



IBM IMS tools enhancements can assist in managing your IMS environment

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At a glance

IBM® IMS™ tools deliver:

- Application management
IBM IMS Batch Backout Manager for z/OS® , V1.2 (5697-H75)
- Performance management
IBM IMS Buffer Pool Analyzer for z/OS , V1.4 (5697-H77)
IBM IMS Network Compression Facility for z/OS , V1.2 (5655-E41)
- Transaction management
IBM IMS Command Control Facility for z/OS , V2.2 (5655-R58)
IBM IMS High Performance System Generation Tools for z/OS , V2.3 (5655-P43)

For ordering, contact your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL (Reference: LE001).

Overview

IBM IMS Batch Backout Manager for z/OS , V1.2 (5697-H75) is an application management tool that can help you:

- Manage recovery from DLI application abends
- Improve database availability

IBM IMS Buffer Pool Analyzer for z/OS , V1.4 (5697-H77) is a performance management tool that can:

- Review the buffer pool environment
- Recommend changes to the number of buffers in each subpool to improve performance
- Project the impact of buffer pool changes
- Provide detailed statistical reports

IBM IMS Command Control Facility for z/OS , V2.2 (5655-R58) is a transaction management tool that can help you:

- Manage your database environment more efficiently
- Improve overall system performance

IBM IMS High Performance System Generation Tools for z/OS , V2.3 (5655-P43) is a transaction management tool that can:

- Dynamically alter IMS sysgen application resources
- Help you reduce or avoid emergency IMS sysgens because databases or transactions were not included in the most recent IMS sysgen

IBM IMS Network Compression Facility for z/OS , V1.2 (5655-E41) is a performance management tool that:

- Compresses data streams transferred between IBM System z® hosts and end users
- Can help reduce both end-user response time and line costs

Key prerequisites

The products in this announcement will operate on any IBM System z hardware configuration that supports the required software. Refer to the [Hardware requirements](#) and [Software requirements](#) sections for details.

Planned availability date

August 30, 2013

Description

IBM IMS Batch Backout Manager for z/OS , V1.2 (5697-H75) is an application management tool that can help users manage the recovery from Data Language/I (DL/I) application ABENDs by reducing manual intervention and improving database availability.

When an IMS batch DL/I application ABEND occurs, two actions must be taken:

- Close the current batch system log data set (SLDS)
- Perform batch backout

Until both actions are taken and batch backout completes, database availability is impacted. In a data sharing environment, locks are not released until batch backout is complete. In a nondata sharing environment, the entire database is unavailable until the backout is complete.

Manual recovery requires time to prepare job control language (JCL) and submit the log close and batch backout jobs. The manual process also introduces an increased possibility of errors, which could result in the need for a lengthy database recovery. When these recovery steps are executed automatically using IMS Batch Backout Manager for z/OS , manual errors are reduced, the time required to perform the backout is reduced, and database availability is improved.

IMS Batch Backout Manager for z/OS performs the following tasks to automate the recovery from an IMS DL/I batch job ABEND:

- Allocates an interim batch SLDS for the log close
- Closes the interim batch SLDS
- Dynamically allocates the batch SLDS required for batch backout
- Performs the batch backout

IMS Batch Backout Manager for z/OS includes the following capabilities:

- Dynamically allocates log data sets for batch jobs without a log in the JCL (helpful when converting to use DBRC)
- Bypasses allocation of batch logs for read-only PSBs
- Forces DBRC=, IRLM=, and IRLMNM= parameters to specific values for specified batch jobs, making DBRC or data sharing implementation easier

IMS Batch Backout Manager for z/OS , V1.2 contains the following enhancements:

- Support of IMS V13
- Maintenance rollup

IBM IMS Buffer Pool Analyzer for z/OS , V1.4 (5697-H77) is a performance management tool that provides detailed statistical analysis reporting that can help users evaluate current IMS online and batch job database buffer pools. Additionally, it provides the information required to help determine whether changes to the buffer pool configuration would benefit IMS performance.

Every database buffer pool has different characteristics, so it is difficult to know how configuration changes might affect each one. Often, users have to resort to guesswork and hope that tuning activities will not impede input/output (I/O) rates.

