



Technology Update Pricing for AEWLC offers price-performance advantages for IBM zEnterprise BC12 servers

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Overview

Complementing the information in the announcement of the IBM® zEnterprise® BC12 (zBC12) server in Hardware Announcement [113-121](#), dated July 23, 2013, IBM makes available:

- A new Technology Transition Offering (TTO), called Technology Update Pricing for Advanced Entry Workload License Charges (AEWLC)
- Revisions to the Technology Update Pricing for Advanced Workload License Charges (AWLC) offering and two revised Transition Charges for Sysplex offerings.

Technology Update Pricing for AEWLC uses the reporting mechanisms and existing Millions of Service Units per hour (MSU) tiers of the AEWLC pricing metric while extending the software price-performance provided by AEWLC.

Technology Update Pricing for AEWLC applies only to eligible z/OS®, z/TPF, and z/VSE® operating systems and their associated middleware programs when running on a single, stand-alone zBC12 server. It also applies to all these operating systems and their associated middleware programs when running in a z/VM® guest environment. For details, refer to the [Programs eligible for AEWLC](#) section. Entry Workload License Charges (EWLC) and the Midrange Workload License Charges (MWLC) license options are not available for a zBC12 server.

The revisions to the Technology Update Pricing for AWLC offering and the two Transition Charges for Sysplex offerings apply only to eligible z/OS and z/TPF operating systems and their associated middleware programs, when running in an aggregated Parallel Sysplex® or a Loosely Coupled Complex, respectively.

Benefits of Technology Update Pricing for AEWLC:

- Reduces AEWLC pricing on the zBC12 as compared to AEWLC on the IBM zEnterprise 114 (z114) server.
- Offers sub-capacity or full-capacity implementation.

Benefits of the revisions to Technology Update Pricing for AWLC:

- Offers actively coupled Parallel Sysplexes and Loosely Coupled Complexes, that consist entirely of zBC12 servers and IBM zEnterprise EC12 (zEC12) servers the benefit of aggregated Technology Update Pricing for AWLC.

Benefits of revisions to Transition Charges for Sysplexes:

- Offers actively coupled Parallel Sysplexes and Loosely Coupled Complexes with different generations of server hardware technology partial benefits of AWLC or partial benefits of Technology Upgrade Pricing for AWLC in proportion to the

percentage of zBC12 server and other IBM zEnterprise server capacity in the sysplex or complex.

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

Key prerequisites

Technology Update Pricing for AEWLC applies only to:

- Single, stand-alone zBC12 servers
- Specified eligible software programs that are included on the Programs Eligible for AEWLC list

Planned availability date

September 20, 2013

Description

Technology Update Pricing for AEWLC

When stand-alone zBC12 servers are priced with AEWLC, these servers receive a reduction to AEWLC pricing, which is called Technology Update Pricing for AEWLC.

Technology Update Pricing for AEWLC is a monthly-license-charge price structure available for eligible software programs running on an zBC12 server. Technology Update Pricing for AEWLC applies to z/OS operating system software and many of its associated middleware software programs, such as CICS® , DB2® , and IMS™ . For details, refer to the [Programs eligible for AEWLC](#) section.

Technology Update Pricing for AEWLC also applies to the z/TPF and z/VSE operating systems and associated middleware software programs. For details, refer to the [Programs eligible for AEWLC](#) section.

As an enhancement to AEWLC, which was announced in Software Announcement [211-300](#), dated September 20, 2011, Technology Update Pricing for AEWLC may be implemented in full-capacity or sub-capacity mode, under the terms previously available.

- Full-capacity: Monthly charges for Technology Update Pricing for AEWLC-priced programs are based on the total MSU capacity of the zBC12 server. To view the IBM MSU ratings for the zBC12 servers, visit the Mainframe Exhibits section of the System z® Software Contracts website
<http://ibm.com/systems/z/swprice/reference/exhibits/hardware.html>
- Sub-capacity: Monthly charges for Technology Update Pricing for AEWLC-priced software programs are based on the highest number of MSUs utilized by the combined Logical Partitions (LPARs) in which the Technology Update Pricing for AEWLC program executes during a reporting period. LPAR MSU utilization is measured by the Sub-Capacity Reporting Tool (SCRT) using the highest observed rolling four-hour, average MSUs utilization. If choosing sub-capacity pricing, you must use SCRT to generate sub-capacity reports and submit these reports to IBM each month. Your additional responsibilities under sub-capacity pricing are specified in the ICA Attachment for IBM System z AEWLC, (Z125-8755).

For more information about SCRT, refer to

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

Schedule of AEWLC reductions for Technology Update Pricing (TU2)

Number of zBC12 full-capacity MSUs	Reduction in monthly AEWLC
1 - 7 MSUs	5.0%
8 - 17 MSUs	5.0%
18 - 30 MSUs	5.0%
31 - 45 MSUs	5.0%
46 - 87 MSUs	4.0%
88 - 175 MSUs	4.0%
176 - 260 MSUs	4.0%
261 - 315 MSUs	4.0%
316 - 390 MSUs	4.0%
391 - more MSUs	4.0%

The number of MSUs used to determine the MSUs of a stand-alone zBC12 server are based on the announced, IBM full-capacity ratings that can be found on the Mainframe Exhibits section of the System z Software Contracts website

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

Technology Update Pricing for AWLC

When all the servers in an actively coupled Parallel Sysplex or in a Loosely Coupled Complex are zBC12 servers or IBM zEnterprise EC12 (zEC12) servers priced with AWLC, these servers receive a reduction to AWLC pricing, which is called Technology Update Pricing for AWLC, previously announced in Software Announcement [212-320](#), dated August 28, 2012, and Software Announcement [212-437](#), dated October 3, 2012.

