

**CICS**  
**CICS**

Customer  
Information  
Control System  
CICS/VS

Program Product

Program Numbers  
5740-XX1 (CICS/OS/VS)  
5746-XX3 (CICS/DOS/VS)

---

**CICS**  
**CICS**

Library  
Guide

## First Edition (November 1985)

This edition applies to Version 1 Release 7 (Version 1.7) of the IBM program product Customer Information Control System/Operating System/Virtual Storage (CICS/OS/VS), program number 5740-XX1, and to Version 1 Release 6 (Version 1.6) of the IBM program product Customer Information Control System/Disk Operating System/Virtual Storage (CICS/DOS/VS), program number 5746-XX3, and to all previous releases for which we provide central programming service.

Changes are made periodically to the information herein; before using this publication in connection with the operation of IBM systems, consult the latest *IBM System/370, 30xx, and 4300 Processors Bibliography*, GC20-0001, for the editions that are applicable and current.

References in this publication to IBM products, programs, or services do not imply that IBM intends to make these available in all countries in which IBM operates. Any reference to an IBM program product in this publication is not intended to state or imply that only IBM's program product may be used. Any functionally equivalent program may be used instead.

Publications are not stocked at the addresses given below. Requests for IBM publications should be made to your IBM representative or to the IBM branch office serving your locality.

A form for readers' comments is provided at the back of this publication. If the form has been removed, comments may be addressed either to:

International Business Machines Corporation, Department 6R1H,  
180 Kost Road, Mechanicsburg, PA 17055, U.S.A.

or to:

IBM United Kingdom Laboratories Limited, Information Development,  
Mail Point 095, Hursley Park, Winchester, Hampshire, England, SO21 2JN.

IBM may use or distribute whatever information you supply in any way it believes appropriate without incurring any obligation to you.

© Copyright International Business Machines Corporation 1985

# Preface

## What This Book Is About

This book describes the library of books for the IBM Customer Information Control System/Virtual Storage program products (CICS/OS/VS and CICS/DOS/VS). It will help you decide which CICS books you need and will keep you up-to-date on changes to the CICS library.

We intend to update this book when we make significant changes to the CICS library.

## Who This Book Is For

This book is for anyone who needs information about CICS. You should use it in conjunction with the relevant CICS *Master Index*.

## What You Need to Know to Understand This Book

This book assumes no previous knowledge of CICS.

## How to Use This Book

You should start with Chapter 1, "Introduction" on page 1, but what you read after that depends on your CICS release level.

- If you're using, or if you plan to use, CICS/OS/VS 1.7, you should look at Chapter 2, "The Library for CICS/OS/VS 1.7" on page 5.
- If you're using Release 1.6 (or 1.6.1), you should look at Chapter 3, "The Library for CICS 1.6 and 1.6.1" on page 15.
- If you're using any currently supported release (including those mentioned above), you can find complete details of the order numbers in Chapter 4, "Summary of Books for Each CICS Release" on page 29.

## Notes on Terminology

"CICS" is used throughout this book to mean both CICS/OS/VS and CICS/DOS/VS (except when we want to point out specific differences between them).

CICS release levels are normally abbreviated. For example, 1.7 means Version 1 Release 7, and 1.6.1 means Version 1 Release 6 Modification Level 1.

## **Book Structure**

### **Chapter 1, "Introduction" on page 1**

Describes the tasks involved in installing and running a CICS system, and the way we organize the information to help you perform these tasks.

### **Chapter 2, "The Library for CICS/OS/VS 1.7" on page 5**

Describes the books provided for CICS/OS/VS 1.7.

### **Chapter 3, "The Library for CICS 1.6 and 1.6.1" on page 15**

Describes the books provided for CICS/DOS/VS 1.6 and CICS/OS/VS 1.6, and how they were supplemented for CICS/OS/VS 1.6.1.

### **Chapter 4, "Summary of Books for Each CICS Release" on page 29**

Lists the books available for all CICS/OS/VS and CICS/DOS/VS releases that are supported at the time of publication. It also tells you how to order any of those books that have been superseded.

### **Appendix A, "Order Numbers for IBM Publications" on page 39**

Describes IBM's system for numbering publications.

# Contents

<b>Chapter 1. Introduction</b> .....	<b>1</b>
User Tasks .....	1
Evaluation .....	1
Planning .....	1
Installation .....	2
Resource Definition .....	2
Operation .....	2
Customization .....	2
Application Programming .....	2
Program Service .....	2
Information Categories .....	3
<b>Chapter 2. The Library for CICS/OS/VS 1.7</b> .....	<b>5</b>
Major Changes for the CICS 1.7 Library .....	5
General Category .....	7
General Information (GC33-0155) .....	7
Release Guide (GC33-0132) .....	7
Messages and Codes (SC33-0226) .....	7
Library Guide (GC33-0356) .....	7
Master Index (SC33-0227) .....	7
Program Product Specifications (GC33-0087) .....	8
System Planning Category .....	8
Facilities and Planning Guide (SC33-0202) .....	8
Intercommunication Facilities Guide (SC33-0230) .....	8
Recovery and Restart Guide (SC33-0231) .....	8
Performance Guide (SC33-0229) .....	9
Performance Data (SC33-0212) .....	9
Terminal and Subsystem Guides .....	9
System Administration Category .....	10
Installation and Operations Guide (SC33-0071) .....	10
Resource Definition (Online) (SC33-0186) .....	10
Resource Definition (Macro) (SC33-0237) .....	10
Customization Guide (SC33-0239) .....	10
CICS-Supplied Transactions (SC33-0240) .....	11
Application Programming Category .....	11
Application Programming Primer (SC33-0139) .....	11
Application Programmer's Reference Manual (Command Level) (SC33-0241) ..	11
Application Programmer's Reference Summary (Command Level) (GX33-6047)	12
Application Programmer's Reference Manual (Macro Level) (SC33-0079) ....	12
Program Service Category .....	12
Problem Determination Guide (SC33-0242) .....	12
Program Debugging Reference Summary (SX33-6048) .....	12

Data Areas (LY33-6035) .....	13
Diagnosis Reference (LC33-0243) .....	13
Binders for CICS 1.7 Books .....	14
<b>Chapter 3. The Library for CICS 1.6 and 1.6.1 .....</b>	<b>15</b>
The Library for CICS/DOS/VS and CICS/OS/VS 1.6 .....	15
Major Changes for the CICS 1.6 Library .....	15
General Category .....	18
General Information (GC33-0155) .....	18
Release Guide .....	18
Messages and Codes (SC33-0081) .....	18
Library Guide (GC33-0356) .....	18
Master Index (SC33-0095) .....	18
Program Product Specifications .....	19
System Planning Category .....	19
System/Application Design Guide (SC33-0068) .....	19
Intercommunication Facilities Guide (SC33-0133) .....	19
Recovery and Restart Guide (SC33-0135) .....	20
Performance Guide (SC33-0134) .....	20
Performance Data .....	20
Terminal and Subsystem Guides .....	20
System Administration Category .....	21
Installation and Operations Guide .....	21
Resource Definition Guide (SC33-0149) .....	21
Customization Guide (SC33-0131) .....	22
Operator's Guide (SC33-0080) .....	22
Application Programming Category .....	22
Application Programming Primer (SC33-0139) .....	22
Application Programmer's Reference Manual (Command Level) (SC33-0077) ..	23
Application Programmer's Reference Summary (Command Level) (GX33-6012)	23
Application Programmer's Reference Manual (RPGII) (SC33-0085) .....	23
Application Programmer's Reference Manual (Macro Level) (SC33-0079) ....	23
VS COBOL II for CICS Users (SC33-0203) .....	23
Program Service Category .....	24
Problem Determination Guide (SC33-0089) .....	24
Program Debugging Reference Summary (SX33-6010) .....	24
Data Areas .....	24
Diagnosis Reference (LC33-0105) .....	24
The Library for CICS/OS/VS 1.6.1 .....	25
Binders for CICS 1.6 and 1.6.1 Books .....	27
<b>Chapter 4. Summary of Books for Each CICS Release .....</b>	<b>29</b>
Summary of CICS/OS/VS Books by Release .....	31
Summary of CICS/DOS/VS Books by Release .....	35
<b>Appendix A. Order Numbers for IBM Publications .....</b>	<b>39</b>
<b>Index .....</b>	<b>41</b>

## Figures

1. The Library for CICS/OS/VS 1.7 .....	6
2. The Library for CICS/DOS/VS 1.6 .....	16
3. The Library for CICS/OS/VS 1.6 .....	17
4. The Library for CICS/OS/VS 1.6.1 .....	26
5. Abbreviations for CICS Book Titles .....	30
6. Books for Supported CICS/OS/VS Releases - General Category .....	32
7. Books for Supported CICS/OS/VS Releases - System Planning Category .....	32
8. Books for Supported CICS/OS/VS Releases - System Administration Category .....	33
9. Books for Supported CICS/OS/VS Releases - Application Programming Category .....	33
10. Books for Supported CICS/OS/VS Releases - Program Service Category .....	34
11. Books for Supported CICS/DOS/VS Releases - General Category .....	36
12. Books for Supported CICS/DOS/VS Releases - System Planning Category .....	36
13. Books for Supported CICS/DOS/VS Releases - System Administration Category .....	37
14. Books for Supported CICS/DOS/VS Releases - Application Programming Category .....	37
15. Books for Supported CICS/DOS/VS Releases - Program Service Category .....	38





# Chapter 1. Introduction

## Introducing the CICS Library

This book tells you about the books available with CICS. In this first chapter, we explain something about the way the CICS library is structured, and give you a starting point within the library.