IMS Buffer Pool Analyzer for z/OS provides the following capabilities:

- Reviews the buffer pool environment and recommends changes to the number of buffers in each subpool to improve performance
- Provides information on the efficiency of OSAM cached buffers in a coupling facility (CF) and shows the effect of changing the amount of storage allocated to OSAM buffers in the CF
- Reviews the databases allocated to each subpool, documents subpools that include databases with inconsistent hit ratios, and provides the information that can be used to change the subpool configuration
- Identifies storage that may be being wasted because the most efficient buffer sizes are not available for database data sets
- Helps you determine if adding or subtracting buffers will improve the performance of a selected buffer pool
- Models buffer pool usage to determine I/O rates for various numbers of buffers in each pool
- Identifies which databases most heavily use each database subpool
- Performs what if scenario analysis, including the potential impact of creating new buffer pools or changing the block size of a database

For both the actual buffer pool configuration and a model configuration with different buffer pool or database data set assignments, IMS Buffer Pool Analyzer for z/OS provides a report for each subpool that shows the following information:

- Subpool information, including the pool configuration, buffer request rate, and actual performance information
- Database information, including a list of the database data sets with activity in that subpool, along with the hit ratio, buffer request rate, and I/O rate for each data set
- Projections for various buffer pool sizes that show estimated subpool hit ratio, I/O rate, and buffer life
- OSAM coupling facility caching information that helps determine the benefit of caching OSAM buffers in a coupling facility

IMS Tools Knowledge Base for z/OS , a component of IBM Tools Base for z/OS , is used to store and retrieve IMS Buffer Pool Analyzer for z/OS reports.

IMS Buffer Pool Analyzer for z/OS , V1.4 offers the following enhancements:

- Support of IMS V13
- Maintenance rollup

IBM IMS Command Control Facility for z/OS , V2.2 (5655-R58) is a transaction management tool that can help improve productivity in several areas of IMS command processing and viewing by providing features that simplify the running, analyzing, and coordinating of IMS commands. Among the benefits of using IMS Command Control Facility for z/OS is its ability to provide a single image view of multiple IMS systems.

IMS Command Control Facility for z/OS has the following capabilities:

- Supports many types of control regions including Database Control (DBCTL), Database/Data Communications (DB/DC), and Data Communications Control (DCCTL)

IMS Command Control Facility for z/OS provides support for, but does not require, IMS Operations Manager.

- Provides a message log, containing IMS commands and responses, along with IMS master terminal messages

The message log is a single point of reference for IMS system activity for a single IMS system or for multiple IMS systems across multiple z/OS images within a sysplex.

- Issues IMS commands from a batch utility, a TSO session via an ISPF interface, or from a callable application program interface (API)
- Verifies IMS database commands (/START, /STOP, /DBD, and /DBR) during command processing
- Synchronizes IMS database commands across multiple IMS systems

If an IMS subsystem is down when a command is issued, the command can be stored and issued when the IMS system is started. Each IMS database command to be issued is performed and verified on each IMS system before the next command is issued.

- Enhances wildcard processing within IMS commands

Wildcards for database, program, area, and transaction names are permitted on / DISPLAY, /ASSIGN, /START, /STOP, /DB, and /DBR commands.

- Provides two predefined command procedures:

- Dead Letter Queue Cleanup

The /CCFDEADQ command deletes messages from the Extended Terminal Option (ETO) dead letter queue. You can prevent problems resulting from IMS message queue overflow by using this command regularly.

- Coordinated online change

The /CCFMOD command coordinates an online change process across multiple IMS systems. It automatically issues the modify prepare action, which can stop conversations in progress if they are preventing the modify prepare from completing. Once the online change is ready to proceed, the procedure performs the modify commit process, completing the change. If any IMS cannot commit the online change, the change is backed out across all IMS systems.

- Provides two types of user procedures:

- The User /DSN command retrieves a list of IMS commands from a data set and issues the commands for the requested IMS systems.

- The User /CCFPROC command processes a list of IMS commands from a member of a partitioned data set (PDS), performing symbolic substitution for a list of variables.

IMS Command Control Facility for z/OS , V2.2 offers the following enhancements:

- Support of IMS V13
- Maintenance rollup

IBM IMS High Performance System Generation Tools for z/OS , V2.3 (5655-P43) is a transaction management tool that offers an integrated solution that can help eliminate the requirement for IMS sysgens and provides the capability to dynamically alter IMS sysgen application resources.

IMS High Performance System Generation Tools provides the following features:

- Helps reduce or avoid emergency IMS sysgens caused by databases or transactions that were not included in the most recent IMS sysgen
- Helps avoid IMS system outages when backing out application definition changes
- Provides an easy-to-use interface that allows one person to define a list of changes to be implemented, and have that list verified and be implemented by another person (or a scheduled batch job)
- Offers an ISPF IMS command interface that allows the user to issue any authorized IMS command
- Allows control in a shared IMS environment over who has the authority to perform each function
- Provides an audit log for reviewing all changes made to an IMS system, along with the capability to easily back out individual resource updates
- Provides compatibility with IMS Tools Generic Exits

IMS High Performance System Generation Tools can perform the following IMS sysgen changes:

- Update existing IMS sysgen attributes for database, program, transaction, and fast path route code definitions
- Add or delete IMS sysgen definitions for databases, programs, transactions, and fast path route codes
- Rename an existing application resource to a new name, while maintaining attributes and relationships (such as the transactions associated with a renamed program)
- Reload a specific ACBLIB member, without using ACBLIB online change
- Reload DEDB randomizer routines
- Support reload of a DEDB database DBDS
- Support reload of an IMS ACBLIB member that includes a DBD for a DEDB, and automatically reloads any PSB that is affected by a change to a DBD

Once a list of resource updates is created, the list can be verified to determine that there are no resource conflicts and that the updates should install properly in the target IMS system. Installation of the list of resource updates can then be performed, either from a TSO session or via a batch job.

