

z/OS



Information Roadmap

Version 1 Release 13

z/OS



Information Roadmap

Version 1 Release 13

Note

Before using this information and the product it supports, be sure to read the general information under "Notices" on page 69.

Fourteenth Edition, September 2011

This is a major revision of SA22-7500-13.

This edition applies to Version 1 Release 13 of z/OS (5694-A01), and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this document

z/OS® is an advanced-technology, highly secure, scalable, high-performance enterprise operating system on which to build and deploy Internet and Java-enabled applications, providing a comprehensive and diverse application execution environment.

This document supports z/OS (5694-A01); it describes the information for the base elements and optional features included in z/OS.

How to use this document

For an explanation of how to obtain and use z/OS documents, see Chapter 1, “Accessing, viewing, and printing z/OS documentation,” on page 1, which describes the information available with z/OS.

For descriptions of the documents associated with z/OS elements and features, see Chapter 2, “z/OS document descriptions,” on page 9. The document descriptions can help you become familiar with the information included with z/OS and how it is organized.

For a list of the titles and order numbers of the z/OS documents, see Table 1 on page 51.

How to send your comments to IBM

We appreciate your input on this publication. Feel free to comment on the clarity, accuracy, and completeness of the information or give us any other feedback that you might have.

Use one of the following methods to send us your comments:

1. Send an email to mhvrcfs@us.ibm.com
2. Visit the Contact z/OS web page at <http://www.ibm.com/systems/z/os/zos/webqs.html>
3. Mail the comments to the following address:
IBM Corporation
Attention: MHVRCFS Reader Comments
Department H6MA, Building 707
2455 South Road
Poughkeepsie, NY 12601-5400
U.S.A.
4. Fax the comments to us as follows:
From the United States and Canada: 1+845+432-9405
From all other countries: Your international access code +1+845+432-9405

Include the following information:

- Your name and address
- Your email address
- Your telephone or fax number
- The publication title and order number:
=e0zn100s;
&=e0zn100n;-&=e0zn100d;
- The topic and page number related to your comment
- The text of your comment.

When you send comments to IBM, you grant IBM a nonexclusive right to use or distribute your comments in any way it believes appropriate without incurring any obligation to you.

IBM or any other organizations will only use the personal information that you supply to contact you about the issues that you submit.

If you have a technical problem

Do not use the feedback methods listed above. Instead, do one of the following:

- Contact your IBM service representative
- Call IBM technical support
- Visit the IBM support portal at <http://www.ibm.com/systems/z/support/>

Summary of changes

This section lists technical changes made to this document for the current and previous two releases of z/OS.

Changes made in z/OS Version 1 Release 13

This document contains information that was previously presented in *z/OS Information Roadmap*, SA22-7500-13, which supports z/OS Version 1 Release 12.

New information:

A new book was added to the MVS library:

- *z/OS Batch Runtime Planning and User's Guide*, SA23-2270

Deleted information:

Starting in R13, Distributed Computing Environment (DCE) and Distributed Computing Environment Security Server (DCE Security Server) will no longer be shipped with z/OS; therefore, the following books have been deleted:

- *z/OS DCE Administration Guide*, SC24-5904
- *z/OS DCE Application Development Guide: Core Components*, SC24-5905
- *z/OS DCE Application Development Guide: Directory Services*, SC24-5906
- *z/OS DCE Application Development Guide: Introduction and Style*, SC24-5907
- *z/OS DCE Application Development Reference*, SC24-5908
- *z/OS DCE Command Reference*, SC24-5909
- *z/OS DCE Configuring and Getting Started*, SC24-5910
- *z/OS DCE Introduction*, SC24-5911
- *z/OS DCE Messages and Codes*, SC24-5912
- *z/OS DCE Planning*, SC24-5913
- *z/OS DCE User's Guide*, SC24-5914

z/OS Distributed File Service Customization, SC24-5916, and *z/OS Distributed File Service Administration*, SC24-5915, are being deleted from the DFS library. They contained a high proportion of information about DCE, which is a product no longer supported by IBM. The remaining information from these books will be moved to *z/OS Distributed File Service SMB Administration* and *z/OS Distributed File Service zFS Administration*.

Changes made in z/OS Version 1 Release 12

This document contains information that was previously presented in *z/OS Information Roadmap*, SA22-7500-12, which supports z/OS Version 1 Release 11.

New information

The "Readers' Comments - We'd Like to Hear from You" section at the back of this publication has been replaced with a new "How to send your comments to IBM" section at the front of this publication, located between the "About this document"

and "Summary of changes" sections. The hardcopy mail-in form has been replaced with a page that provides information appropriate for submitting readers comments to IBM.

A new book has been added to support the new product, IBM z/OS Management Facility:

- *IBM z/OS Management Facility Configuration Guide*, SA38-0652.

A new book has been added to the IBM Tivoli Directory Server library:

- *IBM Tivoli Directory Server Messages and Codes for z/OS*, SA23-2262.

Changed information

z/OS Support for Unicode: Using Unicode Services has been retitled to *z/OS Unicode Services User's Guide and Reference*.

Deleted information

The MVS, JES2, and JES3 Data Area books are not formally available (no document numbers) from the collection kit or from the respective libraries. Instead, they are only available by searching on the z/OS Library Web site.

- z/OS V1R12.0 MVS Data Areas, Vol 1
- z/OS V1R12.0 MVS Data Areas, Vol 2
- z/OS V1R12.0 MVS Data Areas, Vol 3
- z/OS V1R12.0 MVS Data Areas, Vol 4
- z/OS V1R12.0 MVS Data Areas, Vol 5
- z/OS V1R12.0 MVS Data Areas, Vol 6
- z/OS V1R12.0 JES2 Data Areas, Vol 1
- z/OS V1R12.0 JES2 Data Areas, Vol 2
- z/OS V1R12.0 JES2 Data Areas, Vol 3
- z/OS V1R12.0 JES2 Data Areas, Vol 4
- z/OS V1R12.0 JES2 Data Areas, Vol 5
- z/OS V1R12.0 JES3 Data Areas, Vol 1
- z/OS V1R12.0 JES3 Data Areas, Vol 2
- z/OS V1R12.0 JES3 Data Areas, Vol 3

Changes made in z/OS Version 1 Release 11

This document contains information that was previously presented in *z/OS Information Roadmap*, SA22-7500-11, which supports z/OS Version 1 Release 10.

New information

A new book has been added to the Communications Server library:

- *z/OS V1R11 Communications Server: SNA ACF/TAP Trace Analysis Handbook*, GC23-8588.

A new book has been added to the Open Systems Adapter library:

- *System z9 and eServer zSeries Open Systems Adapter-Express Integrated Controller 3215 Support*, SA23-2247.

Changed information

DFSMSdss Storage Administration Guide has been retitled to *DFSMSdss Storage Administration*.

DFSMSShsm Storage Administration Guide has been retitled to *DFSMSShsm Storage Administration*.

DFSMS Storage Administration Reference has been retitled to *DFSMSdftp Storage Administration*. Additionally, some information from this book has been moved:

- DFSMSdss section (Part 2) is moved into *DFSMSdss Storage Administration*.
- DFSMSShsm section (Part 3) is moved into *DFSMSShsm Storage Administration*.
- DFSMSdftp section (Part 1) remains in the current book, *DFSMSdftp Storage Administration*.

Deleted information

The following books have been removed from the library:

- *C/C++ Legacy Class Libraries Reference*, SC09-7652.
- *IBM Open Class Library Transition Guide*, SC09-4948.
- *z/OS Integrated Security Services LDAP Client Programming*, SC24-5924
- *z/OS Integrated Security Services LDAP Server Administration and Use*, SC24-5923

Chapter 1. Accessing, viewing, and printing z/OS documentation

The following topics explain how you can obtain z/OS information on the Internet, and in softcopy or hardcopy.

Accessing z/OS information on the Internet

z/OS documentation is available on the Internet in BookManager® and PDF format for all z/OS releases at:

<http://www.ibm.com/systems/z/os/zos/bkserv/>

IBM provides alternate ways to navigate the z/OS library on the Internet.

- **z/OS Information Center**

The z/OS Information Center delivers product documentation using the IBM Eclipse Help System framework. The content of the z/OS Information Center (information for z/OS base elements and optional features) is identical to what is in the traditional BookManager and PDF formats, however the presentation differs to some degree. An advantage to using the information center is that it is indexed by Google and other internet search engines, so locating information is easier. Additionally, you can create custom search scopes that include only the information you need for a particular task or job role.

- **Library Center for z/OS**

z/OS Library Centers have been replaced by z/OS Information Centers starting with z/OS V1R11. Information Centers are indexed by Google and other search engines which make finding z/OS documentation even easier.

Cross-book linking among z/OS books

z/OS books include softcopy links that let you jump directly from one softcopy book to another. While reading a z/OS book, you can place the cursor under the highlighted title of a referenced z/OS book and click the mouse or press Enter to open that book. After searching and reading the related material, you can close the referenced book to return to the original book. For example, Chapter 2, “z/OS document descriptions,” on page 9 contains links to the softcopy books that it describes.

Cross-book linking works for z/OS books in both BookManager and PDF format. For PDFs, the links are indicated by blue highlighting around a document or topic reference, and the linking PDFs must be in the same directory. For BookManager, cross-book linking is supported by BookManager READ/MVS on z/OS. The linked books must be uploaded to z/OS and must be located on the same bookshelf.

Cross-book linking also works among z/OS PDFs and BookManager books (served by Library Server) on the z/OS Internet library. Links on the z/OS Internet library work across elements and bookshelves. If several versions of a target book exist on the Internet library, Library Server lets you select the version you want. Cross-book linking for PDFs and book files also works among the books on the same DVD.

PDFs link to each other by file name, and IBM® changes a book's file name whenever the document is updated. Thus a link from an unchanged PDF may not connect to a new edition of a target book, because the new edition has a new file

Ordering Information

name. However, a link from an unchanged PDF will still connect to its original target book. Therefore, if you maintain your own PDF repository, IBM recommends that you keep multiple levels of PDFs together in the same directory, to minimize unresolved links. By contrast, BookManager documents link to each other by their base order numbers, which stay the same from release to release, so an unchanged BOOK file can link successfully to an updated target BOOK file, as long as they are on the same bookshelf.

Another fact about linking with PDFs: when you link from one PDF to another and press the Adobe Reader's back navigation button, you return to the original spot in the first PDF. If you make the same link within a browser on the Internet, the browser's back button takes you to the cover of the first PDF. With Library Server, however, the back button in a browser will take you back to the original spot in the first book.

Information on DVD

When you order z/OS, you automatically receive the comprehensive DVD collection, which is a combination of the latest *z/OS Collection* and the *z/OS Software Products Collection* with selected Redbooks® from the *IBM @server zSeries® Redbooks Collection*. The documents are provided in both BookManager and PDF formats when available. This collection also includes the contents of the zFavorites for zSeries CD (see below for details).

Related information on CD-ROM

You can purchase the following collections individually, or when you order z/OS you can purchase them by subscriptions. Purchasing a subscription entitles you to automatic shipment of all updates to the collection as long as z/OS version is orderable. If you purchase an individual copy of a collection, you do not get updates to it. Individual copies are priced lower because you receive only one edition of the collection.

- ***z/OS Software Products Collection***, SK3T-4270
Includes libraries for multiple releases of related software products that run on z/OS. All documents are provided in BookManager format and in PDF format, when available. When you order the collection as a feature of z/OS, you receive a continuing subscription for a one-time price.
- ***z/OS Security Server RACF® Collection***, SK3T-4272
Includes z/OS Security Server and other software product documents that contain significant information about z/OS Security Server RACF in one package. The z/OS Security Server documents are provided in PDF and BookManager formats; the other documents are provided in BookManager format only. This collection also includes other materials of interest to the RACF Security Administrator. When you order the collection as a feature of z/OS, you receive a continuing subscription for a one-time price.
- ***IBM @server zSeries Redbooks Collection***, SK3T-7876
Includes IBM Redbooks that apply to the zSeries platform and to host networking. The documents are arranged into subject bookshelves such as “Application Development zSeries Redbooks” and “Networking zSeries Redbooks.” When you order the collection as a feature of z/OS, you receive a continuing subscription for a one-time price.

zFavorites for zSeries CD

To find the most popular z/OS and zSeries information on the Web, order a copy of:

- **zFavorites for zSeries**, GK3T-4331

A mini-CD full of Internet links, the zFavorites for zSeries CD connects you to the most popular z/OS and zSeries Web sites, including the LookAt and wizards sites for interactive help and configuration dialogs. zFavorites also points to helpful information sites by categories such as products, product documentation, software and solutions, support and more. A copy of the zFavorites CD is shipped with the *z/OS Hot Topics Newsletter* z/OS Hot Topics Newsletter and the contents of the zFavorites for zSeries CD is included on the z/OS Version 1 Release 13 and Software Products DVD Collection.

For the online version of zFavorites, see:

<http://www.ibm.com/systems/z/os/zos/zfavorites/>

Viewing and printing z/OS softcopy information

There are a number of ways that you can view and print z/OS information, depending on your needs and what facilities are available to you. IBM provides the *z/OS Collection* and the *z/OS and z/OS Software Products DVD Collection*, which contain BookManager and PDF formats of the z/OS documents. Both softcopy formats (as well as additional documents and information) are also available from the z/OS Internet library at:

<http://www.ibm.com/systems/z/os/zos/bkserv/>

A BookManager softcopy document is the same file, regardless of the BookManager product or the operating system that you are using. The z/OS product includes both BookManager READ and Library Server (formerly BookManager BookServer) as base elements.

You can view and print PDF files using the Adobe Reader available free on the Internet at: <http://www.adobe.com/prodindex/acrobat/>.

The method that you use to access and print documents or sections of documents will depend on whether your company has established its own softcopy repository of IBM information, or whether you are accessing the information on the Internet or from the DVD.

Viewing softcopy information

Here are some common methods that you can use to view z/OS softcopy information.

- If your company has established a softcopy repository on z/OS:
 - BookManager READ/MVS allows users on the z/OS system to access and read documents.
 - Library Server (BookManager BookServer) allows users to access and read documents over an Internet or intranet connection using an HTML browser.
- If you are accessing the information from IBM's z/OS Internet library:
 - Almost all of the z/OS documents are provided as BookManager documents, and they can be accessed and searched from your browser using the functions provided by Library Server (BookManager BookServer.)
 - The z/OS documents are also provided in PDF format. Although the primary purpose for providing these files is for printing, they can also be viewed online.

Ordering Information

- Some documents are provided as HTML files, and they can be accessed and searched using your browser functions.
- If you are accessing the information from CD-ROM (such as the *z/OS Collection*):
 - The BookManager softcopy can be viewed online using any supported IBM BookManager reader, such as the IBM Softcopy Reader, which can be installed from the tools disc of the *z/OS Collection*. IBM readers allow you to read any BookManager document.
 - The PDF files can be viewed online using the Adobe Reader. If you need information on installing and using an Adobe Reader, see the Adobe Web site at <http://www.adobe.com>.
- The documents can also be accessed in repositories on other operating systems by using the BookManager READ products or Adobe Readers for those systems.

Printing softcopy information

You can print hardcopy when you need it from the softcopy files provided for the z/OS documentation, whether you are accessing those files from DVD, the z/OS Internet library, or a local repository or Web site.

- If you are viewing a softcopy file and you want hardcopy of a topic or two, you can print from the BOOK or PDF file you are viewing.
- For a complete hardcopy document that looks like a traditional manual you would order from IBM, print the PDF file for the document.

Printing a PDF file

In the workstation environment, you use an Adobe Reader to view and print PDF files. For large or graphically complex documents that need to be printed on an AFP printer, you might want to have the host handle the transforms, instead of doing it on the workstation before sending the file.

To print PDFs from a host repository you can use z/OS and the optional Infoprint Server feature to expand your options for printing PDF files.

Using an Adobe Reader

Install an Adobe Reader on your computer. The *z/OS Collection* contains a recent level of an Adobe Reader (at no extra charge), which you can install using the tools disc. You can also go to the Adobe Web site at www.adobe.com for other readers or more information.

- Open the PDF you want to print. The PDF can be on a CD-ROM, DVD, on the z/OS Internet library, or any where you can view it with an Adobe Reader
- Select the Reader's Print option
- Select the desired printer and specify other print options as appropriate.
- Click OK.

If you decide to print a subset of a document from a PDF file, the pages (as understood by Adobe Reader) are totally sequential. The Reader views the front cover as page 1. There are no Roman numeral page numbers for the front matter, no section numbering. When you specify the pages to print, enter the page numbers from the Reader's point of view. Check the page box at the bottom of the screen and not as they appear on the individual pages of the document.

Using a LAN- or host-attached AFP printer

It's not feasible to print large or graphically complex PDF files on the typical desktop or LAN-attached printer. z/OS Infoprint Server with Infoprint Transforms to AFP for

z/OS (5655-N60) allows you to print high-quality hardcopy of PDF files on high-speed LAN-attached or host-attached AFP printers managed by PSF for z/OS.

Workstation users on a LAN connected to z/OS can print PDFs from a CD-ROM, the Web, or the LAN. Host users can print PDFs from an MVS™ or HFS data set, such as a host repository of softcopy files, or PDFs uploaded from a CD-ROM. For details, see the documentation for Infoprint Server and Infoprint Transforms on the *z/OS Collection* or on the z/OS Internet library at:

<http://www.ibm.com/systems/z/os/zos/bkserv/>

Printing from a BOOK file

How to print topics from a BOOK file depends on how you are viewing that file:

- From your workstation, with IBM Softcopy Reader (for example, to read a BOOK file from a CD-ROM).
- From the z/OS Internet library, which uses Library Server (IBM BookManager BookServer) to display BookManager files.
- From a z/OS host, with BookManager READ.

Because the printout is from the BOOK file itself, the output looks like the BOOK file, with numbered sections and subsections instead of page numbers. You should only use the BOOK file to print a topic or two, and not the whole document.

Using IBM Softcopy Reader

To print the topic you are currently viewing:

- Click the Print icon or go to File --> Print to open a Print window.
- Click the Current® button. This opens your workstation Print window.
- Complete the print options in your workstation Print window, then click OK to print the current topic.

To print selected topics:

- Select the desired topics in the "table of contents" frame.
- Hold down the Shift key to select a list of topics, or hold down the Ctrl key to select specific topics.
- Click the Print icon or go to File --> Print to open a Print window.
- Click the Selected button. This opens your workstation Print window.
- Complete the print options in your workstation Print window, then click OK to print the selected topics.