AWLC Transition Charges for Sysplexes offerings

Throughout this announcement, the phrase, "TTO-eligible environment", refers to eligible z/OS and z/TPF operating systems and their associated middleware programs, when running in the following configurations priced with AWLC:

- In an aggregated z/OS Parallel Sysplex with a zBC12 server
- In an aggregated z/TPF Loosely Coupled Complex with a zBC12 server

The AWLC Transition Charges for Sysplexes offerings, previously announced in Software Announcement [212-320](#), dated August 28, 2012, and Software Announcement [212-437](#), dated October 3, 2012, are updated to include the zBC12 in the two variations:

- Transition Charges for Sysplexes (TC1)

When two or more servers consisting of one or more zEnterprise system servers (zEC12, zBC12, z196, and z114) with one or more z10™ EC or z10 BC servers, comprise a TTO-eligible environment, those servers remain on Workload License Charges (WLC) pricing, but receive a reduction to Variable Workload License Charge (VWLC) pricing across the TTO-eligible environment. This reduction provides a portion of the price-performance benefit related to AEWLC pricing based on the proportion of zEnterprise system server capacity within the TTO-eligible environment.

- Transition Charges for Sysplexes (TC2)

When two or more servers consisting of one or more zEC12 or zBC12 servers with one or more z196 or z114 servers, comprise a TTO-eligible environment, those servers remain on AWLC pricing, but receive a reduction to AWLC pricing across the TTO-eligible environment. This reduction provides a portion of the price-performance benefit related to Technology Update Pricing for AWLC based on the proportion of zEC12 or zBC12 server capacity within the TTO-eligible environment.

Rules for MSUs under TTOs

All MSUs used in determining Technology Update Pricing for AEWLC, Technology Update Pricing for AWLC, Transition Charges for Sysplexes (TC1), and Transition Charges for Sysplexes (TC2) exclude capacity related to specialty engines, unassigned capacity, and temporary capacity such as, but not limited to, Capacity Back Up, Capacity for Planned Events, and On/Off CoD.

Programs eligible for AEWLC

Note: AEWLC pricing eligibility is subject to program availability and includes new programs that become eligible for AEWLC.

Software Offering (SWO)	Entitlement Entity (EE)	Description
5695068	S000BKC	Airline Control System V2
5655Y04	S0172DF	CICS Transaction Server for z/OS, V5.1
5655S97	S015H9T	CICS Transaction Server for z/OS, V4.1
5655M15	S0118T7	CICS Transaction Server for z/OS, V3.2
5697E93	S00T7FK	CICS Transaction Server for z/OS, V2
5655147	S001CVJ	CICS Transaction Server for OS/390, V1
5648054	S00LRRW	CICS TS for VSE/ESA
5655018	S00151M	CICS/ESA V4 - CICS ONC RPC
5655018	S00151N	CICS/ESA V4 - CICS/ESA V4
5615DB2	S0171R2	DB2 for z/OS, V11
5615DB2	S0171R3	DB2 for z/OS, V11 - QMF Classic Edition
5615DB2	S0171R4	DB2 for z/OS, V11 - QMF Enterprise Edition
5605DB2	S015SW2	DB2 for z/OS, V10
5606DB2	S015SW3	DB2 for z/OS, V10 - QMF Enterprise Edition
5605DB2	S015SW4	DB2 for z/OS, V10 - QMF Classic Edition
5635DB2	S011XS0	DB2 for z/OS, V9
5635DB2	S012J7P	DB2 for z/OS, V9 - QMF Enterprise Edition
5635DB2	S012J7R	DB2 for z/OS, V9 - QMF Classic Edition
5635DB2	S015SLL	DB2 for z/OS, V9 - QMF Enterprise Edition: V10
5635DB2	S015SLK	DB2 for z/OS, V9 - QMF Classic Edition: V10
5625DB2	S00X44M	DB2 UDB for z/OS, V8
5625DB2	S00X44N	DB2 UDB for z/OS, V8 - QMF Enterprise Edition
5625DB2	S00X44P	DB2 UDB for z/OS, V8 - QMF Distributed Edition
5625DB2	S00X44R	DB2 UDB for z/OS, V8 - QMF Classic Edition
5625DB2	S010TGB	DB2 UDB for z/OS, V8 - DB2 Net Search Extender
5675DB2	S00SN65	DB2 UDB for OS/390, V7
5675DB2	S00SN6L	DB2 UDB for OS/390, V7 - DB2 Warehouse Manager
5675DB2	S00SN6M	DB2 UDB for OS/390, V7 - QMF for OS/390
5675DB2	S00SN6S	DB2 UDB for OS/390, V7 - QMF for windows feature of QMF
5675DB2	S00SN6X	DB2 UDB for OS/390, V7 - QMF for windows feature of DB2
5675DB2	S00TZJH	DB2 UDB for OS/390, V7 - DB2 Net Search Extender
5675DB2	S00VMTB	DB2 UDB for OS/390, V7 - QMF HPO V7.1.1
5645DB2	S00087N	DB2 UDB for OS/390, V6
5645DB2	S00087G	DB2 UDB for OS/390, V6 - QMF HPO Buy
5645DB2	S00087J	DB2 UDB for OS/390, V6 - QMF for windows-No QMF License
5645DB2	S00087M	DB2 UDB for OS/390, V6 - QMF for windows w/QMF License
5645DB2	S00087P	DB2 UDB for OS/390, V6 - QMF for OS/390
5645DB2	S00V5XB	DB2 UDB for OS/390, V6 - Net Search Extender
5645DB2	S00VWVP	DB2 UDB for OS/390, V6 - QMF for OS/390, V7
5645DB2	S00VWVT	DB2 UDB for OS/390, V6 - QMF for windows V7 (Feature of DB2)
5645DB2	S00VWVW	DB2 UDB for OS/390, V6 - QMF for windows V7 (Feature of QMF)
5645DB2	S00VWVZ	DB2 UDB for OS/390, V6 - QMF HPO V7
5655DB2	S001FJ7	DB2 for OS/390, V5
5655DB2	S001FJ8	DB2 for OS/390, V5 - DB2 Performance Monitor
5655DB2	S00MVJ2	DB2 for OS/390, V5 - QMF for windows V6 F/C
5655DB2	S00MVJ4	DB2 for OS/390, V5 - QMF for windows V6 with Host QMF prereq
5695DB2	S00184N	DB2 for MVS/ESA, V4