A list of resource updates can be installed in a single IMS system or for a group of IMS systems simultaneously. This feature can be useful in IMSplex environments, helping confirm that updates should install successfully in all IMS systems at the same time, and that resource definitions are kept in synchronization with other members of the IMSplex.

IMS High Performance System Generation Tools includes the following capabilities:

- Displays IMS resource definitions, either those currently being used by IMS or as defined in the MODBLKS data set, and all the attributes associated with the definitions
- Validates IMS sysgen source without the overhead of running an IMS sysgen
- Recreates IMS sysgen source or security gen source from the MODBLKS/MATRIX data sets
- Issues IMS commands from the IMS High Performance System Generation Tools ISPF interface
- Views IMS control region storage and control blocks, and zap storage in the IMS control region

- Uses the IMS High Performance System Generation Tools' History Log to review which resources were updated by which userid, and when the update was installed
- Converts IMS High Performance System Generation Tools History Log entries to IMS sysgen macros, which can be used to update IMS sysgen source to help keep source in synchronization with the running IMS system
- Backs out one or more resource updates, restoring the definitions to the state they were in before an update was installed
- Creates SMP/E JCLIN source statements from a MODBLKS data set
- Creates an installable list of resource updates to synchronize the running IMS system with the updated IMS sysgen source
- Compares different MODBLKS data sets to identify any differences in the IMS resource definitions
- Performs an IMS MODBLKS type sysgen without the overhead of the IMS sysgen process

The IMS High Performance System Generation Tools Fastgen process duplicates the MODBLKS sysgen process using less CPU and elapsed time. The Fastgen process can be run either as a batch job or from the IMS High Performance System Generation Tools ISPF panels.

The functions provided by IMS High Performance System Generation Tools can be protected by the user's security subsystem and can be customized to work within the user's local change control procedures.

IMS High Performance System Generation Tools for z/OS , V2.3 contains all of the features and functions of the previous release and provides the following enhancements:

- Support of IMS V13
- Maintenance rollup

IBM IMS Network Compression Facility for z/OS , V1.2 (5655-E41) is a performance management tool that can help reduce both user response time and line costs by compressing data streams to 3270 users.

IMS Network Compression Facility for z/OS is a practical tool that utilizes 3270 commands to compress unnecessary or redundant characters, blank spaces, field definitions, and other data. No application changes are necessary and no alterations are made to the users' screens.

IMS Network Compression Facility for z/OS includes an ISPF interface that allows support personnel to monitor the performance of IMS Network Compression Facility for z/OS and IMS message traffic.

The ISPF interface can be used for the following tasks:

- Review IMS Network Compression Facility for z/OS options, status, and compression statistics for any IMS control region in the enterprise
- Dynamically update options by disabling all compression or specific compression and elimination functions for field merge, blanks, or nondisplay fields
- Enable a trace for a specific node, LTERM, or user, and allow support personnel to review the actual data stream or display the user's 3270 screen image

By viewing the user's screen, support personnel can much more easily determine the nature of a problem.

IMS Network Compression Facility for z/OS is compatible with any 3270 hardware device and PC 3270 emulator connected to IMS through systems network architecture (SNA), bisynchronous, or TCP/IP controlled teleprocessing lines. If the data stream is being received by a computer program (for example, a screen scraper), IMS Network Compression Facility for z/OS provides options to reduce or eliminate changes that might be required.

IMS Network Compression Facility for z/OS , V1.2 offers the following enhancements:

- Support of IMS V13
- Maintenance rollup

Accessibility by people with disabilities

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

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

Section 508 of the US Rehabilitation Act

The products in this announcement are capable as of their general availability, when used in accordance with IBM's associated documentation, of satisfying the applicable requirements of Section 508 of the Rehabilitation Act, provided that any assistive technology used with the product properly interoperates with it.