Using the z/OS Internet library

Printing from the z/OS Internet library gives you a very high-quality output. To print the topic you are currently viewing:

- Click your browser Print icon. Follow the usual steps for printing from your browser.

To print select topics:

- Click the Library Server (BookManager BookServer) Print icon (not your browser Print icon) to a Print Preview window.
- Highlight the desired topics from the selection box. Hold down the Shift key to select a list of topics or hold down the Ctrl key to select specific topics.
- Click the Selected topics button. You then see a formatted preview of the topics.

Ordering Information

- Use your browser's print facility to produce a hardcopy document of the information shown.

To print a whole document: the Library Server on the z/OS Internet library displays an icon for the corresponding PDF file, if available, next to each BOOK file on a bookshelf. If you find a document you want to print in its entirety under Library Server, you can click the corresponding PDF file and print it as described in “Printing a PDF file” on page 4.

Using BookManager READ

If your company has established a softcopy repository on z/OS, you can use the Print option of BookManager READ to get hardcopy of a topic or two. However, BookManager READ by itself (without other programs such as DCF and BookMaster[®], which are not part of z/OS) provides a lower quality print than printing from Library Server. It is essentially a screen print.

Sometimes, though, BookManager READ may be the only available option. In that case, here's how to proceed.

- Open the document.
- Set your print options by selecting the Options pull-down menu.
- Select option 5 (Set print options) and specify the desired options.
- Use the PRINT command to print one or more topics in the document. (BookManager READ/MVS invokes the ISPF panels you normally use to print at your site.)
- Enter the command in one of the following ways:
 - PRINT PRINT topic1
 - PRINT topic1 TO topic2
 - PRINT topic1 FOR number-of-topics.

To print the current topic, enter the PRINT command without operands. To print all of a topic (such as 1.0), including its subtopics: enter the next topic number (such as 2.0), then prev. Make note of the last topic number (for example, 1.6.4), then enter the PRINT command with the complete range (PRINT 1.0 TO 1.6.4).

Hardcopy documents

When you order z/OS, you receive the following hardcopy documents:

- *z/OS Hot Topics Newsletter*, GA22-7501
- *z/OS Program Directory*, GI10-0670

For other books, PDF files provide the best form of hardcopy. See “Viewing and printing z/OS softcopy information” on page 3 for information on printing the books provided in PDF format on the z/OS Internet library or the z/OS Collection. A few books are also orderable in hardcopy; you can order them as described in “Ordering hardcopy documents or softcopy collections” on page 7. Table 1 on page 51 indicates whether a document is available in hardcopy. You can also order hardcopy documents by using the IBM Publications Center on the World Wide Web, located at:

<http://www.ibm.com/publications/servlet/pbi.wss>

Ordering hardcopy documents or softcopy collections

The document you are reading, *z/OS Information Roadmap* (SA22-7500), provides descriptions of the z/OS documents and softcopy collections. It is helpful if you are planning to order hardcopy documents or softcopy collections.

In the U.S. and other countries

For a fee, you can order hardcopy documents or softcopy collections by one of the following methods:

- Access the IBM Publications Center on the World Wide Web, located at:
<http://www.ibm.com/publications/servlet/pbi.wss>
Select a country and then “Search for publications”

The IBM Publications Center accepts orders by credit card and, in many countries, by customer number. See the Publications Center Web site for details.

- Contact your IBM representative or call your local IBM office and ask for the documentation department.

In the U.S. only

For a fee, you can order hardcopy documents or softcopy collections by using a toll-free “800” telephone number or by sending an order form to IBM by fax or direct mail as follows:

Phone:

1-800-879-2755 (for individual copies)
1-800-426-2255 and mention priority code LE001 (for softcopy collection features)

Fax: 1-800-445-9269

Direct mail:

IBM Corporation
PO Box 29570
Raleigh, NC 27626-0570

You can order hardcopy documents or softcopy collections using the IBM Publications Center at:

<http://www.ibm.com/publications/servlet/pbi.wss>

You can charge the documents or collections to a credit card or customer number.

You can subscribe to hardcopy documents or softcopy collections through the Publication Notification System (PNS) at the IBM Publications Center. PNS notifies you by e-mail when an update is made to a publication in your PNS profile. You will then need to place an order to receive the item. You will be billed when the publication is shipped. You continue to receive notifications about publication updates until you delete the publication from your PNS profile.

In Canada only

For a fee, you can order hardcopy documents or softcopy collections by using a toll-free “800” telephone number or by sending an order form to IBM by fax, Internet, e-mail, or direct mail as follows:

Phone:

1-800-426-4968

FAX: 1-403-267-4455

Internet:

<http://www.elink.ibm.com/pbl/pbl>

Ordering Information

E-Mail:

pubs.ca.ibm.com

Direct mail:

IBM Canada Ltd.
Publications Services
144 4th Avenue S.W.
Calgary, Alberta
Canada T2P 3N5

Chapter 2. z/OS document descriptions

This section contains descriptions of the z/OS publications, organized by element, starting with the system-level z/OS documents.

z/OS system-level documents

This section describes documentation that applies to z/OS as a whole, not to a specific element in z/OS.

z/OS Hot Topics Newsletter z/OS Hot Topics Newsletter

GA22-7501

Contains articles about the delivery, installation, management, use, and documentation of z/OS elements and features.

z/OS Information Roadmap (the document you are now reading)

SA22-7500

Describes the information associated with z/OS including z/OS system-level documents and documents for the participating elements and features.

z/OS Introduction and Release Guide

GA22-7502

Describes the contents and benefits of z/OS as well as the planned packaging and delivery of the product. This document includes descriptions of the new functions in each release.

z/OS Licensed Program Specifications

GA22-7503

Provides the warranty for z/OS. It is provided in PDF format only.

z/OS Migration

GA22-7499

Provides information on how to migrate to z/OS Version 1 Release 13 from previous releases of z/OS.

z/OS Planning for Installation

GA22-7504

Helps you write an installation plan by providing the following information:

- Basics of z/OS
- Help for deciding on the software installation method
- Driving system software and hardware requirements
- Target system software and hardware requirements
- Minimum levels of stand-alone products that run with z/OS

An installation plan skeleton is included in the document. For the interactive edition of this document, see the **z/OS Installation Planning Wizard** at:

<http://www.ibm.com/systems/z/os/zos/wizards/>

z/OS Planning for Multilevel Security and the Common Criteria

GA22-7509

Describes how to set up a secure system across z/OS elements to ensure compliance to Common Criteria Certification.

z/OS Planning for Sub-Capacity Pricing

SA22-7999

Describes how to plan for and set up your system for subcapacity pricing for IBM products.

System z Platform Test Report for z/OS and Linux Virtual Servers

SA22-7997

The zSeries Platform Test Report documents the efforts of a team of IBM z/Architecture testers and system programmers simulating a customer production environment. This quarterly report describes cross-product and integrated testing in a Parallel Sysplex and includes testing of elements and features of z/OS that are not necessarily sysplex oriented. z/OS and sysplex customers should find this experience-driven information extremely useful.

z/OS Program Directory

GI10-0670

Contains information concerning the material and procedures associated with the installation of z/OS Version 1 Release 13. The z/OS Program Directory is not an orderable publication.

z/OS Summary of Message and Interface Changes

SA22-7505

Describes the changes to messages and interfaces for individual elements of z/OS. This document is provided in softcopy only on the message bookshelf of the z/OS Version 1 Release 13 Collection.

z/OS Using the Sub-Capacity Reporting Tool

SG24-6522

Describes the Sub-Capacity Reporting Tool. This document is provided in softcopy only on the Internet at:

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

z/OS DOC APAR and PTF ++HOLD Documentation

GA22-7820

Contains the latest information updates from z/OS Documentation APARs and PTF cover letters. Updated weekly, this online document lists documentation changes before they are incorporated into z/OS publications. This document is available on the web, at:

http://publibz.boulder.ibm.com/cgi-bin/bookmgr_05390/Shelves/ZDOCAPAR

ServerPac: Using the Installation Dialog

SA22-7815

Explains how to use the CustomPac installation dialog to install a ServerPac order. This document is shipped only with ServerPac orders; it is not shipped with any of IBM's CustomPac offerings, such as SystemPac[®], FunctionPac, ProductPac[®], RefreshPac, or Selective Follow-on Services (SFS).

IBM Health Checker for z/OS and Sysplex: User's Guide

SA22-7994

Contains information needed to install and use IBM Health Checker for z/OS.

z/OS Problem Management

G325-2564

Contains information for problem determination and solution.

*z/OS Network Job Entry (NJE) Formats and Protocols***SA22-7539**

Network Job Entry Formats and Protocols explains the Network Job Entry (NJE) formats and protocols used by program products that support networking.

BDT

This section describes documents for BDT (Bulk Data Transfer), and the BDT File-to-File and BDT SNA NJE features.

*z/OS BDT Commands***SA22-7512**

Describes all BDT commands.

*z/OS BDT Diagnosis Reference***GA22-7514**

Explains how to request and read a BDT formatted dump, explains how to find and read BDT information in an MVS SVC dump, and shows the layouts of BDT data areas.

*z/OS BDT Installation***GA22-7511**

Explains how to define BDT to MVS and ACF/VTAM, allocate BDT and TQI data sets, write BDT initialization statements, write BDT and TQI start procedures, and write BDT user exit routines.

*z/OS BDT Messages and Codes***SA22-7513**

Explains all BDT messages and completion codes.

BDT File-to-File*z/OS BDT File-to-File Transaction Guide***SA22-7515**

Explains how to create and submit transactions to copy data sets.

BookManager

This section describes documents for BookManager BUILD and BookManager READ.

*IBM BookManager BUILD/MVS: Installation Planning and Customization***SC38-2037**

Describes how to install online documents and bookshelves on the host system. It also explains how to customize BookManager BUILD.

*IBM BookManager READ/MVS and BUILD/MVS: General Information***GC38-2032**

Introduces IBM BookManager BUILD/MVS and IBM BookManager READ/MVS, which lets users create and use online documents. This document describes online documents and their similarities to printed documents. It also explains how to create online documents and

bookshelves, and lists the requirements for installing and using both IBM BookManager READ/MVS and IBM BookManager BUILD/MVS.

IBM BookManager READ/MVS: Displaying Online Books

SC38-2034

Shows how to use the BookManager READ panels to perform the most commonly used functions, such as starting and ending a READ session, searching documents and bookshelves, and printing softcopy information.

IBM BookManager READ/MVS: Getting Started

SC38-2033

Helps users get started using the READ/MVS panels to display information online. It shows the actions available on the panels and describes how to perform the most common actions.

IBM BookManager READ/MVS: Installation Planning and Customization

SC38-2035

Helps users plan the installation of IBM BookManager READ for use in a z/OS environment. It also explains how to customize BookManager READ, which lets you organize, display, and search online documents.

Common Information Model

z/OS Common Information Model User's Guide

SC33-7998

The *z/OS Common Information Model User's Guide* describes the overall CIM data model and how to use it, and also describes the z/OS specific supplements and differences, as well as installation, configuration and security instructions for z/OS systems.

Communications Server

This section describes documents for the Communications Server.

For help in configuring z/OS Communications Server IP, see the **z/OS IP Configuration Wizard** at:

<http://www.ibm.com/systems/z/os/zos/wizards/>

z/OS Communications Server: New Function Summary

GC31-8771

Describes new IP and SNA function. Helps you plan for IP and SNA, whether you are migrating from a previous version or installing z/OS for the first time. It summarizes what is new in the release and identifies the suggested and required modifications needed to use the enhanced functions.

z/OS Communications Server: CMIP Services and Topology Agent Guide

SC31-8828

Describes the SNA LU 6.2 programming interface for host application programs. It applies to programs that use LU 6.2 sessions.

z/OS Communications Server: CSM Guide

SC31-8808

Describes how to use the communications storage manager.

z/OS Communications Server: IP and SNA Codes

SC31-8791

Describes the codes associated with SNA and IP.

z/OS Communications Server: IP Sockets Application Programming Interface Guide and Reference

SC31-8788

Describes the syntax and options of the socket calls for the C, REXX, Assembler, PL/1, COBOL, PASCAL languages. It also documents how to use the VMCF and XTI interfaces.

z/OS Communications Server: IP CICS Sockets Guide

SC31-8807

Describes how to set up, write application programs for, and diagnose problems with the socket interface for CICS® using IP.

z/OS Communications Server: IP Configuration Guide

SC31-8775

Contains concepts and guidance, explaining an overall approach to IP configuration.

z/OS Communications Server: IP Configuration Reference

SC31-8776

Describes parameters and options, syntax of statements used during configuration.

z/OS Communications Server: IP Diagnosis Guide

GC31-8782

Provides information about diagnosing problems occurring in IP networks. It can help you determine if a specific problem is an IP problem and also tells you how to report it to the IBM Software Support Center.

z/OS Communications Server: IP IMS Sockets Guide

SC31-8830

Describes how to write application programs that use the IMS™ IP application development services provided by IP.

z/OS Communications Server: IP Messages Volume 1 (EZA)

SC31-8783

Describes the messages beginning with the prefix EZA that occur in IP. This document can also help with problem determination in an IP implementation.

z/OS Communications Server: IP Messages Volume 2 (EZB, EZD)

SC31-8784

Describes the messages beginning with the prefix EZB and EZD that occur in IP. This document can also help with problem determination in an IP implementation.

z/OS Communications Server: IP Messages Volume 3 (EZY)

SC31-8785

Describes the messages beginning with the prefixes: EZY that occur in IP. This document can also help with problem determination in an IP implementation.

z/OS Communications Server: IP Messages Volume 4 (EZZ, SNM)

Communications Server

SC31-8786

Describes the messages beginning with the prefixes: EZZ and SNM that occur in IP. This document can also help with problem determination in an IP implementation.

z/OS Communications Server: IPv6 Network and Application Design Guide

SC31-8885

Describes concepts of z/OS Communications Server's support of IPv6, coexistence with IPv4, and migration issues. It is intended for programmers and system administrators who are familiar with TCP/IP, MVS, UNIX System Services, and TSO/E.

z/OS Communications Server: IP Network Print Facility

SC31-8833

Describes how to customize and use a print feature for IP. This feature takes print request from a SNA or JES and uses IP to route them to remote printers.

z/OS Communications Server: IP Programmer's Guide and Reference

SC31-8787

Describes the syntax and use of high-level application functions that enable you to write your own applications in an IP environment. The functions include authenticating access, use of distributed databases, distributed processing, network management, and device sharing (SNMP, X Windows, RPC, and NCS).

z/OS Communications Server: IP System Administrator's Commands

SC31-8781

Describes common IP commands used during system administration and configuration.

z/OS Communications Server: IP User's Guide and Commands

SC31-8780

Describes the end user functions and commands supported by IP, such as Telnet, FTP, and SMTP.

z/OS Communications Server: Quick Reference

SX75-0124

Contains essential information about SNA and IP operator commands.

z/OS Communications Server: SNA Customization

SC31-6854

Provides information that enables you to customize SNA by modifying tables and creating installation-wide exit routines.

z/OS Communications Server: SNA Data Areas Volume 1

GC31-6852

Describes SNA data areas and can be used to read a SNA dump. It is intended for IBM programming service representatives and customer personnel who are diagnosing problems with SNA. This volume includes request response units, GDS variable session keys, control vectors and CSM data areas.

z/OS Communications Server: SNA Data Areas Volume 2

GC31-6853

Describes SNA data areas and can be used to read a SNA dump. It is

intended for IBM programming service representatives and customer personnel who are diagnosing problems with SNA.

z/OS Communications Server: SNA Diagnosis Vol 1, Techniques and Procedures
GC31-6850

Helps you identify a SNA problem, classify it, and collect information about it before you call the IBM Support Center. The information collected includes traces, dumps, and other problem documentation.

z/OS Communications Server: SNA Diagnosis Vol 2, FFST Dumps and the VIT
GC31-6851

Helps you identify a SNA problem, classify it, and collect information about it before you call the IBM Support Center. The information collected includes using FFST™ dumps and interpreting VIT records.

z/OS Communications Server: SNA Messages
SC31-8790

Describes messages, beginning with the prefixes ELM, IKT, IST, ISU, IUT, IVT and USS, and other information associated with SNA messages.

z/OS Communications Server: SNA Network Implementation Guide
SC31-8777

Presents the major concepts involved in implementing a SNA network.

z/OS Communications Server: SNA Operation
SC31-8779

Serves as a reference for programmers and operators who need detailed information about specific operator commands. The information includes:

- SNA commands and start options
- Logon manager commands
- DISPLAY output examples
- VSCS commands.

z/OS Communications Server: SNA Programmer's LU 6.2 Guide
SC31-8811

Describes the SNA LU 6.2 programming interface for host application programs. It applies to programs that use LU 6.2 sessions.

z/OS Communications Server: SNA Programmer's LU 6.2 Reference
SC31-8810

Provides reference material for the SNA LU 6.2 programming interface for host application programs.

z/OS Communications Server: SNA Programming
SC31-8829

Describes how to use SNA macro instructions to send data to and receive data from a terminal or another application.

z/OS Communications Server: SNA Resource Definition Reference
SC31-8778

Describes each SNA definition statement, start option, and macro instruction. It also describes NCP definition statements that affect SNA.

z/OS Communications Server: SNA Resource Definition Samples
SC31-8836

Contains the VTAM® definition statements to help system programmers

define resources in a VTAM network. Use this document in conjunction with the VTAM Network Implementation Guide and the Resource Definition Reference.