To help make our library more usable, we've structured the books according to **user tasks**, and we've put the books into categories according to the roles our readers may be performing. Let's look at what we mean by this.

## User Tasks

Anyone who wants to use CICS needs information on how to perform one or more tasks. Whether your task is evaluating CICS, installing it, operating it, or writing application programs for it, you need information to help you.

So the books in the CICS library are **task-oriented**. Each book contains only the information you need to perform the set of tasks it describes. This makes the information easier to find and easier to understand.

Consider the tasks that you might have to perform on your CICS system. For each task we'll suggest a starting point within the CICS library.

## Evaluation

**Evaluation** means deciding whether you need CICS.

Use the *General Information* manual (possibly augmented by the *Facilities and Planning Guide*).

## Planning

**Planning** means making fundamental decisions about options that CICS offers. For example, deciding which system facilities you'll use.

Start with the *Facilities and Planning Guide*.

## Installation

**Installation** means preparing CICS for operation, including initializing CICS and applying fixes to problems.

Use the *Installation and Operations Guide*.

## Resource Definition

**Resource definition** means defining your data processing resources to CICS. Such resources include real and virtual storage, networks, terminals, data bases, files, queues, programs, and transactions.

Depending on the resource you're defining, use either the *Resource Definition (Online)* or the *Resource Definition (Macro)* book. (For CICS 1.6, use the *Resource Definition Guide*.)

## Operation

**Operation** means starting and stopping CICS, checking and controlling it, and reacting to abnormal events.

Use the *Installation and Operations Guide (Part 5)* augmented by the *CICS-Supplied Transactions* manual. (For CICS 1.6 this manual is called the *Operator's Guide*.)

## Customization

**Customization** means enhancing or extending the basic CICS system. Generally, this means such things as coding exit routines or programs to handle terminal errors.

The *Customization Guide* contains a description of customization facilities. Consult other books (such as the *Facilities and Planning Guide*, *Installation and Operations Guide*, and *Recovery and Restart Guide*) for an introduction to using them.

## Application Programming

**Application programming** means designing, coding, translating, compiling, link-editing, executing, debugging, and testing application programs and BMS maps.

Start with the *Application Programming Primer*.

## Program Service

**Program service** means describing, resolving, and correcting a CICS problem.

The *Problem Determination Guide* is the starting point, but the *Data Areas* manual will help you find relevant control block fields.

## Information Categories

In applying the concept of task orientation to the CICS library, we've tried to avoid stereotyped roles such as system programmer or application programmer. Nevertheless, the same person, or group of people, may perform a number of tasks, such as installation, resource definition, and customization.

Because of this, we've grouped books in the CICS library into **categories**, according to the kind of information they contain. The covers are color-coded to show the categories.

The information categories and their color codes are:

- General (blue)
- System planning (green)
- System administration (orange)
- Application programming (yellow)
- Program service (red for 1.7, beige for 1.6).

### Where now?

Where you go next in this book depends on your CICS release level:

- If you're using, or if you plan to use, CICS/OS/VS 1.7, you should look at Chapter 2, "The Library for CICS/OS/VS 1.7" on page 5.
- If you're using Release 1.6 (or 1.6.1), you should look at Chapter 3, "The Library for CICS 1.6 and 1.6.1" on page 15.
- If you're using any currently supported release (including those mentioned above), you can find complete details of the order numbers in Chapter 4, "Summary of Books for Each CICS Release" on page 29.



## Chapter 2. The Library for CICS/OS/VS 1.7

### CICS 1.7

This chapter tells you about the library for the latest release, CICS/OS/VS 1.7. We'll give you the order numbers of the books, but if you want to know the suffix (or revision level) look at Chapter 4, "Summary of Books for Each CICS Release" on page 29.

Figure 1 shows the library for this release.

### Major Changes for the CICS 1.7 Library

Most of the books for 1.7 are OS-only (in other words, they describe only those functions supported by CICS/OS/VS 1.7). The exceptions are the *General Information* manual, *Application Programmer's Reference Manual (Macro Level)*, and this book. **We shall not revert to books common to the OS and DOS CICS products as we did for Release 1.6.**

The major new book for CICS 1.7 is the *Facilities and Planning Guide*, which gives an overview of CICS functions and helps you plan for their use. With the introduction of this book, the *System/Application Design Guide* is no longer part of the CICS library (having not been updated since CICS 1.5).

The other major changes we've made are:

- Dividing the *Resource Definition Guide* into *Resource Definition (Online)* and *Resource Definition (Macro)* manuals
- Reorganizing the *Operator's Guide* and renaming it *CICS-Supplied Transactions*
- Introducing this *Library Guide*.

We're now describing VS COBOL II support and ISC transaction routing (which we introduced as an enhancement to CICS/OS/VS 1.6.1) in the appropriate manuals.

## General

General Information  
GC33-0155

Library Guide  
GC33-0356

Release Guide  
GC33-0132

Master Index  
SC33-0227

Messages and Codes  
SC33-0226

## Planning

Facilities and Planning Guide  
SC33-0202

Intercommunication Facilities Guide  
SC33-0230

Recovery and Restart Guide  
SC33-0231

Performance Guide  
SC33-0229

Performance Data  
SC33-0212

3270 Data Stream Device Guide  
SC33-0232

3650/3680 Guide  
SC33-0234

3767/3770/6670 Guide  
SC33-0235

3790/3730/8100 Guide  
SC33-0236

4700/3600/3630 Guide  
SC33-0233

## Administration

Installation and Operations Guide  
SC33-0071

Resource Definition (Online)  
SC33-0186

Resource Definition (Macro)  
SC33-0237

Customization Guide  
SC33-0239

CICS-Supplied Transactions  
SC33-0240

## Programming

Application Programming Primer  
SC33-0139

Application Programmer's Reference Manual (Command Level)  
SC33-0241

Application Programmer's Reference Summary (Command Level)  
GX33-6047

Application Programmer's Reference Manual (Macro Level)  
SC33-0079

## Service

Problem Determination Guide  
SC33-0242

Program Debugging Reference Summary  
SX33-6048

Data Areas  
LY33-6035

Diagnosis Reference  
LC33-0243

Figure 1. The Library for CICS/OS/VS 1.7

## General Category

The publications in the “general category” are:

- *General Information*
- *Release Guide*
- *Messages and Codes*
- *Library Guide*
- *Master Index*
- *Program Product Specifications.*

The books in this category are, as the name implies, for a range of different users.

### General Information (GC33-0155)

This book is for data processing management, and system and application designers. Its objective is to help you evaluate CICS — to see whether CICS can help you meet your information processing needs. It describes CICS in general terms and refers you to other books in the library should you need more information.

### Release Guide (GC33-0132)

This book is for those responsible for installing and maintaining an existing CICS system. It will help you plan your move to Release 1.7. It describes the changes introduced in the release, and it assumes you're familiar with the previous release. We describe these changes in more detail in the other CICS books.

Each new release has its own guide, which we aim to publish as soon as possible after we announce the release. This ensures that, if you want to move immediately to the release, you have some detailed information to help you plan for the move.

### Messages and Codes (SC33-0226)

This contains information on CICS messages and transaction abend codes. It's a useful quick reference for terminal operators, system programmers, and application programmers.

For some of the key abend codes, the book has extra diagnosis information in a separate failure analysis structure table (FAST) section.

### Library Guide (GC33-0356)

This is the book you're reading. Its aim is to help you decide which CICS books to use, and which books apply to each of the currently supported releases.