Value Unit-based pricing

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

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

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

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

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

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

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

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

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

Program number

Program number	VRM	Program name
5697-H75	1.2.0	IBM IMS Batch Backout Manager for z/OS
5697-H77	1.4.0	IBM IMS Buffer Pool Analyzer for z/OS
5655-R58	2.2.0	IBM IMS Command Control Facility for z/OS
5655-P43	2.3.0	IBM IMS High Performance System Generation Tools for z/OS
5655-E41	1.2.0	IBM IMS Network Compression Facility for z/OS

Product identification number

Program PID number	Subscription and Support PID number
5697-H75	5697-H76
5697-H77	5697-H78
5655-R58	5655-F41
5655-P43	5655-F42
5655-E41	5655-E42

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=213-306>

Offering Information

Product information is available via the Offering Information website

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

Publications

The IBM Publications Center portal is at

<http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the US) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries, free of charge.

One copy of each of the following publications is supplied automatically with the material.

Title	Order number
IBM IMS Batch Backout Manager for z/OS, v1.2 (5697-H75)	
License Information(1)	GC18-7065
Program Directory	GI10-8485

IBM IMS Buffer Pool Analyzer, V1.4 (5697-H77)	
License Information(1)	GC18-7067
Program Directory	GI10-8486
IBM IMS Command Control Facility for z/OS, V2.2 (5655-R58)	
License Information(1)	GC18-9972
Program Directory	GI10-8719
IBM IMS High Performance System Generation Tools for z/OS, V2.3 (5655-P43)	
License Information(1)	GC18-9473
Program Directory	GI10-8677
IBM IMS Network Compression Facility for z/OS, V1.2 (5655-E41)	
License Information(1)	GC27-1280
Program Directory	GI10-8411

((1) Included with this publication order number are the Base License Agreements: (a) IBM International Program License Agreement (form Z125-3301) and (b) IBM Agreement for Acquisition of Software Maintenance (form Z125-6011).)

The publications for products in this announcement cannot be ordered in hardcopy. All the publications in this announcement are available at

<http://www.ibm.com/support/docview.wss?uid=swg27020942>

Publications are available in PDF or BookManager® formats on the next release of the software product libraries, z/OS and Software Products DVD Collection (SK3T-4271), which requires a DVD drive in DVD-9 (single-sided, dual-layer) format.

Title	Order number
IBM IMS Batch Backout Manager for z/OS, V1.2 User's Guide	SC19-3986
IBM IMS Buffer Pool Analyzer for z/OS, V1.4 User's Guide	SC19-3980
IBM IMS Command Control Facility for z/OS, V2.2 User's Guide	SC19-3981
IBM IMS High Performance System Generation Tools for z/OS, V2.3 User's Guide	SC19-3983
IBM IMS Network Compression Facility for z/OS, V1.2 User's Guide	SC19-3984

Specification sheets, user's guides, and white papers are available on CD-ROM. This CD-ROM can be ordered from the IBM Publications Center Portal at

<http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>

Technical information

Specified operating environment

Hardware requirements

The products in this announcement all operate on any hardware configuration that supports the required versions of IMS .

Software requirements

Mandatory installation requirements

- IBM z/OS , V1.12 (5694-A01), or later
- IBM SMP/E for z/OS V3.5 (5655-G44), or later

Mandatory operational requisites

One of the following supported IMS versions:

- IBM IMS V11.1 (5635-A02)
- IBM IMS V12.1 (5635-A03)
- IBM IMS Database Value Unit Edition, V12.1 (5655-DSQ) (with IBM IMS Value Unit Edition PTF UK93908)
- IBM IMS V13.1 (5635-A04)(1)

(1) Refer to the IMS V13 Software Announcement [212-373](#), dated October 03, 2012 for more information or contact your IBM representative.

Conditional operational requirements

IBM IMS Buffer Pool Analyzer for z/OS , V1.4 (5697-H77) requires IBM Tools Base for z/OS , V1.4 (5655-V93) component IMS Tools Knowledge Base for storing and retrieving IMS Buffer Pool Analyzer reports.

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

Planning information

Packaging

The programs in this announcement are distributed with the following content:

- Basic machine-readable material
- Program Directory
- IBM International Program License Agreement (IPLA)
- IBM Agreement for Acquisition of Software Maintenance (IAASM)

Security, auditability, and control

The announced program uses the security and auditability features of the host operating system software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Software Services

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

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

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

Ordering information

Ordering z/OS through the Internet

ShopzSeries provides an easy way to plan and order your z/OS ServerPac or CBPDO. It will analyze your current installation, determine the correct product migration, and present your new configuration based on z/OS . Additional products can also be added to your order (including determination of whether all product requisites are satisfied). ShopzSeries is available in the US and several countries in Europe. In countries where ShopzSeries is not available yet, contact your IBM representative (or IBM Business Partner) to handle your order via the traditional IBM ordering process. For more details and availability, visit the ShopzSeries website at