Cryptographic Services

This section describes documents for Cryptographic Services, including ICSF, Open Cryptographic Services Facility, System Secure Sockets Layer (SSL) base, and PKI.

z/OS Cryptographic Services ICSF Administrator's Guide

SA22-7521

Explains how to administer ICSF. It describes managing cryptographic keys, entering keys into the Cryptographic Key Data Set (CKDS) and using the key generator utility program (KGUP).

z/OS Cryptographic Services ICSF Writing PKCS #11 Applications

SA23-2231

Describes the support for PKCS #11 provided by the z/OS Integrated Cryptographic Service Facility (ICSF). This document is primarily intended for application programmers who want to write PKCS #11 applications for z/OS.

z/OS Cryptographic Services ICSF Application Programmer's Guide

SA22-7522

Describes the callable services provided by ICSF. It is helpful to application programmers using the security application programming interface (API) to access cryptographic functions.

z/OS Cryptographic Services ICSF Messages

SA22-7523

Explains the ICSF messages and the routing and descriptor codes for those messages.

z/OS Cryptographic Services ICSF Overview

SA22-7519

Introduces ICSF and provides information about the capabilities and benefits of using cryptographic services in a z/OS environment.

z/OS Cryptographic Services ICSF System Programmer's Guide

SA22-7520

Explains how to initialize and customize ICSF. It also contains information and problem diagnosis information.

z/OS ICSF TKE PCIX Workstation User's Guide

SA23-2211

Explains installing, implementing and administering Version 5.0 of the IBM Trusted Key Entry product. It is intended for anyone who manages cryptographic keys, usually a security administrator. It includes information to support the following tasks for the solution: Planning Installing Administering Customizing Using

- Planning
- Installing
- Administering
- Customizing

- Using

z/OS Open Cryptographic Services Facility Application Programming

SC24-5899

Provides an overview of the Open Cryptographic Services Facility (OCSF). It explains how to integrate OCSF into applications and contains a sample OCSF application. It also defines the interfaces that application developers employ to access security services provided by the OCSF framework and service provider modules. It also describes specific information about the individual service providers.

z/OS Open Cryptographic Services Facility Service Provider Module Developer's Guide and Reference

SC24-5900

Describes the features common to all OCSF service provider modules. It defines the interfaces for certificate, trust and data library service providers. Service provider developers must conform to these interfaces for the individual service provider modules to be accessible through the OCSF framework.

z/OS Cryptographic Services System SSL Programming

SC24-5901

Contains guidance and reference information that an application programmer needs to use the System Secure Sockets Layer (SSL) callable services programming interfaces. SSL is a communications layer that provides data privacy and integrity as well as server and client authentication based on public-key certificates. The callable services programming interfaces provide protected communications over a TCP/IP socket communication path.

z/OS Cryptographic Services PKI Services Guide and Reference

SA22-7693

Provides detailed procedures for planning, setting up, and using PKI Services. It also includes messages, log information, and coding samples.

DFSMS

This section describes documents for DFSMSdfp, DFSMSdss, DFSMShsm, and DFSMSrmm, and DFSMStvs.

SC26-7473

This book provides an introduction and step-by-step instructions for implementing the new functions in DFSMS, including functions of DFSMSdfp, DFSMSdss, DFSMShsm, DFSMSrmm, and DFSMStvs.

z/OS DFSMS Access Method Services for Catalogs

SC26-7394

Describes IDCAMS commands for using integrated catalog facility catalogs.

z/OS DFSMS Advanced Copy Services

SC35-0428

Provides an introduction and instructions for implementing and using the remote copy disaster recovery and workload migration tool.

z/OS DFSMSdfp Checkpoint/Restart

SC26-7401

Contains information on establishing checkpoints during a program and restarting a job.

z/OS DFSMS DFM Guide and Reference

SC26-7395

Contains information about accessing and creating MVS data sets from remote systems.

z/OS DFSMS Implementing System-Managed Storage

SC26-7407

Describes tasks for migrating to system-managed storage and optimizing use of the storage management subsystem.

z/OS DFSMS Installation Exits

SC26-7396

Contains instructions on exit routines and modules that extend or replace IBM-supplied functions.

z/OS DFSMS Introduction

SC26-7397

Provides an overview of DFSMS.

z/OS DFSMS Macro Instructions for Data Sets

SC26-7408

Contains access method macro instructions for processing user data sets.

z/OS DFSMS Managing Catalogs

SC26-7409

Describes techniques for managing integrated catalog facility catalogs.

z/OS DFSMSdfp Storage Administration

SC26-7402

This book merges information previously contained in the Storage Administration References for DFSMSdfp, dss , and hsm. Contains instructions for initializing and maintaining the storage management subsystem and for performing storage management tasks using ISMF panels.

Describes DFSMSdss tasks for copying, dumping, and restoring data sets and DASD volumes, and diagnosis information, including keyword search strings and other diagnostic tools.

Describes DFSMShsm tasks for managing storage, including examples of storage administrator commands and results of DFSMShsm processing. Also contains information about disaster prevention and the recovery of DFSMShsm data based on real experiences.

z/OS DFSMS Software Support for IBM System Storage TS1140, TS1130, and TS1120 Tape Drives (3592)

SC26-7514

This book describes the installation, migration, and operation of the IBM TotalStorage Enterprise Tape System 3592 software support.

z/OS DFSMS Using Data Sets

SC26-7410

Describes techniques for processing, protecting, and maintaining user data sets.

z/OS DFSMS Using the Interactive Storage Management Facility

SC26-7411

Describes commands and techniques for using ISMF to analyze and manage data resources.

z/OS DFSMS Using Magnetic Tapes

SC26-7412

Describes techniques for using magnetic tape volumes.

z/OS DFSMS Using the Volume Mount Analyzer

SC26-7413

Contains instructions for analyzing tape mounts with the Volume Mount Analyzer.

DFSMSdfp

z/OS DFSMSdfp Advanced Services

SC26-7400

Provides techniques for extending DFSMS/MVS data management capabilities and other system data operations.

z/OS DFSMSdfp Diagnosis

GY27-7618

Contains information for diagnosing DFSMSdfp-related errors, and guidance for using DFSMSdfp diagnostic tools and aids to gather failure-related information.

z/OS DFSMS OAM Application Programmer's Reference

SC35-0425

Contains information about the OAM application interface used to manipulate objects.

z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Object Support

SC35-0426

Contains OAM planning, installation, customizing, and storage management information for optical libraries.

z/OS DFSMS OAM Planning, Installation, and Storage Administration Guide for Tape Libraries

SC35-0427

Contains OAM planning, installation, customizing, and storage management information for tape libraries.

z/OS DFSMSdfp Utilities

SC26-7414

Contains instructions for using DFSMSdfp utility programs for data, program, and device management.

DFSMSdss

z/OS DFSMSdss Storage Administration

DFSMS

SC35-0423

Describes DFSMSdss tasks for copying, dumping, and restoring data sets and DASD volumes, and diagnosis information, including keyword search strings and other diagnostic tools.

DFSMSHsm

z/OS DFSMSHsm Diagnosis

GC52-1083

Provides diagnosis information for DFSMSHsm, including instructions for building keyword search strings and other diagnostic tools. Contains information about the DFSMSHsm control blocks and data areas used during diagnostic and maintenance procedures.

z/OS DFSMSHsm Implementation and Customization Guide

SC35-0418

Provides guidance for creating and maintaining DFSMSHsm-owned data sets, including migration and coexistence considerations.

z/OS DFSMSHsm Managing Your Own Data

SC35-0420

Contains DFSMSHsm user macros and user command syntax, conventions, and coding examples.

z/OS DFSMSHsm Storage Administration

SC35-0421

Describes DFSMSHsm tasks for managing storage, including examples of storage administrator commands and results of DFSMSHsm processing. Also contains information about disaster prevention and the recovery of DFSMSHsm data based on real experiences.

DFSMSHsm Storage Administration Reference

SC35-0422

The information previously contained in this book has been consolidated into *DFSMS Storage Administration Reference*.

DFSMSrmm

z/OS DFSMSrmm Application Programming Interface

SC26-7403

Describes how to use the DFSMSrmm Application Programming Interface to obtain information about DFSMSrmm resources.

z/OS DFSMSrmm Diagnosis Guide

GY27-7619

Contains information for diagnosing DFSMSrmm-related errors, including how to use DFSMSrmm diagnostic tools.

z/OS DFSMSrmm Managing and Using Removable Media

SC26-7404

Provides instructions for using DFSMSrmm to manage removable media.

z/OS DFSMSrmm Implementation and Customization Guide

SC26-7405

Contains information about implementing and customizing the functions of DFSMSrmm.

*z/OS DFSMSrmm Reporting***SC26-7406**

This document provides information about creating reports in DFSMSrmm using DFSMSrmm reporting utilities, DFSORT and DFSORT's ICETOOL, DFSMSrmm TSO subcommands, and REXX EXECs.

DFSMSStvs*z/OS DFSMSStvs Administration Guide***GC26-7483**

Provides reference and guidance information for many of the major tasks that a user might need to perform when using DFSMS Transactional VSAM Services (DFSMSStvs).

This document helps you:

- Understand certain functions such as VSAM RLS, and the manner in which DFSMSStvs relates to these functions and builds upon them
- Learn about the migration tasks that you must complete
- Perform tasks such as customizing, administering, and operating DFSMSStvs, as well as diagnosing problems related to DFSMSStvs

*z/OS DFSMSStvs Planning and Operating Guide***SC26-7348**

Provides system programmers, application programmers, and operators who are responsible for customizing, writing applications for, and operating DFSMSStvs with information about:

- Using DFSMSStvs to share VSAM data for concurrent batch updates
- Installing and operating DFSMSStvs
- Designing and coding applications to use DFSMSStvs
- Diagnosing and recovering from DFSMSStvs problems.

DFSORT

This section describes documents for DFSORT.

*z/OS DFSORT Application Programming Guide***SC26-7523**

This guide gives you the necessary information to use DFSORT to sort, merge, and copy data sets, including how to prepare DFSORT control statements, how to calculate storage requirements, and how to use the program exits. It also contains examples of DFSORT control statements and program exit routines.

*z/OS DFSORT: Getting Started***SC26-7527**

This document is intended to help you get started using DFSORT to sort, merge, and copy data sets. It also contains step-by-step procedures for writing applications.

*z/OS DFSORT Installation and Customization***SC26-7524**

This guide is intended to help you install and customize DFSORT. It is designed to be used with the DFSORT Program Directory, which contains the installation procedures.

z/OS DFSORT Messages, Codes and Diagnosis Guide

DFSORT

SC26-7525

This document is intended to help you interpret informational and error messages issued by DFSORT. It contains explanations of and possible responses to these messages. It also contains the return codes and diagnostic messages issued by DFSORT. It shows you how to describe DFSORT program failures with a set of keywords used by the support center.

z/OS DFSORT Tuning Guide

SC26-7526

This guide provides you with information about tuning DFSORT. It offers suggestions for reducing the use of system resources and achieving better turnaround time for applications that use DFSORT.

Distributed File Service

This section describes documents for Distributed File Service (DFS).

z/OS Distributed File Service Messages and Codes

SC24-5917

Contains Distributed File Service messages and codes.

z/OS Distributed File Service SMB Administration

SC24-5918

Provides guidance and reference information for system and network administrators to use when they work with the Server Message Block (SMB) support of Distributed File Service. SMB is a protocol for remote file/print access used by Windows.

z/OS Distributed File Service zSeries File System Administration

SC24-5989

Provides guidance and reference information for system and network administrators to use when they work with the zSeries File System Administration support of Distributed File Service.

EREP

This section describes documents for EREP.

EREP Reference

GC35-0152

Provides supplementary material to the User's Guide, including an overview of EREP parameters, control statements, and records; a listing of EREP messages and codes; examples of all types of output reports; and product dependent information about all supported IBM devices.

EREP User's Guide

GC35-0151

Contains detailed instructions and sample procedures for setting up and running EREP in VM, VSE, and MVS environments.

FFST

This section describes the document for First Failure Support Technology™ (FFST).

FFST/MVS FFST/VM Operations Guide

SC31-8604

Describes commands for controlling FFST operation and how to use FFST output to identify and analyze software events.

GDDM

This section describes documents for GDDM® (including PCLK and OS/2 Link) and GDDM-REXX.

*GDDM Base Application Programming Guide***SC33-0867**

Contains guidance information for writing programs that request or receive the services of GDDM.

*GDDM Base Application Programming Reference***SC33-0868**

Contains complete descriptions of all the GDDM program calls and their parameters.

*GDDM Diagnosis***SC33-0870**

Contains problem determination procedures and information needed to diagnose problems encountered in the use of GDDM.

*GDDM General Information***GC33-0866**

Introduces the IBM GDDM series of licensed programs. It also describes new functions, ways in which GDDM is used, software and hardware requirements and the GDDM library.

*GDDM-GKS Programming Guide and Reference***SC33-0334**

Describes how to write and run application programs that use GDDM-GKS, the GDDM Graphical Kernel System licensed program.

*GDDM Image View Utility***SC33-0479**

Describes how to use GDDM-IVU interactively and how to use its application programming interface to add image-handling capabilities to data processing systems.

*GDDM Messages***SC33-0869**

Provides the information that helps users respond to messages issued by GDDM.

*GDDM/MVS Program Directory***GC33-1801**

Provides information about installation, including planning, testing, and servicing GDDM information.

*GDDM System Customization and Administration***SC33-0871**

Describes:

- How to set up and maintain device support for GDDM users
- The effects of GDDM's external defaults and how to customize them

GDDM

- Code-page, font, and symbol-set support, and how to customize them
- Factors that affect GDDM performance and how to tune them
- How to replace modules

GDDM User's Guide

SC33-0875

Describes how to display data and how to manipulate, print, plot, and save displayed data. It also describes installing and using GDDM-PCLK and GDDM-OS/2 Link

GDDM Using the Image Symbol Editor

SC33-0920

Describes how to use the GDDM Image Symbol Editor to create and edit symbols.

GDDM-PGF

This section describes documents for GDDM-PGF.

GDDM-PGF Application Programming Guide

SC33-0913

Provides guidance information for users of the Interactive Chart Utility (ICU), the ICU application programming interface, and the Presentation Graphics routines.

GDDM-PGF Interactive Chart Utility

SC33-0328

Describes how to use the ICU to create and display business graphics.

GDDM-PGF OPS User's Guide

SC33-1776

Describes how to use the Online Presentation System (OPS) to create and display dynamic presentations online, to create high quality foils and pictures, and to view online conventional line-mode print files.

GDDM-PGF Programming Reference

SC33-0333

Provides reference information for users of the application-programming interfaces of GDDM-PGF.

GDDM-PGF Vector Symbol Editor

SC33-0330

Describes how to use the Vector Symbol Editor to produce symbols and logos for use in charts and other business graphics.

Hardware Configuration Definition

This section describes documents for Hardware Configuration Definition (HCD).

z/OS and z/VM HCD Messages

SC33-7986

Describes the messages issued by HCD.

z/OS HCD Planning

GA22-7525

Explains the concepts, actions, and general planning considerations needed to define and maintain an I/O configuration using HCD.

*z/OS HCD Reference Summary***SX33-9032**

Provides a short overview of HCD tasks, navigation options, and information about online help. It also describes the relations among the configuration objects and lists the actions and action codes for each object.

*z/OS HCD Scenarios***SC33-7987**

Contains about 20 scenarios of common hardware configuration tasks.

*z/OS HCD User's Guide***SC33-7988**

Explains how to use HCD to define, activate, modify or view hardware configurations, and query supported hardware. HCD also permits you to maintain and compare IODFs, obtain graphical and textual reports of configurations, and migrate existing configuration data.

Hardware Configuration Manager

This section describes the document for Hardware Configuration Manager (HCM).

*z/OS and z/VM HCM User's Guide***SC33-7989**

Explains how to install and use HCM to create, manage and maintain hardware configuration information.

High Level Assembler

This section describes documents for High Level Assembler and the High Level Assembler Toolkit feature.

*HLASM General Information***GC26-4943**

Provides an overview of High Level Assembler.

*HLASM Installation and Customization Guide***SC26-3494**

Contains installation, customization, diagnosis, and maintenance information for High Level Assembler.

*HLASM Language Reference***SC26-4940**

Contains language reference information to help users code High Level Assembler language programs.

*HLASM Programmer's Guide***SC26-4941**

Contains High Level Assembler product usage information.

High Level Assembler Toolkit

HLASM Toolkit Feature Debug Reference Summary

High Level Assembler

GC26-8712

Provides a reference summary to help users debug assembler language applications.

HLASM Toolkit Feature Installation and Customization Guide

GC26-8711

Contains information for installing and maintaining the High Level Assembler Toolkit Feature.

HLASM Toolkit Feature Interactive Debug Facility User's Guide

GC26-8709

Contains both reference and guidance information for using the High Level Assembler Toolkit Feature Interactive Debug Facility.

HLASM Toolkit Feature User's Guide

GC26-8710

Contains information for using all components of the High Level Assembler Toolkit Feature (other than the Interactive Debug Facility).

IBM Encryption Facility

This section describes documents for the z/OS related feature, Encryption Facility.

Encryption Facility for z/OS: Planning and Customizing

SA23-2229

This document explains how to plan for the Encryption Facility product, including Encryption Services, Encryption Facility for z/OS Client, Encryption Facility for OpenPGP, and DFSMSdss Encryption. It also provides detailed information for the Encryption Services CSDFILEN and CSDFILDE batch programs.

Encryption Facility for z/OS: Using Encryption Facility for OpenPGP

SA23-2230

This document explains how to use Encryption Facility for OpenPGP, which is part of the product feature, IBM® Encryption Services included in IBM Encryption Facility for z/OS. It is intended for anyone who plans, installs, customizes, administers, and uses Encryption Facility for OpenPGP.

IBM Encryption Facility for z/OS: User's Guide

SA23-1349

This document explains how to plan for the Encryption Facility product, including Encryption Services, Encryption Facility for z/OS Client, Encryption Facility for OpenPGP, and DFSMSdss Encryption. It also provides detailed information for the Encryption Services CSDFILEN and CSDFILDE batch programs.

IBM HTTP Server

This section describes documents for IBM HTTP Server.

z/OS HTTP Server Planning, Installing, and Using

SC34-4826

This document explains how to plan for, install, configure, and use the IBM HTTP Server. The Programming section explains how to write external programs that interact with the HTTP Server using the Common Gateway

Interface (CGI), Go Webserver API (GWAPI), or Lightweight Directory Access Protocol (LDAP) API. The most current version of this document is available at:

<http://www.ibm.com/software/webservers/httpservers/doc53.html>

IBM z/OS Management Facility

This section describes the document for IBM z/OS Management Facility.

z/OS Management Facility Configuration Guide

SA38-0652

This document provides information for anyone who needs to set up and use z/OSMF or diagnose problems with this product. This document assumes that you are familiar with the z/OS operating system and its associated products.

IBM WebSphere Application Server OEM Edition for z/OS Configuration Guid

GA38-0631

This document provides information to set up and configure IBM® WebSphere® Application Server OEM Edition for z/OS. The z/OS system applications that use this product might require additional configuration steps beyond what is described in this document.

IBM Tivoli Directory Server

This section describes document supporting IBM Tivoli Directory Server.

IBM Tivoli Directory Server Client Programming for z/OS,

SA23-2214

This document describes the Lightweight Directory Access Protocol (LDAP) client application, which is part of IBM Tivoli Directory Server for z/OS. It is intended for application programmers who have previous knowledge of directory services.