### Master Index (SC33-0227)

This book combines index entries from most of the books in the CICS library. It lists the books containing index entries for each topic.

## **Program Product Specifications (GC33-0087)**

This is a single-sheet overview of the function of CICS, its operating environment, compatibility considerations, and program service conditions. It serves as the basis for the CICS program product warranty.

## **System Planning Category**

The books in the "system planning" category are:

- *Facilities and Planning Guide*
- *Intercommunication Facilities Guide*
- *Recovery and Restart Guide*
- *Performance Guide*
- *Performance Data*
- Terminal and subsystem guides.

These books are primarily for system programmers, application designers, technical support personnel, and data base administrators. Application developers may also benefit from consulting some of them.

### **Facilities and Planning Guide (SC33-0202)**

This book introduces the facilities of CICS and helps you choose those that are most appropriate for your purpose. It also tells you how to start using these facilities and where you can get more information. The book describes fundamental facilities such as journaling, the use of files, and communicating with terminals. You can also find guidance on how to use more advanced facilities such as system security, DL/I data bases, and monitoring.

### **Intercommunication Facilities Guide (SC33-0230)**

This guide tells you how to use intersystem communication (with another CICS, and with other systems such as IMS/VS) and multiregion operation. It has sections on installing, defining resources, application programming, and recovery/restart.

### **Recovery and Restart Guide (SC33-0231)**

This guide introduces recovery concepts and describes how to design and implement recovery and restart functions in your CICS system and in your application programs. It then describes extended recovery functions and the CICS recovery and restart mechanisms. A separate section tells you how to use IMS/VS data base recovery control (DBRC) and IMS/VS data sharing with a CICS system.

You should also see the *Customization Guide* for details on writing recovery and restart routines.



## **Performance Guide (SC33-0229)**

This guide describes how to set performance objectives and how to analyze performance. It describes the tools that CICS offers to help you measure performance, and helps you identify and correct performance-related problems when they occur. To give us time to analyze the performance characteristics of CICS/OS/VS 1.7, we publish this book after general availability of the release.

## **Performance Data (SC33-0212)**

This book gives performance-related data concerning the storage and processing time requirements of the release. To give us time to analyze our measurements, we publish this book after general availability of Release 1.7.

## **Terminal and Subsystem Guides**

These small books tell you how to define and use specific terminals or systems as CICS terminals. Most of these books apply to specialized (often industry-specific) systems, but the *IBM 3270 Data Stream Device Guide* is much more generally applicable. To use these guides, you need to know something about the standard CICS facilities for communicating with remote systems.

The books, and the terminals or subsystems to which they apply, are:

- *IBM 3270 Data Stream Device Guide* (SC33-0232)
  - All devices that use the 3270 data stream
- *IBM 3650/3680 Guide* (SC33-0234)
  - IBM 3650 Retail Store System
  - IBM 3650 Programmable Store System
  - IBM 3680 Programmable Store System
- *IBM 3767/3770/6670 Guide* (SC33-0235)
  - IBM 3767 Communication Terminal
  - IBM 3770 Data Communication System
  - IBM 6670 Information Distributor
  - Common Carrier Teletypewriter Exchange (TWX)
  - World Trade Teletypewriter (TLX)
- *IBM 3790/3730/8100 Guide* (SC33-0236)
  - IBM 3790 Communication System
  - IBM 3730 Distributed Office Communication System
  - IBM 8100 Information System
- *IBM 4700/3600/3630 Guide* (SC33-0233)
  - IBM 4700 Finance Communication System
  - IBM 3600 Finance Communication System
  - IBM 3630 Plant Communication System

## System Administration Category

The books in the "system administration" category are:

- *Installation and Operations Guide*
- *Resource Definition (Online)*
- *Resource Definition (Macro)*
- *Customization Guide*
- *CICS-Supplied Transactions.*

These books are primarily for system programmers, system administrators, and technical support personnel. Some of them also contain information for system or terminal operators.

### Installation and Operations Guide (SC33-0071)

This book leads you through the complete installation task, from receiving the distribution tape with CICS on it, to having an operational CICS system. It also describes various aspects of running CICS, such as starting and stopping execution, and general operating procedures.

It also contains information on applying CICS service.

### Resource Definition (Online) (SC33-0186)

This book describes how to define the characteristics of your data processing resources to your CICS system while the system is running. This is called resource definition online (RDO). The resources you can define with RDO are VTAM terminals, VTAM links with remote systems, MVS consoles, programs, transactions, and map sets.

### Resource Definition (Macro) (SC33-0237)

This book describes how to use macros to define the characteristics of your data processing resources to your CICS system. The resources for which you need this book include real and virtual storage, non-VTAM terminals, data bases, files, and queues. In addition, you can, if you wish, use macros to define those resources that are described in the *Resource Definition (Online)* book.

### Customization Guide (SC33-0239)

This book helps you customize your CICS system to your specific requirements. It tells you how to:

- Generate CICS modules
- Write recovery and restart routines, including a terminal error program (TEP) and a node error program (NEP)
- Use specialized journal functions
- Support specialized devices and telecommunications access methods
- Write a user program for automatic installation of terminals
- Write user-exit code
- Write command-level system programs
- Use specialist file operations.

## **CICS-Supplied Transactions (SC33-0240)**

This is for CICS terminal operators (including master terminal operators) and for people who prepare procedures for them.

It describes, in alphabetic order, the various transactions available to the terminal operator, for doing such things as examining or changing status, obtaining statistics, or switching messages.

## **Application Programming Category**

The books in the “application programming” category are:

- *Application Programming Primer*
- *Application Programmer's Reference Manual (Command Level)*
- *Application Programmer's Reference Summary (Command Level)*
- *Application Programmer's Reference Manual (Macro Level)*.

They are, not surprisingly, for application programmers.

### **Application Programming Primer (SC33-0139)**

As its name suggests, this book is primarily for application programmers who are new to CICS, but any new system programmer should learn much by reading it. You should have some knowledge of programming in a batch environment.

The book has two aims:

- To tell you enough to be able to design, code, and test your first CICS application programs
- To introduce you to the CICS books you'll need later.

The book describes a subset of the full CICS product. It illustrates CICS facilities and useful techniques by a realistic example coded in COBOL.

Although originally written for Release 1.6, the book applies also to Release 1.7. Furthermore, the source code of the example is provided with Release 1.7.

### **Application Programmer's Reference Manual (Command Level) (SC33-0241)**

This book is for assembler, COBOL, and PL/I application designers and programmers. It contains both introductory and reference material on the commands you code to use each of the CICS functions. You should have a general knowledge of CICS and of the programming language you'll be using.

The *Application Programming Primer* will give you a good introduction to CICS application programming, if you need one, before using this book.

### **Application Programmer's Reference Summary (Command Level) (GX33-6047)**

This is a pocket-sized summary of the commands and some other information from the *Application Programmer's Reference Manual (Command Level)*.

### **Application Programmer's Reference Manual (Macro Level) (SC33-0079)**

This book is for application programmers who are maintaining programs written to the old CICS macro-level interface in assembler, COBOL, or PL/I.

For new programs, you should be using the *Application Programmer's Reference Manual (Command Level)*.

## **Program Service Category**

The books in the "program service" category are:

- *Problem Determination Guide*
- *Program Debugging Reference Summary*
- *Data Areas*
- *Diagnosis Reference*.

These books help you to diagnose problems that might be either user errors or problems in the CICS product. They are for system programmers, program support representatives, and IBM Support Center personnel.

### **Problem Determination Guide (SC33-0242)**

This book describes methods of diagnosing and resolving problems that may arise in a running CICS system. The subjects covered include:

- CICS trace and dump facilities
- How to debug various types of problems
- A review of relevant CICS functional areas
- CICS interfaces
- Documentation needed when submitting an APAR
- A list of common errors.

### **Program Debugging Reference Summary (SX33-6048)**

This is a pocket-sized summary of information extracted from the *Problem Determination Guide*, the *Messages and Codes* manual, and the *Data Areas* book. It includes:

- Trace table entries
- A summary of transaction abend codes
- Selected storage areas
- The EXEC interface block.

**Data Areas (LY33-6035)**

This book defines the layout and contents of the control tables and principal data areas used by the CICS system.

**Diagnosis Reference (LC33-0243)**

This book, in conjunction with the CICS source program listings, helps you to understand the inner workings of CICS. It should help you identify possible causes of a failure in a CICS program. It includes:

- An introduction to the logic of each CICS functional area
- Organization charts and a module directory table
- A list of CICS source modules.

