Country Multiplex Pricing (CMP), a new sub-capacity offering, enables more flexible deployment of workloads across all machines within a country

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Overview

CMP is a new sub-capacity offering that allows clients to use their z Systems™ capacity within a given country without the constraints of sysplex aggregation rules and many of the limitations of previous reporting methodologies. This is a new way of measuring and pricing sub-capacity program MSUs that allows for more flexible deployment and movement of workloads across all machines within a country. A Multiplex is the collection of all eligible IBM z Systems™ machines or sysplexes or both within a single country, measured as one machine for purposes of software sub-capacity reporting. An update to the Sub-Capacity Reporting Tool (SCRT), SCRT V23 R10.0, will be made available to generate a Multiplex report providing sub-capacity program utilization peaks across all machines in the Multiplex simultaneously, as opposed to separate peaks by machine, which is how SCRT works in a non-Multiplex environment.

CMP also simplifies the process for software migrations with a shift from Single Version Charging (SVC) and limited migration windows, to Multiplex Version Measurement (MVM) reporting where there are no time constraints. In addition, the cost of growth per-MSU for a given sub-capacity program is based on the total reported Multiplex MSUs, which means any given sub-capacity program has a single price point for growth in the country regardless of where the workload runs.

Shifting to CMP brings flexibility, simplicity, and growth going forward. Selecting this offering transitions a client's existing pricing structure to the new model, which includes the establishment of an MLC and MSU baseline for each program. Clients should contact their sales team to help understand how the requirements for CMP can be met.

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

Reference: LE001

Key prerequisites

In order to qualify for IBM z Systems Country Multiplex Pricing (CMP), clients must:

- Run z/OS(R) V1 (5694-A01), z/OS V2 (5650-ZOS), or z/TPF (5748-T15) operating systems, the eligible operating systems, on one or more eligible servers as

defined in the section **Determining eligibility for IBM z Systems Country Multiplex Pricing.**

- Agree to the terms in the Attachment for IBM Country Multiplex Pricing (Z126-6965).
- For existing sysplex clients, be in compliance with sysplex aggregation rules and have submitted a valid Sysplex Verification Package (SVP) within the last twelve months.
- Execute the transition process requirements as described in this announcement letter in the section **Transitioning to CMP.**
- Install and use the updated SCRT V23 R10.0, or later, on an IBM z Systems server according to the instructions and guidelines in the user guide. Starting with V23 R10.0 SCRT requires the IBM Runtime Environment, Java™ Technology Edition, Version 7.0, or later.
- Run SCRT for each sub-capacity reporting period and submit the resulting Multiplex report to IBM on a monthly basis.

Planned availability date

October 2, 2015

Description

CMP is a new sub-capacity offering that simplifies multiple aspects of prior sub-capacity pricing structures with the objective of creating a flexible, country-wide z Systems platform where clients can configure and balance workloads more easily with fewer constraints. When eligibility requirements are met, as described in this announcement, clients can transition to this offering at any time after the Multiplex planned availability date. The following sections describe in detail all requirements, the initial transition process, changes to prior rules and guidelines, as well as how MSU peak calculations and monthly billing work under CMP.

Determining eligibility for IBM z Systems Country Multiplex Pricing

- General eligibility

  Clients running eligible operating systems and hardware, either stand-alone machines or sysplexes, may implement CMP provided they satisfy all prerequisites and requirements as described in this announcement and in the Attachment for IBM Country Multiplex Pricing.

  For any questions regarding eligibility, please contact your sales representative.

- Service providers

  Clients acting as service providers, using z Systems software to host applications or infrastructure for a third party, may implement CMP only for eligible machines that are dedicated to a particular end-user client. Service providers implementing CMP may have one Multiplex (as defined below) per dedicated end-user client environment within a country. Multi-tenant (non-dedicated) machines or sysplexes are not eligible for CMP.

- Hardware eligibility

  A Multiplex will consist of all eligible machines owned or leased by an Enterprise within a country. An Enterprise is any legal entity and the subsidiaries it owns by more than 50%. For clients not acting as service providers, all machines with an eligible operating system within an Enterprise in a given country (including all Capacity Back Up (CBU) machines available to be used by these machines) must be included in the Multiplex when a client first implements this offering. Clients may have only one Multiplex per country and a Multiplex may not span country borders.

Machines eligible to be included in a new Multiplex cannot be older than two generations prior to the most recently available server at the time a client first implements a Multiplex. The most recent server at any given point in time will be considered generation N, and the prior two N-1 and N-2 respectively. At the time of this announcement, the servers eligible for Multiplex that encompass these generations include z13™ (generation N), zEC12 and zBC12 (generation N-1), and z196 and z114 (generation N-2) machine types 2964, 2827, 2828, 2817, and 2818, respectively.

Clients are not eligible for CMP until machines with eligible operating systems (along with any associated CBU machines) that are older than generation N-2 are upgraded, or that workload is transferred to eligible machines, or the older ineligible machines are converted to no longer run z/OS nor z/TPF software. Once a client establishes a Multiplex they may keep the machines originally included in their Multiplex indefinitely. Going forward, any machine to be added to an existing Multiplex must conform to the machine types that satisfy the generation N, N-1, and N-2 criteria at the time that machine is added.

The following types of servers will not be included in a Multiplex and will continue to be licensed, reported, and billed according to their applicable non-CMP terms:

– Cold Disaster Recovery (DR) machines that are not running any billable software
– Solution Edition machines
– Developer Discount machines
– Machines running only z/VSE$^{(R)}$, z/VM$^{(R)}$, or Linux™

- Operating system and software price metric eligibility

  Machines with z/OS or z/TPF workloads or both are eligible for CMP. Machines running both z/VSE and z/OS may participate in a Multiplex but only the z/OS portion of that machine will be priced under CMP terms. z/VSE workloads will continue to be reported and priced according to announced stand-alone billing metrics. Similarly, machines that contain both Solution Edition (SE) workloads and standard z/OS or z/TPF workloads are eligible to participate in CMP, but only the non-SE workloads will be priced under CMP, since Solution Editions are considered separately priced full-capacity workloads. Multiplex reports must exclude the SE workloads.

  While all existing pricing metrics for z/OS and z/TPF workloads are eligible to transition to CMP, there is a new pricing metric called Country Multiplex License Charges (CMLC) that will be used for all Multiplexes. In addition, a new Multiplex zNALC (MzNALC) metric will replace the original zNALC metric for use within a Multiplex. All sub-capacity eligible programs within a Multiplex must be priced according to CMLC or zNALC sub-capacity terms. Machines that are full capacity (such as PSLC) prior to CMP will be eligible for inclusion in a Multiplex but must transition to CMP sub-capacity terms. Clients still using the original NALC metric must adopt zNALC terms and conditions prior to the transition to CMP. Only the CMLC and MzNALC metrics will be supported on Multiplex machines for sub-capacity-eligible z/OS and z/TPF workloads.

  In the case of IPLA programs, sub-capacity terms are not required. Detailed terms and conditions for IPLA programs running on Multiplex machines are described in the **IPLA program terms in a Multiplex** section of this announcement letter.

- Programs that are not eligible for sub-capacity

  MLC charges for non-sub-capacity-eligible programs are calculated according to the announced pricing metric and terms for each given program. In the case of non-sub-capacity-eligible products that require the Fixed Workload License Charge (FWLC) or Tiered Workload License Charge (TWLC) metric and are installed on a zBC12 or z114 machine, they will use the appropriate TWLC metric

while the machine is part of a Multiplex. This will also be true for future follow-on machines announced as eligible for TWLC.