IBM Tivoli Directory Server Administration and Use,

SC23-5191

This document describes the LDAP server which supports Lightweight Directory Access Protocol (LDAP) and runs as a stand-alone daemon. It is based on a client/server model that provides client access to an LDAP server. The LDAP server provides an easy way to maintain directory information in a central location for storage, updating, retrieval, and exchange. It is intended to assist LDAP administrators. LDAP administrators should be experienced and have previous knowledge of directory services. It is also intended for anyone that will be implementing the directory service.

IBM Tivoli Directory Server Messages and Codes,

SA23-2262

This document includes the messages and reason codes produced by the Lightweight Directory Access Protocol (LDAP) server.

IBM Tivoli Directory Server Plug-in Reference for z/OS,

SA76-0148

This document describes writing Lightweight Directory Access Protocol (LDAP) client applications, which are part of IBM Tivoli Directory Server for z/OS. It is intended for application programmers who have previous knowledge of directory services.

ICKDSF

This section describes the document for ICKDSF.

Device Support Facilities (ICKDSF) User's Guide and Reference

GC35-0033

Includes information about how to perform service functions, error detection, and media maintenance for IBM DASD. It also includes a summary of ICKDSF commands that support error detection and media maintenance on IBM DASD.

Infoprint Server

This section describes documents for Infoprint Server and Infoprint Server Transforms. Major components of Infoprint Server are IP PrintWay, NetSpool, Print Interface, and Infoprint Central.

This section describes documents for Infoprint Server and Infoprint Server Transforms. Major components of Infoprint Server are IP PrintWay, NetSpool, Print Interface, and Infoprint Central.

z/OS Infoprint Server Printer Inventory for PSF

S510-7703

Describes the Infoprint Server Printer Inventory for Print Services Facility (PSF), which lets PSF for z/OS customers who do not purchase Infoprint Server define PSF functional subsystems in the Printer Inventory. It describes how to customize Infoprint Server, start and stop Infoprint Server, administer the Printer Inventory for PSF, and diagnose problems in Infoprint Server. Note: PSF customers who purchase Infoprint Server should use the other books in the Infoprint Server library.

z/OS Infoprint Server Introduction

S544-5742

Provides an overview of Infoprint Server for executives and technical personnel.

z/OS Infoprint Server Customization

S544-5744

Describes for the system administrator how to customize Infoprint Server. It describes required environment variables, configuration files, how to write IP PrintWay and NetSpool exit routines, Print Interface filter programs, and the Print Interface API.

z/OS Infoprint Server Messages and Diagnosis

G544-5747

Contains messages and abend codes issued by Infoprint Servers. It also describes how to diagnose problems in Infoprint Server.

z/OS Infoprint Server Operation and Administration

S544-5745

Describes for the operator and system administrator how to start and stop Infoprint Server, how to use Infoprint Central, and how to set up and maintain the Infoprint Server Printer Inventory, which contains all printer information required by Infoprint Server and its components.

Infoprint Transforms to AFP for z/OS

G550-0443

This book describes Infoprint Transforms to AFP V2.1 for z/OS (5655-N60). It describes the transforms and how to customize them, submit transform jobs, and diagnose errors. Also, it describes how to migrate from Infoprint Server Transforms V1.1.

*Infoprint Transforms from AFP for z/OS***G550-0444**

This book describes V2.1 of these products:

- Infoprint Transform for AFP to HP PCL for z/OS (5655-P19)
- Infoprint Transform for AFP to Adobe PDF for z/OS (5655-P20)
- Infoprint Transform for AFP to Adobe PostScript for z/OS (5655-P21)

It describes the transforms and how to customize them, submit transform jobs, and diagnose errors. Also, it describes how to migrate from Infoprint Server Transforms V1.1.

Integrated Security Services

This section describes documents for the Integrated Security Services, including Enterprise Identity Mapping, Network Authentication Service, and Open Cryptographic Services Facility.

Integrated Security Services Enterprise Identity Mapping (EIM) Guide and Reference

SA22-7875

This document contains information about using Enterprise Identity Mapping (EIM). EIM is an architecture that serves as a security technology to make it easier to manage users in a cross-platform environment.

z/OS Integrated Security Services Network Authentication Service Administration

SC24-5926

Provides an introduction to the z/OS implementation of Kerberos Version 5 from MIT, as well as configuration and administration information, including the few administration commands needed. It also includes status codes and messages.

z/OS Integrated Security Services Network Authentication Service Programming

SC24-5927

Contains all of the application programming interfaces (APIs): Kerberos, GSS-API, and GSS-API with Kerberos mechanism, for the z/OS implementation of Kerberos Version 5 from MIT.

z/OS Integrated Security Services Open Cryptographic Enhanced Plug-ins Application Programming

SC24-5925

Describes the OCEP service provider modules and how they are intended to be used with the framework provided by the Open Cryptographic Services Facility (OCSF). It also describes how these service provider modules enable daemon applications to use RACF to provide security functions relating to digital certificates.

ISPF

This section describes documents for ISPF.

z/OS ISPF Dialog Developer's Guide and Reference

SC34-4821

Describes how to use the ISPF Dialog Manager component. Explains how to create ISPF panels using Dialog Tag Language (DTL), control ISPF sessions, use ISPF facilities and services, and define ISPF panel messages and file tailoring skeletons.

z/OS ISPF Dialog Tag Language Guide and Reference

SC34-4824

Explains how to use the Dialog Tag Language (DTL) to design and create ISPF dialogs containing elements such as application panels, help panels, variables, fields, messages, command tables and key lists. It also includes an alphabetical reference guide to DTL tags.

z/OS ISPF Edit and Edit Macros

SC34-4820

Explains how to use the ISPF editor and how to use, write and test edit macros. Includes an alphabetical reference guide to edit line, primary, and macro commands available for ISPF.

z/OS ISPF Messages and Codes

SC34-4815

Provides information for ISPF users about error messages and codes issued by ISPF, PDF, and SCLM.

z/OS ISPF Planning and Customizing

GC34-4814

Provides planning information and procedures.

z/OS ISPF Reference Summary

SC34-4816

Provides a quick reference for application developers and library administrators to ISPF services and variables, edit macro commands, SCLM services and macros, and DTL tags.

z/OS ISPF Services Guide

SC34-4819

Describes how to use ISPF Dialog Management services and PDF Services to develop dialogs, including information about each service such as syntax, return codes, and examples.

z/OS ISPF Software Configuration and Library Manager Guide and Reference

SC34-4817

Describes how to set up and maintain an SCLM project environment, and how programmers can use SCLM functions to control development projects.

z/OS ISPF User's Guide Vol I

SC34-4822

Describes the ISPF user interface and introduces ISPF concepts and functions including commands, libraries, and data sets.

z/OS ISPF User's Guide Vol II

SC34-4823

Provides detailed reference and usage information about using ISPF options 0 to 10 and the SuperC and Search-For data set utilities.

JES

This section describes documents that are shared between JES2 and JES3.

*z/OS JES3 Commands***SA22-7540**

This document describes the application programming of JES2 and JES3. This document provides the information that you need to:

- Use the Spool Data Set Browse.
- Use the Server/Client Print Interface.
- Use the Internal Reader.
- Use the IBM-supplied External Writer.

JES2

This section describes documents for JES2.

*z/OS JES2 Commands***SA22-7526**

Provides the system console operator and system programmer with the information required to control JES2. The document presents task-oriented material required to use JES2 commands to perform various tasks and a reference section that presents all JES2 commands in alphabetic order.

*z/OS JES2 Diagnosis***GA22-7531**

Describes the use of JES2 diagnostic aids and tools and how to interpret the output of those aids and tools. The document helps the system programmer to identify a problem, collect information about the problem, report the problem to IBM, and fix the problem.

*z/OS JES2 Initialization and Tuning Guide***SA22-7532**

Describes the general functions of JES2 and provides information about JES2 initialization, JES2 processing, network job entry (NJE), remote job entry (RJE), and factors affecting performance.

Its companion document, *z/OS JES2 Initialization and Tuning Reference* describes the JES2 initialization statements in detail.

*z/OS JES2 Initialization and Tuning Reference***SA22-7533**

Describes the JES2 initialization statements and their parameters and provides summary or overview charts of the statements.

*z/OS JES2 Installation Exits***SA22-7534**

Provides system programming information about the use of IBM-defined and installation-defined JES2 exit routines. It describes how to establish JES2 exit routines to tailor JES2 without source code modification.

JES2

z/OS JES2 Introduction

SA22-7535

Provides a high-level overview of JES2, its functions, and its relationship to other MVS components. It also provides an overview of JES2 initialization, operation, and customization and diagnostic techniques.

z/OS JES2 Macros

SA22-7536

Provides information about the use and syntax of JES2 executable macro instructions.

z/OS JES2 Messages

SA22-7537

Describes JES2 messages and suggests appropriate operator, system programmer, and application programmer responses.

JES3

This section describes documents for JES3.

z/OS JES3 Commands

SA22-7540

Describes the commands used to operate JES3 and provides system operators and system programmers with the information required to control JES3. This document contains task-oriented material required to use JES3 commands to perform various tasks and a reference section in which all JES3 commands are presented in alphabetic order.

z/OS JES3 Customization

SA22-7542

Provides information on customizing JES3 through the use of dynamic support programs (DSPs) and installation exits. The document explains how to write a DSP and an installation exit routine and describes the JES3 macros available.

z/OS JES3 Diagnosis

GA22-7547

Provides information on tools for diagnosing JES3 and user-written extensions of JES3.

z/OS JES3 Diagnosis Reference

GA22-7548

Contains interactive problem control system (IPCS) information pertinent to JES3, control block chaining, module tables, and mapping macro tables.

z/OS JES3 Initialization and Tuning Guide

SA22-7549

Provides guidance information required to install, initialize, customize, and tune JES3.

z/OS JES3 Initialization and Tuning Reference

SA22-7550

Provides reference information required to install, initialize, customize, and tune JES3.

z/OS JES3 Introduction

SA22-7551

Provides overview information about JES3 including the various processor and device combinations under which JES3 operates. This document also describes JES3 features of interest to an operator, an application programmer, and a system programmer.

*z/OS JES3 Messages***SA22-7552**

Describes JES3 messages and suggests appropriate operator, system programmer, and application programmer responses.

Language Environment

This section describes documents for Language Environment®.

*z/OS Language Environment Concepts Guide***SA22-7567**

Introduces Language Environment architecture, a system of constructs and interfaces that provides a common run-time environment and run-time services for all Language Environment-conforming programming language products (those products that adhere to Language Environment's common interface).

*z/OS Language Environment Customization***SA22-7564**

Explains how to customize and maintain Language Environment for z/OS.

*z/OS Language Environment Debugging Guide***GA22-7560**

Explains how to debug applications that run with Language Environment, get details on run-time messages, and diagnose problems with Language Environment. Provides assistance with detecting and locating programming errors that occur during run time under Language Environment. It can help you establish a debugging process to analyze data and narrow the scope and location of where an error might have occurred. You can read about how to prepare a routine for debugging, how to classify errors, and how to use the debugging facilities Language Environment provides. Also included are chapters on debugging HLL-specific routines and routines that run under CICS.

*z/OS Language Environment Programming Guide***SA22-7561**

Describes how to:

- Prelink, link, and run (under MVS, TSO/E, or z/OS UNIX System Services) single-language applications written in IBM C, C++, COBOL, PL/I, Fortran, and assembler.
- Effectively use Language Environment callable services and run-time options.
- Understand and use Language Environment initialization and termination, program management, storage management, condition handling, NLS, Date/Time, and locale support.

z/OS Language Environment Programming Guide for 64-bit Virtual Addressing Mode

Language Environment

SA22-7569

Describes how to:

- Prelink, link, and run single-language applications using 64-bit virtual addressing mode and written in IBM C, C++, and assembler.
- Effectively use Language Environment callable services and run-time options for 64-bit addressing.
- Understand and use Language Environment initialization and termination, program management, storage management, condition handling, NLS, Date/Time, and locale support.

z/OS Language Environment Programming Reference

SA22-7562

Provides application programmers with a detailed description of each Language Environment run-time option and callable service, as well as information on how to use them. It also provides programming examples that illustrate how each callable service can be used in routines written in Language Environment-conforming high-level languages (HLLs) and assembler language.

z/OS Language Environment Run-Time Messages

SA22-7566

Contains run-time messages and return codes for Language Environment and supported high-level languages, including C/C++, Fortran, PL/I, VisualAge® PL/I, and COBOL.

z/OS Language Environment Run-Time Application Migration Guide

GA22-7565

Provides an overview of the steps required to migrate applications for use with Language Environment. This document is designed to help you create a broad migration strategy. This document will help you identify which modules can be migrated first, and which will require relinking or recompiling. It also explains how to use Language Environment run-time options to achieve behavior that is compatible with your old modules.

The following run-time migration guides for specific languages are also provided in softcopy on the z/OS Collection.

- *Enterprise COBOL for z/OS, V4R2, Compiler and Runtime Migration Guide* (GC23-8527)
- *z/OS XL C/C++ Compiler and Run-Time Migration Guide for the Application Programmer* (GC09-4913)
- *Enterprise COBOL for z/OS, V4R2, Programming Guide* (GC27-1409)
- *Enterprise PL/I for z/OS, V3R9, Migration Guide* (GC27-1458)
- *VisualAge PL/I for OS/390 Compiler and Run-Time Migration Guide* (SC26-9474)
- *PL/I for MVS & VM Compiler and Run-Time Migration Guide* (SC26-3118)
- *Language Environment for MVS & VM Fortran Run-Time Migration Guide* (SC26-8499)

z/OS Language Environment Writing Interlanguage Communication Applications

SA22-7563

Describes how to create and run applications that contain interlanguage communication with Language Environment.

*z/OS Language Environment Vendor Interfaces***SA22-7568**

Documents the set of low-level interfaces, or compiler-writer interfaces (CWIs), that can be used between the common run-time component and C, C++, COBOL, Fortran, PL/I, VisualAge PL/I, and other member run-time components of Language Environment.

Library Server

This section describes documents for Library Server, previously known as BookManager BookServer.

*z/OS IBM BookManager BookServer for World Wide Web: Getting Started***SC31-8814**

Describes the features of the BookManager BookServer product for Web servers. It provides information for both administrators and users. With IBM BookManager BookServer, administrators can create a library of BookManager electronic documents and make it available on the Internet. Users can read and search for information in these electronic documents using any Web browser such as Netscape.

*Library Server: Getting Started***SC31-6376**

Describes the z/OS Library Server and how to use and configure the z/OS LibraryCenter.

Metal C Runtime Library

This section describes the document that supports Metal C Runtime Library.

*z/OS Metal C Programming Guide and Reference***SC33-7997**

Provides instructions for users of the z/OS or z/OS.e C/C++ compiler who are using the Metal C compiler option. It contains an introduction, descriptions of C functions and header files, an appendix on stack requirements, It also contains advanced guidelines and information for developing C and C++ programs to run on the z/OS or z/OS.e operating systems.

MVS

This section describes documents for MVS (Base Control Program).

*z/OS Batch Runtime Planning and User's Guide***SA23-2270**

Describes COBOL and Java interoperability and explains how your installation can: Convert existing COBOL applications to Java Enhance COBOL code with Java methods Share access to DB2.

*z/OS Capacity Provisioning***SC33-8299**

Describes capacity planning on z/OS.

*z/OS MVS Device Validation Support***SA22-7586**

Describes the requirements for I/O devices that are not supported.

z/OS MVS Diagnosis: Reference

GA22-7588

Provides system reference material needed for diagnosing system problems. It describes the problem data that is available in dumps and traces and also explains how to request and format that data.

z/OS MVS Diagnosis: Tools and Service Aids

GA22-7589

Describes how to use IBM tools (such as dumps and traces) and service aid programs (LIST and SPZAP) to diagnose and fix problems in system and application programs.

z/OS MVS Dump Output Messages

SA22-7590

Provides a single dump message reference for the interactive problem control system (IPCS), the MVS components that provide IPCS formatters, and TSO/E.

z/OS MVS Initialization and Tuning Guide

SA22-7591

Contains information about tasks related to MVS initialization, with a major focus on the use of SYS1.PARMLIB to manage system resources. Its companion document, *z/OS MVS Initialization and Tuning Reference*, describes the members of SYS1.PARMLIB in detail.

z/OS MVS Initialization and Tuning Reference

SA22-7592

Describes the function, use, and format of each member of SYS1.PARMLIB. It contains reference information related to many MVS components and to other products.

z/OS MVS Installation Exits

SA22-7593

Describes the installation exits available for modifying the MVS element of z/OS.

z/OS MVS IPCS Commands

SA22-7594

Provides reference information about the IPCS commands, subcommands, and dialog commands. The document describes how to use IPCS and gives examples of subcommand syntax and output generated by the subcommands.

z/OS MVS IPCS Customization

SA22-7595

Provides IPCS programming requirements and explains how to customize access to IPCS and the IPCS dialog. The programmer can use this document when writing IPCS exit routines, using IPCS-shipped CLISTs, and setting IPCS defaults.

z/OS MVS IPCS User's Guide

SA22-7596

Explains how to access IPCS, presents the IPCS full-screen dialog, and provides information about the IPCS subcommands.

z/OS MVS JCL Reference

SA22-7597

Describes how to code JCL, JES2, and JES3 control statements needed to perform the job control tasks presented in *z/OS MVS JCL User's Guide*.

z/OS MVS JCL User's Guide

SA22-7598

Describes the job control tasks needed to submit jobs into the operating system, control the system's processing of jobs, and request the resources needed to run jobs. Its companion document, *z/OS MVS JCL Reference*, provides JCL coding information.

z/OS MVS Planning: APPC/MVS Management

SA22-7599

Presents an overall picture of APPC/MVS as it relates to the rest of MVS, Systems Application Architecture®, and APPC, to help integrate APPC/MVS into existing configurations.

z/OS MVS Planning: Global Resource Serialization

SA22-7600

Describes how to plan, install, operate, and tune a global resource serialization complex.

z/OS MVS Planning: Operations

SA22-7601

Provides the information that a system programmer needs to understand how to plan MVS operations. Its primary focus is on how to plan an MVS console configuration.

z/OS MVS Planning: Workload Management

SA22-7602

Describes workload management concepts and interfaces. It includes the steps required for using workload management and the benefits of using it.

z/OS MVS Product Management

SA22-7603

Explains two usage pricing methods: S/390® Usage Pricing and Measured Usage License Charges. Also explains S/390 dynamic enablement externals for a product administrator. The document describes the data analysis utility covering both data collecting and reporting. It also describes how to change the enablement policy and provides information about the enablement report.

z/OS MVS Program Management: Advanced Facilities

SA22-7644

Describes the programming interfaces provided by the program management component of z/OS. It describes the Binder Application Programming Interface, macros, user exits, and buffer formats.

z/OS MVS Program Management: User's Guide and Reference

SA22-7643

Describes the end user interfaces provided by the program management component of z/OS. It contains an overview of the components, describes how to create executable programs from source modules, use the program management binder (starting, defining input, editing data, options, control statements), the linkage editor, and the batch loader.