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

Charge metric

Program name	PID number	Charge metric
IMS Batch Backout Manager for z/OS, V1.2	5697-H75	Value Unit
IMS Buffer Pool Analyzer for z/OS, V1.4	5697-H77	Value Unit
IMS Command Control Facility for z/OS, V2.2	5655-R58	Value Unit
IMS High Performance System Generation Tools for z/OS, V2.3	5655-P43	Value Unit
IMS Network Compression Facility for z/OS, V1.2	5655-E41	Value Unit

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

Program number	Program name	Value Unit exhibit
5697-H75	IMS Batch Backout Manager for z/OS, V1.2	VUE007
5697-H77	IMS Buffer Pool Analyzer for z/OS, V1.4	VUE007
5655-R58	IMS Command Control Facility for z/OS, V2.2	VUE007
5655-P43	IMS High Performance System Generation Tools for z/OS, V2.3	VUE007
5655-E41	IMS Network Compression Facility for z/OS, V1.2	VUE007

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the **required license capacity** . Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

Value Unit exhibit VUE007

	MSUS minimum	MSUS maximum	Value Units/MSU
Base	1	3	1
Tier A	4	45	0.45
Tier B	46	175	0.36
Tier C	176	315	0.27
Tier D	316	+	0.2

Value Units for mainframes without MSU ratings:

Hardware	Value Units/machine
MP3000 H30	6
MP3000 H50	8
MP3000 H70	12
ESL models	2

Ordering example

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

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

Translation from MSUs to Value Units

	MSUS	*	Value Units/MSU	=	Value Units
Base	3	*	1.00	=	3.00
Tier A	42	*	.45	=	18.90
Tier B	130	*	.36	=	46.80
Tier C	140	*	.27	=	37.80
Tier D	1,185	*	.20	=	237.00
Total	1,500				343.50

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

Basic license

On/Off CoD

The products in this announcement are eligible for On/Off Capacity on Demand (CoD) with a temporary use charge calculated based on MSUs per-day usage.

Translation from MSUs to Value Units

	MSUS	Value Units/MSU
Base	1-3	1.00
Tier A	4-45	.45
Tier B	46-175	.36
Tier C	176-315	.27
Tier D	316+	.20

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

Program name: IMS Batch Backout Manager for z/OS, v1.2
 Program PID: 5697-H75

Entitlement identifier	Description	License option/ Pricing metric
S00X5TG	IMS Batch Backout Manager	Basic OTC, Value Units

Basic OTC, Per MSU-day
TUC

Orderable supply ID	Language	Distribution medium
S0167MW	US English	Tape Cartridge

Program name: IMS Buffer Pool Analyzer for z/OS, V1.4
Program PID: 5697-H77

Entitlement identifier	Description	License option/ Pricing metric
S00X5SM	IMS Buffer Pool Analyzer	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S0167MX	US English	Tape Cartridge

Program name: IMS Command Control Facility for z/OS, V2.2
Program PID: 5655-R58

Entitlement identifier	Description	License option/ Pricing metric
S012K7Z	IMS Command Control Facility	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S016658	US English	3590 Tape Cartridge

Program name: IMS High Performance System Generator Tools for z/OS, V2.3
Program PID: 5655-P43

Entitlement identifier	Description	License option/ Pricing metric
S011KPH	IMS High Performance System Generation Tools	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S01663J	US English	3590 Tape Cartridge

Program name: IBM IMS Network Compression Facility for z/OS, V1.2
Program PID: 5655-E41

Entitlement identifier	Description	License option/ Pricing metric
S00VGR7	IMS Network Compression Facility	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID	Language	Distribution medium
S016624	US English	3590 Tape Cartridge

Subscription and Support PID: 5697-H76

Entitlement identifier	Description	License options/Pricing metrics
S00X5TC	IMS Batch Backout Manager S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID	Language	Distribution medium
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S00X5TD English Hardcopy publication

Subscription and Support PID: 5697-H78

Entitlement identifier	Description	License options/Pricing metrics
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S00X5ST	IMS Buffer Pool Analyzer S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration
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Orderable supply ID	Language	Distribution medium
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S00X5SV	English	Hardcopy publication
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Subscription and Support PID: 5655-F41

Entitlement identifier	Description	License options/Pricing metrics
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S00V78R	IMS Command Control Facility S&S	Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration
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Orderable supply ID	Language	Distribution medium
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S00TT3V	US English	Hardcopy publication
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Subscription and Support PID: 5655-F42

Entitlement identifier	Description	License options/Pricing metrics
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S00V7BR	IMS High Performance System Generation Tools for z/OS	Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration
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Orderable supply ID	Language	Distribution medium
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S00TX06	US English	Hardcopy publication
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Subscription and Support PID: 5655-E42

Entitlement identifier	Description	License options/Pricing metrics
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S00VGRD	IMS Network Compression Facility S&S	Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration
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Orderable supply ID	Language	Distribution medium
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S00VGRF	US English	Hardcopy publication
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Subscription and Support

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

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

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

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

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

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

Subscription and Support for IMS tools Solution Packs

Customers who license IMS Solution Packs, and who have previously separately licensed one or more of the component products included in a Solution Pack, should discontinue subscription and support for the previously licensed component products. For additional information about IMS Solution Packs and their component products, refer to Software Announcement [210-030](#), dated February 09, 2010 .