- Sysplex environments

    Clients with existing sysplexes that use sysplex aggregation pricing and are to become part of a Multiplex must be in compliance with announced sysplex rules prior to entering the Multiplex. Otherwise, the MLC Base will be calculated on a non-aggregated basis. Clients must have submitted a valid Sysplex Verification Package within the prior 12 months. Sysplex aggregation rules and related reporting requirements (SVP) are eliminated under CMP for clients who were sysplex compliant before entering CMP.

Country Multiplex License Charges (CMLC) and Multiplex zNALC (MzNALC) pricing metrics

Each CMLC-eligible and MzNALC-eligible software program has a monthly license charge based on a cumulative price structure with multiple levels. IBM is adding additional price metric tiers compared to previous metrics to provide additional price performance for growth under CMP.

CMLC and MzNALC metric tiers

Tier Level	MSUs
Base charge	Up to 3
Level 0	4 - 45
Level 1	46 - 175
Level 2	176 - 315
Level 3	316 - 575
Level 4	576 - 875
Level 5	876 - 1315
Level 6	1316 - 1975
Level 7	1976 - 2499
Level 8	2500 - 3499
Level 9	3500 - 4999
Level 10	5000 - 6999
Level 11	7000 - 9999
Level 12	10000 - 13999
Level 13	14000 or more

Sub-capacity reporting in a Multiplex

Sub-Capacity Reporting Tool (SCRT)

Clients are required to install and use SCRT V23 R10.0, or later, in order to take advantage of CMP. Starting with V23 R10.0 SCRT requires the IBM Runtime Environment, Java Technology Edition, Version 7.0, or later. The updated version of SCRT is similar to prior versions except that it will have the capability to measure the 4-hour rolling average across all machines in a Multiplex as opposed to per individual machine. The tool, along with an updated SCRT Users Guide, will be available for download on October 2, 2015, at

    http://ibm.com/systems/z/swprice/subcap/scrt/

The sub-capacity data capture requirements have also been modified for Multiplex reports compared to sub-capacity reports. No longer will a single "Percent Data Collected" figure be used for each operating system reported. In Multiplex reports, the missing data notifications will be more granular, identifying intervals when:

- LPARs have unmatched SMF 70 and SMF 89 records
- Active LPARs have no SMF nor SCRT89 records

- Machines have no SMF nor SCRT89 data from any LPAR

If any of these circumstances occur, the client will be required to explain the reason for the missing data when submitting their Multiplex report. Further details will be available in the SCRT Users Guide.

In addition, SCRT V23 R10.0 incorporates support for the following:

- Mobile Workload Pricing (MWP) for z/OS

  Additional information on MWP can be found in Software Announcement 214-223, dated May 6, 2014.

- z Systems Collocated Application Pricing (zCAP)

  Additional information on zCAP can be found in Software Announcement 215-174, dated April 7, 2015.

- Multiplex Version Measurement (MVM)

  For additional information on MVM, refer to the **Multiplex Version Measurement (MVM) replaces Single Version Charging (SVC)** section.

Measurement and reporting of sub-capacity MSU peaks across a Multiplex

For each sub-capacity-eligible program running on a machine within the Multiplex, the 4-hour-rolling-average (4HRA) MSU peak value for the reporting period is determined according to the following methodology:

- SCRT uses SMF 70 or z/TPF SCRT89 records to determine the 4HRA MSU value by LPAR for each hourly interval.
- SCRT uses SMF 89 or z/TPF SCRT89 records or NO89 data to identify the LPAR(s) in which each sub-capacity-eligible program was running during each hourly interval.
- For each sub-capacity-eligible program, at each interval, SCRT adds the 4HRA MSU values for all LPARs in the Multiplex where the program was running in that interval.
- SCRT determines the highest 4HRA MSU value across all hourly intervals reported for each program during a given reporting period, to be used as the MSU peak value for that reporting period.

CMP clients are required to run SCRT V23 R10.0, or later, and submit a Multiplex report to IBM on a monthly basis in a manner similar to how sub-capacity reports are submitted.

In most countries, submission of sub-capacity reports is through the License Management Support (LMS) application, using either the LMS Web or LMS Email function. Initially, LMS Email support is not available for Multiplex report submission. CMP clients in countries where LMS is used are required to submit their Multiplex report using LMS Web.

Clients will be informed by an LMS Email subscription notification when their Multiplex report may be submitted using email. For more information about LMS Web, LMS Email, and the types of notifications available from LMS Email subscription, refer to

http://ibm.com/systems/z/swprice/subcap/scrt/submit.html

Transitioning to CMP

For clients with existing z Systems machines running billable software on eligible operating systems, a transition process is required to implement CMP. The transition process will include the creation of an MSU and MLC baseline according to the process and terms described in this announcement. Setting the bases is a one-time event. The bases do not represent fixed minimum values for billing purposes

but rather reference points used to transition a client to the CMLC metric and CMP terms. There will be no retroactive application of CMP charges.

For new clients, or for new z Systems machines that represent a client's first installation in a given country, there will be no transition process. New environments will simply begin using SCRT to report sub-capacity MSUs on a Multiplex report and will be billed according to the terms and price points of the new CMLC metric without the need to establish an MLC and MSU baseline. The new machines will be billed on a full-capacity basis for the initial month and until the first valid SCRT report is generated and submitted for sub-capacity pricing.

Establishing the MSU Base for a program

Per CMP terms, SCRT will report the Multiplex peak MSUs across all machines in a country. The resulting Multiplex peak MSUs will typically be lower than, or in some cases equal to, the sum of the machine-peak MSUs reported by prior sub-capacity reports as generated by SCRT or the Mobile Workload Reporting Tool (MWRT) for the same billing period. Because of this change in reporting methodology, each sub-capacity program billable feature will have an MSU Base set according to a Multiplex peak measurement.

The Base will be the average of the Multiplex MSU peak for a given program for all machines to be included in the Multiplex, over the most recent three billing periods at the time a client implements a Multiplex. The process to establish the Base will be as follows:

- Clients must install SCRT V23 R10.0, or later, to generate the Multiplex reports that will be used to determine the MSU Bases.
- For each of the three billing periods, clients will collect all the SMF 70, SMF 89, and SCRT89 records for all machines in the Multiplex, load the files into SCRT, and generate a Multiplex report using the same EXCLUDE statements and other relevant sub-capacity reporting options, such as Mobile Workload Pricing (MWP) or Integrated Workload Pricing (IWP) where applicable, as were used when generating sub-capacity reports for those same periods. (Note that the SMF 70, SMF 89, and SCRT89 records are the standard data records required for prior versions of SCRT and MWRT.)
- The result will be one Multiplex report for each of the three billing periods, which will be validated against prior sub-capacity reports and approved for use by IBM.
- The average of the MSUs shown on these reports will be used to set the Bases for each sub-capacity program billable feature.

The MSU Bases do not represent minimum capacity levels, but rather reference points used to transition clients to the CMLC metric. Additional details on monthly billing are provided in the section **Monthly charging for MLC programs.**

Establishing the MLC Base and MLC Base Factor for a program

Each sub-capacity program billable feature will have an MLC Base. The Base will be the average of the most recent three billing periods of the total MLC billed for a given program using list prices, for all machines and sysplexes to be included in the Multiplex. Note: For clients with MLC software under the scope of an IBM Enterprise License Agreement, the MLC figures used to calculate the MLC Base will be the equivalent list prices for the MLC Inventory Values for the relevant reporting periods. The MLC Base will be used to transition clients to CMP at their current billing levels for the corresponding CMP MSU Base for a given program. The transition to CMP is not intended to reduce a client's MLC charges as calculated before CMP.