5706254	S00066F	Query Management Facility for MVS, V3 - HPO Manager
5706254	S00066G	Query Management Facility for MVS, V3 - QMF for windows
5706254	S00066H	Query Management Facility for MVS, V3 - HPO Complete
5706254	S00066J	Query Management Facility for MVS, V3 - HPO Compiler
5706254	S00066K	Query Management Facility for MVS, V3 - QMF for MVS, V3
5655S17	S01489W	Debug Tool for z/OS, V8
5655R44	S012PVX	Debug Tool for z/OS, V7
5655P14	S0121TL	Debug Tool for z/OS, V6
5655M18	S011CMT	Debug Tool for z/OS, V5
5655L24	S0109LN	Debug Tool for z/OS, V4
5655H32	S00X8FN	Debug Tool for z/OS and OS/390, V3
5655W32	S0177FX	Enterprise COBOL for z/OS, V5
5655S71	S014DVZ	Enterprise COBOL for z/OS, V4
5655G53	S00VXNM	Enterprise COBOL for z/OS, V3 - Full Function
5655G53	S00VXNN	Enterprise COBOL for z/OS, V3 - Alternate Function
5648A25	S001FGH	COBOL for OS/390 and VM, V2 - Full Function
5648A25	S001FGK	COBOL for OS/390 and VM, V2 - Alternate Function
5655W67	S0166DJ	Enterprise PL/I for z/OS, V4
5655H31	S00W183	Enterprise PL/I for z/OS and OS/390, V3 - Full Function
5655H31	S00W184	Enterprise PL/I for z/OS and OS/390, V3 - Alternate Function
5655B22	S00S8F5	VisualAge PL/I for OS/390, V2 - Full Function
5655B22	S00S8F4	VisualAge PL/I for OS/390, V2 - Alternate Function
5655P97	S01243R	IBM Encryption Facility for z/OS, V1
5655P97	S01256T	IBM Encryption Facility for z/OS, V1 - dss
5635A04	S0171RX	IMS V13 - IMS Transaction Manager
5635A04	S0171RS	IMS V13 - IMS Database Manager
5635A04	S0171RV	IMS V13 - IMS Extended Terminal Option
5635A04	S0171RW	IMS V13 - IMS Recovery Level Tracking
5635A04	S0171RT	IMS V13 - IMS DB-Level Tracking
5635A03	S0166J3	IMS V12 - IMS Transaction Manager
5635A03	S0166J4	IMS V12 - IMS Database Manager
5635A03	S0166J1	IMS V12 - IMS Extended Terminal Option
5635A03	S0166J2	IMS V12 - IMS Recovery Level Tracking
5635A03	S0166J5	IMS V12 - IMS DB-Level Tracking
5635A02	S0152Z0	IMS V11 - IMS Transaction Manager
5635A02	S0152Z1	IMS V11 - IMS Database Manager
5635A02	S0152XX	IMS V11 - IMS Extended Terminal Option
5635A02	S0152XZ	IMS V11 - IMS Recovery Level Tracking
5635A02	S0152Z2	IMS V11 - IMS DB-Level Tracking
5635A01	S012K9B	IMS V10 - IMS Transaction Manager
5635A01	S012K9W	IMS V10 - IMS Database Manager
5635A01	S012KB0	IMS V10 - IMS Extended Terminal Option
5635A01	S012K9Z	IMS V10 - IMS Recovery Level Tracking
5635A01	S012K9X	IMS V10 - IMS DB-Level Tracking
5655J38	S0108VV	IMS V9 - IMS Transaction Manager
5655J38	S0108VK	IMS V9 - IMS Database Manager
5655J38	S0108VP	IMS V9 - IMS Extended Terminal Option
5655J38	S0108VS	IMS V9 - IMS Recovery Level Tracking
5655J38	S0108VM	IMS V9 - IMS DB-Level Tracking
5655C56	S00W274	IMS V8 - IMS Transaction Manager
5655C56	S00W276	IMS V8 - IMS Database Manager
5655C56	S00W277	IMS V8 - IMS Extended Terminal Option
5655C56	S00W278	IMS V8 - IMS Recovery Level Tracking
5655C56	S00W275	IMS V8 - IMS DB-Level Tracking
5655B01	S00TBGB	IMS V7 - IMS Transaction Manager
5655B01	S00TBG7	IMS V7 - IMS Database Manager
5655B01	S00TBG6	IMS V7 - IMS Extended Terminal Option
5655B01	S00TBG8	IMS V7 - IMS Recovery Level Tracking
5655B01	S00TBG9	IMS V7 - IMS DB-Level Tracking
5655158	S001CFT	IMS/ESA V6 - Transaction Manager
5655158	S001CFP	IMS/ESA V6 - Database Manager
5655158	S001CFR	IMS/ESA V6 - Extended Terminal Option
5655158	S001CFN	IMS/ESA V6 - Recovery Level Tracking
5655158	S001CFS	IMS/ESA V6 - DB-Level Tracking