## Binders for CICS 1.7 Books

For CICS 1.7, we provide color-coded title labels you can put into plastic pockets on the spine and front cover of IBM 3-ring binders:

You can choose whether to use binders with a full-page clear plastic pocket or a half-page pocket (as used for CICS 1.6).

1. Full-page pocket binders:
  - 1.0 inch thick : SB30-3254
  - 1.5 inch thick : SB30-3255
  - 2.0 inch thick : SB30-3256
  - 2.5 inch thick : SB30-3257
  - 3.0 inch thick : SB30-3262
2. Half-page pocket binders (as for CICS 1.6)
  - 1.0 inch thick : SR30-0329
  - 1.5 inch thick : SR30-0330
  - 2.0 inch thick : SR30-0331
  - 2.0 inch thick : SR30-0327 (can be stood on a desk)

The following table tells you how many binders you would need for the complete CICS/OS/VS 1.7 library. The lower figures assume putting some of the smaller books together in one binder, while the higher figures assume one book per binder.

Release	1.0 inch	1.5 inch	2.0 inch	Total
CICS/OS/VS 1.7	9-14	7	4	20-25

### Where now?

If you want to know the full order numbers of the books (including the revision level), look at Chapter 4, "Summary of Books for Each CICS Release" on page 29.

## Chapter 3. The Library for CICS 1.6 and 1.6.1

### CICS 1.6 and 1.6.1

This chapter tells you about the library for CICS/OS/VS 1.6 and CICS/DOS/VS 1.6, and then tells you how we've supplemented it for CICS/OS/VS 1.6.1.

We'll give you the order numbers of the books, but if you want to know the suffix (or revision code) see Chapter 4, "Summary of Books for Each CICS Release" on page 29.

## The Library for CICS/DOS/VS and CICS/OS/VS 1.6

Figures 2 and 3 show the libraries for CICS/DOS/VS 1.6 and CICS/OS/VS 1.6.

### Major Changes for the CICS 1.6 Library

For CICS 1.6 we restructured the system programmer books (the *System Programmer's Guide* and the *System Programmer's Reference Manual*) into the following new books:

- *Installation and Operations Guide*
- *Resource Definition Guide*
- *Customization Guide*
- *Intercommunication Facilities Guide*
- *Recovery and Restart Guide*
- *Performance Guide* (and later the *Performance Data* book).

We introduced the *Release Guide* to give early information on the changes in the release, and to present these changes collected together in one book.

Later we published a CICS tutorial for application programmers, the *Application Programming Primer*, and the *VS COBOL II for CICS Users* book.

For CICS/OS/VS 1.6 we initially published books for the OS product only. We assigned new order numbers<sup>1</sup> to those books that had previously been common to the two CICS products. For CICS/DOS/VS 1.6, we published new versions of the common books, reverting to the previous (1.5) order numbers. These are the current 1.6 books for both products, and it's their order numbers that we use in this guide.

---

<sup>1</sup> These were SC33-0156 through SC33-0163, GX33-6037, SX33-6038, and LC33-0164.

## General

General Information  
GC33-0155

Library Guide  
GC33-0356

Release Guide  
GC33-0130

Master Index  
SC33-0095

Messages and Codes  
SC33-0081

## Planning

System/Application  
Design Guide  
SC33-0068

Intercommunication  
Facilities Guide  
SC33-0133

Recovery and Restart Guide  
SC33-0135

Performance Guide  
SC33-0134

Performance Data  
SC33-0219

3270/8775 Guide  
SC33-0096

3650/3680 Guide  
SC33-0073

3767/3770/6670 Guide  
SC33-0074

3790/3730/8100 Guide  
SC33-0075

4700/3600/3630 Guide  
SC33-0072

## Administration

Installation and  
Operations Guide  
SC33-0070

Resource Definition  
Guide  
SC33-0149

Customization Guide  
SC33-0131

Operator's Guide  
SC33-0080

## Programming

Application Programming  
Primer  
SC33-0139

Application Programmer's  
Reference Manual  
(Command Level)  
SC33-0077

Application Programmer's  
Reference Summary  
(Command Level)  
GX33-6012

Application Programmer's  
Reference Manual  
(RPG II)  
SC33-0085

Application Programmer's  
Reference Manual  
(Macro Level)  
SC33-0079

## Service

Problem Determination  
Guide  
SC33-0089

Program Debugging  
Reference Summary  
SX33-6010

Data Areas  
LY33-6033

Diagnosis Reference  
LC33-0105

Figure 2. The Library for CICS/DOS/VS 1.6



## General

General Information  
GC33-0155

Library Guide  
GC33-0356

Release Guide  
GC33-0132

Master Index  
SC33-0095

Messages and Codes  
SC33-0081

## Planning

System/Application  
Design Guide  
SC33-0068

Intercommunication  
Facilities Guide  
SC33-0133

Recovery and Restart Guide  
SC33-0135

Performance Guide  
SC33-0134

3270/8775 Guide  
SC33-0096

3650/3680 Guide  
SC33-0073

3767/3770/6670 Guide  
SC33-0074

3790/3730/8100 Guide  
SC33-0075

4700/3600/3630 Guide  
SC33-0072

## Administration

Installation and  
Operations Guide  
SC33-0071

Resource Definition  
Guide  
SC33-0149

Customization Guide  
SC33-0131

Operator's Guide  
SC33-0080

## Programming

Application Programming  
Primer  
SC33-0139

Application Programmer's  
Reference Manual  
(Command Level)  
SC33-0077

Application Programmer's  
Reference Summary  
(Command Level)  
GX33-6012

Application Programmer's  
Reference Manual  
(Macro Level)  
SC33-0079

VS COBOL II  
for CICS Users  
SC33-0203

## Service

Problem Determination  
Guide  
SC33-0089

Program Debugging  
Reference Summary  
SX33-6010

Data Areas  
LY33-6035

Diagnosis Reference  
LC33-0105

Figure 3. The Library for CICS/OS/VS 1.6

## General Category

The publications in the “general” category are:

- *General Information*
- *Release Guide*
- *Messages and Codes*
- *Library Guide*
- *Master Index*
- *Program Product Specifications.*

The books in this category are, as the name implies, for a range of different users.

### General Information (GC33-0155)

This book is for data processing management, and system and application designers. Its objective is to help you evaluate CICS — to see whether CICS can help you meet your information processing needs. It describes CICS in general terms and summarizes the major changes introduced in the most recent releases.

### Release Guide

There are two versions of this book:

GC33-0130 for CICS/DOS/VS  
GC33-0132 for CICS/OS/VS.

This book is for those responsible for installing and maintaining an existing CICS system. It will help you plan your move to Release 1.6. It describes the changes introduced in the release, and it assumes you're familiar with the previous release. We describe these changes in more detail in the other CICS books. Each new release has its own guide.

### Messages and Codes (SC33-0081)

This contains information on CICS messages and transaction abend codes. It's a useful quick reference for terminal operators, system programmers, and application programmers.

For some of the key abend codes, the book has extra diagnosis information in a separate failure analysis structure table (FAST) section.

### Library Guide (GC33-0356)

This is the book you're reading. Its aim is to help you decide which CICS books to use, and which books apply to each of the currently supported releases.

### Master Index (SC33-0095)

This book combines index entries from most of the books in the CICS library. It lists the books containing each topic as a primary index entry.

## Program Product Specifications

There are two versions of this document:

GC33-0084 for CICS/DOS/VS  
GC33-0087 for CICS/OS/VS.

This is a single-sheet overview of the function of CICS, its operating environment, compatibility considerations, and program service conditions. It serves as the basis for the CICS program product warranty.

## System Planning Category

The books in the “system planning” category are:

- *System/Application Design Guide*
- *Intercommunication Facilities Guide*
- *Recovery and Restart Guide*
- *Performance Guide*
- *Performance Data*
- Terminal and subsystem guides.

These books are primarily for system programmers, application designers, technical support personnel, and data base administrators. Application developers may also benefit from consulting some of them.

### System/Application Design Guide (SC33-0068)

This book gives guidelines on the design of online applications to run under the control of CICS. It assumes no prior CICS knowledge other than that which you can get from the *General Information* manual.

There are chapters on the following topics:

- Data base design
- Data communication design
- Application design.

The *System/Application Design Guide* wasn't updated for CICS 1.6.

### Intercommunication Facilities Guide (SC33-0133)

This guide tells you how to use intersystem communication (with another CICS, and with other systems such as IMS/VS) and multiregion operation. It has sections on installing, defining resources, application programming, and recovery/restart.