The MLC Base is then used to create an MLC Base Factor for each program that will be used going forward for monthly billing on CMLC. The MLC Base Factor will represent the difference between the MLC Base and the CMLC list price of the corresponding MSU Base for the same program. Any applicable Technology Transition Offering (TTO) reduction benefit will be included in all variables in the formula. See formula below:

```
MLC Base Factor  =    [MLC Base - (MSU Base@CMLC)] / [(MSU Base@CMLC)]
```

As noted above, the MLC Base Factor is necessary to transition a client to the new model at their current billing levels while allowing the Multiplex to simply be priced using the reported Multiplex peak MSUs for a given program on the CMLC curve each month. The MSU Base and MLC Base Factor for each program billable feature will be documented in a CMP contract supplement when a client first implements a Multiplex. For example:

Program ID	Program Description	MSU Base	MLC Base Factor
5615-DB2	DB2(R) 11 for z/OS	x	x.x
5635-A04	IMS™ Transaction Manager V13	x	x.x
5650-ZOS	z/OS V2 Base	x	x.x
5650-ZOS	z/OS V2 DFSMS dsshsm	x	x.x
5650-ZOS	z/OS V2 DFSORT	x	x.x
...	....	.	...

With the exception of special circumstances, the MLC Base Factors will be fixed values used to facilitate a client's transition to CMLC prices. Note that for all clients who implement a Multiplex prior to January 1, 2016, the initial MLC Base Factors established will be recalculated for January 1, 2016, in accordance with any price actions effective January 1, 2016. This is a one-time special situation due to the timing of these related pricing announcements.

Monthly charging for MLC programs

Once a client completes the initial transition requirements, the monthly pricing process is straightforward, similar to how AWLC sub-capacity pricing works today. All reported MSUs will be priced by program on CMLC as if they were in one country-wide sysplex, then IBM will apply the MLC Base Factor to calculate the final bill. The steps that will be followed to calculate MLC charges for a given sub-capacity program are as follows:

1. Calculate the list price of the total reported Multiplex peak MSUs using the CMLC metric.
2. Calculate the list price of the Base MSUs using the CMLC metric.
3. Multiply #2 by the MLC Base Factor.
4. Add the values in #1 and #3 to determine the CMLC price for that period.

Here is an example (figures are for illustrative purposes only):

A program has an MSU Base of 3,000 MSUs, an MLC Base of $211,000, and an MLC Base Factor of 2%. Actual reported MSUs for the given month are 3,500:

1. First, the list price is calculated for the total 3,500 reported MSUs using the CMLC curve: $232,000
2. Then, the CMLC price of the MSU Base of 3,000 MSUs is calculated: $207,000
3. Next, the factor of 2% of the price of the MSU Base in #2 is applied: $207,000 x 2% = $4,140
4. Finally, the monthly bill is the sum of #1 and #3: $232,000 + $4,140 = $236,140

The same process applies for the MzNALC metric if zNALC workloads are present.

By using a distinct Multiplex price curve (CMLC), all list price changes, as well as any applicable TTO benefits, are automatically applied to the MLC without need for a new process.

Technology Transition Offerings (TTOs)

When clients upgrade machines in a Multiplex, the TTOs announced with the given hardware generation will be used for CMP. A Multiplex will be considered a single

sysplex for purposes of determining the level of pricing benefit applicable for a given machine upgrade and TTO.

CMP billing effective date

Sub-capacity licenses reflecting CMLC cannot be billed until the MSU Bases and MLC Base Factors are established and the client submits an SCRT Multiplex report, reflecting programs with MSUs in the new CMP structure. The SCRT V23 R10.0 with Multiplex functionality is planned to be available on October 2, 2015.

For example, if the first Multiplex billing date is November 1, 2015:

- The MLC Base will use the average of the August, September, and October billing amounts. In the case of ELAs, it will use the average of the MLC Inventory values for those same months.
- The MSU Base will use the average of the June, July, and August *reporting* periods which correspond to the August, September, and October billing periods; the client must generate the Multiplex reports for these periods.
- For the first Multiplex billing on November 1, the actual MSUs used will be from the Multiplex report containing data from the September reporting period (September 2 through October 1).

Multiplex Version Measurement (MVM) replaces Single Version Charging (SVC)

All Multiplexes that run multiple versions of a given sub-capacity-eligible program will now be measured and priced according to MVM terms. For clients running multiple versions of a given sub-capacity program, such as DB2 for z/OS, all MSUs for multiple versions within a given Program Family of Program IDs (PIDs) will be reported on a concurrent basis, similar to how SCRT measures z/OS today. SCRT will calculate the 4HRA for the concurrent peak (indicated by "(All)" in the report) by adding up the LPAR values where any version of the product is running. There are no time limits for version migration under CMP, so SVC terms do not apply under CMP. For billing purposes, all MSUs within a given family will be reported on a concurrent peak basis and priced at the cost of the latest version of the program within the family. Clients will essentially be paying for all instances of a program, such as DB2, reported as if it is a single version.

When first implementing CMP, if a client is running multiple versions of a sub-capacity-eligible program across the Multiplex machines, the reported concurrent peak for all versions (including those under SVC) will be used to establish the MSU Base for that Program Family. The MSU Base will be established under the latest version Program ID.

In the case of non-sub-capacity-eligible programs, such as flat-priced programs, clients who are running two versions before they enter the Multiplex but are only paying for one under SVC will continue to be charged for only that one under Multiplex without a migration time limit. Those that enter the Multiplex with one version and start migrating to a new version in the future will have to pay for both versions for as long as both continue to be used, regardless of whether the new version is incorporated into a sub-capacity-eligible program.

The tables in sections **Programs eligible for CMLC with MLC Program Families under CMP** and **IPLA Execution-based Program Families under CMP** show the programs and Program IDs that correspond to a given family for both MLC and IPLA programs. Program Family definitions will be updated as new versions are released.

IPLA program terms in a Multiplex

Migration of IPLA program versions

The previously announced migration grace period time limit of six months for IPLA program version migrations has been eliminated under CMP. Clients may run multiple program versions concurrently without additional charge so long as such aggregate use does not exceed that program's license entitlement. In addition, CMP clients will not be subject to the base IPLA contract terms that terminate the right to

use the older version of a program when a more recent version is acquired with an upgrade or trade-up.

IPLA Execution-based programs

For IPLA Execution-based programs, the peak MSUs used for billing purposes will be the Multiplex MSU peak reported by SCRT for that program. For clients running multiple versions of a given program, SCRT will report an "(All)" line that shows the concurrent peak for all versions of the program running in the Multiplex. This single concurrent peak will be the MSU value used for collectively billing all versions running in the Multiplex, and will be priced using the price points of the most recent version installed.

IPLA z/OS-based programs

IPLA z/OS-based programs will continue to use the z/OS MSUs reported for the machines where they are running. The Multiplex report will show the contribution of each machine's MSUs to the overall Multiplex peak, and IBM will use the sum of those individual machine values as the MSUs for billing IPLA z/OS-based programs. In the case where SCRT reports both z/OS traditional and z/OS zNALC values for a given Multiplex, the sum of the traditional and zNALC MSUs will be the value used when calculating total MSUs for billing a z/OS-based program on a given machine or group of machines.