5695176	S00150D	IMS/ESA V5 - Transaction Manager
5695176	S00150G	IMS/ESA V5 - Database Manager
5695176	S00150H	IMS/ESA V5 - Extended Terminal Option
5695176	S00150F	IMS/ESA V5 - Recovery Level Tracking
5695176	S00150J	IMS/ESA V5 - DB-Level Tracking
5695176	S00150K	IMS/ESA V5 - Surveyor Feature
5655S73	S0144DV	Lotus Domino for z/OS, V8
5655N14	S011DT8	Lotus Domino for z/OS, V7
5655K36	S00XJ4K	Lotus Domino for z/OS, V6
5655B86	S00RXVG	Lotus Domino for S/390, V5
5645005	S000V5N	System Automation for OS/390, V1
5697NV6	S016RPV	Tivoli NetView for z/OS, V6
5697NV6	S016RPM	Tivoli NetView for z/OS, V6 - TEMA
5697ENV	S00WM20	Tivoli NetView for z/OS, V5
5697ENV	S0148PZ	Tivoli NetView for z/OS, V5 - TEMA
5697B82	S001FFC	Tivoli NetView for OS/390 - Enterprise
5697B82	S001FFD	Tivoli NetView for OS/390 - Unattended
5697B82	S001FFF	Tivoli NetView for OS/390 - Procedural
5655043	S00135C	Tivoli NetView Performance Monitor V2
5655043	S00135D	Tivoli NetView Performance Monitor V2 - NRDC
56970PC	S001FDV	Tivoli Operations Planning and Control V2 - Comm + Lang
56970PC	S001FDW	Tivoli Operations Planning and Control V2 - Agent + Enabler
56970PC	S001FDX	Tivoli Operations Planning and Control V2 - Tracker
5645006	S00SNWR	Tivoli System Automation for OS/390, V2
5697WSZ	S00W0CT	Tivoli workload scheduler for z/OS, V8
5697WSZ	S00W0CV	Tivoli workload scheduler for z/OS, V8 - Engine + Language
5697WSZ	S00W0CW	Tivoli workload scheduler for z/OS, V8 - End2End Enabler
5697NQZ	S012B7X	WebSphere MQ Extended Security Edition V6
5697NQZ	S012B80	WebSphere MQ Extended Security Edition V6 - Client Attachment
5697MQZ	S010N7W	WebSphere MQ Extended Security Edition V5
5697MQZ	S010N7T	WebSphere MQ Extended Security Edition V5 - Client Attachment
5655R36	S014V9Z	WebSphere MQ for z/OS, V7
5655R36	S014VB0	WebSphere MQ for z/OS, V7 - Client Attachment
5655L82	S011P8R	WebSphere MQ for z/OS, V6
5655L82	S011P8T	WebSphere MQ for z/OS, V6 - Client Attachment
5655F10	S00TDF5	WebSphere MQ for z/OS, V5
5655F10	S00TDFD	WebSphere MQ for z/OS, V5 - Client Attachment
5655A95	S00NB8L	MQSeries for OS/390, V2
5655A95	S00NB8K	MQSeries for OS/390, V2 - Client Attachment
5695137	S000PX4	MQSeries for MVS/ESA, V1
5695137	S000PX3	MQSeries for MVS/ESA, V1 - Client Attachment
5799GKY	S00TN86	MQSeries for OS/390 - PRPQ
5694A01	S00T4FR	z/OS V1 Base
5694A01	S00T4FS	z/OS V1 Alternate Base
5694A01	S00T4FT	z/OS V1 BDT FTF
5694A01	S00T4FV	z/OS V1 BDT SNA NJE
5694A01	S00T4FW	z/OS V1 BookManager Build
5694A01	S00T4FX	z/OS V1 C/C++ with Debug
5694A01	S00T4FZ	z/OS V1 XL C/C++
5694A01	S00T4G0	z/OS V1 DFSMS dsshsm
5694A01	S00T4G1	z/OS V1 DFSMS rmm
5694A01	S00T4G2	z/OS V1 DFSMS dss
5694A01	S00T4G3	z/OS V1 DFSORT
5694A01	S00T4G4	z/OS V1 GDDM-PGF
5694A01	S00T4G5	z/OS V1 GDDM-REXX
5694A01	S00T4G6	z/OS V1 HCM
5694A01	S00T4G7	z/OS V1 HLASM Toolkit
5694A01	S00T4G8	z/OS V1 Infoprint Server
5694A01	S00T4G9	z/OS V1 JES3
5694A01	S00T4GB	z/OS V1 RMF
5694A01	S00T4GC	z/OS V1 SDSF
5694A01	S00T4GD	z/OS V1 SOMobjects ADE
5694A01	S00T4GF	z/OS V1 Security Server
5694A01	S010776	z/OS V1 DFSMStvs
5650ZOS	S01728T	z/OS V2 Base
5650ZOS	S01728S	z/OS V2 Alternate Base
5650ZOS	S01728V	z/OS V2 BDT FTF