## Recovery and Restart Guide (SC33-0135)

This guide introduces recovery concepts and the CICS recovery and restart mechanisms. It then describes how to design and implement recovery and restart functions in your CICS system and in your application programs.

You should also see the *Customization Guide* for details on writing recovery and restart routines.

## Performance Guide (SC33-0134)

This guide describes how to set performance objectives and how to analyze performance. It describes the tools that CICS offers to help you measure performance and helps you identify and correct performance-related problems when they occur.

## Performance Data

There are two versions of this book:

- SC33-0219 for CICS/DOS/VS 1.6
- SC33-0212 for CICS/OS/VS 1.6.1 (We assume that if you're concerned about performance you'll have installed 1.6.1, because this is largely a performance release.)

The book gives performance-related data concerning the storage and processing time requirements of the release.

## Terminal and Subsystem Guides

These small books tell you how to define and use specific terminals or systems as CICS terminals. Most of these books apply to specialized (often industry-specific) systems, but the *IBM 3270/8775 Guide* is much more generally applicable. To use these guides, you need to know something about standard CICS facilities for communicating with remote systems.

The books, and the terminals or subsystems to which they apply, are:

- *IBM 3270/8775 Guide* (SC33-0096)
  - IBM 3270 Information Display System
  - IBM 8775 Display Terminal
- *IBM 3650/3680 Guide* (SC33-0073)
  - IBM 3650 Retail Store System
  - IBM 3650 Programmable Store System
  - IBM 3680 Programmable Store System

This book wasn't updated for CICS 1.6.

- *IBM 3767/3770/6670 Guide* (SC33-0074)
  - IBM 3767 Communication Terminal
  - IBM 3770 Data Communication System
  - IBM 6670 Information Distributor

- Common Carrier Teletypewriter Exchange (TWX)
- World Trade Teletypewriter (TLX)

This book wasn't updated for CICS 1.6.

- *IBM 3790/3730/8100 Guide* (SC33-0075)
  - IBM 3790 Communication System
  - IBM 3730 Distributed Office Communication System
  - IBM 8100 Information System
- *IBM 4700/3600/3630 Guide* (SC33-0072)
  - IBM 4700 Finance Communication System
  - IBM 3600 Finance Communication System
  - IBM 3630 Plant Communication System

## **System Administration Category**

The books in the "system administration" category are:

- *Installation and Operations Guide*
- *Resource Definition Guide*
- *Customization Guide*
- *Operator's Guide.*

These books are primarily for system programmers, system administrators, and technical support personnel. Some of them also contain information for system or terminal operators.

### **Installation and Operations Guide**

There are two versions of this book:

SC33-0070 for CICS/DOS/VS  
SC33-0071 for CICS/OS/VS.

This book leads you through the complete installation task, from receiving the distribution tape with CICS on it, to having an operational CICS system. It also describes various aspects of running CICS, such as starting and stopping execution, and general operating procedures.

It also contains information on applying CICS service.

### **Resource Definition Guide (SC33-0149)**

This book describes how to define the characteristics of your data processing resources to your CICS system. These resources are real and virtual storage, networks, terminals, data bases, files, queues, programs, and transactions.

## Customization Guide (SC33-0131)

This book helps you customize your CICS system to your specific requirements. It tells you how to:

- Generate CICS modules
- Write recovery and restart routines, including a terminal error program (TEP) and a node error program (NEP)
- Use specialized journal functions
- Support specialized devices and telecommunications access methods
- Write user-exit code
- Use specialist file operations.

## Operator's Guide (SC33-0080)

This is for CICS terminal operators and for people who prepare procedures for them. It describes how to use the various transactions available to the terminal operator, for doing such things as examining or changing status, obtaining statistics, or switching messages.

## Application Programming Category

The books in the "application programming" category are:

- *Application Programming Primer*
- *Application Programmer's Reference Manual (Command Level)*
- *Application Programmer's Reference Summary (Command Level)*
- *Application Programmer's Reference Manual (RPGII)*
- *Application Programmer's Reference Manual (Macro Level)*
- *VS COBOL II for CICS Users.*

These books are for application programmers (but the *VS COBOL II for CICS Users* book has a much wider audience, because it's a cross-task book).

## Application Programming Primer (SC33-0139)

As its name suggests, this book is primarily for application programmers who are new to CICS, but any new system programmer should learn much by reading it. You should have some knowledge of programming in a batch environment.

The book has two aims:

- To tell you enough to be able to design, code, and test your first CICS application programs
- To introduce you to the CICS books you'll need later.

The book describes a subset of the full CICS product. It illustrates CICS facilities and useful techniques by a realistic example coded in COBOL.

### **Application Programmer's Reference Manual (Command Level) (SC33-0077)**

This book is for assembler, COBOL, and PL/I application designers and programmers. It contains both introductory and reference material on the commands you code to use each of the CICS functions. You should have a general knowledge of CICS and of the programming language you'll be using.

The *Application Programming Primer* will give you a good introduction to CICS application programming, if you need one, before using this book.

### **Application Programmer's Reference Summary (Command Level) (GX33-6012)**

This is a pocket-sized summary of the commands and some other information from the *Application Programmer's Reference Manual (Command Level)*.

### **Application Programmer's Reference Manual (RPGII) (SC33-0085)**

This book is similar to the *Application Programmer's Reference Manual (Command Level)*, but is issued as a separate publication because the command format for RPGII is very different from that for PL/I, COBOL, or assembler language. RPGII is supported only by CICS/DOS/VS.

The manual doesn't reflect application programming function introduced after CICS 1.5, because the RPGII translator function has been stabilized at the CICS/DOS/VS Version 1 Release 5 level.

### **Application Programmer's Reference Manual (Macro Level) (SC33-0079)**

This book is for application programmers who are maintaining programs written to the old CICS macro-level interface in assembler, COBOL, or PL/I.

For new programs, you should be using the *Application Programmer's Reference Manual (Command Level)*.

### **VS COBOL II for CICS Users (SC33-0203)**

This book helps system administrators decide whether to use VS COBOL II under CICS/OS/VS. It also provides enough detailed information to enable application programmers and systems designers to understand what benefits VS COBOL II offers under CICS, and what they must do to realize those benefits.

This book is not a substitute for the VS COBOL II library. It summarizes the changes to the CICS/COBOL interface, and the new VS COBOL II features that you can use with CICS.

The book gives information across all tasks, and serves as an update to all CICS 1.6 or 1.6.1 books affected by VS COBOL II.

## Program Service Category

The books in the “program service” category are:

- *Problem Determination Guide*
- *Program Debugging Reference Summary*
- *Data Areas*
- *Diagnosis Reference*.

These books help you to diagnose problems that might be either user errors or problems in the CICS product. They are for system programmers, program support representatives, and IBM Support Center personnel.

### Problem Determination Guide (SC33-0089)

This book describes methods of diagnosing and resolving problems that may arise in a running CICS system. The subjects covered include:

- CICS trace and dump facilities
- How to debug various types of problems
- A review of relevant CICS functional areas
- CICS interfaces
- Documentation needed when submitting an APAR
- A list of common errors.

### Program Debugging Reference Summary (SX33-6010)

This is a pocket-sized summary of information extracted from the *Problem Determination Guide*, *Messages and Codes* manual, and the *Data Areas* book. It includes:

- Trace table entries
- A summary of transaction abend codes
- Selected storage areas
- The EXEC interface block.

### Data Areas

There are two versions of this manual:

LY33-6033 for CICS/DOS/VS  
LY33-6035 for CICS/OS/VS.

The book defines the layout and contents of the control tables and principal data areas used by the CICS system.

### Diagnosis Reference (LC33-0105)

This book, in conjunction with the CICS source program listings, helps you to understand the inner workings of CICS. It should help you identify possible causes of a failure in a CICS program. It includes:

- An introduction to the logic of each CICS functional area
- Organization charts and a module directory table
- A list of CICS source modules.



## The Library for CICS/OS/VS 1.6.1

Figure 4 shows the library for CICS/OS/VS Version 1 Release 6 Modification 1.

The *Release Guide* (GC33-0171), presents an overview of the changes in the release and highlights specific changes. **It complements, rather than replaces, the *Release Guide* for 1.6. You should use both guides.**

Four publications replace the equivalent publications in the CICS 1.6 library. These are:

- *Installation and Operations Guide* (SC33-0172)
- *Messages and Codes* (SC33-0173)
- *Data Areas* (LC33-0174)
- *Program Product Specifications* (GC33-0178).