IPLA Reference-based programs

For IPLA Reference-based programs, which are priced according to the reported MSUs for a given parent program, the billing MSUs will have an Environment scope based upon an Establishment, as opposed to the previously used Environment scope of either a sysplex or a stand-alone server. An Establishment is defined as a single physical site, including the surrounding campus and satellite offices located within 50 kilometers of a client's site address. MSUs used for billing the IPLA program will be the sum of the MSUs reported by SCRT for the parent program (combined concurrent peak) for all machines that run in the same Establishment as the IPLA program. Note: The machine values will represent the contribution of each machine's MSUs to the overall Multiplex peak, as reported by SCRT, and not the individual machines' peaks.

Full-capacity IPLA

Sub-capacity IPLA terms are not required under CMP. Clients who have not adopted IPLA sub-capacity may continue to maintain their existing full-capacity program entitlements.

Value Unit Edition (VUE) program terms in a Multiplex

Prior sub-capacity rules for VUE programs allowed for a technique called "pseudo-aggregation" where the reported MSUs of the corresponding version of the MLC program are added to the reported VUE program MSUs when calculating required Value Unit entitlements for a given VUE program on a stand-alone machine. For sysplexes, the MLC program MSUs used in the calculation are the total MLC program MSUs reported for all the machines in the sysplex where the VUE program runs. In a Multiplex, the MLC program MSUs to be used for any pseudo-aggregation calculation will simply be the Multiplex report concurrent peak MSUs for the MLC program.

Adding or removing programs or machines under CMP

CMP introduces changes in the way the software inventory is maintained and billed compared to the way it worked prior to Multiplex. The following sections describe how program and machine changes affect licensing and billing under CMP.

- Adding a new Program Family to the Multiplex

  Any new sub-capacity-eligible program that is a member of a Program Family not previously licensed to any of the Multiplex machines will have an MLC Base Factor of 0 and an MSU Base of 3. Once the program is licensed to the machine, it will bill at the minimum 3 MSU price until it appears in the Multiplex report.

Subsequent MLC charges for these programs (on the CMLC metric) will be based upon the reported MSUs for this Program Family on the Multiplex report.

- Adding a new program version within an existing Program Family in the Multiplex

  When a new version of a product within an existing Program Family is first licensed, the MLC Base Factor and MSU Base of the prior version are transferred to the new version. Program Family MSUs will then be billed against the new version.

- Adding a machine to an existing Multiplex

  If a client adds a machine to a Multiplex, but does not change the programs installed in the Multiplex, then no adjustment is made to the MLC Bases or MSU Bases. Once the machine begins reporting MSUs in the Multiplex report, the incremental workload simply comes in as additional MSUs.

- Removing a Program Family from the Multiplex

  If a program is permanently removed from the Multiplex, and no other versions within the same Program Family remain installed, then the MLC Base and MLC Base Factor for that program will be removed from inventory once the program's license is discontinued. If a program is removed from the Multiplex but other versions within the same Program Family remain installed, the inventory will simply be updated to reflect the removal of that particular program license.

- Removing a machine from a Multiplex or removing a program from a machine

  If a client decommissions a machine, migrates or upgrades to a new machine, or otherwise stops running a program on a machine, no adjustment is made to the MLC Base Factors or MSU Bases. The change will only impact the sub-capacity charges as measured by future months' SCRT Multiplex reporting.

  The licenses on the machine will continue billing for as long as any MSUs appear in the Multiplex report, even if the client has asked to discontinue the licenses on the old machine. This is different from how sub-capacity licenses are handled outside of CMP, but it accounts for the fact that inside a Multiplex, a new machine comes in with 0 MSU registration licenses whereas outside of CMP a new machine comes in with full-capacity billing.

Programs eligible for CMLC with MLC Program Families under CMP

Note: Program eligibility is subject to product availability, including new programs that may become eligible for CMLC. For future updates see

http://ibm.com/systems/z/swprice/reference/exhibits/mlc.html

Software Offering (SWO)	Entitlement Entity (EE)	Description	Program Family name
5694-A01	S00T4FS	z/OS V1 Alternate Base	z/OS
5694-A01	S00T4FR	z/OS V1 Base	z/OS
5694-A01	S00T4FT	z/OS V1 BDT FTF	z/OS
5694-A01	S00T4FV	z/OS V1 BDT SNA NJE	z/OS
5694-A01	S00T4FW	z/OS V1 BookManager[(R)] Build	z/OS
5694-A01	S00T4FX	z/OS V1 C/C++ with Debug	z/OS
5694-A01	S00T4FZ	z/OS V1 C/C++ without Debug	z/OS
5694-A01	S00T4G2	z/OS V1 DFSMS dss	z/OS
5694-A01	S00T4G0	z/OS V1 DFSMS dsshsm	z/OS

Software Offering (SWO)	Entitlement Entity (EE)	Description	Program Family name
5694-A01	S00T4G1	z/OS V1 DFSMS rmm	z/OS
5694-A01	S010776	z/OS V1 DFSMStvs	z/OS
5694-A01	S00T4G3	z/OS V1 DFSORT	z/OS
5694-A01	S00T4G4	z/OS V1 GDDM-PGF	z/OS
5694-A01	S00T4G5	z/OS V1 GDDM-REXX	z/OS
5694-A01	S00T4G8	z/OS V1 Infoprint Server	z/OS
5694-A01	S00T4G9	z/OS V1 JES3	z/OS
5694-A01	S00T4GB	z/OS V1 RMF^{TM}	z/OS
5694-A01	S00T4GC	z/OS V1 SDSF	z/OS
5694-A01	S00T4GF	z/OS V1 Security Server	z/OS
5694-A01	S00T4GD	z/OS V1 SOMobjects$^{(R)}$ ADE	z/OS
5650-ZOS	S01728S	z/OS V2 Alternate Base	z/OS
5650-ZOS	S01728T	z/OS V2 Base	z/OS
5650-ZOS	S01728V	z/OS V2 BDT FTF	z/OS
5650-ZOS	S01728W	z/OS V2 BDT SNA NJE	z/OS
5650-ZOS	S01728X	z/OS V2 BookManager Build	z/OS
5650-ZOS	S017290	z/OS V2 DFSMS dss	z/OS
5650-ZOS	S017291	z/OS V2 DFSMS dsshsm	z/OS
5650-ZOS	S017292	z/OS V2 DFSMS rmm	z/OS
5650-ZOS	S017293	z/OS V2 DFSMStvs	z/OS
5650-ZOS	S017294	z/OS V2 DFSORT	z/OS
5650-ZOS	S017295	z/OS V2 GDDM-PGF	z/OS
5650-ZOS	S017296	z/OS V2 GDDM-REXX	z/OS
5650-ZOS	S017297	z/OS V2 HCM	z/OS
5650-ZOS	S017298	z/OS V2 HLASM Toolkit	z/OS
5650-ZOS	S017299	z/OS V2 Infoprint Server	z/OS
5650-ZOS	S01729B	z/OS V2 JES3	z/OS
5650-ZOS	S01729C	z/OS V2 RMF	z/OS
5650-ZOS	S01729D	z/OS V2 SDSF	z/OS
5650-ZOS	S01729F	z/OS V2 Security Server	z/OS
5650-ZOS	S01728Z	z/OS V2 XL C/C++	z/OS
5650-ZOS	S01780D	z/OS V2 zEDC	z/OS
5645-005	S000V5N	System Automation for OS/390$^{(R)}$	System Automation
5645-006	S00SNWR	SA OS/390 V2	System Automation
5655-B22	S00S8F4	VA PL/I for OS/390 Alt Funct	PL/I