*z/OS MVS Programming: Assembler Services Guide***SA22-7605**

Describes how to use MVS services for unauthorized assembler language programs. This document also contains guidelines and suggested coding practices for coding in 31-bit addressing mode and for modifying programs that use 24-bit addressing mode to use 31-bit addressing mode. If you are relatively new to assembler language programming for MVS, this document is a good place to start.

Its companion documents, *z/OS MVS Programming: Assembler Services Reference ABE-HSP* and *z/OS MVS Programming: Assembler Services Reference IAR-XCT*, describe coding the macros that invoke these MVS services.

*z/OS MVS Programming: Assembler Services Reference, Volumes 1–2***SA22-7606**

z/OS MVS Programming: Assembler Services Reference ABE-HSP

SA22-7607

z/OS MVS Programming: Assembler Services Reference IAR-XCT

These volumes describe how to code the macros and callable services that invoke the services of MVS. These macros and callable services are available to all assembler language programs.

*z/OS MVS Programming: Authorized Assembler Services Guide***SA22-7608**

Describes how to use MVS services for authorized assembler language programs. Its companion documents, *z/OS MVS Programming: Authorized Assembler Services Reference, Volumes 1–4*, describe coding the macros that invoke these services.

*z/OS MVS Programming: Authorized Assembler Services Reference, Volumes 1–4***SA22-7609**

z/OS MVS Programming: Authorized Assembler Services Reference ALE-DYN

SA22-7610

z/OS MVS Programming: Authorized Assembler Services Reference EDT-IXG

SA22-7611

z/OS MVS Programming: Authorized Assembler Services Reference LLA-SDU

SA22-7612

z/OS MVS Programming: Authorized Assembler Services Reference SET-WTO

Describe how to code the macros and callable services that are available only to authorized assembler language programs.

*z/OS MVS Programming: Callable Services for High-Level Languages***SA22-7613**

Describes the callable services available to the programmer coding in a high-level language such as COBOL, FORTRAN, C, Pascal, and PL/1. These services are also available to assembler language programmers.

z/OS MVS Programming: Extended Addressability Guide

SA22-7614

Describes how to use cross memory services and extended addressability techniques, such as data spaces and hiperspaces to extend the virtual storage available to programs.

*z/OS MVS Programming: JES Common Coupling Services***SA22-7615**

Provides MVS and JES system programmers with both guidance and reference information on how to use the JES common coupling services assembler macros and installation exits to affect JES communication processing in a sysplex environment.

*z/OS MVS Programming: Product Registration***SA22-7604**

Provides guidance and reference information for the registration callable services, which are used to register an element or prepare an optional feature for dynamic enablement.

*z/OS MVS Programming: Resource Recovery***SA22-7616**

Describes how to use recoverable resource management services (RRMS) in a resource manager that provides access to protected resources. Resource recovery services (RRS), a system component, is the sync-point manager. While this document is primarily for experienced programmers, it also describes managing RRS at an installation, including information about using system logger with RRS and running RRS.

*z/OS MVS Programming: Sysplex Services Guide***SA22-7617**

Describes how to use the sysplex services available to assembler language programs that participate in a sysplex, communicate with other members of a sysplex, benefit from automatic restarts, and share data using the coupling facility.

*z/OS MVS Programming: Sysplex Services Reference***SA22-7618**

Describes how to code sysplex services for assembler language programs that participate in a sysplex, communicate with other members of a sysplex, benefit from automatic restarts, and share data using the coupling facility.

*z/OS MVS Programming: Workload Management Services***SA22-7619**

Describes the services intended for use by subsystem work managers and performance monitoring products.

*z/OS MVS Programming: Writing Servers for APPC/MVS***SA22-7620**

Provides the information that an application developer needs to write servers for use in an APPC/MVS environment.

*z/OS MVS Programming: Writing Transaction Programs for APPC/MVS***SA22-7621**

Provides the information that an application programmer needs to write APPC transaction programs for use on MVS.

z/OS MVS Programming: Writing Transaction Schedulers for APPC/MVS

SA22-7622

Provides the information that an application programmer or system programmer needs to write transaction schedulers other than the one provided by APPC/MVS.

*z/OS MVS Setting Up a Sysplex***SA22-7625**

Provides the information that a system programmer needs to plan, install, and tune MVS systems in a sysplex. It includes information about the policies available for managing a sysplex as well as information about the coupling facility.

*z/OS Unicode Services User's Guide and Reference***SA22-7649**

This manual provides information for setting up and using the z/OS Support for the Unicode product. The manual also includes a complete list of the IBM-supplied conversion tables.

*z/OS MVS System Codes***SA22-7626**

Describes system completion and wait state codes.

*z/OS MVS System Commands***SA22-7627**

Describes the system commands available to control an MVS system.

*z/OS MVS System Management Facilities (SMF)***SA22-7630**

Provides information for system programmers who implement policies and procedures to account for data processing costs. This task includes deciding how to apportion data processing costs to data processing users and using SMF record data to obtain the required information about the use of system resources.

*z/OS MVS System Messages, Volumes 1–10***SA22-7631**

z/OS MVS System Messages, Vol 1 (ABA-AOM)

SA22-7632

z/OS MVS System Messages, Vol 2 (ARC-ASA)

SA22-7633

z/OS MVS System Messages, Vol 3 (ASB-BPX)

SA22-7634

z/OS MVS System Messages, Vol 4 (CBD-DMO)

SA22-7635

z/OS MVS System Messages, Vol 5 (EDG-GFS)

SA22-7636

z/OS MVS System Messages, Vol 6 (GOS-IEA)

SA22-7637

z/OS MVS System Messages, Vol 7 (IEB-IEE)

SA22-7638

z/OS MVS System Messages, Vol 8 (IEF-IGD)

SA22-7639

z/OS MVS System Messages, Vol 9 (IGF-IWM)

SA22-7640

z/OS MVS System Messages, Vol 10 (IXC-IZP)

Describe the messages issued by MVS and other z/OS elements, and suggests appropriate operator, system programmer, and application programmer responses.

z/OS MVS Using the Functional Subsystem Interface

SA22-7641

Describes the functional subsystem interface (FSI) and shows how a functional subsystem (FSS) and a job entry subsystem (JES) communicate using the FSI.

z/OS MVS Using the Subsystem Interface

SA22-7642

Provides information needed both to write a subsystem and to invoke subsystem services. This document describes the subsystem interface (SSI) and provides detailed, uniform descriptions of the subsystem interface function codes and examples that help users understand them.

Network File System

This section describes documents for Network File System.

z/OS Network File System Guide and Reference

SC26-7417

This book is a combination of three earlier z/OS NFS books. It describes techniques for:

- accessing and creating MVS data sets from a client environment using the NFS protocol
- customizing and operating the z/OS Network File System server
- diagnosing and tuning NFS on z/OS.

Open Systems Adapter Support Facility

This section describes documents for the Open Systems Adapter Support Facility.

zEnterprise 196, System z10, System z9 and eServer zSeries OSA-Express Customer's Guide and Reference

SA22-7935

Describes how to define and use the Open Systems Adapter-Express feature and the Open Systems Adapter Support Facility (OSA/SF) for zSeries processors. An OSA-Express is an integrated zSeries hardware feature that combines the functions of an I/O channel with the functions of a network port to provide direct connectivity between eServer applications and their clients on the attached network.

z900: OSA-2 Planning Guide

GA22-7477

Describes how to install and use the Open Systems Adapter-2 feature and the Open Systems Adapter Support Facility (OSA/SF).

OSA-ICC User's Guide

SA22-7990

Describes how to use the Open Systems Adapter Integrated Controller.

Parallel Sysplex

This section describes documents for Parallel Sysplex®. For help setting up a Parallel Sysplex, see **z/OS Parallel Sysplex Customization Wizard** at:

<http://www.ibm.com/systems/z/os/zos/wizards/>

z/OS Parallel Sysplex Application Migration

SA22-7662

Contains planning considerations for the parallel processing of applications that run on Customer Information Control System (CICS)/ESA and Information Management System (IMS)/ESA.

z/OS Parallel Sysplex Overview

SA22-7661

Provides an overview of the sysplex and coupling facility data sharing. It describes basic concepts and the value of the sysplex to your business.

Resource Measurement Facility (RMF)

This section describes documents for Resource Measurement Facility.

z/OS RMF Messages and Codes

SC33-7993

Explains messages.

z/OS RMF NewsFLASH

SC33-7995

Provides most current information about RMF™ and RMF-related tools.

z/OS RMF Performance Management Guide

SC33-7992

Describes how to optimize performance management.

z/OS RMF Programmer's Guide

SC33-7994

Describes Resource Measurement Facility programming interfaces.

z/OS RMF Reference Summary

SX33-9033

Describes all Resource Measurement Facility commands and options.

z/OS RMF Report Analysis

SC33-7991

Describes the content of all Resource Measurement Facility reports.

z/OS RMF User's Guide

SC33-7990

Describes all relevant tasks belonging to performance management.

REXX Alternate Library

This section describes the documents for REXX Alternate Library.

IBM Compiler and Library for REXX on System z: User's Guide and Reference

SH19-8160

Describes how to compile and run programs written in the Restructured EXTended eXecutor (REXX) language. It describes how to use the:

- IBM Compiler for REXX on zSeries (referred to as the Compiler)
- IBM Library for REXX on zSeries (referred to as the Library)

IBM Compiler and Library for REXX on System z: Diagnosis Guide

SH19-8179

Provides information to help system programmers and IBM service personnel to diagnose problems encountered when using the:

- IBM Compiler for REXX on zSeries (referred to as the Compiler)
- IBM Library for REXX on zSeries (referred to as the Library)

Run-Time Library Extensions

This section describes documents for the C/C++ Compiler feature. For related books of the z/OS C/C++ Compiler features, see “XL C/C++ Compiler” on page 48.

z/OS Common Debug Architecture User's Guide

SC09-7653

Common Debug Architecture User's Guide introduces the user to Common Debug Architecture (CDA). It first provides a high-level overview of CDA. The document then illustrates how to use the CDA libraries and utilities, through explanations and examples. Finally, it shows an example implementation, using the utilities that are shipped with CDA.

z/OS Common Debug Architecture Library Reference

SC09-7654

Common Debug Architecture Library Reference is the reference for the Common Debug Architecture (CDA) library, libddpi. It provides a brief overview of CDA, but the majority of the document is a detailed description of every API and type. CDA is written in the C programming language. CDA is based on ELF application binary interfaces (ABIs) and the DWARF format.

DWARF/ELF Extensions Library Reference

SC09-7655

DWARF/ELF Extensions Library Reference is intended for programmers who will be developing program-analysis applications and debugging applications for the IBM C/C++ compiler on the z/OS operating system. These applications will create or query information from ELF objects and DWARF debugging information on the z/OS operating system.

SDSF

This section describes the document for SDSF.

z/OS SDSF Operation and Customization

SA22-7670

Describes ISFPARMS, security, operation of the SDSF server, and problem determination, including messages and codes.

For help in configuration that is required for sysplex support on device and browse panels, see the **z/OS SDSF Customization Wizard** at

<http://www.ibm.com/systems/z/os/zos/wizards/>

Security Server

This section describes documents for the z/OS Security Server (RACF).

z/OS Security Server RACROUTE Macro Reference

SA22-7692

Describes the RACF system macros and explains how to code the interfaces.

z/OS Security Server RACF Auditor's Guide

SA22-7684

Describes auditing considerations as well as how to use the SMF data unload facility, the RACF report writer, and the data security monitor.

z/OS Security Server RACF Callable Services

SA22-7691

Describes the RACF callable services and explains how to code the interfaces.

z/OS Security Server RACF Command Language Reference

SA22-7687

Contains the functions and syntax of all the RACF commands.

z/OS Security Server RACF Data Areas

GA22-7680

Contains descriptions of the data areas used by RACF.

z/OS Security Server RACF Diagnosis Guide

GA22-7689

Explains how to diagnose problems in RACF.

z/OS Security Server RACF Macros and Interfaces

SA22-7682

Describes each product macro and its syntax and explains how to code the interfaces.

z/OS Security Server RACF Messages and Codes

SA22-7686

Contains the RACF messages, routing and descriptor codes, RACF manager return codes, and RACF-related system completion codes.

z/OS Security Server RACF Security Administrator's Guide

SA22-7683

Explains RACF concepts and describes how to plan for and implement RACF.

z/OS Security Server RACF System Programmer's Guide

SA22-7681

Describes how to modify and maintain RACF.

z/OS Security Server RACF General User's Guide

SA22-7685

Explains how general users can perform basic security tasks with RACF, such as protecting data sets and general resources.

SMP/E

This section describes documents for SMP/E.

SMP/E Commands

SA22-7771

Contains detailed information about the syntax and processing of SMP/E commands and associated reports.

SMP/E Messages, Codes, and Diagnosis

GA22-7770

Explains how to handle and diagnose suspected SMP/E problems. Lists the messages issued by SMP/E, explains why they may be issued, and tells how to respond to them. It also lists the return codes that may be issued for each SMP/E command, explains what they mean and how to respond to them, and provides error recovery procedures for each command

SMP/E Reference

SA22-7772

Contains detailed information about the syntax and processing of SMP/E MCS statements. Also describes the data sets required by SMP/E commands, explains the contents of the entries used by SMP/E to manage the system, and explains the output produced by SMP/E. It explains how to use the SMP/E user exit routines and service routines, provides information on how to tailor SMP/E processing, and documents the intended programming interfaces.

SMP/E User's Guide

SA22-7773

Describes how to use SMP/E. It contains an overview of SMP/E and the data sets it uses, describes how to install software, and explains how to use SMP/E to manage the system.

TSO/E

This section describes documents for TSO/E.

z/OS TSO/E Administration

SA22-7780

Describes ways to define users to TSO/E through the ACCOUNT command and through the Information Center Facility services. It also provides detailed information about maintaining the Information Center Facility services.

z/OS TSO/E CLISTS

SA22-7781

Contains information about creating, structuring, and executing CLISTS.

z/OS TSO/E Command Reference

SA22-7782

Contains syntax information for non-authorized TSO/E commands and Session Manager tasks. Authorized commands are described in *z/OS TSO/E System Programming Command Reference*.

z/OS TSO/E Customization

SA22-7783

Contains the information necessary to customize and maintain a TSO/E system.

z/OS TSO/E General Information

SA22-7784

Contains an overview of the TSO/E element of z/OS. It explains the purpose and benefits of TSO/E, the functions and tools available to end users and programmers, and introduces the customization, administration, and diagnosis aspects of TSO/E.

z/OS TSO/E Guide to SRPI

SA22-7785

Explains how to write a server to receive a service request, process the request, and return a reply to the requester. The document includes a sample server, along with information about installing, testing, and debugging servers for use with the TSO/E Enhanced Connectivity Facility.

z/OS TSO/E Messages

SA22-7786

Contains descriptions and the detecting module for TSO/E messages that are displayed on the screen, and MVSSERV messages that are written to a trace data set.

z/OS TSO/E Primer

SA22-7787

Explains simple concepts and leads new users through basic TSO/E tasks, such as logon, use of panels and data sets, and sending and receiving information. It shows them how to use the Information Center Facility, issue line mode TSO/E commands, and access ISPF/PDF.

z/OS TSO/E Programming Guide

SA22-7788

Explains how to write application programs that run under TSO/E, such as CLISTs, REXX execs, command processors, servers, and callable programs.

z/OS TSO/E Programming Services

SA22-7789

Describes TSO/E services including the parse service routine, I/O service routines, space management service, table look-up service, printer support CLISTs, and the TSO/E environment service. It also explains how to access the Information Center Facility names directory from an application program.

z/OS TSO/E REXX Reference

SA22-7790

Describes the structure and general syntax of the REXX language including expressions and operators, clauses, and assignments and symbols.

z/OS TSO/E REXX User's Guide

SA22-7791

Explains how to design, write, and run REXX execs.

z/OS TSO/E System Diagnosis: Data Areas

GA22-7792

Contains mappings of data areas that are used by two or more components or programming interfaces, or are needed for debugging and diagnosis. It provides information for debugging installation-provided programs or diagnosing IBM-provided programs.

z/OS TSO/E System Programming Command Reference

SA22-7793

Describes authorized TSO/E commands including ACCOUNT, CONSOLE, CONSPROF, OPERATOR, and PARMLIB.

z/OS TSO/E User's Guide

SA22-7794

Reinforces basic concepts introduced in *z/OS TSO/E Primer* and gives additional details. It also describes more complex tasks such as preparing and running programs in the foreground or background, customizing the terminal session, and using Session Manager.

UNIX System Services

This section describes documents for

- *z/OS UNIX System Services Shells, Utilities, and Debugger*
- *z/OS UNIX System Services Parallel Environment*
- *z/OS UNIX System Services Connection Manager*
- *z/OS UNIX System Services Process Manager*

If you are installing and customizing z/OS UNIX System Services for the first time, see the z/OS UNIX Customization Wizard at:

<http://www.ibm.com/systems/z/os/zos/wizards/>

z/OS UNIX System Services Command Reference

SA22-7802

Provides information that is needed to use a z/OS system with the shell and utilities feature as well as TSO/E commands for using z/OS UNIX.

z/OS UNIX System Services Connection Scaling Reference for iBaanERP Solutions

SA22-7809

Provides information about the installation, programming interfaces, and problem determination tools available for the Connection Manager and Process Manager components of z/OS UNIX System Services.

z/OS UNIX System Services File System Interface Reference

SA22-7808

Provides details for coding to the z/OS UNIX System Services file system interface.

z/OS UNIX System Services Messages and Codes

SA22-7807

Explains the messages, return, and reason codes that occur in the z/OS UNIX shells or debugger.

z/OS UNIX System Services Parallel Environment: MPI Programming and Subroutine Reference

SA22-7812

Lists the subroutines a programmer can use when writing parallel applications, along with the associated parameters and syntax.

z/OS UNIX System Services

z/OS UNIX System Services Parallel Environment: Operation and Use

SA22-7810

Provides information for end users and application developers on how to compile, run, and analyze parallel programs

z/OS UNIX System Services Planning

GA22-7800

Contains information needed to plan for the use of UNIX System Services in a z/OS environment.

z/OS UNIX System Services Programming: Assembler Callable Services Reference

SA22-7803

Describes z/OS UNIX callable services.

z/OS UNIX System Services Programming Tools

SA22-7805

Describes advanced application programming tools, such as make and dbx.

z/OS UNIX System Services User's Guide

SA22-7801

Describes how to use the z/OS UNIX shells and file system.

z/OS Using REXX and z/OS UNIX System Services

SA22-7806

Describes how to use the REXX programming language to access z/OS UNIX System Services.