The books above have purple covers to distinguish them from the equivalent 1.6 books. One other book applies only to 1.6.1, but there's no equivalent 1.6 book, so it has a green cover. It is

- *Performance Data* (SC33-0212).

Four other books apply to both CICS 1.6.1 and CICS 1.6. They are:

- *Resource Definition Guide* (SC33-0149)
- *Application Programming Primer* (SC33-0139)
- *Performance Guide* (SC33-0134)
- *VS COBOL II for CICS Users* (SC33-0203).

To complete your CICS 1.6.1 library, you'll need the remaining books in the CICS/OS/VS Version 1 Release 6 library. Before using any of these 1.6 books, until you're thoroughly familiar with 1.6.1, you should **always** check the 1.6.1 *Release Guide* or *Data Areas* for any changes to the information contained in them.

We've included new and changed information for the *Diagnosis Reference* manual and the *Problem Determination Guide* in the 1.6.1 *Data Areas* manual. For other books you'll find the information in the 1.6.1 *Release Guide*.

Since initial release of 1.6.1, we've revised the *Release Guide* to document transaction routing under intersystem communication and we've issued technical newsletters (TNLs) to the 1.6.1 *Release Guide*, *Messages and Codes*, and *Data Areas* to describe CICS disk journaling. Make sure that you have the updated manuals if you're using these functions.

## General

General Information  
GC33-0155

Library Guide  
GC33-0356

Release Guide (1.6.1)  
GC33-0171

Release Guide (1.6)  
GC33-0132

Messages and Codes  
(1.6.1)  
SC33-0173

Master Index (1.6)  
SC33-0095

## Planning

System/Application  
Design Guide  
SC33-0068

Intercommunication  
Facilities Guide  
SC33-0133

Recovery and Restart Guide  
SC33-0135

Performance Guide  
SC33-0134

Performance Data  
SC33-0212

3270/8775 Guide  
SC33-0096

3650/3680 Guide  
SC33-0073

3767/3770/6670 Guide  
SC33-0074

3790/3730/8100 Guide  
SC33-0075

4700/3600/3630 Guide  
SC33-0072

## Administration

Installation and  
Operations Guide (1.6.1)  
SC33-0172

Resource Definition  
Guide  
SC33-0149

Customization Guide  
SC33-0131

Operator's Guide  
SC33-0080

## Programming

Application Programming  
Primer  
SC33-0139

Application Programmer's  
Reference Manual  
(Command Level)  
SC33-0077

Application Programmer's  
Reference Summary  
(Command Level)  
GX33-6012

Application Programmer's  
Reference Manual  
(Macro Level)  
SC33-0079

VS COBOL II  
for CICS Users  
SC33-0203

## Service

Problem Determination  
Guide  
SC33-0089

Program Debugging  
Reference Summary  
SX33-6010

Data Areas (1.6.1)  
LC33-0174

Diagnosis Reference  
LC33-0105

Figure 4. The Library for CICS/OS/VS 1.6.1

## Binders for CICS 1.6 and 1.6.1 Books

We've color-coded the tear-out title labels provided at the back of the CICS books to identify the category of information they contain. These labels go into the spine and front cover of standard 3-ring IBM binders with half-page plastic pockets.

The order numbers for these binders are:

- 1.0 inch thick : SR30-0329
- 1.5 inch thick : SR30-0330
- 2.0 inch thick : SR30-0331
- 2.0 inch thick : SR30-0327 (can be stood on a desk).

The following table tells you how many binders you would need for the complete library at each release level. The lower figures assume putting some of the smaller books together in one binder, while the higher figures assume one book per binder.

Release	1.0 inch	1.5 inch	Total
CICS/DOS/VS 1.6	14-22	3	17-25
CICS/OS/VS 1.6	13-21	3	16-24
CICS/OS/VS 1.6.1	15-22	4	19-26
All three releases	18-27	6	24-33

### Where now?

If you want to know the full order numbers of the books (including the revision level), look at Chapter 4, "Summary of Books for Each CICS Release" on page 29.



## Chapter 4. Summary of Books for Each CICS Release

### Summary

In this chapter we list the full order numbers of the books for all the CICS releases for which we provide central programming service.

We have one list for CICS/OS/VS, followed by another for CICS/DOS/VS.

In the lists, we use abbreviations for the book titles. They are the same ones used in the relevant *Master Index* (if the book is included in that index).<sup>2</sup>

The titles listed in Figure 5 on page 30 don't include the product name (CICS/OS/VS, CICS/DOS/VS, or CICS/VS) or the release numbers.

---

<sup>2</sup> Except that the CICS/DOS/VS 1.4.1 Master Index used the abbreviation GIM for the *General Information* manual.

Abbreviation	Book Title
APP	Application Programming Primer
APRM(C)	Application Programmer's Reference Manual (Command Level)
APRM(M)	Application Programmer's Reference Manual (Macro Level)
APRM(R)	Application Programmer's Reference Manual (RPGII)
APRS(C)	Application Programmer's Reference Summary (Command Level)
CG	Customization Guide
COB	VS COBOL II for CICS Users
CST	CICS-Supplied Transactions
DA	(From 1.5) Data Areas (For 1.4.1) Program Logic: Data Areas
DR	Diagnosis Reference
ELSUG	Entry Level System User's Guide
FPG	Facilities and Planning Guide
GI	General Information
IFG	Intercommunication Facilities Guide
IOG	Installation and Operations Guide
IPL	Introduction to Program Logic
LG	Library Guide
MC	Messages and Codes
MI	Master Index
MTORS	Master Terminal Operator's Reference Summary
OG	Operator's Guide
PDG	Problem Determination Guide
PDRS	Program Debugging Reference Summary
PFD	Performance Data
PG	Performance Guide
PLD	Program Logic: Description
PPS	Program Product Specifications
RDG	Resource Definition Guide
RD(M)	Resource Definition (Macro)
RD(O)	Resource Definition (Online)
RG	Release Guide
RRG	Recovery and Restart Guide
SADG	System/Application Design Guide
SPG	System Programmer's Guide
SPRM	System Programmer's Reference Manual
3270G	(For 1.7) IBM 3270 Data Stream Device Guide (For 1.6) IBM 3270/8775 Guide (For 1.5) IBM 3270 Guide
3600G	IBM 3600/3630 Guide
3650G	(From 1.5) IBM 3650/3680 Guide (For 1.4.1) IBM 3650 Guide
3767G	IBM 3767/3770/6670 Guide
3790G	(From 1.6) IBM 3790/3730/8100 Guide (For 1.5) IBM 3790/3730 Guide (For 1.4.1) IBM 3790 Guide
4700G	IBM 4700/3600/3630 Guide

Figure 5. Abbreviations for CICS Book Titles

## Summary of CICS/OS/VS Books by Release

The following tables show the books applicable for releases 1.7, 1.6.1, 1.6, and 1.5 of CICS/OS/VS. (These are the only CICS/OS/VS releases for which, at the time of publication, IBM provides central programming service.)

For each book, the first entry in each column is the full order number as shown on the cover of the book. If the book has been reissued for a later release (with the same order number but an updated revision number), you'll find underneath this number the temporary order number by which you can continue to order this level of the book.

See Appendix A, "Order Numbers for IBM Publications" on page 39 for an explanation of IBM's order-numbering scheme.

Publication	1.7	1.6.1	1.6	1.5
GI	GC33-0155-2	GC33-0155-1 GT33-0155-0	GC33-0155-1 GT33-0155-0	GC33-0066-5
RG	GC33-0132-2	GC33-0171-1 (but see also 1.6 RG)	GC33-0132-1 GT33-0132-0	
MC	SC33-0226-0	SC33-0173-0	SC33-0081-3	SC33-0081-2 ST00-0694-0
LG	GC33-0356-0	GC33-0356-0	GC33-0356-0	
MI	SC33-0227-0	Not issued	SC33-0095-4	SC33-0095-2 ST00-0951-0
PPS	GC33-0087-5	GC33-0178-0	GC33-0087-4 GT00-1716-0	GC33-0087-3 GT00-0972-0