Software Offering (SWO)	Entitlement Entity (EE)	Description	Program Family name
5655-B22	S00S8F5	VA PL/I for OS/390 Ful Funct	PL/I
5655-H31	S00W184	Enterprise PL/I Alt. Function	PL/I
5655-H31	S00W183	Enterprise PL/I Full Function	PL/I
5655-W67	S0166DJ	Enterprise PL/I for z/OS	PL/I
5697-B82	S001FFC	Tivoli(R) NetView(R) Enterprise	NetView
5697-B82	S001FFF	Tivoli NetView Procedural	NetView
5697-B82	S001FFD	Tivoli NetView Unattended	NetView
5697-ENV	S00WM20	IBM Tivoli NetView for z/OS	NetView
5697-ENV	S0148PZ	NetView for z/OS - TEMA	NetView
5697-NV6	S016RPV	IBM Tivoli NetView for z/OS	NetView
5697-NV6	S016RPM	NetView for z/OS - TEMA	NetView
5695-137	S000PX4	MQSeries(R) MVS/ESA	MQ for z/OS
5695-137	S000PX3	MQSeries for MVS/ESA Client Attachment Feature	MQ for z/OS
5655-A95	S00NB8L	MQSERIES FOR OS/390 V.2.1	MQ for z/OS
5655-A95	S00NB8K	MQSERIES V.2.1Client Attachment	MQ for z/OS
5655-F10	S00TDF5	WebSphere(R) MQ for z/OS	MQ for z/OS
5655-F10	S00TDFD	WebSphere MQ Client Attachments	MQ for z/OS
5697-MQZ	S010N7W	IBM Web MQ Ext Sec Ed z/OS	MQ for z/OS
5697-MQZ	S010N7T	Web MQ Client Attach Feature	MQ for z/OS
5655-L82	S011P8R	WebSphere MQ for z/OS	MQ for z/OS
5655-L82	S011P8T	WebSphere MQ V6 Client Attachment	MQ for z/OS
5697-NQZ	S012B7X	MQ Extended Security Edition	MQ for z/OS
5697-NQZ	S012B80	MQ Ext Client Attach Feat	MQ for z/OS
5655-R36	S014V9Z	WS MQ Base for z/OS	MQ for z/OS
5655-R36	S014VB0	WS MQ Client Attachment	MQ for z/OS
5655-W97	S017F7P	IBM WMQ for z/OS	MQ for z/OS
5799-GKY	S00TN86	MQS for OS/390 - Base	MQ for z/OS
5655-B86	S00RXVG	Lotus(R) Domino(R) for S/390(R)	Lotus Domino

Software Offering (SWO)	Entitlement Entity (EE)	Description	Program Family name
5655-K36	S00XJ4K	Lotus Domino for z/OS V6	Lotus Domino
5655-N14	S011DT8	Lotus Domino for z/OS V7	Lotus Domino
5655-S73	S0144DV	Lotus Domino for z/OS	Lotus Domino
5695-176	S00150G	IMS/ESA$^{(R)}$ V5 Database Manager	IMS
5695-176	S00150J	IMS/ESA V5 DB Level Tracking	IMS
5695-176	S00150H	IMS/ESA V5 Ext. Terminal Opt	IMS
5695-176	S00150F	IMS/ESA V5 RSR-RLT	IMS
5695-176	S00150K	IMS/ESA V5 Surveyor Feature	IMS
5695-176	S00150D	IMS/ESA V5 Transaction Mgr.	IMS
5655-158	S001CFP	IMS/ESA V6 Database Manager	IMS
5655-158	S001CFS	IMS/ESA V6 DB Level Tracking	IMS
5655-158	S001CFR	IMS/ESA V6 Ext Terminal Opt	IMS
5655-158	S001CFN	IMS/ESA V6 RC Level Tracking	IMS
5655-158	S001CFT	IMS/ESA V6 Transaction Mgr	IMS
5655-B01	S00TBG7	IMS V7 Database Manager	IMS
5655-B01	S00TBG6	IMS V7 Extended Terminal Opt	IMS
5655-B01	S00TBG9	IMS V7 RSR DB Level Tracking	IMS
5655-B01	S00TBG8	IMS V7 RSR RC Level Tracking	IMS
5655-B01	S00TBGB	IMS V7 Transaction Manager	IMS
5655-C56	S00W276	IMS V8 Database Manager	IMS
5655-C56	S00W275	IMS V8 DB-Level Tracking	IMS
5655-C56	S00W277	IMS V8 Extended Terminal Opt	IMS
5655-C56	S00W278	IMS V8 Recov Lvl Tracking	IMS
5655-C56	S00W274	IMS V8 Transaction Manager	IMS
5655-J38	S0108VK	IMS V9 Database Manager	IMS
5655-J38	S0108VM	IMS V9 DB-Level Tracking	IMS
5655-J38	S0108VP	IMS V9 Extended Terminal Opt	IMS
5655-J38	S0108VS	IMS V9 Recov Lvl Tracking	IMS
5655-J38	S0108VV	IMS V9 Transaction Manager	IMS

Software Offering (SWO)	Entitlement Entity (EE)	Description	Program Family name
5635-A01	S012K9W	IMS V10 Database Manager	IMS
5635-A01	S012K9X	IMS V10 DB-Level Tracking	IMS
5635-A01	S012KB0	IMS V10 Extended Term Opt	IMS
5635-A01	S012K9Z	IMS V10 Recov Lvl Tracking	IMS
5635-A01	S012K9B	IMS V10 Transaction Manager	IMS
5635-A02	S0152Z1	IMS Database Manager	IMS
5635-A02	S0152Z2	IMS DB-Level Tracking	IMS
5635-A02	S0152XX	IMS Extended Term Opt	IMS
5635-A02	S0152XZ	IMS Recov Lvl Tracking	IMS
5635-A02	S0152Z0	IMS Transaction Manager	IMS
5635-A03	S0166J4	IMS V12 Database Manager	IMS
5635-A03	S0166J5	IMS V12 DB-Level Tracking	IMS
5635-A03	S0166J1	IMS V12 Extended Term Opt	IMS
5635-A03	S0166J2	IMS V12 Recov Lvl Tracking	IMS
5635-A03	S0166J3	IMS V12 Transaction Manager	IMS
5635-A04	S0171RS	IMS Database Manager V13	IMS
5635-A04	S0171RT	IMS DB-Level Tracking V13	IMS
5635-A04	S0171RV	IMS Extended Term Opt V13	IMS
5635-A04	S0171RW	IMS Recov Lvl Tracking V13	IMS
5635-A04	S0171RX	IMS Transaction Manager V13	IMS
5635-A05	S017K88	IMS Database Mgr V14	IMS
5635-A05	S017K89	IMS DB-Lvl Tracking V14	IMS
5635-A05	S017K8B	IMS ETO V14	IMS
5635-A05	S017K8C	IMS Recov Lvl Track V14	IMS
5635-A05	S017K8D	IMS Transaction Mgr V14	IMS
5655-H32	S00X8FN	Debug Tool for z/OS & OS/390	Debug Tool
5655-L24	S0109LN	Debug Tool V4	Debug Tool
5655-M18	S011CMT	Debug Tool V5	Debug Tool
5655-P14	S0121TL	Debug Tool V6	Debug Tool
5655-R44	S012PVX	Debug Tool V7	Debug Tool
5655-S17	S01489W	Debug Tool V8	Debug Tool
5695-DB2	S00184N	DB2 for MVS/ESA V4	DB2 for z/OS

