



Technology Update Pricing for AWLC offers price-performance advantages for IBM zEnterprise EC12 servers

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Overview

Complementing the announcement of the IBM zEnterprise EC12™ (zEC12™) server, IBM® provides three Technology Transition Offerings that consist of Technology Update Pricing for Advanced Workload License Charges (AWLC) and two revised Transition Charges for Sysplexes programs.

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

The three Technology Transition Offerings apply only to eligible z/OS® and z/TPF operating systems and their associated middleware programs when running on an IBM zEnterprise® EC12 server or in an aggregated Parallel Sysplex® with an IBM zEnterprise EC12 server. For details, refer to the [Programs eligible for AWLC](#) section.

Benefits of Technology Update Pricing for AWLC

- Reduces AWLC pricing on the IBM zEnterprise EC12 as compared to AWLC on the IBM zEnterprise 196 (z196) server with greater than 3 MSUs.
- Offers sub-capacity or full capacity implementation.

If you are operating a single, stand-alone zEC12 server, you may elect Technology Update Pricing for AWLC or Parallel Sysplex License Charges (PSLC), subject to all applicable terms and conditions.

If you are operating only zEC12 servers in an actively coupled Parallel Sysplex , you may elect aggregated Technology Update Pricing for AWLC or aggregated Parallel Sysplex License Charges (PSLC). Both options are subject to all applicable terms and conditions.

Benefits of revisions to Transition Charges for Sysplexes:

- Offers actively coupled Parallel Sysplexes 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 zEC12 server capacity in the sysplex.
- Offers sub-capacity or full capacity implementation.

AWLC Transition Charges for Sysplexes (TC2) program provides aggregated AWLC along with a reduction in AWLC as you upgrade to zEC12 servers within actively coupled Parallel Sysplexes with a mix of zEnterprise system server technologies including one or more zEC12 servers with one or more z196 or IBM zEnterprise 114 (z114) servers.

Aggregated Technology Update Pricing for AWLC is not available for actively coupled Parallel Sysplexes until all of the servers in the sysplex are upgraded to zEC12 servers.

AWLC Transition Charges for Sysplexes (TC1) program provides aggregated Variable Workload License Charges (VWLC) as well as a reduction in VWLC as you upgrade servers to zEC12, z196, or z114 servers within actively coupled Parallel Sysplexes with a mix of System z® server technologies that includes both of the following:

- One or more zEC12, z196, or z114 servers with
- One or more System z10® Enterprise Class (z10™ EC) or System z10 Business Class (z10 BC) servers

Aggregated Technology Update Pricing for AWLC is not available for actively coupled Parallel Sysplexes until all of the servers in the sysplex are upgraded to zEC12 servers.

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 AWLC is available only for single, stand-alone zEC12 servers or for actively coupled Parallel Sysplexes that consist only of zEC12 servers.
- Technology Update Pricing for AWLC and Transition Charges for Sysplexes apply only to specified eligible software programs that are included on the Programs Eligible for AWLC list.

Planned availability date

September 19, 2012

Description

Three Technology Transition Offerings that consist of Technology Update Pricing for AWLC and two revised Transition Charges for Sysplexes program variations are being made available.

Technology Update Pricing for AWLC

When stand-alone zEC12 servers are priced with AWLC, or when all the servers in an actively coupled Parallel Sysplex are zEC12 servers priced with AWLC, these servers receive a reduction to AWLC pricing which is called Technology Update Pricing for AWLC.

Technology Update Pricing for AWLC is a monthly license charge price structure available for eligible software programs running on an IBM zEnterprise EC12 server. Technology Update Pricing for AWLC applies to z/OS operating system software and many of its associated middleware software programs, such as CICS®, DB2®, and IMS™.

Technology Update Pricing for AWLC also applies to the z/TPF and its associated z/TPFDF programs. Other IBM operating systems and associated middleware software programs continue to be licensed and priced based on previously announced charge structures.

For details, refer to the [Programs eligible for AWLC](#) section.

As an enhancement to AWLC, previously announced in Software Announcement [210-238](#), dated July 22, 2010, Technology Update Pricing for AWLC, may be implemented in full capacity or sub-capacity mode under the previously announced terms.

- Full-capacity: Monthly charges for Technology Update Pricing for AWLC-priced programs are based on the total MSU capacity of the IBM zEnterprise EC12 server. To view the IBM MSU ratings for the IBM zEnterprise EC12 servers, visit the Mainframe Exhibits section of the System z Software Contracts website at <http://ibm.com/systems/z/swprice/reference/exhibits/hardware.html>
- Sub-capacity: Monthly charges for Technology Update Pricing for AWLC-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 AWLC program executes during a reporting period. LPAR MSU utilization is measured by the Sub-Capacity Reporting Tool (SCRT) using the highest observed rolling 4-hour average MSUs utilization. Customers choosing sub-capacity pricing must use SCRT to generate sub-capacity reports and submit these reports to IBM each month. Additional customer responsibilities under sub-capacity pricing are specified in the ICA Attachment for IBM System z AWLC, (Z125-8538).