Figure 6. Books for Supported CICS/OS/VS Releases - General Category

Publication	1.7	1.6.1	1.6	1.5
FPG	SC33-0202-0			
SADG	Discontinued (See FPG)	SC33-0068-2	SC33-0068-2	SC33-0068-2
IFG	SC33-0230-0	SC33-0133-1	SC33-0133-1	
RRG	SC33-0231-0	SC33-0135-1	SC33-0135-1	See SPRM
PG	SC33-0229-0	SC33-0134-1	SC33-0134-1	See SPG
PFD	SC33-0212-1	SC33-0212-0 ST33-0212-0	Not issued	See SPRM
3270G	SC33-0232-0	SC33-0096-1	SC33-0096-1	SC33-0096-0 ST33-0096-0
3600G	See 4700G	See 4700G	See 4700G	SC33-0072-1 SQ33-0072-0
3650G	SC33-0234-0	SC33-0073-2	SC33-0073-2	SC33-0073-2
3767G	SC33-0235-0	SC33-0074-2	SC33-0074-2	SC33-0074-2
3790G	SC33-0236-0	SC33-0075-4	SC33-0075-4	SC33-0075-3 ST00-0950-0
4700G	SC33-0233-0	SC33-0072-2	SC33-0072-2	See 3600G

Figure 7. Books for Supported CICS/OS/VS Releases - System Planning Category



Publication	1.7	1.6.1	1.6	1.5
IOG	SC33-0071-5	SC33-0172-0	SC33-0071-4 ST00-1717-0	See SPG
RD(O)	SC33-0186-0	See RDG	See RDG	
RD(M)	SC33-0237-0	See RDG	See RDG	See SPRM
RDG	See RD(O) and RD(M)	SC33-0149-2	SC33-0149-2	See SPRM
CG	SC33-0239-0	SC33-0131-1	SC33-0131-1	See SPRM
CST	SC33-0240-0	See OG	See OG	See OG
OG	See CST	SC33-0080-3	SC33-0080-3	SC33-0080-2 ST00-0693-0
MTORS	Discontinued	Discontinued	Discontinued	SX33-6011-3
SPG	See IOG and PG	See IOG and PG	See IOG and PG	SC33-0071-2 ST00-0949-0
SPRM	See RD(M), CG, RRG, and PFD	See RDG, CG, RRG, and PFD	See RDG, CG, RRG, and PFD	SC33-0069-4

Figure 8. Books for Supported CICS/OS/VSE Releases - System Administration Category

Publication	1.7	1.6.1	1.6	1.5
APP	SC33-0139-0	SC33-0139-0	SC33-0139-0	
APRM(C)	SC33-0241-0	SC33-0077-4	SC33-0077-4	SC33-0077-3 ST00-0841-0
APRS(C)	GX33-6047-0	GX33-6012-4	GX33-6012-4	GX33-6012-3 GT00-0697-0
APRM(M)	SC33-0079-4	SC33-0079-3 ST00-1070-0	SC33-0079-3 ST00-1070-0	SC33-0079-2 ST00-0692-0
COB	See APRM(C), IOG, CG, and PG	SC33-0203-0	SC33-0203-0	

Figure 9. Books for Supported CICS/OS/VSE Releases - Application Programming Category

<b>Publication</b>	<b>1.7</b>	<b>1.6.1</b>	<b>1.6</b>	<b>1.5</b>
PDG	SC33-0242-0	SC33-0089-2	SC33-0089-2	SC33-0089-1 SQ33-0089-0
PDRS	SX33-6048-0	SX33-6010-4	SX33-6010-4	SX33-6010-3 ST00-0695-0
DA	LY33-6035-3	LC33-0174-0	LY33-6035-2 LT00-1718-0	LY33-6035-1 LQ73-6035-0
DR	LC33-0243-0	LC33-0105-1	LC33-0105-1	LC33-0105-0 LT33-0105-0

**Figure 10.** Books for Supported CICS/OS/VS Releases - Program Service Category

## Summary of CICS/DOS/VS Books by Release

The following tables show the books applicable for releases 1.6, 1.5, and 1.4.1 of CICS/DOS/VS. (These are the only CICS/DOS/VS releases for which, at the time of publication, IBM provides central programming service.)

For each book, the first entry in each column is the full order number as shown on the cover of the book. If the book has been reissued for a later release (with the same order number but an updated revision number), you'll find underneath this number the **temporary order number** by which you can continue to order **this** level of the book.

See Appendix A, "Order Numbers for IBM Publications" on page 39 for an explanation of IBM's order-numbering scheme.

Publication	1.6	1.5	1.4.1
GI	GC33-0155-2	GC33-0066-5	GC33-0066-3 GT00-0515-0
RG	GC33-0130-1		
MC	SC33-0081-3	SC33-0081-2 ST00-0694-0	SC33-0081-1 SQ33-0081-0
LG	GC33-0356-0		
MI	SC33-0095-4	SC33-0095-2 ST00-0951-0	SC33-0095-0 SQ33-0095-0
ELSUG	Discontinued	SC33-0086-1	SC33-0086-0 ST33-0086-0
PPS	GC33-0084-4	GC33-0084-3 GQ33-0084-0	GC33-0084-2 GT33-0084-0

Figure 11. Books for Supported CICS/DOS/VS Releases - General Category

Publication	1.6	1.5	1.4.1
SADG	SC33-0068-2	SC33-0068-2	SC33-0068-1 SQ33-0068-0
IFG	SC33-0133-1		
RRG	SC33-0135-1	See SPRM	See SPRM
PG	SC33-0134-1	See SPG	See SPG
PFD	SC33-0219-0	See SPRM	See SPRM
3270G	SC33-0096-1	SC33-0096-0 ST33-0096-0	
3600G	See 4700G	SC33-0072-1 SQ33-0072-0	SC33-0072-1 SQ33-0072-0
3650G	SC33-0073-2	SC33-0073-2	SC33-0073-1 SQ33-0073-0
3767G	SC33-0074-2	SC33-0074-2	SC33-0074-1 SQ33-0074-0
3790G	SC33-0075-4	SC33-0075-3 ST00-0950-0	SC33-0075-2 SQ33-0075-0
4700G	SC33-0072-2	See 3600G	See 3600G

Figure 12. Books for Supported CICS/DOS/VS Releases - System Planning Category

Publication	1.6	1.5	1.4.1
IOG	SC33-0070-5	See SPG	See SPG
RDG	SC33-0149-2	See SPRM	See SPRM
CG	SC33-0131-1	See SPRM	See SPRM
OG	SC33-0080-3	SC33-0080-2 ST00-0693-0	SC33-0080-1 SQ33-0080-0
MTORS	Discontinued	SX33-6011-3	SX33-6011-2 ST00-0587-0
SPG	See IOG and PG	SC33-0070-4 ST00-0840-0	SC33-0070-2 SQ33-0070-0
SPRM	See RDG, CG, RRG, and PFD	SC33-0069-4	SC33-0069-2 SQ33-0069-0

Figure 13. Books for Supported CICS/DOS/VS Releases - System Administration Category

Publication	1.6	1.5	1.4.1
APP	SC33-0139-0		
APRM(C)	SC33-0077-4	SC33-0077-3 ST00-0841-0	SC33-0077-1 SQ33-0077-0
APRS(C)	GX33-6012-4	GX33-6012-3 GT00-0697-0	GX33-6012-2 GT00-0585-0
APRM(R)	SC33-0085-2	SC33-0085-1 SQ33-0085-0	SC33-0085-0 ST33-0085-0
APRM(M)	SC33-0079-4	SC33-0079-2 ST00-0692-0	SC33-0079-1 SQ33-0079-0

Figure 14. Books for Supported CICS/DOS/VS Releases - Application Programming Category

<b>Publication</b>	<b>1.6</b>	<b>1.5</b>	<b>1.4.1</b>
PDG	SC33-0089-2	SC33-0089-1 SQ33-0089-0	SC33-0089-0 ST33-0089-0
PDRS	SX33-6010-4	SX33-6010-3 ST00-0695-0	SX33-6010-2 ST33-0601-0
DA	LY33-6033-2	LY33-6033-1 LQ73-6033-0	LY33-6033-0 LT73-6033-0
DR	LC33-0105-1	LC33-0105-0 LT33-0105-0	See IPL and PLD
IPL	See DR	See DR	SC33-0067-1
PLD	See DR	See DR	LY33-6032-0

**Figure 15. Books for Supported CICS/DOS/VS Releases - Program Service Category**

## Appendix A. Order Numbers for IBM Publications

Order numbers of IBM publications have the format **apmm-nnnn-s**.

where:

**a** Use key: indicates the publication's availability class.

The use keys and their meanings are:

**G** Generally available: provided to users of IBM systems, products, and services without charge, in quantities to meet their normal requirements. Can also be purchased by anyone through IBM branch offices.

**S** Sold: can be purchased by anyone through IBM branch offices.

**L** Licensed material, property of IBM: available only to licensees of the related program product under the terms of the license agreement.