5650ZOS	S01728W	z/OS V2 BDT SNA NJE
5650ZOS	S01728X	z/OS V2 BookManager Build
5650ZOS	S01728Z	z/OS V2 XL C/C++
5650ZOS	S017291	z/OS V2 DFSMS dsshsm
5650ZOS	S017292	z/OS V2 DFSMS rmm
5650ZOS	S017290	z/OS V2 DFSMS dss
5650ZOS	S017294	z/OS V2 DFSORT
5650ZOS	S017295	z/OS V2 GDDM-PGF
5650ZOS	S017296	z/OS V2 GDDM-REXX
5650ZOS	S017297	z/OS V2 HCM
5650ZOS	S017298	z/OS V2 HLASM Toolkit
5650ZOS	S017299	z/OS V2 Infoprint Server
5650ZOS	S01729B	z/OS V2 JES3
5650ZOS	S01729C	z/OS V2 RMF
5650ZOS	S01729D	z/OS V2 SDSF
5650ZOS	S01729F	z/OS V2 Security Server
5650ZOS	S017293	z/OS V2 DFSMStvs
5650ZOS	S01780D	z/OS V2 zEDC
5748F15	S011DWP	z/Transaction Processing Facility Database Facility
5748T15	S011DWM	z/Transaction Processing Facility Enterprise Edition - HPO
5748T15	S011DWN	z/Transaction Processing Facility Enterprise Edition
5686CF9	S016TNK	z/VSE Central Functions, V9
5686CF9	S016TNJ	z/VSE Central Functions, V9 - Encryption Facility V1.2.0
5686CF8	S013NPW	z/VSE Central Functions, V8
5686CF8	S014BJL	z/VSE Central Functions, V8 - Encryption Facility V1.2.0
5686065	S0005X6	ACF/VTAM V4 VSE/ESA - VSE Client/Server
5686065	S0005X8	ACF/VTAM V4 VSE/ESA - ACF/VTAM V4 VSE Inter Enterprise
5686065	S0005XB	ACF/VTAM V4 VSE/ESA - VSE Multi Domain
5686A01	S001D2P	C/VSE Alt. Function Offering
5686A01	S001D2R	C/VSE Full Function Offering
5697F42	S00T41J	DB2 Server for VSE & VM, V7
5697F42	S00T41L	DB2 Server for VSE & VM, V7 - QMF for VM/VSE
5697F42	S00T41N	DB2 Server for VSE & VM, V7 - QMF for windows feature of DB2
5697F42	S00T41P	DB2 Server for VSE & VM, V7 - QMF for windows feature of QMF
5697F42	S00T41R	DB2 Server for VSE & VM, V7 - Control Center for VM/VSE
5697F42	S0149S3	DB2 Server for VSE & VM, V7 - Client Edition VSE - Primary
5697F42	S0149S6	DB2 Server for VSE & VM, V7 - Client Edition VM - Primary
5648099	S001808	DITTO/ESA FOR VSE
5746XX1	S0005FK	DL/I Data Language
5696234	S00128N	High Level Assembler (VSE Only)
5696234	S00128P	High Level Assembler Toolkit (VSE Only)
5686069	S0017WD	IBM PL/I VSE/ESA Alternate Function
5686069	S0017WG	IBM PL/I VSE/ESA Full Function
5746SM3	S0001RX	IBM DFSORT/VSE V3
5686068	S0017WM	IBM COBOL VSE/ESA - Alternate Function
5686068	S0017WP	IBM COBOL VSE/ESA - Full Function
5686BS1	S01613M	IPv6/VSE
5648F66	S015D6N	Rational COBOL Runtime for z/VSE
5686A04	S00RZF7	TCP/IP for VSE - GPS
5686A04	S001G2C	TCP/IP for VSE - NFS
5686A04	S001G2D	TCP/IP for VSE - Application Pak
5655U97	S015B77	WebSphere MQ for z/VSE, V3 - Base
5686A06	S00LSXZ	MQ Series for VSE/ESA V1

Terms and conditions

All terms and conditions associated with Technology Update Pricing for AEWLC, sub-capacity pricing, the Attachment for IBM System z Advanced Entry Workload License Charges, and the IBM Customer Agreement apply.

In conjunction with software programs implemented with Technology Update Pricing for AEWLC, programs which have Tiered Workload License Charges (TWLC) will continue to be charged using TWLC. These programs have one, flat monthly charge per IBM System z server, based on a tiered structure.

System z New Application License Charges (zNALC) and Select Application License Charges (SALC) remain available for their respective eligible programs under their respective terms and conditions on servers with Technology Update Pricing for AEWLC.

AEWLC terms and conditions described in the Attachment for IBM System z Advanced Entry Workload License Charges (Z125-8755) apply to Technology Update Pricing for AEWLC.