Software Offering (SWO)	Entitlement Entity (EE)	Description	Program Family name
5655-DB2	S001FJ7	IBM DB2 for OS/390 Version 5	DB2 for z/OS
5655-DB2	S001FJ8	DB2 V5 Performance Monitor	DB2 for z/OS
5655-DB2	S00MVJ2	QMF™ Win V6 F/C of DB2 V5	DB2 for z/OS
5655-DB2	S00MVJ4	QMF Win V6 w Host QMF prereq	DB2 for z/OS
5645-DB2	S00087N	DB2 UDB for OS/390	DB2 for z/OS
5645-DB2	S00V5XB	Net Search Extender	DB2 for z/OS
5645-DB2	S00087P	QMF for OS/390	DB2 for z/OS
5645-DB2	S00VWVP	QMF for OS/390 Version 7	DB2 for z/OS
5645-DB2	S00VWVT	QMF for Win V7 (Feat of DB2)	DB2 for z/OS
5645-DB2	S00VWVW	QMF for Win V7 (Feat of QMF)	DB2 for z/OS
5645-DB2	S00087M	QMF for Windows™ w/QMF Lic	DB2 for z/OS
5645-DB2	S00087J	QMF for Windows- No QMF Lic.	DB2 for z/OS
5645-DB2	S00087G	QMF HPO Buy	DB2 for z/OS
5645-DB2	S00VWVZ	QMF HPO Version 7	DB2 for z/OS
5675-DB2	S00SN65	DB2 UDB for OS/390	DB2 for z/OS
5675-DB2	S00TZJH	DB2 Net Search Extender	DB2 for z/OS
5675-DB2	S00SN6L	DB2 Warehouse Manager	DB2 for z/OS
5675-DB2	S00SN6M	QMF for OS/390 (feat of DB2)	DB2 for z/OS
5675-DB2	S00SN6X	QMF for Windows feat of DB2	DB2 for z/OS
5675-DB2	S00SN6S	QMF for Windows feat of QMF	DB2 for z/OS
5675-DB2	S00VWTB	QMF HPO Version 7.1.1	DB2 for z/OS
5625-DB2	S00X44M	DB2 UDB for z/OS	DB2 for z/OS
5625-DB2	S010TGB	DB2 Net Search Extender	DB2 for z/OS
5625-DB2	S00X44R	QMF Classic Edition	DB2 for z/OS
5625-DB2	S00X44P	QMF Distributed Edition	DB2 for z/OS
5625-DB2	S00X44N	QMF Enterprise Edition	DB2 for z/OS
5635-DB2	S011XS0	DB2 V9 for z/OS	DB2 for z/OS
5635-DB2	S012J7R	QMF Classic Edition	DB2 for z/OS
5635-DB2	S015SLK	QMF Classic Edition: V10	DB2 for z/OS
5635-DB2	S012J7P	QMF Enterprise Edition	DB2 for z/OS
5635-DB2	S015SLL	QMF Enterprise Edition: V10	DB2 for z/OS
5605-DB2	S015SW2	DB2 10 for z/OS	DB2 for z/OS

Software Offering (SWO)	Entitlement Entity (EE)	Description	Program Family name
5605-DB2	S015SW4	QMF Classic Edition V10	DB2 for z/OS
5605-DB2	S015SW3	QMF Enterprise Edition V10	DB2 for z/OS
5605-DB2	S017HFV	QMF V11 Classic Edition	DB2 for z/OS
5605-DB2	S017HFT	QMF V11 Enterprise Edition	DB2 for z/OS
5615-DB2	S0171R2	DB2 11 for z/OS	DB2 for z/OS
5615-DB2	S0171R3	QMF Classic Edition V11	DB2 for z/OS
5615-DB2	S0171R4	QMF Enterprise Edition V11	DB2 for z/OS
5648-A25	S001FGK	COBOL for OS/390 & VM V2-Alt	COBOL
5648-A25	S001FGH	COBOL for OS/390 & VM V2	COBOL
5655-G53	S00VXNN	COBOL Alternate Function	COBOL
5655-G53	S00VXNM	COBOL Full Function	COBOL
5655-S71	S014DVZ	COBOL V4	COBOL
5655-W32	S0177FX	Enterprise COBOL for z/OS V5	COBOL
5655-018	S00151N	CICS/ESA V4	CICS$^{(R)}$
5655-018	S00151M	CICS ONC RPC	CICS
5655-147	S001CVJ	CICS TS for OS/390	CICS
5697-E93	S00T7FK	CICS TS for z/OS V2	CICS
5655-M15	S0118T7	CICS TS for z/OS V3.2	CICS
5655-S97	S015H9T	CICS TS for z/OS	CICS
5655-Y04	S0172DF	CICS TS for z/OS	CICS
5655-043	S00135C	Netview Perf Mon	N/A
5655-043	S00135D	NetView NRDC	N/A
5695-068	S000BKC	Airline Control System V2	N/A
5706-254	S00066K	QMF MVS^{TM} Version 3	N/A
5706-254	S00066G	QMF for Windows	N/A
5706-254	S00066J	HPO Compiler	N/A
5706-254	S00066H	HPO Complete	N/A
5706-254	S00066F	HPO Manager	N/A
5655-P97	S01243R	Encryption Facil Encrypt Ser	N/A
5655-P97	S01256T	Encryption Facil dss Encrypt	N/A
5697-OPC	S001FDX	OPC 2.3 Tracker	N/A
5697-OPC	S001FDW	OPC Agent & Enabler	N/A
5697-OPC	S001FDV	OPC Controller Comm + Lang	N/A
5697-WSZ	S00W0CV	TWS Engine + Lang	N/A
5697-WSZ	S00W0CT	TWS for z/OS Agent	N/A
5697-WSZ	S00W0CW	TWS for z/OS END2END Enabler	N/A

Software Offering (SWO)	Entitlement Entity (EE)	Description	Program Family name
5748-F15	S011DWP	z/TPF DF V1	N/A
5748-T15	S011DWN	z/TPF EE	N/A
5748-T15	S011DWM	z/TPF EE V1 HPO	N/A

IPLA Execution-based Program Families under CMP

Note: Program eligibility is subject to product availability, including new programs that may be announced. For future updates see

http://ibm.com/systems/z/swprice/reference/exhibits/ipla_exe.html

Software Offering (SWO)	Description	Program Family name
5697-H63	Application Monitor V1	Application Monitor
5655-L22	Application Monitor V2	Application Monitor
5697-N37	Application Performance Analyzer V1	App Performance Analyzer
5697-N53	Application Performance Analyzer V7	App Performance Analyzer
5697-N63	Application Performance Analyzer V8	App Performance Analyzer
5697-P10	Application Performance Analyzer for z/OS V9	App Performance Analyzer
5697-P36	Application Performance Analyzer for z/OS V10	App Performance Analyzer
5697-Q03	Application Performance Analyzer for z/OS V11	App Performance Analyzer
5655-W71	Application Performance Analyzer for z/OS V12	App Performance Analyzer
5655-Q09	Application Performance Analyzer for z/OS V13	App Performance Analyzer
5722-DFJ	CICS TS VUE V5	CICS TS VUE
5697-G57	Cloud 9 for SCLM for OS/390	Cloud 9 for SCLM
5655-G93	Cloud 9 for SCLM for z/OS	Cloud 9 for SCLM
5655-U99	Cognos$^{(R)}$ BI for z/OS V8	Cognos BI
5655-Y26	Cognos BI for z/OS V10	Cognos BI
5697-N29	DB2 8 for z/OS VUE	DB2 VUE
5697-P12	DB2 9 for z/OS VUE	DB2 VUE
5697-P31	DB2 10 for z/OS VUE	DB2 VUE
5697-P43	DB2 11 for z/OS VUE	DB2 VUE
5655-J18	Debug Tool Utils z/OS OS/390	Debug Tool
5655-L23	Debug Tool Utils & AF V4	Debug Tool
5655-M19	Debug Tool Utils & AF V5	Debug Tool
5655-P15	Debug Tool Utils & AF V6	Debug Tool
5655-R45	Debug Tool Utils & AF V7	Debug Tool
5655-S16	Debug Tool Utils & AF V8	Debug Tool
5655-U27	Debug Tool for z/OS V9	Debug Tool
5655-V50	Debug Tool for z/OS V10	Debug Tool
5655-W45	Debug Tool for z/OS V11	Debug Tool
5655-W70	Debug Tool for z/OS V12	Debug Tool
5655-Q10	Debug Tool for z/OS V13	Debug Tool
5697-F19	Fault Analyzer OS/390	Fault Analyzer
5655-G74	Fault Analyzer V2	Fault Analyzer
5655-J47	Fault Analyzer z/OS OS/390	Fault Analyzer
5655-L25	Fault Analyzer V4	Fault Analyzer