For more information about SCRT, refer to

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

Schedule of AWLC reductions for Technology Update Pricing for AWLC (TU1)

Number of zEC12 Full Capacity MSUs for a stand-alone server, or the sum of Full Capacity MSUs in an actively coupled Parallel Sysplex made up entirely of zEC12 servers	Reduction in monthly AWLC
4 - 45 MSUs	2.0%
46 - 315 MSUs	4.0%
316 - 1315 MSUs	4.5%
1316 - 2676 MSUs	5.0%
2677 - 5476 MSUs	6.0%
5477 - more MSUs	7.0%

The number of MSUs used to determine either the MSUs of a stand-alone zEC12 server or the total MSUs of a zEC12 Parallel Sysplex 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 at

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

AWLC Transition Charges for Sysplexes program

The AWLC Transition Charges for Sysplexes program, previously announced in Software Announcement [210-238](#), dated July 22, 2010, is updated to include the zEC12 and now includes two variations, **Transition Charges for Sysplexes (TC1)** and **Transition Charges for Sysplexes (TC2)**:

- **Transition Charges for Sysplexes (TC1)**

When two or more servers exist in an actively coupled Parallel Sysplexes consisting of one or more zEnterprise system servers (zEC12, z196, and z114) with one or more z10 EC or z10 BC servers, all servers within the Parallel Sysplex remain on Workload License Charges (WLC) pricing, but receive a reduction to

VWLC pricing across the aggregated Parallel Sysplex . This reduction provides a portion of the price-performance benefit related to AWLC pricing based on the proportion of zEnterprise system server capacity within the Parallel Sysplex .

- **Transition Charges for Sysplexes (TC2)**

When two or more servers exist in an actively coupled Parallel Sysplex consisting of one or more zEC12 servers with one or more z196 or z114 servers, all servers within the Parallel Sysplex remain on AWLC pricing, but receive a reduction to AWLC pricing across the aggregated Parallel Sysplex . This reduction provides a portion of the price-performance benefit related to Technology Update Pricing for AWLC based on the proportion of zEC12 server capacity within the Parallel Sysplex .

Rules for MSUs under Technology Transition Offerings

All MSUs used in determining 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".

Rules for aggregation under Technology Transition Offerings

Aggregation of product MSUs across multiple System z servers is allowed if the servers meet the actively coupled Parallel Sysplex definition rules in the Attachment for IBM System z Advanced Workload License Charges, (Z125-8538). z/OS must be licensed and running in z/Architecture® (64-bit) mode on each of the System z servers of a Parallel Sysplex receiving aggregated Technology Update Pricing for AWLC, or aggregated AWLC under Transition Charges for Sysplexes (TC2), or aggregated VWLC under Transition Charges for Sysplexes (TC1). FWLC products do not aggregate MSUs since their charge is independent of machine size or LPAR utilization.

Terms and conditions

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

In conjunction with software programs implemented with Technology Update Pricing for AWLC, programs having Flat Workload License Charges (FWLC) will continue to be charged using FWLC. These programs have one flat monthly charge per IBM System z server, independent of the size of the machine to which the program is licensed.

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 AWLC.

Documents updated specifically for the three Technology Transition Offerings, consisting of Technology Update Pricing for AWLC and the two revised Transition Charges for Sysplexes program variations include the Supplement for Technology Transition Offerings to Attachment for IBM System z Advanced Workload License Charges (Z125-8994).

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

- Attachment for IBM System z Advanced Workload License Charges (Z125-8538)
- IBM System z Advanced Workload License Charges Exhibit (Z125-8539)

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 zEC12 server. 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 zEC12 server. In conjunction with software programs implemented with PSLC, System z Usage Pricing Charges remain available for your respective eligible programs under **System z Usage Pricing Charges terms and conditions.**

Programs eligible for AWLC

Note: Program eligibility is subject to product availability, including new programs that become eligible for AWLC.

Software Offering (SWO)	Entitlement Entity (EE)	Description
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
5655018	S00151M	CICS/ESA V4 - CICS ONC RPC
5655018	S00151N	CICS/ESA V4 - CICS/ESA V4
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
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	S00VWTB	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

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 - IMS/ESA Transaction Manager
5655158	S001CFP	IMS/ESA V6 - IMS/ESA Database Manager
5655158	S001CFR	IMS/ESA V6
		- IMS/ESA V6 Extended Terminal Option
5655158	S001CFN	IMS/ESA V6
		- IMS/ESA Recovery Level Tracking
5655158	S001CFS	IMS/ESA V6
		- IMS/ESA DB-Level Tracking
5695176	S00150D	IMS/ESA V5 - IMS/ESA Transaction Manager
5695176	S00150G	IMS/ESA V5 - IMS/ESA Database Manager
5695176	S00150H	IMS/ESA V5 - IMS/ESA Extended Terminal Option
5695176	S00150F	IMS/ESA V5 - IMS/ESA Recovery Level Tracking
5695176	S00150J	IMS/ESA V5 - IMS/ESA DB-Level Tracking
5695176	S00150K	IMS/ESA V5 - IMS/ESA Surveyor Feature
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
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
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
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
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 C/C++ without Debug
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
5645005	S000V5N	System Automation for OS/390, V1
5645006	S00SNWR	System Automation for OS/390, V2
5695068	S000BKC	Airline Control System 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
5697OPC	S001FDV	Tivoli Operations Planning and Control V2 - Comm + Lang
5697OPC	S001FDW	Tivoli Operations Planning and Control V2 - Agent + Enabler
5697OPC	S001FDX	Tivoli Operations Planning and Control V2 - Tracker
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
5799GKY	S00TN86	MQSeries for OS/390 - PRPQ
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
5655P97	S01243R	IBM Encryption Facility for z/OS, V1
5655P97	S01256T	IBM Encryption Facility for z/OS, V1 - dss
5655043	S00135C	Tivoli NetView Performance Monitor V2
5655043	S00135D	Tivoli NetView Performance Monitor V2 - NRDC
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

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=212-320>

Reference information

For a list of software programs that are eligible for AWLC, refer to the [Programs eligible for AWLC](#) 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 EC12, refer to Hardware Announcement [112-155](#), dated August 28, 2012.

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Corrections

(Corrected on September 22, 2012)

The Programs eligible for AWLC section is revised.