The Supplement for Technology Transition Offerings to Attachment for IBM System z Advanced Workload License Charges and to Attachment for IBM System z Advanced Entry Workload License Charges and to IBM System z Machines Exhibit (Z125-8994) document is updated for the four TTOs, that consist of Technology Update Pricing for AEWLC, Technology Update Pricing for AWLC, and the two revised Transition Charges for Sysplexes program offering variations.

AWLC terms and conditions described in the following documents apply to Technology Update Pricing for AWLC and both Transition Charges for Sysplexes offering variations:

- Attachment for IBM System z Advanced Workload License Charges (Z125-8538)
- IBM System z Advanced Workload License Charges Exhibit (Z125-8539)
- Amendment for Aggregation of Charges for z/TPF (Z125-7357)

In addition, WLC terms and conditions described in the following documents also apply to Transition Charges for Sysplexes (TC1):

- Attachment for IBM System z Workload License Charges (Z125-6516)
- IBM System z Workload License Charges Exhibit (Z125-6324)

Parallel Sysplex License Charges (PSLC) are available as an alternative charge metric for eligible software programs running on a zBC12 server in an actively coupled Parallel Sysplex or Loosely Coupled Complex. If available for your specific configuration, you have a choice of selecting either Technology Update Pricing for AWLC or PSLC, but not both, for your IBM software programs within the z/OS or z/TPF operating system families on a zBC12 server.

In conjunction with software programs implemented with PSLC, System 390 Usage Pricing remains available for your respective eligible programs under System 390 Usage Pricing terms and conditions.

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<https://www.ibm.com/partnerworld/mem/sla.jsp?num=213-305>

Reference information

For a list of software programs that are eligible for AEWLC, refer to the [Programs eligible for AEWLC](#) section in this announcement.

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

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

For information about the IBM zEnterprise BC12, refer to Hardware Announcement [113-121](#), dated July 23, 2013.

For additional information on AEWLC, refer to Software Announcement [211-300](#), dated September 20, 2011.

Program number

Program number	Description
5695-068	Airline Control System V2
5655-Y04	CICS Transaction Server for z/OS, V5.1
5655-S97	CICS Transaction Server for z/OS, V4.1
5655-M15	CICS Transaction Server for z/OS, V3.2
5697-E93	CICS Transaction Server for z/OS, V2
5655-147	CICS Transaction Server for OS/390®, V1
5648-054	CICS TS for VSE/ESA
5655-018	CICS/ESA V4 - CICS ONC RPC
5655-018	CICS/ESA V4 - CICS/ESA V4
5615-DB2	DB2 for z/OS, V11
5615-DB2	DB2 for z/OS, V11 - QMF™ Classic Edition
5615-DB2	DB2 for z/OS, V11 - QMF Enterprise Edition
5605-DB2	DB2 for z/OS, V10
5606-DB2	DB2 for z/OS, V10 - QMF Enterprise Edition
5605-DB2	DB2 for z/OS, V10 - QMF Classic Edition
5635-DB2	DB2 for z/OS, V9
5635-DB2	DB2 for z/OS, V9 - QMF Enterprise Edition
5635-DB2	DB2 for z/OS, V9 - QMF Classic Edition
5635-DB2	DB2 for z/OS, V9 - QMF Enterprise Edition: V10
5635-DB2	DB2 for z/OS, V9 - QMF Classic Edition: V10
5625-DB2	DB2 UDB for z/OS, V8
5625-DB2	DB2 UDB for z/OS, V8 - QMF Enterprise Edition
5625-DB2	DB2 UDB for z/OS, V8 - QMF Distributed Edition
5625-DB2	DB2 UDB for z/OS, V8 - QMF Classic Edition
5625-DB2	DB2 UDB for z/OS, V8 - DB2 Net Search Extender
5675-DB2	DB2 UDB for OS/390, V7
5675-DB2	DB2 UDB for OS/390, V7 - DB2 Warehouse Manager
5675-DB2	DB2 UDB for OS/390, V7 - QMF for OS/390
5675-DB2	DB2 UDB for OS/390, V7
	- QMF for Windows™ feature of QMF
5675-DB2	DB2 UDB for OS/390, V7
	- QMF for windows feature of DB2
5675-DB2	DB2 UDB for OS/390, V7
	- DB2 Net Search Extender
5675-DB2	DB2 UDB for OS/390, V7 - QMF HPO V7.1.1
5645-DB2	DB2 UDB for OS/390, V6
5645-DB2	DB2 UDB for OS/390, V6 - QMF HPO Buy
5645-DB2	DB2 UDB for OS/390, V6
	- QMF for Windows-No QMF License
5645-DB2	DB2 UDB for OS/390, V6
	- QMF for Windows w/QMF License
5645-DB2	DB2 UDB for OS/390, V6 - QMF for OS/390
5645-DB2	DB2 UDB for OS/390, V6 - Net Search Extender
5645-DB2	DB2 UDB for OS/390, V6 - QMF for OS/390, V7
5645-DB2	DB2 UDB for OS/390, V6
	- QMF for Windows V7 (Feature of DB2)