XL C/C++ Compiler

This section describes documents for the XL C/C++ Compiler feature. For related books of the Run-Time Library Extensions element of z/OS, see "Run-Time Library Extensions" on page 43.

z/OS XL C/C++ Language Reference

SC09-4815

Provides reference information for the C and C++ programming languages as implemented in the z/OS C/C++ compilers.

z/OS C Curses

SA22-7820

Describes programming for the screen management orders known as curses.

z/OS XL C/C++ Compiler and Run-Time Migration Guide for the Application Programmer

GC09-4913

Provides information for programmers who are migrating to the z/OS C/C++ compiler and the Language Environment run-time library. It discusses migration from the C/370™, AD/Cycle® C/370, C/C++ for MVS/ESA, and previous z/OS C/C++ compilers; the C/370 libraries; and previous releases of Language Environment.

Standard C++ Library Reference

SC09-4949

This document provides a technical reference on the details of the Standard C++ Library.

z/OS XL C/C++ Messages

GC09-4819

Describes C/C ++ messages and suggests appropriate operator, system programmer, and application programmer responses.

z/OS XL C/C++ Programming Guide

SC09-4765

Provides guidance on how to write C/C++ programs for the z/OS C/C++ compiler and the C/C++ run-time library component of z/OS Language Environment.

z/OS XL C/C++ Run-Time Library Reference

SA22-7821

Contains information for all z/OS C/C ++ library functions (except for z/OS C Curses).

z/OS XL C/C++ User's Guide

SC09-4767

Describes the processes of compiling, IPA linking, binding, prelinking and linking, and running both z/OS C and z/OS C++ programs. This document includes information on compiler options, listings, z/OS C/C++ utilities, compiler messages, and program diagnosis.

Chapter 3. z/OS document order numbers

The following table contains the order numbers for z/OS documents for each release.

The **Title** column contains the full title of the document. The **Release** column contains the form number applicable to that release. For information about how to order hardcopy documents, see Chapter 1, “Accessing, viewing, and printing z/OS documentation,” on page 1.

The majority of z/OS documents are available in PDF and BookManager format on the **z/OS Version 1 Release 13 Collection**, on the Internet, and in the z/OS Information Center. The * indicates that this book is available in hardcopy only and is not on the z/OS Collection. Generally, most documents are not orderable in hardcopy; however, the notation ^{HC} next to a title indicates that the document can be ordered for a fee in hardcopy. The notation ^{Web} next to a title indicates that the document is available only on the Internet, in PDF and BookManager format. The document is not on the **z/OS Version 1 Release 13 Collection**, nor is it orderable in hardcopy.

Each time a document is refreshed, whether in softcopy only or both in hardcopy and softcopy, the suffix (dash) level of the document is increased. This increase means that sometimes you might not be able to order a hardcopy of the latest suffix level of a document (for example, if it was refreshed only in softcopy between z/OS releases). See the document abstract for information about how to obtain softcopy. To order hardcopy, you might need to select a lower suffix level in these cases.

If you are reading this document in PDF or BookManager form, in the same directory or bookshelf with the softcopy documents it refers to, you can open a referenced document in this section by placing the cursor under the highlighted title and pressing Enter.

Table 1. z/OS titles, order numbers, and media

Title	Release 10	Release 11	Release 12	Release 13
System-level				
z/OS Hot Topics Newsletter *	GA22-7501-15	GA22-7501-16	GA22-7501-17	GA22-7501-20
z/OS Information Roadmap	SA22-7500-11	SA22-7500-12	SA22-7500-13	SA22-7500-14
z/OS Introduction and Release Guide	GA22-7502-14	GA22-7502-17	GA22-7502-18	GA22-7502-19
z/OS Licensed Program Specifications	GA22-7503-14	GA22-7503-15	GA22-7503-16	GA22-7503-17
z/OS Migration	GA22-7499-13	GA22-7499-15	GA22-7499-17	GA22-7499-19
z/OS Planning for Installation	GA22-7504-18	GA22-7504-21	GA22-7504-23	GA22-7504-25
z/OS Planning for Multilevel Security and the Common Criteria	GA22-7509-09	GA22-7509-09	GA22-7509-09	GA22-7509-11
z/OS Planning for Sub-Capacity Pricing	SA22-7999-04	SA22-7999-05	SA22-7999-06	SA22-7999-07
System z Platform Test Report for z/OS and Linux Virtual Servers	SA22-7997-05	SA22-7997-09	SA22-7997-09	SA22-7997-10
z/OS Program Directory	GI10-0670-10	GI10-0670-11	GI10-0670-12	GI10-0670-13

Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS Summary of Message and Interface Changes	SA22-7505-12	SA22-7505-15	SA22-7505-16	SA22-7505-17
Using the Sub-Capacity Reporting Tool Web	SG24-6522-20	SG24-6522-23	SG24-6522-24	SG24-6522-24
z/OS DOC APAR and PTF ++HOLD Documentation, Volumes 1 and 2 , Vols. 1 & 2 Web	GA22-7820-10	GA22-7820-11	GA22-7820-12	GA22-7820-13
ServerPac: Using the Installation Dialog	SA22-7815-15	SA22-7815-16	SA22-7815-17	SA22-7815-18
IBM Health Checker for z/OS: User's Guide	SA22-7994-06	SA22-7994-09	SA22-7994-10	SA22-7994-12
z/OS Problem Management	G325-2564-02	G325-2564-03	G325-2564-07	G325-2564-08
Network Job Entry (NJE) Formats and Protocols	SA22-7539-02	SA22-7539-02	SA22-7539-02	SA22-7539-03
Bulk Data Transfer (BDT)				
z/OS BDT Commands	SA22-7512-02	SA22-7512-02	SA22-7512-02	SA22-7512-02
z/OS BDT Diagnosis Reference	GA22-7514-01	GA22-7514-01	GA22-7514-01	GA22-7514-01
z/OS BDT Installation	GA22-7511-01	GA22-7511-01	GA22-7511-01	GA22-7511-01
z/OS BDT Messages and Codes	SA22-7513-04	SA22-7513-04	SA22-7513-04	SA22-7513-04
BDT File-to-File				
z/OS BDT File-to-File Transaction Guide	SA22-7515-01	SA22-7515-01	SA22-7515-01	SA22-7515-01
BookManager				
IBM BookManager BUILD/MVS: Installation Planning and Customization HC	SC38-2037-00	SC38-2037-00	SC38-2037-00	SC38-2037-00
IBM BookManager READ/MVS and BUILD/MVS: General Information HC	GC38-2032-00	GC38-2032-00	GC38-2032-00	GC38-2032-00
IBM BookManager READ/MVS: Displaying Online Books	SC38-2034-00	SC38-2034-00	SC38-2034-00	SC38-2034-00
IBM BookManager READ/MVS: Getting Started	SC38-2033-00	SC38-2033-00	SC38-2033-00	SC38-2033-00
IBM BookManager READ/MVS: Installation Planning and Customization HC	SC38-2035-00	SC38-2035-00	SC38-2035-00	SC38-2035-00
Common Information Model (CIM)				
z/OS Common Information Model User's Guide	SC33-7998-03	SC33-7998-06	SC33-7998-07	SC33-7998-08
Communications Server				
z/OS Communications Server: ACF/TAP Trace Analysis Handbook	GC23-8588-00-00	GC23-8588-00-00	GC23-8588-00-00	GC23-8588-00-00
z/OS Communications Server: CMIP Services and Topology Agent Guide	SC31-8828-03	SC31-8828-04	SC31-8828-04	SC31-8828-04

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS Communications Server: CSM Guide	SC31-8808-01	SC31-8808-02	SC31-8808-02	SC31-8808-03
z/OS Communications Server: IP and SNA Codes	SC31-8791-08	SC31-8791-09	SC31-8791-10	SC31-8791-11
z/OS Communications Server: IP Sockets Application Programming Interface Guide and Reference	SC31-8788-07	SC31-8788-08	SC31-8788-09	SC31-8788-09
z/OS Communications Server: IP CICS Sockets Guide	SC31-8807-05	SC31-8807-06	SC31-8807-07	SC31-8807-07
z/OS Communications Server: IP Configuration Guide	SC31-8775-12	SC31-8775-15	SC31-8775-17	SC31-8775-19
z/OS Communications Server: IP Configuration Reference	SC31-8776-13	SC31-8776-16	SC31-8776-18	SC31-8776-20
z/OS Communications Server: IP Diagnosis Guide	GC31-8782-09	GC31-8782-10	GC31-8782-11	GC31-8782-12
z/OS Communications Server: IP IMS Sockets Guide	SC31-8830-03	SC31-8830-05	SC31-8830-06	SC31-8830-06
z/OS Communications Server: IP Messages Volume 1 (EZA)	SC31-8783-09	SC31-8783-10	SC31-8783-11	SC31-8783-13
z/OS Communications Server: IP Messages Volume 2 (EZB, EZD)	SC31-8784-08	SC31-8784-09	SC31-8784-11	SC31-8784-12
z/OS Communications Server: IP Messages Volume 3 (EZY)	SC31-8785-08	SC31-8785-09	SC31-8785-10	SC31-8785-11
z/OS Communications Server: IP Messages Volume 4 (EZZ, SNM)	SC31-8786-10	SC31-8786-11	SC31-8786-13	SC31-8786-14
z/OS Communications Server: New Function Summary	GC31-8771-04	GC31-8771-05	GC31-8771-06	GC31-8771-07
z/OS Communications Server: IPv6 Network and Application Design Guide	SC31-8885-06	SC31-8885-07	SC31-8885-08	SC31-8885-09
z/OS Communications Server: IP Network Print Facility	SC31-8833-00	SC31-8833-01	SC31-8833-01	SC31-8833-01
z/OS Communications Server: IP Programmer's Guide and Reference	SC31-8787-10	SC31-8787-11	SC31-8787-12	SC31-8787-13
z/OS Communications Server: IP System Administrator's Commands	SC31-8781-08	SC31-8781-09	SC31-8781-10	SC31-8781-11
z/OS Communications Server: IP User's Guide and Commands	SC31-8780-08	SC31-8780-09	SC31-8780-09	SC31-8780-10
z/OS Communications Server: Quick Reference	SX75-0124-08	SX75-0124-09	SX75-0124-10	SX75-0124-11
z/OS Communications Server: SNA Customization	SC31-6854-02	SC31-6854-03	SC31-6854-03	SC31-6854-03
z/OS Communications Server: SNA Data Areas Volume 1	GC31-6852-03	GC31-6852-03	GC31-6852-03	GC31-6852-03
z/OS Communications Server: SNA Data Areas Volume 2	GC31-6853-03	GC31-6853-03	GC31-6853-03	GC31-6853-03

Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS Communications Server: SNA Diagnosis Vol 1, Techniques and Procedures	GC31-6850-03	GC31-6850-04	GC31-6850-05	GC31-6850-06
z/OS Communications Server: SNA Diagnosis Vol 2, FFST Dumps and the VIT	GC31-6851-03	GC31-6851-04	GC31-6851-05	GC31-6851-06
z/OS Communications Server: SNA Messages	SC31-8790-08	SC31-8790-09	SC31-8790-10	SC31-8790-11
z/OS Communications Server: SNA Network Implementation Guide	SC31-8777-08	SC31-8777-09	SC31-8777-10	SC31-8777-11
z/OS Communications Server: SNA Operation	SC31-8779-08	SC31-8779-09	SC31-8779-10	SC31-8779-11
z/OS Communications Server: SNA Programmer's LU 6.2 Reference	SC31-8810-00	SC31-8810-01	SC31-8810-01	SC31-8810-01
z/OS Communications Server: SNA Programmer's LU 6.2 Guide	SC31-8811-00	SC31-8811-01	SC31-8811-01	SC31-8811-01
z/OS Communications Server: SNA Programming	SC31-8829-01	SC31-8829-02	SC31-8829-03	SC31-8829-03
z/OS Communications Server: SNA Resource Definition Reference	SC31-8778-09	SC31-8778-10	SC31-8778-11	SC31-8778-14
z/OS Communications Server: SNA Resource Definition Samples	SC31-8836-03	SC31-8836-05	SC31-8836-05	SC31-8836-05
Cryptographic Services				
z/OS Cryptographic Services Integrated Cryptographic Service Facility Administrator's Guide	SA22-7521-13	SA22-7521-13	SA22-7521-14	SA22-7521-15
z/OS Cryptographic Services Integrated Cryptographic Service Facility Application Programmer's Guide	SA22-7522-11	SA22-7522-12	SA22-7522-13	SA22-7522-14
z/OS Cryptographic Services Integrated Cryptographic Service Facility Messages	SA22-7523-10	SA22-7523-12	SA22-7523-13	SA22-7523-14
z/OS Cryptographic Services Integrated Cryptographic Service Facility Overview	SA22-7519-11	SA22-7519-12	SA22-7519-13	SA22-7519-14
z/OS Cryptographic Services Integrated Cryptographic Service Facility System Programmer's Guide	SA22-7520-12	SA22-7520-13	SA22-7520-14	SA22-7520-15
z/OS Cryptographic Services ICSF Trusted Key Entry Workstation User's Guide	SA23-2211-02	SA23-2211-04	SA23-2211-05	SA23-2211-06
z/OS Cryptographic Services Integrated Cryptographic Service Facility Writing PKCS #11 Applications	SA23-2231-00	SA23-2231-01	SA23-2231-02	SA23-2231-03

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS Cryptographic Services System SSL Programming	SC24-5901-07	SC24-5901-08	SC24-5901-09	SC24-5901-10
z/OS Cryptographic Services PKI Services Guide and Reference	SA22-7693-10	SA22-7693-11	SA22-7693-12	SA22-7693-13
DCE Base Services				
z/OS DCE Administration Guide; HC	SC24-5904-00	SC24-5904-00	SC24-5904-00	--
z/OS DCE Application Development Guide: Core Components; HC	SC24-5905-00	SC24-5905-00	SC24-5905-00	--
z/OS DCE Application Development Guide: Directory Services HC	SC24-5906-00	SC24-5906-00	SC24-5906-00	--
z/OS DCE Application Development Guide: Introduction and Style HC	SC24-5907-00	SC24-5907-00	SC24-5907-00	--
z/OS DCE Application Development Reference HC	SC24-5908-00	SC24-5908-00	SC24-5908-00	--
z/OS DCE Command Reference HC	SC24-5909-00	SC24-5909-00	SC24-5909-00	--
z/OS DCE Configuring and Getting Started HC	SC24-5910-00	SC24-5910-00	SC24-5910-00	--
z/OS DCE Introduction	SC24-5911-00	SC24-5911-00	SC24-5911-00	--
z/OS DCE Messages and Codes HC	SC24-5912-00	SC24-5912-00	SC24-5912-00	--
z/OS DCE Planning HC	SC24-5913-00	SC24-5913-00	SC24-5913-00	--
z/OS DCE User's Guide HC	SC24-5914-00	SC24-5914-00	SC24-5914-00	--
Data Facility Storage Management Subsystem (DFSMS)				
z/OS DFSMS Access Method Services for Catalogs	SC26-7394-07	SC26-7394-09	SC26-7394-11	SC26-7394-12
z/OS DFSMS Advanced Copy Services	SC35-0428-12	SC35-0428-15	SC35-0428-18	SC35-0428-19
z/OS DFSMSdfp Checkpoint/Restart	SC26-7401-02	SC26-7401-02	SC26-7401-03	SC26-7401-03
z/OS DFSMS Distributed FileManager Guide and Reference	SC26-7395-01	SC26-7395-01	SC26-7395-01	SC26-7395-01
z/OS DFSMS Implementing System-Managed Storage	SC26-7407-05	SC26-7407-06	SC26-7407-07	SC26-7407-07
z/OS DFSMS Installation Exits	SC26-7396-09	SC26-7396-12	SC26-7396-13	SC26-7396-14
z/OS DFSMS Introduction	SC26-7397-02	SC26-7397-03	SC26-7397-03	SC26-7397-04
z/OS DFSMS Macro Instructions for Data Sets	SC26-7408-06	SC26-7408-08	SC26-7408-09	SC26-7408-10
z/OS DFSMS Managing Catalogs	SC26-7409-06	SC26-7409-07	SC26-7409-09	SC26-7409-10

Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS DFSMS Software Support for IBM System Storage TS1140, TS1130, and TS1120 Tape Drives (3592)	SC26-7514-04	SC26-7514-04	SC26-7514-04	SC26-7514-05
z/OS DFSMS Software Support for IBM TotalStorage Tape System 3590 Models E1x/H1x	SC35-0484-00	SC35-0484-00	SC35-0484-00	SC35-0484-00
z/OS DFSMS Using Data Sets	SC26-7410-08	SC26-7410-09	SC26-7410-10	SC26-7410-11
z/OS DFSMS Using the Interactive Storage Management Facility	SC26-7411-05	SC26-7411-06	SC26-7411-07	SC26-7411-08
z/OS DFSMS Using Magnetic Tapes	SC26-7412-01	SC26-7412-02	SC26-7412-03	SC26-7412-03
z/OS DFSMS Using the Volume Mount Analyzer	SC26-7413-02	SC26-7413-02	SC26-7413-02	SC26-7413-02
z/OS DFSMSdfp Storage Administration	SC26-7402-09	SC26-7402-10	SC26-7402-14	SC26-7402-15
z/OS DFSMS Using the New Functions	SC26-7473-05	SC26-7473-06	SC26-7473-07	SC26-7473-08
DFSMSdfp				
z/OS DFSMSdfp Advanced Services	SC26-7400-08	SC26-7400-09	SC26-7400-11	SC26-7400-12
z/OS DFSMSdfp Diagnosis	GY27-7618-09	GY27-7618-11	GY27-7618-13	GY27-7618-14
z/OS DFSMS Object Access Method Application Programmer's Reference	SC35-0425-05	SC35-0425-07	SC35-0425-08	SC35-0425-09
z/OS DFSMS Object Access Method Planning, Installation, and Storage Administration Guide for Object Support	SC35-0426-06	SC35-0426-07	SC35-0426-10	SC35-0426-11
z/OS DFSMS Object Access Method Planning, Installation, and Storage Administration Guide for Tape Libraries	SC35-0427-05	SC35-0427-08	SC35-0427-10	SC35-0427-10
z/OS DFSMSdfp Utilities	SC26-7414-04	SC26-7414-06	SC26-7414-07	SC26-7414-08
DFSMSdss				
z/OS DFSMSdss Storage Administration	SC35-0423-09	SC35-0423-10	SC35-0423-14	SC35-0423-15
DFSMShsm				
z/OS DFSMShsm Diagnosis	GC52-1083-04	GC52-1083-05	GC52-1083-06	GC52-1083-07
z/OS DFSMShsm Implementation and Customization Guide	SC35-0418-07	SC35-0418-09	SC35-0418-10	SC35-0418-12
z/OS DFSMShsm Managing Your Own Data	SC35-0420-07	SC35-0420-08	SC35-0420-09	SC35-0420-10
z/OS DFSMShsm Storage Administration	SC35-0421-07	SC35-0421-09	SC35-0421-10	SC35-0421-12
DFSMSrmm				

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS DFSMSrmm Application Programming Interface	SC26-7403-08	SC26-7403-09	SC26-7403-10	SC26-7403-11
z/OS DFSMSrmm Diagnosis Guide	GY27-7619-08	GY27-7619-09	GY27-7619-10	GY27-7619-11
z/OS DFSMSrmm Managing and Using Removable Media	SC26-7404-08	SC26-7404-09	SC26-7404-11	SC26-7404-12
z/OS DFSMSrmm Implementation and Customization Guide	SC26-7405-08	SC26-7405-09	SC26-7405-10	SC26-7405-12
z/OS DFSMSrmm Reporting	SC26-7406-08	SC26-7406-09	SC26-7406-10	SC26-7406-11
DFSMSStvs				
z/OS DFSMSStvs Administration Guide	GC26-7483-00	GC26-7483-00	GC26-7483-00	GC26-7483-00
z/OS DFSMSStvs Planning and Operating Guide	SC26-7348-00	SC26-7348-00	SC26-7348-00	SC26-7348-00
Data Facility Sort (DFSORT)				
z/OS DFSORT Application Programming Guide	SC26-7523-03	SC26-7523-04	SC26-7523-05	SC26-7523-06
z/OS DFSORT: Getting Started	SC26-7527-03	SC26-7527-04	SC26-7527-05	SC26-7527-06
z/OS DFSORT Installation and Customization	SC26-7524-01	SC26-7524-02	SC26-7524-03	SC26-7524-03
z/OS DFSORT Messages, Codes and Diagnosis Guide	SC26-7525-03	SC26-7525-04	SC26-7525-05	SC26-7525-06
z/OS DFSORT Tuning Guide	SC26-7526-01	SC26-7526-01	SC26-7526-02	SC26-7526-02
Distributed File Service (DFS)				
z/OS Distributed File Service Customization HC	SC24-5916-00	SC24-5916-00	SC24-5916-00	--
z/OS Distributed File Service Administration	SC24-5915-01	SC24-5915-01	SC24-5915-01	--
z/OS Distributed File Service Messages and Codes	SC24-5917-11	SC24-5917-12	SC24-5917-14	SC24-5917-15
z/OS Distributed File Service SMB Administration	SC24-5918-08	SC24-5918-09	SC24-5918-10	SC24-5918-11
z/OS Distributed File Service zSeries File System Administration	SC24-5989-09	SC24-5989-10	SC24-5989-12	SC24-5989-12
Environmental Record Editing and Printing Program (EREP)				
Environmental Record Editing and Printing Program Reference	GC35-0152-03	GC35-0152-04	GC35-0152-04	GC35-0152-05
Environmental Record Editing and Printing Program User's Guide HC	GC35-0151-02	GC35-0151-02	GC35-0151-02	GC35-0151-02
First Failure Support Technology (FFST)				
FFST/MVS FFST/VM Operations Guide	SC31-8604-01	SC31-8604-01	SC31-8604-01	SC31-8604-01
Graphical Data Display Manager (GDDM)				

Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
GDDM Base Application Programming Guide HC	SC33-0867-01	SC33-0867-01	SC33-0867-01	SC33-0867-01
GDDM Base Application Programming Reference	SC33-0868-02	SC33-0868-02	SC33-0868-02	SC33-0868-02
GDDM Diagnosis HC	SC33-0870-01	SC33-0870-01	SC33-0870-01	SC33-0870-01
GDDM General Information	GC33-0866-03	GC33-0866-03	GC33-0866-03	GC33-0866-03
GDDM-GKS Programming Guide and Reference	SC33-0334-00	SC33-0334-00	SC33-0334-00	SC33-0334-00
GDDM Image View Utility HC	SC33-0479-02	SC33-0479-02	SC33-0479-02	SC33-0479-02
GDDM Messages HC	SC33-0869-01	SC33-0869-01	SC33-0869-01	SC33-0869-01
GDDM/MVS Program Directory HC	GC33-1801-01	GC33-1801-01	GC33-1801-01	GC33-1801-01
GDDM System Customization and Administration	SC33-0871-02	SC33-0871-02	SC33-0871-02	SC33-0871-02
GDDM User's Guide HC	SC33-0875-01	SC33-0875-01	SC33-0875-01	SC33-0875-01
GDDM Using the Image Symbol Editor HC	SC33-0920-01	SC33-0920-01	SC33-0920-01	SC33-0920-01
GDDM-PGF				
GDDM-PGF Application Programming Guide HC	SC33-0913-01	SC33-0913-01	SC33-0913-01	SC33-0913-01
GDDM-PGF Interactive Chart Utility HC	SC33-0328-01	SC33-0328-01	SC33-0328-01	SC33-0328-01
GDDM-PGF OPS User's Guide HC	SC33-1776-00	SC33-1776-00	SC33-1776-00	SC33-1776-00
GDDM-PGF Programming Reference HC	SC33-0333-01	SC33-0333-01	SC33-0333-01	SC33-0333-01
GDDM-PGF Vector Symbol Editor HC	SC33-0330-01	SC33-0330-01	SC33-0330-01	SC33-0330-01
Hardware Configuration Definition (HCD)				
z/OS and z/VM HCD Messages	SC33-7986-09	SC33-7986-10	SC33-7986-11	SC33-7986-12
z/OS Hardware Configuration Definition Planning	GA22-7525-13	GA22-7525-13	GA22-7525-14	GA22-7525-15
z/OS HCD Reference Summary HC	SX33-9032-04	SX33-9032-04	SX33-9032-05	SX33-9032-06
z/OS HCD Scenarios	SC33-7987-00	SC33-7987-00	SC33-7987-00	SC33-7987-00
z/OS HCD User's Guide	SC33-7988-07	SC33-7988-08	SC33-7988-09	SC33-7988-10
Hardware Configuration Manager (HCM)				
z/OS and z/VM HCM User's Guide	SC33-7989-09	SC33-7989-10	SC33-7989-11	SC33-7989-12
High Level Assembler (HLASM)				
High Level Assembler for z/OS & z/VM & z/VSE General Information	GC26-4943-05	GC26-4943-05	GC26-4943-05	GC26-4943-05

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
High Level Assembler for z/OS & z/VM & z/VSE Installation and Customization Guide	SC26-3494-04	SC26-3494-04	SC26-3494-04	SC26-3494-04
High Level Assembler for z/OS & z/VM & z/VSE Language Reference	SC26-4940-05	SC26-4940-05	SC26-4940-05	SC26-4940-05
HLASM Programmer's Guide	SC26-4941-05	SC26-4941-05	SC26-4941-05	SC26-4941-05
High Level Assembler Toolkit				
HLASM Toolkit Feature Debug Reference Summary HC	GC26-8712-05	GC26-8712-05	GC26-8712-05	GC26-8712-05
High Level Assembler for z/OS & z/VM & z/VSE Toolkit Feature Installation and Customization Guide HC	GC26-8711-08	GC26-8711-08	GC26-8711-08	GC26-8711-08
High Level Assembler for z/OS & z/VM & z/VSE Toolkit Feature Interactive Debug Facility User's Guide HC	GC26-8709-06	GC26-8709-06	GC26-8709-06	GC26-8709-06
High Level Assembler for z/OS & z/VM & z/VSE Toolkit Feature User's Guide HC	GC26-8710-09	GC26-8710-09	GC26-8710-09	GC26-8710-09
IBM Hypertext Transfer Protocol (HTTP) Server				
z/OS HTTP Server Planning, Installing, and Using	SC34-4826-09	SC34-4826-09	SC34-4826-09	SC34-4826-09
IBM Device Support Facilities (ICKDSF)				
Device Support Facilities (ICKDSF) User's Guide and Reference	GC35-0033-34	GC35-0033-35	GC35-0033-36	GC35-0033-38
IBM Encryption Facility				
IBM Encryption Facility for z/OS: User's Guide	SA23-1349-01	SA23-1349-01	SA23-1349-01	SA23-1349-01
IBM Encryption Facility for z/OS: Planning and Customizing	SA23-2229-00	SA23-2229-01	SA23-2229-01	SA23-2229-01
IBM Encryption Facility for z/OS: Using Encryption Facility for OpenPGP	SA23-2230-01	SA23-2230-03	SA23-2230-03	SA23-2230-03
IBM z/OS Management Facility				
IBM z/OS Management Facility Configuration Guide	--	SA38-0652--02	SA38-0652--03	SA38-0652-05
IBM WebSphere Application Server OEM Edition for z/OS Configuration Guide:	--	GA32-0631--01	GA32-0631--02	GA32-0631-04
IBM Tivoli Directory Server				
IBM Tivoli Directory Server Client Programming for z/OS	SA23-2214-02	SA23-2214-03	SA23-2214-04	SA23-2214-05
IBM Tivoli Directory Server Administration and Use for z/OS	SC23-5191-02	SC23-5191-03	SC23-5191-05	SC23-5191-06

Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
IBM Tivoli Directory Server Plug-in Reference for z/OS	SA76-0148-00	SA76-0148-00	SA76-0148-00	SA76-0148-00
Infoprint Server				
z/OS Infoprint Server Printer Inventory for PSF	S510-7703-00	S510-7703-00	S510-7703-00	S510-7703-00
z/OS Infoprint Server Customization	S544-5744-10	S544-5744-10	S544-5744-11	S544-5744-12
z/OS Infoprint Server Introduction	S544-5742-09	S544-5742-09	S544-5742-10	S544-5742-11
z/OS Infoprint Server Messages and Diagnosis	G544-5747-09	G544-5747-09	G544-5747-10	G544-5747-11
z/OS Infoprint Server Operation and Administration	S544-5745-10	S544-5745-10	S544-5745-11	S544-5745-12
z/OS Infoprint Server User's Guide	S544-5746-09	S544-5746-09	S544-5746-10	S544-5746-11
IBM Infoprint Transforms to AFP for z/OS	G550-0443-02	G550-0443-02	G550-0443-03	G550-0443-04
IBM Infoprint Transforms from AFP for z/OS	G550-0444-02	G550-0444-02	G550-0444-02	G550-0444-03
Integrated Security Services				
z/OS Integrated Security Services EIM Guide and Reference	SA22-7875-07	SA22-7875-08	SA22-7875-08	SA22-7875-09
z/OS Integrated Security Services Network Authentication Service Programming	SC24-5927-07	SC24-5927-06	SC24-5927-07	SC24-5927-08
z/OS Integrated Security Services Network Authentication Service Administration	SC24-5926-07	SC24-5926-08	SC24-5926-09	SC24-5926-10
z/OS Open Cryptographic Services Facility Application Programming	SC24-5899-01	SC24-5899-01	SC24-5899-01	SC24-5899-01
z/OS Open Cryptographic Services Facility Service Provider Module Developer's Guide and Reference	SC24-5900-00	SC24-5900-00	SC24-5900-00	SC24-5900-00
z/OS Integrated Security Services Open Cryptographic Enhanced Plug-ins Application Programming HC	SC24-5925-01	SC24-5925-01	SC24-5925-01	SC24-5925-01
Interactive System Productivity Facility (ISPF)				
z/OS V1R13.0 ISPF Dialog Developer's Guide and Reference	SC34-4821-07	SC34-4821-08	SC34-4821-08	SC34-4821-09
z/OS V1R13.0 Dialog Tag Language Guide and Reference	SC34-4824-07	SC34-4824-08	SC34-4824-08	SC34-4824-09
z/OS V1R13.0 ISPF Edit and Edit Macros	SC34-4820-07	SC34-4820-09	SC34-4820-09	SC34-4820-10
z/OS V1R13.0 ISPF Messages and Codes	SC34-4815-07	SC34-4815-09	SC34-4815-09	SC34-4815-10

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS V1R13.0 ISPF Planning and Customizing	GC34-4814-07	GC34-4814-08	GC34-4814-08	GC34-4814-09
z/OS V1R13.0 ISPF Reference Summary	SC34-4816-07	SC34-4816-09	SC34-4816-09	SC34-4816-10
z/OS V1R13.0 ISPF Services Guide	SC34-4819-07	SC34-4819-09	SC34-4819-09	SC34-4819-10
z/OS V1R13.0 ISPF SCLM Guide and Reference	SC34-4817-07	SC34-4817-10	SC34-4817-10	SC34-4817-11
z/OS V1R13.0 ISPF User's Guide Volume I	SC34-4822-07	SC34-4822-09	SC34-4822-09	SC34-4822-10
z/OS V1R13.0 ISPF User's Guide Volume II	SC34-4823-07	SC34-4823-09	SC34-4823-09	SC34-4823-10
Job Entry Subsystem (JES) common				
z/OS JES Application Programming	SA23-2240-00	SA23-2240-01	SA23-2240-02	SA23-2240-03
Job Entry Subsystem 2 (JES2)				
z/OS JES2 Commands	SA22-7526-09	SA22-7526-10	SA22-7526-11	SA22-7526-12
z/OS JES2 Diagnosis	GA22-7531-08	GA22-7531-09	GA22-7531-10	GA22-7531-10
z/OS JES2 Initialization and Tuning Guide	SA22-7532-08	SA22-7532-09	SA22-7532-10	SA22-7532-11
z/OS JES2 Initialization and Tuning Reference	SA22-7533-08	SA22-7533-09	SA22-7533-10	SA22-7533-11
z/OS JES2 Installation Exits	SA22-7534-10	SA22-7534-11	SA22-7534-12	SA22-7534-13
z/OS JES2 Introduction	SA22-7535-06	SA22-7535-06	SA22-7535-06	SA22-7535-07
z/OS JES2 Macros	SA22-7536-08	SA22-7536-09	SA22-7536-10	SA22-7536-11
z/OS JES2 Messages	SA22-7537-08	SA22-7537-09	SA22-7537-10	SA22-7537-11
Job Entry Subsystem 3 (JES3)				
z/OS JES3 Commands	SA22-7540-08	SA22-7540-09	SA22-7540-10	SA22-7540-11
z/OS JES3 Customization	SA22-7542-07	SA22-7542-08	SA22-7542-09	SA22-7542-10
z/OS JES3 Diagnosis	GA22-7547-07	GA22-7547-08	GA22-7547-09	GA22-7547-10
z/OS JES3 Diagnosis Reference	GA22-7548-07	GA22-7548-08	GA22-7548-09	GA22-7548-10
z/OS JES3 Initialization and Tuning Guide	SA22-7549-07	SA22-7549-08	SA22-7549-09	SA22-7549-10
z/OS JES3 Initialization and Tuning Reference	SA22-7550-07	SA22-7550-08	SA22-7550-09	SA22-7550-10
z/OS JES3 Introduction	SA22-7551-06	SA22-7551-06	SA22-7551-06	SA22-7551-07
z/OS JES3 Messages	SA22-7552-08	SA22-7552-09	SA22-7552-10	SA22-7552-11
Language Environment				
z/OS Language Environment Concepts Guide	SA22-7567-09	SA22-7567-10	SA22-7567-11	SA22-7567-12
z/OS Language Environment Customization	SA22-7564-10	SA22-7564-11	SA22-7564-12	SA22-7564-13
z/OS Language Environment Debugging Guide	GA22-7560-09	GA22-7560-10	GA22-7560-11	GA22-7560-12

Order Numbers by Release

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS Language Environment Programming Guide	SA22-7561-09	SA22-7561-10	SA22-7561-11	SA22-7561-12
z/OS Language Environment Programming Guide for 64-bit Virtual Addressing Mode	SA22-7569-02	SA22-7569-04	SA22-7569-05	SA22-7569-06
z/OS Language Environment Programming Reference	SA22-7562-10	SA22-7562-11	SA22-7562-12	SA22-7562-13
z/OS Language Environment Run-Time Messages	SA22-7566-09	SA22-7566-10	SA22-7566-11	SA22-7566-12
Enterprise COBOL for z/OS, V4R2, Compiler and Runtime Migration Guide	GC23-8527-00	GC23-8527-00	GC23-8527-00	GC23-8527-01
z/OS Language Environment Run-Time Application Migration Guide	GA22-7565-09	GA22-7565-10	GA22-7565-11	GA22-7565-12
z/OS Language Environment Writing Interlanguage Communication Applications	SA22-7563-06	SA22-7563-07	SA22-7563-08	SA22-7563-08
z/OS Language Environment Vendor Interfaces	SA22-7568-09	SA22-7568-10	SA22-7568-11	SA22-7568-12
Library Server				
z/OS IBM BookManager BookServer for World Wide Web: Getting Started	SC31-8814-05	SC31-8814-02	SC31-8814-02	SC31-8814-02
Library Server: Getting Started	SC31-6376-05	SC31-6376-07	SC31-6376-07	SC31-6376-07
Managed System Infrastructure for Setup				
z/OS Managed System Infrastructure for Setup Installation	SC33-7997-01	SC33-7997-01	SC33-7997-01	--
z/OS Managed System Infrastructure for Setup Messages	SC33-7996-01	SC33-7996-01	SC33-7996-01	--
z/OS Managed System Infrastructure for Setup User's Guide	SC33-7985-03	SC33-7985-03	SC33-7985-03	--
METAL C Runtime				
z/OS Metal C Programming Guide and Reference	SA23-2225-01	SA23-2225-02	SA23-2225-03	SA23-2225-04
MVS (Base Control Program)				
z/OS Batch Runtime Planning and User's Guide	--	--	--	SA23-2270-00
MVS Capacity Provisioning User's Guide	SC33-8299-00	SC33-8299-00	SC33-8299-00	SC33-8299-00
z/OS MVS Device Validation Support	SA22-7586-01	SA22-7586-01	SA22-7586-01	SA22-7586-01
z/OS MVS Diagnosis: Reference	GA22-7588-09	GA22-7588-13	GA22-7588-15	GA22-7588-16
z/OS MVS Diagnosis: Tools and Service Aids	GA22-7589-12	GA22-7589-15	GA22-7589-16	GA22-7589-17