Software Offering (SWO)	Description	Program Family name
5655-M20	Fault Analyzer V5	Fault Analyzer
5655-P16	Fault Analyzer for z/OS V6	Fault Analyzer
5655-R46	Fault Analyzer V7	Fault Analyzer
5655-S15	Fault Analyzer V8	Fault Analyzer
5655-U28	Fault Analyzer for z/OS V9	Fault Analyzer
5655-V51	Fault Analyzer for z/OS V10	Fault Analyzer
5655-W46	Fault Analyzer for z/OS V11	Fault Analyzer
5655-W69	Fault Analyzer for z/OS V12	Fault Analyzer
5655-Q11	Fault Analyzer for z/OS V13	Fault Analyzer
5697-F20	File Manager for OS/390	File Manager
5655-G75	File Manager V2	File Manager
5655-J48	File Manager z/OS OS/390	File Manager
5655-L26	File Manager V4	File Manager
5655-M21	File Manager V5	File Manager
5655-P17	File Analyzer for z/OS V6	File Manager
5655-R47	File Manager V7	File Manager
5655-S14	File Manager V8	File Manager
5655-U29	File Manager for z/OS V9	File Manager
5655-V52	File Manager for z/OS V10	File Manager
5655-W47	File Manager for z/OS V11	File Manager
5655-W68	File Manager for z/OS V12	File Manager
5655-Q12	File Manager for z/OS V13	File Manager
5655-W11	WebSphere Business Monitor V7	IBM Business Monitor
5655-W96	IBM Business Monitor for z/OS V8	IBM Business Monitor
5655-N53	WebSphere Process Server for z/OS V6	IBM Business Process Manager
5655-W05	IBM Business Process Manager for z/OS V7	IBM Business Process Manager
5655-Y02	IBM Business Process Manager for z/OS V8	IBM Business Process Manager
5655-I58	Integrator Broker for z/OS	IBM Integration Bus
5655-K60	WBI Message Broker for z/OS	IBM Integration Bus
5655-M74	WebSphere Message Broker for z/OS V6	IBM Integration Bus
5655-V60	WebSphere Message Broker for z/OS V7	IBM Integration Bus
5697-P44	WebSphere Message Broker for z/OS V8	IBM Integration Bus
5655-IBB	IBM Integration Bus for z/OS V9	IBM Integration Bus
5655-AB1	IBM Integration Bus for z/OS V10	IBM Integration Bus
5655-IBC	IBM Integration Bus Standard Edition for z/OS V9	IBM Integration Bus SE
5655-AB2	IBM Integration Bus Standard Edition for z/OS V10	IBM Integration Bus SE
5655-U24	IBM Multi-site Workload Lifeline V1	IBM Multi-site Workload Lifeline
5655-UM4	IBM Multi-site Workload Lifeline V2	IBM Multi-site Workload Lifeline

Software Offering (SWO)	Description	Program Family name
5655-AA6	IBM SPSS^(R) Modeler with Scoring Adapter for zEnterprise^(R) V15	IBM SPSS Modeler
5655-AA8	IBM SPSS Modeler with Scoring Adapter for zEnterprise V16	IBM SPSS Modeler
5655-SP7	IBM SPSS Modeler Gold with Scoring adapter for z Systems V17	IBM SPSS Modeler
5655-DSQ	IMS DB VUE V12	IMS DB VUE
5655-DSM	IMS DB VUE V13	IMS DB VUE
5655-TM1	IMS TM VUE V12	IMS TM VUE
5655-TM2	IMS TM VUE V13	IMS TM VUE
5655-I18	Migration Utility V1	Migration Utility
5697-I89	Migration Utility V2	Migration Utility
5697-N44	Migration Utility for z/OS V3	Migration Utility
5655-MGU	Migration Utility for z/OS V4	Migration Utility
5655-VUE	WebSphere MQ for z/OS VUE V7	MQ for z/OS VUE
5655-VU8	WebSphere MQ for z/OS VUE V8	MQ for z/OS VUE
5655-U93	Data Studio pureQuery^(R) Runtime for z/OS V1	Optim^{TM} pureQuery Runtime
5655-V57	Data Studio pureQuery Runtime for z/OS V2	Optim pureQuery Runtime
5655-V80	Optim pureQuery Runtime for z/OS V2	Optim pureQuery Runtime
5655-W92	Optim pureQuery Runtime for z/OS V3	Optim pureQuery Runtime
5655-I49	WebSphere Studio Asset Analyzer V2	Rational^(R) Asset Analyzer
5655-L21	WebSphere Studio Asset Analyzer V3	Rational Asset Analyzer
5655-M22	WebSphere Studio Asset Analyzer V4	Rational Asset Analyzer
5655-R10	WebSphere Studio Asset Analyzer V5	Rational Asset Analyzer
5655-W57	IBM Rational Asset Analyzer V6	Rational Asset Analyzer
5655-L03	SCLM Administrator Workbench z/OS	SCLM Administrator Toolkit
5697-J19	SCLM Administrator Toolkit V2	SCLM Administrator Toolkit
5697-N51	SCLM Administrator Toolkit V3	SCLM Administrator Toolkit
5697-N68	SCLM Administrator Toolkit for z/OS V4	SCLM Administrator Toolkit
5655-U74	SCLM Administrator Toolkit for z/OS V5	SCLM Administrator Toolkit
5655-M99	SCLM Developer's Toolkit	SCLM Developer Toolkit
5655-R37	SCLM Developer Toolkit V2	SCLM Developer Toolkit
5655-S72	SCLM Developer Toolkit V3	SCLM Developer Toolkit
5698-A71	IBM Tivoli Composite Application Manager for WebSphere	Tivoli Composite Application Manager