5645-DB2 DB2 UDB for OS/390, V6
 - QMF for windows V7 (Feature of QMF)
 5645-DB2 DB2 UDB for OS/390, V6 - QMF HPO V7
 5655-DB2 DB2 for OS/390, V5
 5655-DB2 DB2 for OS/390, V5 - DB2 Performance Monitor
 5655-DB2 DB2 for OS/390, V5 - QMF for windows V6 F/C
 5655-DB2 DB2 for OS/390, V5
 - QMF for windows V6 with Host QMF prereq
 5695-DB2 DB2 for MVS/ESA, V4
 5706-254 Query Management Facility™ for MVS™, V3
 - HPO Manager
 5706-254 Query Management Facility for MVS, V3
 - QMF for windows
 5706-254 Query Management Facility for MVS, V3
 - HPO Complete
 5706-254 Query Management Facility for MVS, V3
 - HPO Compiler
 5706-254 Query Management Facility for MVS, V3
 - QMF for MVS, V3
 5655-S17 Debug Tool for z/OS, V8
 5655-R44 Debug Tool for z/OS, V7
 5655-P14 Debug Tool for z/OS, V6
 5655-M18 Debug Tool for z/OS, V5
 5655-L24 Debug Tool for z/OS, V4
 5655-H32 Debug Tool for z/OS and OS/390, V3
 5655-W32 Enterprise COBOL for z/OS, V5
 5655-S71 Enterprise COBOL for z/OS, V4
 5655-G53 Enterprise COBOL for z/OS, V3 - Full Function
 5655-G53 Enterprise COBOL for z/OS, V3
 - Alternate Function
 5648-A25 COBOL for OS/390 and VM, V2 - Full Function
 5648-A25 COBOL for OS/390 and VM, V2
 - Alternate Function
 5655-W67 Enterprise PL/I for z/OS, V4
 5655-H31 Enterprise PL/I for z/OS
 and OS/390, V3 - Full Function
 5655-H31 Enterprise PL/I for z/OS
 and OS/390, V3 - Alternate Function
 5655-B22 VisualAge® PL/I for OS/390, V2 - Full Function
 5655-B22 VisualAge PL/I for OS/390, V2
 - Alternate Function
 5655-P97 IBM Encryption Facility for z/OS, V1
 5655-P97 IBM Encryption Facility for z/OS, V1 - dss
 5635-A04 IMS V13 - IMS Transaction Manager
 5635-A04 IMS V13 - IMS Database Manager
 5635-A04 IMS V13 - IMS Extended Terminal Option
 5635-A04 IMS V13 - IMS Recovery Level Tracking
 5635-A04 IMS V13 - IMS DB-Level Tracking
 5635-A03 IMS V12 - IMS Transaction Manager
 5635-A03 IMS V12 - IMS Database Manager
 5635-A03 IMS V12 - IMS Extended Terminal Option
 5635-A03 IMS V12 - IMS Recovery Level Tracking
 5635-A03 IMS V12 - IMS DB-Level Tracking
 5635-A02 IMS V11 - IMS Transaction Manager
 5635-A02 IMS V11 - IMS Database Manager
 5635-A02 IMS V11 - IMS Extended Terminal Option
 5635-A02 IMS V11 - IMS Recovery Level Tracking
 5635-A02 IMS V11 - IMS DB-Level Tracking
 5635-A01 IMS V10 - IMS Transaction Manager
 5635-A01 IMS V10 - IMS Database Manager
 5635-A01 IMS V10 - IMS Extended Terminal Option
 5635-A01 IMS V10 - IMS Recovery Level Tracking
 5635-A01 IMS V10 - IMS DB-Level Tracking
 5655-J38 IMS V9 - IMS Transaction Manager
 5655-J38 IMS V9 - IMS Database Manager
 5655-J38 IMS V9 - IMS Extended Terminal Option
 5655-J38 IMS V9 - IMS Recovery Level Tracking
 5655-J38 IMS V9 - IMS DB-Level Tracking
 5655-C56 IMS V8 - IMS Transaction Manager
 5655-C56 IMS V8 - IMS Database Manager
 5655-C56 IMS V8 - IMS Extended Terminal Option
 5655-C56 IMS V8 - IMS Recovery Level Tracking