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS MVS Dump Output Messages	SA22-7590-06	SA22-7590-07	SA22-7590-08	SA22-7590-09
z/OS MVS Initialization and Tuning Guide	SA22-7591-05	SA22-7591-07	SA22-7591-08	SA22-7591-09
z/OS MVS Initialization and Tuning Reference	SA22-7592-16	SA22-7592-19	SA22-7592-21	SA22-7592-22
z/OS MVS Installation Exits	SA22-7593-13	SA22-7593-15	SA22-7593-16	SA22-7593-17
z/OS MVS Interactive Problem Control System (IPCS) Commands	SA22-7594-09	SA22-7594-10	SA22-7594-11	SA22-7594-12
z/OS MVS Interactive Problem Control System (IPCS) Customization	SA22-7595-06	SA22-7595-06	SA22-7595-07	SA22-7595-08
z/OS MVS Interactive Problem Control System (IPCS) User's Guide HC	SA22-7596-05	SA22-7596-06	SA22-7596-07	SA22-7596-08
z/OS MVS JCL Reference	SA22-7597-12	SA22-7597-13	SA22-7597-14	SA22-7597-15
z/OS MVS JCL User's Guide	SA22-7598-04	SA22-7598-05	SA22-7598-06	SA22-7598-07
z/OS MVS Planning: APPC/MVS Management	SA22-7599-04	SA22-7599-04	SA22-7599-05	SA22-7599-06
z/OS MVS Planning: Global Resource Serialization HC	SA22-7600-07	SA22-7600-09	SA22-7600-10	SA22-7600-11
z/OS MVS Planning: Operations HC	SA22-7601-09	SA22-7601-11	SA22-7601-12	SA22-7601-13
z/OS MVS Planning: Workload Management	SA22-7602-14	SA22-7602-18	SA22-7602-19	SA22-7602-20
z/OS MVS Product Management	SA22-7603-03	SA22-7603-05	SA22-7603-05	SA22-7603-06
z/OS MVS Program Management: Advanced Facilities	SA22-7644-08	SA22-7644-11	SA22-7644-12	SA22-7644-13
z/OS MVS Program Management: User's Guide and Reference	SA22-7643-07	SA22-7643-09	SA22-7643-10	SA22-7643-11
z/OS MVS Programming: Assembler Services Guide	SA22-7605-09	SA22-7605-11	SA22-7605-12	SA22-7605-14
z/OS MVS Programming: Assembler Services Reference, Volume 1 (ABEND-HSPSERV)	SA22-7606-09	SA22-7606-10	SA22-7606-11	SA22-7606-12
z/OS MVS Programming: Assembler Services Reference, Volume 2 (IARCP64-XCTLX)	SA22-7607-13	SA22-7607-15	SA22-7607-16	SA22-7607-17
z/OS MVS Programming: Authorized Assembler Services Guide	SA22-7608-12	SA22-7608-14	SA22-7608-15	SA22-7608-16
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 1 (ALESERV-DYNALLO)	SA22-7609-09	SA22-7609-10	SA22-7609-11	SA22-7609-12

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z/OS MVS Programming: Authorized Assembler Services Reference, Volume 2 (EDTINFO-IXGWRITE)	SA22-7610-14	SA22-7610-17	SA22-7610-18	SA22-7610-19
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 3 (LLACOPY-SDUMPX)	SA22-7611-10	SA22-7611-11	SA22-7611-12	SA22-7611-13
z/OS MVS Programming: Authorized Assembler Services Reference, Volume 4 (SETFRR-WTOR)	SA22-7612-10	SA22-7612-11	SA22-7612-12	SA22-7612-13
z/OS MVS Programming: Callable Services for High-Level Languages	SA22-7613-04	SA22-7613-05	SA22-7613-07	SA22-7613-09
z/OS MVS Programming: Extended Addressability Guide HC	SA22-7614-06	SA22-7614-07	SA22-7614-07	SA22-7614-08
z/OS MVS Programming: JES Common Coupling Services	SA22-7615-01	SA22-7615-01	SA22-7615-01	SA22-7615-01
z/OS MVS Programming: Product Registration	SA22-7604-01	SA22-7604-01	SA22-7604-01	SA22-7604-01
z/OS MVS Programming: Resource Recovery	SA22-7616-08	SA22-7616-09	SA22-7616-10	SA22-7616-11
z/OS MVS Programming: Sysplex Services Guide	SA22-7617-10	SA22-7617-13	SA22-7617-14	SA22-7617-15
z/OS MVS Programming: Sysplex Services Reference	SA22-7618-10	SA22-7618-12	SA22-7618-13	SA22-7618-14
z/OS MVS Programming: Workload Management Services	SA22-7619-15	SA22-7619-19	SA22-7619-20	SA22-7619-21
z/OS MVS Programming: Writing Servers for APPC/MVS HC	SA22-7620-00	SA22-7620-00	SA22-7620-00	SA22-7620-00
z/OS MVS Programming: Writing Transaction Programs for APPC/MVS	SA22-7621-03	SA22-7621-03	SA22-7621-03	SA22-7621-03
z/OS MVS Programming: Writing Transaction Schedulers for APPC/MVS HC	SA22-7622-00	SA22-7622-00	SA22-7622-00	SA22-7622-00
z/OS MVS Setting Up a Sysplex	SA22-7625-15	SA22-7625-18	SA22-7625-19	SA22-7625-20
z/OS MVS System Codes	SA22-7626-16	SA22-7626-20	SA22-7626-22	SA22-7626-23
z/OS MVS System Commands	SA22-7627-17	SA22-7627-21	SA22-7627-23	SA22-7627-26
z/OS MVS System Management Facilities (SMF)	SA22-7630-16	SA22-7630-20	SA22-7630-22	SA22-7630-23
z/OS MVS System Messages, Volume 1 (ABA-AOM)	SA22-7631-16	SA22-7631-19	SA22-7631-21	SA22-7631-23
z/OS MVS System Messages, Volume 2 (ARC-ASA)	SA22-7632-15	SA22-7632-18	SA22-7632-20	SA22-7632-21

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS MVS System Messages, Volume 3 (ASB-BPX)	SA22-7633-14	SA22-7633-17	SA22-7633-19	SA22-7633-21
z/OS MVS System Messages, Volume 4 (CBD-DMO)	SA22-7634-15	SA22-7634-18	SA22-7634-20	SA22-7634-21
z/OS MVS System Messages, Volume 5 (EDG-GFS)	SA22-7635-14	SA22-7635-17	SA22-7635-19	SA22-7635-21
z/OS MVS System Messages, Volume 6 (GOS-IEA)	SA22-7636-14	SA22-7636-19	SA22-7636-21	SA22-7636-22
z/OS MVS System Messages, Volume 7 (IEB-IEE)	SA22-7637-15	SA22-7637-18	SA22-7637-20	SA22-7637-21
z/OS MVS System Messages, Volume 8 (IEF-IGD)	SA22-7638-14	SA22-7638-17	SA22-7638-19	SA22-7638-20
z/OS MVS System Messages, Volume 9 (IGF-IWM)	SA22-7639-15	SA22-7639-18	SA22-7639-20	SA22-7639-21
z/OS MVS System Messages, Volume 10 (IXC-IZP)	SA22-7640-17	SA22-7640-21	SA22-7640-23	SA22-7640-24
z/OS MVS Using the Functional Subsystem Interface	SA22-7641-01	SA22-7641-01	SA22-7641-01	SA22-7641-02
z/OS MVS Using the Subsystem Interface	SA22-7642-07	SA22-7642-09	SA22-7642-10	SA22-7642-11
z/OS Unicode Services User's Guide and Reference	SA22-7649-09	SA22-7649-11	SA22-7649-12	SA22-7649-14
z/OS XML System Services User's Guide and Reference	SA23-1350-02	SA23-1350-05	SA23-1350-05	SA23-1350-06
Network File System (NFS)				
z/OS Network File System Guide and Reference	SC26-7417-08	SC26-7417-09	SC26-7417-11	SC26-7417-12
Open Systems Adapter/Support Facility (OSA/SF)				
System z9 and eServer zSeries: Open Systems Adapter-Express Customer's Guide and Reference	SA22-7935-08	SA22-7935-09	SA22-7935-11	SA22-7935-11
z900: OSA-2 Planning Guide	GA22-7477-00	GA22-7477-00	GA22-7477-00	GA22-7477-00
System z9 and eServer zSeries Open Systems Adapter-Express Integrated Console Controller User's Guide	SA22-7990-01	SA22-7990-01	SA22-7990-01	SA22-7990-01
Parallel Sysplex				
z/OS Parallel Sysplex Application Migration	SA22-7662-00	SA22-7662-00	SA22-7662-00	SA22-7662-00
z/OS Parallel Sysplex Overview: An Introduction to Data Sharing and Parallelism	SA22-7661-00	SA22-7661-00	SA22-7661-00	SA22-7661-00
Resource Measurement Facility (RMF)				
z/OS RMF Messages and Codes	SC33-7993-10	SC33-7993-11	SC33-7993-12	SC33-7993-13
z/OS RMF NewsFLASH	SC33-7995-01	SC33-7995-01	SC33-7995-01	SC33-7995-01
z/OS RMF Performance Management Guide	SC33-7992-08	SC33-7992-09	SC33-7992-10	SC33-7992-10

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Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS RMF Programmer's Guide HC	SC33-7994-09	SC33-7994-11	SC33-7994-13	SC33-7994-14
z/OS RMF Reference Summary HC	SX33-9033-03	SX33-9033-03	SX33-9033-04	SX33-9033-05
z/OS RMF Report Analysis	SC33-7991-13	SC33-7991-16	SC33-7991-18	SC33-7991-19
z/OS RMF User's Guide	SC33-7990-13	SC33-7990-16	SC33-7990-18	SC33-7990-19
REXX Alternate Library				
IBM Compiler and Library for REXX on System z: User's Guide and Reference	SH19-8160-00	SH19-8160-00	SH19-8160-00	SH19-8160-00
IBM Compiler and Library for REXX on System z: Diagnosis Guide	SH19-8179-00	SH19-8179-00	SH19-8179-00	SH19-8179-00
Run-Time Library Extensions				
C/C++ Legacy Class Libraries Reference	SC09-7652-01	--	--	--
z/OS Common Debug Architecture User's Guide	SC09-7653-01	SC09-7653-02	SC09-7653-02	SC09-7653-02
z/OS Common Debug Architecture Library Reference	SC09-7654-01	SC09-7654-03	SC09-7654-04	SC09-7654-04
DWARF/ELF Extensions Library Reference	SC09-7655-01	SC09-7655-02	SC09-7655-02	SC09-7655-04
System Display and Search Facility (SDSF)				
z/OS SDSF Operation and Customization	SA22-7670-11	SA22-7670-12	SA22-7670-14	SA22-7670-15
Security Server				
z/OS Security Server RACROUTE Macro Reference	SA22-7692-11	SA22-7692-12	SA22-7692-13	SA22-7692-14
z/OS Security Server RACF Auditor's Guide	SA22-7684-10	SA22-7684-11	SA22-7684-12	SA22-7684-13
z/OS Security Server RACF Callable Services	SA22-7691-12	SA22-7691-13	SA22-7691-14	SA22-7691-15
z/OS Security Server RACF Command Language Reference	SA22-7687-12	SA22-7687-13	SA22-7687-15	SA22-7687-16
z/OS Security Server RACF Data Areas	GA22-7680-10	GA22-7680-11	GA22-7680-12	GA22-7680-13
z/OS Security Server RACF Diagnosis Guide	GA22-7689-11	GA22-7689-12	GA22-7689-13	GA22-7689-14
z/OS Security Server RACF Macros and Interfaces	SA22-7682-12	SA22-7682-13	SA22-7682-14	SA22-7682-15
z/OS Security Server RACF Messages and Codes	SA22-7686-12	SA22-7686-13	SA22-7686-14	SA22-7686-15
z/OS Security Server RACF Security Administrator's Guide	SA22-7683-12	SA22-7683-13	SA22-7683-14	SA22-7683-15
z/OS Security Server RACF System Programmer's Guide	SA22-7681-10	SA22-7681-11	SA22-7681-12	SA22-7681-13

Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS Security Server RACF General User's Guide	SA22-7685-04	SA22-7685-05	SA22-7685-05	SA22-7685-06
System Modification Program/Extended (SMP/E)				
SMP/E Commands	SA22-7771-12	SA22-7771-13	SA22-7771-14	SA22-7771-15
SMP/E Messages, Codes, and Diagnosis	GA22-7770-14	GA22-7770-14	GA22-7770-15	GA22-7770-16
SMP/E Reference	SA22-7772-12	SA22-7772-13	SA22-7772-14	SA22-7772-15
SMP/E User's Guide	SA22-7773-13	SA22-7773-14	SA22-7773-15	SA22-7773-16
Time Sharing Option/Extensions (TSO/E)				
z/OS TSO/E Administration	SA22-7780-00	SA22-7780-00	SA22-7780-00	SA22-7780-00
z/OS TSO/E CLISTs	SA22-7781-04	SA22-7781-05	SA22-7781-06	SA22-7781-06
z/OS TSO/E Command Reference	SA22-7782-10	SA22-7782-11	SA22-7782-13	SA22-7782-14
z/OS TSO/E Customization	SA22-7783-09	SA22-7783-10	SA22-7783-11	SA22-7783-12
z/OS TSO/E General Information HC	SA22-7784-04	SA22-7784-04	SA22-7784-04	SA22-7784-04
z/OS TSO/E Guide to the Server-Requester Programming Interface	SA22-7785-01	SA22-7785-01	SA22-7785-01	SA22-7785-01
z/OS TSO/E Messages	SA22-7786-08	SA22-7786-09	SA22-7786-10	SA22-7786-11
z/OS TSO/E Primer	SA22-7787-02	SA22-7787-02	SA22-7787-02	SA22-7787-02
z/OS TSO/E Programming Guide	SA22-7788-02	SA22-7788-03	SA22-7788-04	SA22-7788-04
z/OS TSO/E Programming Services	SA22-7789-06	SA22-7789-07	SA22-7789-08	SA22-7789-09
z/OS TSO/E REXX Reference	SA22-7790-07	SA22-7790-08	SA22-7790-09	SA22-7790-10
z/OS TSO/E REXX User's Guide	SA22-7791-01	SA22-7791-01	SA22-7791-01	SA22-7791-01
z/OS TSO/E System Diagnosis: Data Areas	GA22-7792-04	GA22-7792-05	GA22-7792-06	GA22-7792-07
z/OS TSO/E System Programming Command Reference HC	SA22-7793-03	SA22-7793-04	SA22-7793-04	SA22-7793-05
z/OS TSO/E User's Guide	SA22-7794-04	SA22-7794-04	SA22-7794-05	SA22-7794-06
z/OS UNIX System Services (z/OS UNIX)				
z/OS UNIX System Services Command Reference	SA22-7802-10	SA22-7802-11	SA22-7802-12	SA22-7802-14
z/OS UNIX System Services Connection Scaling Reference for iBaanERP Solutions	SA22-7809-02	SA22-7809-02	SA22-7809-02	SA22-7809-02
z/OS UNIX System Services File System Interface Reference	SA22-7808-10	SA22-7808-11	SA22-7808-12	SA22-7808-13 num=
z/OS UNIX System Services Messages and Codes	SA22-7807-09	SA22-7807-10	SA22-7807-11	SA22-7807-12

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Table 1. z/OS titles, order numbers, and media (continued)

Title	Release 10	Release 11	Release 12	Release 13
z/OS UNIX System Services Parallel Environment: MPI Programming and Subroutine Reference HC	SA22-7812-00	SA22-7812-00	SA22-7812-00	SA22-7812-00
z/OS UNIX System Services Parallel Environment: Operation and Use HC	SA22-7810-00	SA22-7810-00	SA22-7810-00	SA22-7810-00
z/OS UNIX System Services Planning	GA22-7800-14	GA22-7800-16	GA22-7800-18	GA22-7800-19
z/OS UNIX System Services Programming: Assembler Callable Services Reference	SA22-7803-11	SA22-7803-12	SA22-7803-13	SA22-7803-14
z/OS UNIX System Services Programming Tools	SA22-7805-07	SA22-7805-08	SA22-7805-08	SA22-7805-08
z/OS UNIX System Services User's Guide	SA22-7801-11	SA22-7801-11	SA22-7801-13	SA22-7801-14
z/OS Using REXX and z/OS UNIX System Services	SA22-7806-11	SA22-7806-12	SA22-7806-13	SA22-7806-14
XL C/C++				
z/OS XL C/C++ Language Reference	SC09-4815-07	SC09-4815-09	SC09-4815-10	SC09-4815-11
z/OS C Curses HC	SA22-7820-00	SA22-7820-00	SA22-7820-00	SA22-7820-00
z/OS XL C/C++ Compiler and Run-Time Migration Guide for the Application Programmer	GC09-4913-05	GC09-4913-07	GC09-4913-08	GC09-4913-09
z/OS XL C/C++ Messages	GC09-4819-05	GC09-4819-07	GC09-4819-08	GC09-4819-09
z/OS XL C/C++ Programming Guide	SC09-4765-09	SC09-4765-10	SC09-4765-11	SC09-4765-12
z/OS XL C/C++ Run-Time Library Reference	SA22-7821-10	SA22-7821-11	SA22-7821-12	SA22-7821-13
Standard C++ Library Reference	SC09-4949-01	SC09-4949-03	SC09-4949-04	SC09-4949-05
z/OS XL C/C++ User's Guide	SC09-4767-06	SC09-4767-08	SC09-4767-09	SC09-4767-10
IBM Open Class Library Transition Guide	SC09-4948-01	–	–	–

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