Software Offering (SWO)	Description	Program Family name
5698-B48	Tivoli Composite Application Manager for Appl Diag V7	Tivoli Composite Application Manager
5698-A10	Tivoli Mon for Net Perf	Tivoli Monitor for Network Performance
5698-FNP	Tivoli Monitor for Network Performance	Tivoli Monitor for Network Performance
5698-A87	IBM Tivoli OMEGAMON(R) XE for Messaging	Tivoli OMEGAMON XE for Messaging
5698-B23	Tivoli OMEGAMON XE for Messaging for z/OS V7	Tivoli OMEGAMON XE for Messaging
5698-Z01	Tivoli Storage Manager for z/OS Media V6	Tivoli Storage Manager
5698-AAH	Tivoli Storage Manager for z/OS Media V7	Tivoli Storage Manager
5698-Z02	Tivoli Storage Manager Extended Edition for z/OS Media V6	Tivoli Storage Manager EE
5698-AAK	Tivoli Storage Manager Extended Edition for z/OS Media V7	Tivoli Storage Manager EE
5698-A14	Tivoli System Automation	Tivoli System Automation
5698-SA3	IBM Tivoli System Automation for z/OS	Tivoli System Automation
5698-A17	Tivoli Workload Scheduler	Tivoli Workload Scheduler
5698-T08	Tivoli Workload Scheduler for z/OS V9	Tivoli Workload Scheduler
5655-F31	WebSphere Application Server for z/OS V4	WebSphere Application Server
5655-I35	WebSphere Application Server for z/OS V5	WebSphere Application Server
5655-N01	WebSphere Application Server for z/OS V6	WebSphere Application Server
5655-N02	WebSphere Application Server for z/OS V7	WebSphere Application Server
5655-W65	WebSphere Application Server for z/OS V8	WebSphere Application Server
5655-V54	WebSphere Business Events V6	WS Business Events
5655-W16	WebSphere Business Events for z/OS V7	WS Business Events
5655-ILG	WebSphere ILOG(R) Business Rules for z/OS V7	WS Business Rules
5655-Y31	WebSphere Business Rules for z/OS V8	WS Business Rules
5655-S30	WebSphere Business Services Fabric	WS Business Services Fabric
5655-W06	WebSphere Business Services Fabric for z/OS V7	WS Business Services Fabric
5655-R15	WebSphere Enterprise Service Bus for z/OS V6	WS Enterprise Service Bus
5655-W09	WebSphere Enterprise Service Bus for z/OS V7	WS Enterprise Service Bus
5655-K57	WBI Event Broker for z/OS	WS Event Broker
5655-M75	WebSphere Event Broker for z/OS	WS Event Broker
5655-V66	WebSphere eXtreme Scale z/OS	WS eXtreme Scale

Software Offering (SWO)	Description	Program Family name
5655-VX8	WebSphere eXtreme Scale for z/OS V8	WS eXtreme Scale
5655-G97	WebSphere MQ Integrator z/OS V2.1	WS Message Broker
5697-I11	WBI MB with R&F Extension	WS Message Broker
5697-J09	WebSphere Message Broker with R&F for z/OS	WS Message Broker
5655-W98	WebSphere MQ Advanced for z/OS V7	WS MQ Advanced for z/OS
5655-ADV	IBM WebSphere MQ Advanced z/OS	WS MQ Advanced for z/OS
5655-W50	WebSphere MQ Adv Message Security for z/OS V7	WS MQ Advanced Message Security
5655-AMS	IBM Websphere AMS for z/OS	WS MQ Advanced Message Security
5655-Y07	WebSphere Operational Decision Management for z/OS V7	WS Operational Decision Management
5655-Y17	WebSphere Operational Decision Management for z/OS V8	WS Operational Decision Management
5655-K12	Portal for z/OS & OS/390	WS Portal Enable
5655-M44	WebSphere Portal Enable z/OS	WS Portal Enable
5655-R17	WebSphere Portal Enable z/OS, V6	WS Portal Enable
5655-W49	WebSphere Portal Enable for z/OS V7	WS Portal Enable
5655-Y16	WebSphere Portal Enable for z/OS V8	WS Portal Enable
5655-R41	WebSphere Serv Reg & Rep'tory, V6	WS Service Registry & Repository
5655-W17	WebSphere Service Registry & Repository V7	WS Service Registry & Repository
5655-WBS	WebSphere Service Registry & Repository for z/OS V8	WS Service Registry & Repository
5655-J67	WebS Studio App Monitor zOS	WS Studio Application Monitor
5655-L42	WebS Studio Appli Monitor	WS Studio Application Monitor
5697-J18	WebSphere Studio Application Monitor	WS Studio Application Monitor
5655-L50	CICS Data Collector for WSAM	WSAM Data Collector for CICS
5697-J17	WSAM Data Collector for CICS	WSAM Data Collector for CICS
5655-T11	zSecure™ Alert	zSecure Alert
5655-N21	zSecure Alert V2	zSecure Alert
5655-T05	zSecure CICS Toolkit	zSecure CICS Toolkit
5655-N18	zSecure CICS Toolkit V2	zSecure CICS Toolkit

Terms and Conditions

The client's agreement to Country Multiplex Pricing terms and conditions is required for the receipt of CMP benefits. Clients must have a valid license to authorized IBM z Systems CMLC or MzNALC programs installed on qualified z13™, zEC12, zBC12, z196, z114, or future follow on servers that have implemented sub-capacity pricing.

All terms and conditions associated with CMP sub-capacity pricing, and the IBM Client Agreement (or equivalent) apply.

Clients are required to:

- Collect SMF and SCRT89 data required by the SCRT and retain that data for a period of not less than six months.
- Submit Multiplex reports from the most current version of SCRT with complete data for all LPARs on all machines for the entire reporting period to IBM no later than the 9th day of the submission month. Multiplex reports that reflect a changed product MSU level or a change to the program inventory on any machine 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. To place an order for a new license, or to discontinue licenses, move licenses between machines, report a hardware model upgrade or downgrade, or enable or disable product features, the client must contact IBM or their IBM Business Partner.
- Configure all machines in the Multiplex to send weekly Transmit System Availability Data (TSAD) to IBM via the IBM z Systems Remote Support Facility (RSF). If the machine cannot connect via the RSF, provide this TSAD via an alternate means documented in the SCRT Users Guide.
- Configure all machines in the Multiplex with Global Performance Data Control Authority as documented in the appropriate PR/SM™ Planning Guide for that machine.

The following documents are new for CMP:

- IBM Attachment for Country Multiplex Pricing (Z126-6965)
  - Required for clients to be eligible for CMP
- IBM Supplement for Country Multiplex Pricing (Z126-6966)
  - Required to establish the MSU Bases and MLC Base Factors upon entry into CMP
- IBM Amendment to the Attachment for zNALC License Charges on IBM System z[R] (Z126-6967)
  - Optional, but required for zNALC clients to be eligible for CMP
- IBM Amendment for Sub-Capacity for One-Time Charge Programs with Country Multiplex Pricing (Z126-6968)
  - Optional, but required for CMP clients to be eligible for IPLA sub-capacity

Additional zNALC terms and conditions described in the following documents apply for zNALC clients:

- IBM Attachment for zNALC License Charges on IBM System z (Z125-7454)
- IBM Exhibit for zNALC License Charges on IBM System z (Z125-7455)

Cancellation of Multiplex terms

A client may switch from CMP back to standard non-Multiplex pricing at any time. Such clients would be required to meet all applicable licensing terms, including standard sysplex aggregation rules and standard sub-capacity rules if requested. If participation in the CMP offering is terminated, a client may not resume participation in CMP for 12 months.

Statement of general direction

IBM intends to make CMP available to US Government customers at a future date.

IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice at IBM's sole discretion. Information regarding potential future products is intended to outline our general product direction and it should not

be relied on in making a purchasing decision. The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. Information about potential future products may not be incorporated into any contract. The development, release, and timing of any future features or functionality described for our products remain at our sole discretion.

Reference information

For a list of software programs that are eligible for CMLC, refer to the **Programs eligible for CMLC with MLC Program Families under CMP** section in this announcement.

For information about machine exhibits, visit the Mainframe Exhibits section of the z Systems Software Contracts website at

http://ibm.com/systems/z/swprice/reference/exhibits/hardware.html

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Corrections

(Corrected on August 12, 2015)
A document name was corrected under "Terms and Conditions."