Withdrawal from marketing information

A new product release within a version supersedes the release level that precedes it. Accordingly, the following product releases will be withdrawn from marketing, effective on the date the new release becomes available.

Releases to be withdrawn from marketing effective August 30, 2013

Name of product being withdrawn	Ver	Rel	Mod	Product number
IBM IMS Batch Backout Manager for z/OS	1	1	0	5697-H75
IBM IMS Buffer Pool Analyzer for z/OS	1	3	0	5697-H77
IBM IMS Command Control Facility for z/OS	2	1	0	5655-R58
IBM IMS High Performance System Generation Tools for z/OS	2	2	0	5655-P43
IBM IMS Network Compression Facility for z/OS	1	1	0	5655-E41

Replacement information :

- 5697-H75, IBM IMS Batch Backout Manager for z/OS , V1.1.0 is replaced by 5697-H75, IBM IMS Batch Backout Manager for z/OS , V1.2.0.
- 5697-H77, IBM IMS Buffer Pool Analyzer for z/OS , V1.3.0 is replaced by 5697-H77, IBM IMS Buffer Pool Analyzer for z/OS , V1.4.0.
- 5655-R58, IBM IMS Command Control Facility for z/OS , V2.1.0 is replaced by 5655-R58, IBM IMS Command Control Facility for z/OS , V2.2.0.
- 5655-P43, IBM IMS High Performance System Generation Tools for z/OS , V2.2.0 is replaced by 5655-P43, IBM IMS High Performance System Generation Tools for z/OS , V2.3.0.
- 5655-E41, IBM IMS Network Compression Facility for z/OS , V1.1.0 is replaced by 5655-E41, IBM IMS Network Compression Facility for z/OS , V1.2.0.

Customized Offerings

Product deliverables are shipped only via CBPDO and ServerPac. These customized offerings are offered for Internet delivery in countries where ShopzSeries product ordering is available. Internet delivery reduces software delivery time and allows you to install software without the need to handle tapes. For more details on Internet delivery, refer to the Shopz help information at

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

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

- 3590
- 3592

Most products can be ordered in ServerPac the month following their availability in CBPDO. z/OS can be ordered via CBPDO and , ServerPac. at general availability. Many products will also be orderable in a Product ServerPac without also having to order the z/OS operating system or subsystem.

Shopz and CFSW will determine the eligibility based on product requisite checking. For more details on the Product ServerPac, visit the Help section on the Shopz website at

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

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

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

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction with IBM are contained in the applicable contract documents such as the IBM International Program License Agreement, IBM International Passport Advantage® Agreement, and the IBM Agreement for Acquisition of Software Maintenance.

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use.

Agreement for Acquisition of Software Maintenance

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

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

These programs are licensed under the IBM Program License Agreement (IPLA) and the associated Agreement for Acquisition of Software Maintenance, which provide for support with ongoing access to releases and versions of the program. These programs have a one-time license charge for use of the program and an annual renewable charge for the enhanced support that includes telephone assistance (voice support for defects during normal business hours), as well as access to updates, releases, and versions of the program as long as support is in effect.

IBM System z Operational Support Services - SoftwareXcel is an option if you desire added services.

License Information form number

Program name	Program number	License Information
IMS Batch Backout Manager for z/OS, v1.2	5697-H75	GC18-7065
IMS Buffer Pool Analyzer for z/OS, v1.4	5697-H77	GC18-7067
IMS Command Control Facility for z/OS, v2.2	5655-R58	GC18-9972
IMS High Performance System Generation Tools	5655-P43	GC18-9473

for z/OS, v2.3

IMS Network Compression Facility for z/OS, 5655-E41 GC27-1280
v1.2

Trade-in terms for DB2® and IMS Solution Packs

IBM may offer trade-in terms for customers who have separately licensed one or more of the individual products that are included in a Solution Pack and who wish to trade in the licenses to one or more such individual products when licensing a Solution Pack. If IBM offers such trade-in terms, then as part of any such trade in, all entitlements to the products being traded in will be terminated. In some cases, the entitlements to the Solution Packs being licensed by the customer as part of the trade-in arrangement may not be equal to the entitlements being terminated. For example, if the customer holds entitlement to 100 Value Units of product A, which has been included in a Solution Pack, and is trading in its license to product A in return for 90 Value Units of the Solution Pack, then, in keeping with the specific trade-in terms, the customer agrees to terminate all its entitlements to product A (100 VUs).