5655-C56 IMS V8 - IMS DB-Level Tracking
 5655-B01 IMS V7 - IMS Transaction Manager
 5655-B01 IMS V7 - IMS Database Manager
 5655-B01 IMS V7 - IMS Extended Terminal Option
 5655-B01 IMS V7 - IMS Recovery Level Tracking
 5655-B01 IMS V7 - IMS DB-Level Tracking
 5655-158 IMS/ESA® V6 - Transaction Manager
 5655-158 IMS/ESA V6 - Database Manager
 5655-158 IMS/ESA V6 - Extended Terminal Option
 5655-158 IMS/ESA V6 - Recovery Level Tracking
 5655-158 IMS/ESA V6 - DB-Level Tracking
 5695-176 IMS/ESA V5 - Transaction Manager
 5695-176 IMS/ESA V5 - Database Manager
 5695-176 IMS/ESA V5 - Extended Terminal Option
 5695-176 IMS/ESA V5 - Recovery Level Tracking
 5695-176 IMS/ESA V5 - DB-Level Tracking
 5695-176 IMS/ESA V5 - Surveyor Feature
 5655-S73 Lotus® Domino® for z/OS, V8
 5655-N14 Lotus Domino for z/OS, V7
 5655-K36 Lotus Domino for z/OS, V6
 5655-B86 Lotus Domino for S/390®, V5
 5645-005 System Automation for OS/390, V1
 5697-NV6 Tivoli® NetView® for z/OS, V6
 5697-NV6 Tivoli NetView for z/OS, V6 - TEMA
 5697-ENV Tivoli NetView for z/OS, V5
 5697-ENV Tivoli NetView for z/OS, V5 - TEMA
 5697-B82 Tivoli NetView for OS/390 - Enterprise
 5697-B82 Tivoli NetView for OS/390 - Unattended
 5697-B82 Tivoli NetView for OS/390 - Procedural
 5655-043 Tivoli NetView Performance Monitor V2
 5655-043 Tivoli NetView Performance Monitor V2 - NRDC
 5697-OPC Tivoli Operations Planning and
 Control V2 - Comm + Lang
 5697-OPC Tivoli Operations Planning and
 Control V2 - Agent + Enabler
 5697-OPC Tivoli Operations Planning and
 Control V2 - Tracker
 5645-006 Tivoli System Automation for OS/390, V2
 5697-WSZ Tivoli workload scheduler for z/OS, V8
 5697-WSZ Tivoli workload scheduler for z/OS, V8
 - Engine + Language
 5697-WSZ Tivoli workload scheduler for z/OS, V8
 - End2End Enabler
 5697-NQZ Websphere® MQ Extended Security Edition V6
 5697-NQZ Websphere MQ Extended Security Edition V6
 - Client Attachment
 5697-MQZ Websphere MQ Extended Security Edition V5
 5697-MQZ Websphere MQ Extended Security Edition V5
 - Client Attachment
 5655-R36 websphere MQ for z/OS, V7
 5655-R36 websphere MQ for z/OS, V7 - Client Attachment
 5655-L82 Websphere MQ for z/OS, V6
 5655-L82 websphere MQ for z/OS, V6 - Client Attachment
 5655-F10 websphere MQ for z/OS, V5
 5655-F10 websphere MQ for z/OS, V5 - Client Attachment
 5655-A95 MQSeries® for OS/390, V2
 5655-A95 MQSeries for OS/390, V2 - Client Attachment
 5695-137 MQSeries for MVS/ESA, V1
 5695-137 MQSeries for MVS/ESA, V1 - Client Attachment
 5799-GKY MQSeries for OS/390 - PRPQ
 5694-A01 z/OS V1 Base
 5694-A01 z/OS V1 Alternate Base
 5694-A01 z/OS V1 BDT FTF
 5694-A01 z/OS V1 BDT SNA NJE
 5694-A01 z/OS V1 BookManager® Build
 5694-A01 z/OS V1 C/C++ with Debug
 5694-A01 z/OS V1 XL C/C++
 5694-A01 z/OS V1 DFSMS dsshsm
 5694-A01 z/OS V1 DFSMS rmm
 5694-A01 z/OS V1 DFSMS dss
 5694-A01 z/OS V1 DFSORT
 5694-A01 z/OS V1 GDDM-PGF
 5694-A01 z/OS V1 GDDM-REXX
 5694-A01 z/OS V1 HCM

5694-A01 z/OS V1 HLASM Toolkit
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5694-A01 z/OS V1 JES3
5694-A01 z/OS V1 RMF
5694-A01 z/OS V1 SDSF
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5650-ZOS z/OS V2 DFSMS rmm
5650-ZOS z/OS V2 DFSMS dss
5650-ZOS z/OS V2 DFSORT
5650-ZOS z/OS V2 GDDM-PGF
5650-ZOS z/OS V2 GDDM-REXX
5650-ZOS z/OS V2 HCM
5650-ZOS z/OS V2 HLASM Toolkit
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5650-ZOS z/OS V2 RMF
5650-ZOS z/OS V2 SDSF
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Database Facility
5748-T15 z/Transaction Processing Facility
Enterprise Edition - HPO
5748-T15 z/Transaction Processing Facility
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5686-CF9 z/VSE Central Functions, V9
- Encryption Facility V1.2.0
5686-CF8 z/VSE Central Functions, V8
5686-CF8 z/VSE Central Functions, V8
- Encryption Facility V1.2.0
5686-065 ACF/VTAM V4 VSE/ESA - VSE Client/Server
5686-065 ACF/VTAM V4 VSE/ESA
- ACF/VTAM V4 VSE Inter Enterprise
5686-065 ACF/VTAM V4 VSE/ESA - VSE Multi Domain
5686-A01 C/VSE Alt. Function Offering
5686-A01 C/VSE Full Function Offering
5697-F42 DB2 Server for VSE & VM, V7
5697-F42 DB2 Server for VSE & VM, V7 - QMF for VM/VSE
5697-F42 DB2 Server for VSE & VM, V7
- QMF for Windows feature of DB2
5697-F42 DB2 Server for VSE & VM, V7
- QMF for Windows feature of QMF
5697-F42 DB2 Server for VSE & VM, V7
- Control Center for VM/VSE
5697-F42 DB2 Server for VSE & VM, V7
- Client Edition VSE - Primary
5697-F42 DB2 Server for VSE & VM, V7
- Client Edition VM - Primary
5648-099 DITTO/ESA FOR VSE
5746-XX1 DL/I Data Language
5696-234 High Level Assembler (VSE only)
5686-069 IBM PL/I VSE/ESA Alternate Function
5686-069 IBM PL/I VSE/ESA Full Function
5746-SM3 IBM DFSORT/VSE V3
5686-068 IBM COBOL VSE/ESA - Alternate Function
5686-068 IBM COBOL VSE/ESA - Full Function
5686-BS1 IPV6/VSE
5648-F66 Rational® COBOL Runtime for z/VSE
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5686-A04 TCP/IP for VSE - NFS
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