, 3592) are
available with Custom Build Offering orders.

Subscription and Support PID: 5655-K13

Entitlement                                 License option/
identifier    Description                   Pricing metric

S00XCZS       WebSphere Portal              Basic ASC, per value unit SW S&S
              Enable for z/OS S&S           No charge, decline SW S&S
                                            Per MSU SW S&S registration

Orderable supply ID    Language                 Distribution medium

S00XD01                ENU                      Hardcopy pub
```

Subscription and Support

To receive voice technical support via telephone and future releases and versions
at no additional charge, Subscription and Support must be ordered. The capacity of
Subscription and Support (Value Units) must be the same as the capacity ordered
for the product licenses.

To order, specify the Subscription and Support program number (PID) referenced
above and the appropriate license or charge option.

IBM is also providing Subscription and Support for these products via a separately
purchased offering under the terms of the IBM International Agreement for
Acquisition of Software Maintenance. This offering:

• Includes and extends the support services provided in the base support to include
  technical support via telephone.
• Entitles you to future releases and versions, at no additional charge. Note that you
  are not entitled to new products.

When Subscription and Support is ordered, the charges will automatically renew
annually unless cancelled by you.

The combined effect of the IPLA license and the Agreement for Acquisition of
Software Maintenance gives you rights and support services comparable to those
under the traditional ICA S/390® and System z license or its equivalent. To ensure
that you continue to enjoy the level of support you are used to in the ICA business
model, you must order **both** the license for the program **and** the support for the
selected programs at the same Value Unit quantities.

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.

Customized Offerings

Product deliverables are shipped only via CBPDO, ServerPac, and SystemPac®.

CBPDO and ServerPac are offered for Internet delivery in countries where ShopzSeries 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, refer to the ShopzSeries help information at

   http://www.software.ibm.com/ShopzSeries

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 for CBPDO, ServerPac, and SystemPac, include:

- 3590
- 3592

Most products can be ordered in ServerPac and SystemPac the month following their availability on CBPDO. z/OS can be ordered via all three offerings at general availability. 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
- SystemPac shipments will begin four weeks after general availability due to additional customization, and data input verification.

Terms and conditions

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 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.

Agreement for Acquisition of Software Maintenance

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

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

These programs are licensed under the IBM 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 System z Operational Support Services - SoftwareXcel is an option if you desire added services.

License Information form number

The program's License Information will be available for review on the IBM Software License Agreement Web site

   http://www.ibm.com/software/sla/sladb.nsf

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 on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

   http://www.ibm.com/support/handbook

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

Program support

Enhanced support, called Subscription and Support, includes telephone assistance, as well as access to updates, releases, and versions of the program as long as support is in effect. You will be notified of discontinuance of support with 12 months' notice.

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.

Other terms

Volume orders (IVO)

No

IBM International Passport Advantage Agreement

Passport Advantage applies

No

Usage restriction

Yes. WebSphere Portal Enable for z/OS, V7.0 is accompanied by a full copy of the WebSphere Portal Enable, V7.0, with limited usage rights. The Portal Enable for z/OS license entitles you to use Portal Enable, V7.0 in order to run non-z/OS components

that belong to a WebSphere Portal Enable for z/OS installation, and to develop portlets for the Portal for z/OS system on a non-z/OS platform. License terms do not allow you to use Portal Enable, V7.0 to set up a separate Portal on another platform (other than z/OS) accessed directly by multiple end users.

If you wish to set up a Portal on another platform other than System z for access by multiple end users, you must purchase one or more licenses of WebSphere Portal Enable, V7.0.

If you purchase a Service and Support agreement for WebSphere Portal Enable for z/OS, you will also be entitled to register for support for the WebSphere Portal Enable component that is included in the WebSphere Portal Enable for z/OS, V7.0 package (refer to your IBM representative or IBM Business Partner for details). However, WebSphere Portal Enable V7.0 support is limited to the level of support provided to WebSphere Portal Enable for z/OS, V7.0 and does not include how to support nor does it include subscription to separately purchasable or subsequent versions of WebSphere Portal Enable V7.0 unless provided via a new release of WebSphere Portal Enable for z/OS.

If you have purchased a separate Support Line contract, you will be entitled to how to support for the program and all components.

Software Subscription and Support (Software Maintenance) applies

No. For operating system software, the revised IBM Operational Support Services - SoftwareXcel 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, visit

http://www.ibm.com/services/sl/products

IBM Operational Support Services - SoftwareXcel

No

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

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

Sub-capacity terms and conditions

For each System 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 System 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 on the Value Unit Exhibit for the System z IPLA program you selected, refer to the section.

```
Program                                          Parent,
number      Program name      Terms              if applicable

5655-W49    WebSphere Portal  Execution-based    NA
            Enable for z/OS,
            V7.0
```

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 a System z IPLA program with these terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, visit

http://www-1.ibm.com/servers/eserver/zseries/library/swpriceinfo/

Reference based: The required license capacity of a System 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 a System z IPLA sub-capacity program with these terms equals the capacity of the LPARs where the System z IPLA program executes.

z/OS based: The required license capacity of a System z IPLA program with these terms equals the license capacity of z/OS on the machines where the System z IPLA program executes.

Reference based: The required license capacity of a System 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 a System z IPLA program with full machine based terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, refer to *The IBM System z Machines Exhibit*, Z125-3901, or visit the Mainframes section of the System z Exhibits Web site

http://ibm.com/zseries/library/swpriceinfo/

For additional information for products with reference-based terms, System z IPLA sub-capacity programs with reference-based terms adds value to the parent program across the environment, regardless of where in the environment the System 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 System z IPLA program with referenced-based terms, each environment should be assessed separately.

When a System z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the System

z IPLA program must equal with 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 System z IPLA programs, you must first implement and comply with all terms of either sub-capacity Workload License Charges (WLC) or sub-capacity Entry Workload License Charges (EWLC). To implement sub-capacity WLC or EWLC, a machine must be System z (or equivalent). On that machine:

- All instances of the OS/390® operating system must be migrated to the z/OS operating systems.
- 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, visit the System z Software Pricing Web site

http://ibm.com/zseries/swprice

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 System z Workload License Charges (Z125-6516).
- The complete terms and conditions for sub-capacity EWLC are defined in the IBM Customer Agreement - Attachment for IBM System z 890 and 800 License Charges (Z125-6587).

Additionally, you must sign and comply with the terms and conditions specified in the amendment to the IPLA contract - *Amendment for IBM System z9® and System z Programs Sub-Capacity Pricing* (Z125-6929). Once the amendment is signed, the terms in the amendment replace any and all previous System z IPLA sub-capacity terms and conditions.

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

Sub-capacity utilization determination

Sub-capacity utilization is determined based on the product's own execution as reported to IBM in accordance with the requirements for reporting sub-capacity utilization for products.

On/Off Capacity on Demand (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.

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a Web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution

and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

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              for z/OS, V7.0            Basic OTC, per MSU-day TUC


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identifier    Description               Pricing metric
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