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

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

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

IBM provides you with access to IBM databases containing information on known program defects, defect corrections, restrictions, and bypasses at no additional charge. For further information, consult the IBM Software Support Handbook found at

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

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

Program support

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

Money-back guarantee

If for any reason you are dissatisfied with the program and you are the original licensee, you may obtain a refund of the amount you paid for it, if within 30 days of your invoice date you return the program and its PoE to the party from whom you obtained it. If you downloaded the program, you may contact the party from whom you acquired it for instructions on how to obtain the refund.

For clarification, note that for programs acquired under any of IBM's On/Off Capacity on Demand (On/Off CoD) software offerings, this term does not apply since these offerings apply to programs already acquired and in use by you.

Other terms

Volume orders (IVO)

No

IBM International Passport Advantage Agreement

Passport Advantage applies

No

Software Subscription and Support applies

No. For operating system software, the revised IBM Operational Support Services - SoftwareXcel offering will provide support for those operating systems and associated products that are not available with the Software Subscription and Support (Software Maintenance) offering.

This will ensure total support coverage for your enterprise needs, including IBM and selected non-IBM products. For complete lists of products supported under both the current and revised offering, visit

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

IBM Operational Support Services - SoftwareXcel

Yes

System i® Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

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

Sub-capacity terms and conditions

For each System z IPLA program with Value Unit pricing, the quantity of that program needed to satisfy applicable IBM terms and conditions is referred to as the required license capacity. Your required license capacity is based upon the following factors:

- The System z IPLA program you select
- The applicable Value Unit Exhibit
- The applicable terms
- Whether your current mainframes are full capacity or sub-capacity

For more information on the Value Unit Exhibit for the System z IPLA program you selected, refer to the [Ordering information](#) section.

Program number	Program name	Terms	Parent, if applicable
5697-H75	IMS Batch Backout Manager for z/OS, v1.2	Reference-based	IMS V11.1 (5635-A02) IMS V12.1 (5635-A03) IMS Database Value Unit Edition v12.1 (with IMS Value Unit Edition PTF

			UK93908) (5655-DSQ) IMS V13 (5635-A04)(1)
5697-H77	IMS Buffer Pool Analyzer for z/OS, V1.4	Reference-based	IMS V11.1 (5635-A02) IMS V12.1 (5635-A03) IMS Database Value Unit Edition V12.1 (with IMS Value Unit Edition PTF UK93908) (5655-DSQ) IMS V13.1 (5635-A04)(1)
5655-R58	IMS Command Control Facility for z/OS, V2.2	Reference-based	IMS V11.1 (5635-A02) IMS V12.1 (5635-A03) IMS Database Value Unit Edition V12.1 (with IMS Value Unit Edition PTF UK93908) (5655-DSQ) IMS V13.1 (5635-A04)(1)
5655-P43	IMS High Performance System Generation Tools for z/OS, V2.3	Reference-based	IMS V11.1 (5635-A02) IMS V12.1 (5635-A03) IMS Database Value Unit Edition V12.1 (with IMS Value Unit Edition PTF UK93908) (5655-DSQ) IMS V13.1 (5635-A04)(1)
5655-E41	IMS Network Compression Facility for z/OS, V1.2	Reference-based	IMS V11.1 (5635-A02) IMS V12.1 (5635-A03) IMS Database Value Unit Edition V12.1 (with IMS Value Unit Edition PTF UK93908) (5655-DSQ) IMS V13.1 (5635-A04)(1)

(1) Refer to the IMS V13 Software Announcement [212-373](#), dated October 03, 2012, for more information or contact your IBM representative.

Full-capacity mainframes: In cases where full capacity is applicable, the following terms apply.

Execution based, z/OS based, full machine based: The required capacity of a System z IPLA program with these terms equals the MSU-rated capacity of the machines where the System z IPLA program executes.

For more information on mainframe MSU-rated capacities, visit

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

Reference based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

Sub-capacity mainframes

In cases where sub-capacity is applicable, the following terms apply.

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

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

Reference based: The required license capacity of a System z IPLA program with these terms equals the license capacity of the applicable monthly license charge (MLC) program. This MLC program is called the parent program.

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

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

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

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

An environment is defined as either a single or stand-alone machine or a qualified Parallel Sysplex®. You may have one or more different environments across the enterprise. To determine the required license capacity for each System z IPLA program with referenced-based terms, each environment should be assessed separately.

When a System z IPLA sub-capacity program with reference-based terms is used in a qualified Parallel Sysplex environment, the required license capacity of the System z IPLA program must equal with the license capacity of the parent program across the Parallel Sysplex. Qualified Parallel Sysplex refers to one:

- Where MLC pricing is aggregated across the sysplex

Sub-capacity eligibility

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

- All instances of the OS/390® operating system must be migrated to the z/OS operating systems.
- Any licenses for the OS/390 operating system must be discontinued.
- All instances of the z/OS operating systems must be running in z/Architecture® (64-bit) mode.

For that machine, you must create and submit a Sub-Capacity Report to IBM each month. Sub-Capacity Reports must be generated using the Sub-Capacity Reporting Tool (SCRT). For additional information or to obtain a copy of SCRT, visit the System z Software Pricing website

<http://ibm.com/zseries/swprice>

You must comply with all of the terms of the WLC or EWLC offering, whichever is applicable:

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

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

Sub-capacity utilization determination

Sub-capacity utilization is determined based on the utilization of a sub-capacity eligible reference product and machine.

On/Off Capacity on Demand (CoD)

To be eligible for On/Off CoD pricing, you must be enabled for temporary capacity on the corresponding hardware, and the required contract, Attachment for IBM System z On/Off Capacity on Demand (Z125-7883) must be signed prior to use.

Statement of good security practices

IT system security involves protecting systems and information through prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered destroyed or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective. IBM does not warrant that systems and products are immune from the malicious or illegal conduct of any party.

Prices

Program name: IMS Batch Backout Manager for z/OS, V1.2
Program PID: 5697-H75

Entitlement identifier	Description	License option/ Pricing metric
S00X5TG	IMS Batch Backout Manager	Basic OTC, Value Units Basic OTC, Per MSU-day TUC
Orderable supply ID	Language	Distribution medium
S0167MW	US English	Tape Cartridge

Program name: IMS Buffer Pool Analyzer for z/OS, V1.4
Program PID: 5697-H77

Entitlement identifier	Description	License option/ Pricing metric
S00X5SM	IMS Buffer Pool Analyzer	Basic OTC, Value Units Basic OTC, Per MSU-day TUC
Orderable supply ID	Language	Distribution medium
S0167MX	US English	Tape Cartridge

Program name: IMS Command Control Facility for z/OS, V2.2
Program PID: 5655-R58

Entitlement identifier	Description	License option/ Pricing metric
S012K7Z	IMS Command Control Facility	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID Language Distribution medium

S016658 US English 3590 Tape Cartridge

Program name: IMS High Performance System Generator Tools for z/OS, V2.3
Program PID: 5655-P43

Entitlement identifier	Description	License option/ Pricing metric
S011KPH	IMS High Performance System Generation Tools	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID Language Distribution medium

S01663J US English 3590 Tape Cartridge

Program name: IBM IMS Network Compression Facility for z/OS, V1.2
Program PID: 5655-E41

Entitlement identifier	Description	License option/ Pricing metric
S00VGR7	IMS Network Compression Facility	Basic OTC, Value Units Basic OTC, Per MSU-day TUC

Orderable supply ID Language Distribution medium

S016624 US English 3590 Tape Cartridge

Subscription and Support PID: 5697-H76

Entitlement identifier	Description	License options/Pricing metrics
S00X5TC	IMS Batch Backout Manager S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID Language Distribution medium

S00X5TD English Hardcopy publication

Subscription and Support PID: 5697-H78

Entitlement identifier	Description	License options/Pricing metrics
S00X5ST	IMS Buffer Pool Analyzer S&S	Basic ASC, per Value Unit SW S&S No charge, decline SW S&S Per MSU SW S&S registration

Orderable supply ID Language Distribution medium

S00X5SV English Hardcopy publication

Subscription and Support PID: 5655-F41

Entitlement identifier	Description	License options/Pricing metrics
S00V78R	IMS Command Control Facility S&S	Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration

Orderable supply ID Language Distribution medium

S00TT3V US English Hardcopy publication

Subscription and Support PID: 5655-F42

Entitlement

identifier	Description	License options/Pricing metrics
S00V7BR	IMS High Performance System Generation Tools S&S	Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration
Orderable supply ID	Language	Distribution medium
S00TX06	US English	Hardcopy publication

Subscription and Support PID: 5655-E42

Entitlement identifier	Description	License options/Pricing metrics
S00VGRD	IMS Network Compression Facility S&S	Basic ASC, per Value Unit SW S&S No Charge, decline SW S&S Per MSU SW S&S Registration
Orderable supply ID	Language	Distribution medium
S00VGRF	US English	Hardcopy publication

IBM Global Financing

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The Americas Call Centers, our national direct marketing organization, can add your name to the mailing list for catalogs of IBM products.

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