**pmm** Prefix: indicates the format of the publication and the originating location.

**p** Format: those used for CICS are:

C or Y for standard publications

X for reference summaries

N for technical newsletters (TNLs).

T or Q for temporary order numbers. (These numbers are for ordering back level books and don't appear on the book.)

**mm** Location identification:

For CICS, this is 33 (denoting the IBM UK Laboratories at Hursley).

**nnnn** Base number: together with the prefix, identifies the publication (or TNL).

**s (or ss)** Suffix (or revision level): indicates the level of the book.

We update this whenever we issue a revision of the book, for example for a new release of CICS. Don't use this suffix when ordering publications — you'll simply be sent the latest level of the publication. To get a back level book, you have to quote the **temporary order number**. These temporary order numbers for CICS books are listed in Chapter 4, "Summary of Books for Each CICS Release" on page 29.





# Index

## A

- abbreviations for books 29
- APP
  - See Application Programming Primer
- Application Programmer's Reference Manual (Command Level)
  - Release 1.4.1 37
  - Release 1.5 33, 37
  - Release 1.6 23, 33, 37
  - Release 1.7 11, 33
- Application Programmer's Reference Manual (Macro Level)
  - Release 1.4.1 37
  - Release 1.5 33, 37
  - Release 1.6 23, 33, 37
  - Release 1.7 12, 33
- Application Programmer's Reference Manual (RPGII)
  - Release 1.4.1 37
  - Release 1.5 37
  - Release 1.6 23, 37
- Application Programmer's Reference Summary (Command Level)
  - Release 1.4.1 37
  - Release 1.5 33, 37
  - Release 1.6 23, 33, 37
  - Release 1.7 12, 33
- application programming category 3
  - Release 1.6 22
  - Release 1.7 11
- Application Programming Primer
  - Release 1.7 11, 33
  - Releases 1.6 and 1.6.1 22, 25, 33, 37
- application programming task 2
- APRM(C)
  - See Application Programmer's Reference Manual (Command Level)
- APRM(M)
  - See Application Programmer's Reference Manual (Macro Level)
- APRM(R)
  - See Application Programmer's Reference Manual (RPGII)
- APRS(C)
  - See Application Programmer's Reference Summary (Command Level)

## B

- binders
  - Release 1.7 14
  - Releases 1.6 and 1.6.1 27

## C

- categories of book 3
- CG
  - See Customization Guide
- CICS-Supplied Transactions
  - Release 1.7 5, 11, 33
- COB
  - See VS COBOL II for CICS Users
- COBOL II
  - See VS COBOL II for CICS Users
- color-coding 3
- CST
  - See CICS-Supplied Transactions
- Customization Guide
  - Release 1.6 22, 33, 37
  - Release 1.7 10, 33
- customization task 2

## D

- DA
  - See Data Areas
- Data Areas
  - Release 1.4.1 38
  - Release 1.5 34, 38
  - Release 1.6 24, 34, 38
  - Release 1.6.1 25, 34
  - Release 1.7 13, 34
- Diagnosis Reference
  - Release 1.5 34, 38
  - Release 1.6 24, 25, 34, 38
  - Release 1.7 13, 34
- disk journalling 25
- DR
  - See Diagnosis Reference

## E

- ELSUG
  - See Entry Level System User's Guide
- Entry Level System User's Guide
  - Release 1.4.1 36
  - Release 1.5 36
- evaluation task 1

**F**

Facilities and Planning Guide

Release 1.7 5, 8, 32

FPG

See Facilities and Planning Guide

**G**

general category 3

Release 1.6 18

Release 1.7 7

General Information

Release 1.4.1 36

Release 1.5 32, 36

Release 1.6 18, 32, 36

Release 1.7 7, 32

GI

See General Information

**I**

IBM 3270 Data Stream Device Guide

Release 1.7 9, 32

IBM 3270 Guide

Release 1.5 32, 36

IBM 3270/8775 Guide

Release 1.6 20, 32, 36

IBM 3600/3630 Guide

Release 1.4.1 36

Release 1.5 32, 36

IBM 3650 Guide

Release 1.4.1 36

IBM 3650/3680 Guide

Release 1.5 32, 36

Release 1.6 20, 32, 36

Release 1.7 9, 32

IBM 3767/3770/6670 Guide

Release 1.4.1 36

Release 1.5 32, 36

Release 1.6 20, 32, 36

Release 1.7 9, 32

IBM 3790 Guide

Release 1.4.1 36

IBM 3790/3730 Guide

Release 1.5 32, 36

IBM 3790/3730/8100 Guide

Release 1.6 21, 32, 36

Release 1.7 9, 32

IBM 4700/3600/3630 Guide

Release 1.6 21, 32, 36

Release 1.7 9, 32

IFG

See Intercommunication Facilities Guide

index to books

See Master Index

Installation and Operations Guide

Release 1.6 21, 33, 37

Release 1.6.1 25, 33

Release 1.7 10, 33

installation task 2

Intercommunication Facilities Guide

Release 1.6 19, 32, 36

Release 1.7 8, 32

Introduction to Program Logic

Release 1.4.1 38

IOG

See Installation and Operations Guide

IPL

See Introduction to Program Logic

**L**

LG

See Library Guide

Library Guide

Release 1.6 18, 32, 36

Release 1.7 7, 32

**M**

Master Index

Release 1.4.1 36

Release 1.5 32, 36

Release 1.6 18, 32, 36

Release 1.7 7, 32

Master Terminal Operator's Reference Summary

Release 1.4.1 37

Release 1.5 33, 37

MC

See Messages and Codes

Messages and Codes

Release 1.4.1 36

Release 1.5 32, 36

Release 1.6 18, 32, 36

Release 1.6.1 25, 32

Release 1.7 7, 32

MI

See Master Index

MTORS

See Master Terminal Operator's Reference Summary

**O**

OG

See Operator's Guide

operation task 2

Operator's Guide

Release 1.4.1 37

Release 1.5 33, 37  
Release 1.6 22, 33, 37  
Release 1.7 5  
order numbering 39

**P**

**PDG**  
See Problem Determination Guide

**PDRS**  
See Program Debugging Reference Summary

**Performance Data**  
Release 1.6 (DOS) 20, 36  
Release 1.6.1 25, 32  
Release 1.7 9, 32

**Performance Guide**  
Release 1.7 9, 32  
Releases 1.6 and 1.6.1 20, 25, 32, 36

**PFD**  
See Performance Data

**PG**  
See Performance Guide

planning task 1

**PLD**  
See Program Logic: Description

**PLM**  
See Program Logic: Description

**PPS**  
See Program Product Specifications

primer  
See Application Programming Primer

**Problem Determination Guide**  
Release 1.4.1 38  
Release 1.5 34, 38  
Release 1.6 24, 25, 34, 38  
Release 1.7 12, 34

**Program Debugging Reference Summary**  
Release 1.4.1 38  
Release 1.5 34, 38  
Release 1.6 24, 34, 38  
Release 1.7 12, 34

**Program Logic: Data Areas**  
Release 1.4.1

**Program Logic: Description**  
Release 1.4.1 38

**Program Product Specifications**  
Release 1.4.1 36  
Release 1.5 32, 36  
Release 1.6 19, 32, 36  
Release 1.6.1 25, 32  
Release 1.7 8, 32

program service category 3  
Release 1.6 24  
Release 1.7 12

program service task 2

**R**

**RD(M)**  
See Resource Definition (Macro)

**RD(O)**  
See Resource Definition (Online)

**RDG**  
See Resource Definition Guide

**Recovery and Restart Guide**  
Release 1.6 20, 32, 36  
Release 1.7 8, 32

**Release Guide**  
Release 1.6 18, 32, 36  
Release 1.6.1 25, 32  
Release 1.7 7, 32

release of CICS  
Release 1.4.1 36  
Release 1.5 32, 36  
Release 1.6 15  
Release 1.6.1 25  
Release 1.7 5

**Resource Definition (Macro)**  
Release 1.7 10, 33

**Resource Definition (Online)**  
Release 1.7 10, 33

**Resource Definition Guide**  
Releases 1.6 and 1.6.1 21, 25, 33, 37

resource definition task 2

revision level 39

**RG**  
See Release Guide

**RPGII**  
See Application Programmer's Reference Manual (RPGII)

**RRG**  
See Recovery and Restart Guide

**S**

**SADG**  
See System/Application Design Guide

**SPG**  
See System Programmer's Guide

**SPRM**  
See System Programmer's Reference Manual

suffix 39

system administration category 3  
Release 1.6 21  
Release 1.7 10

system planning category 3  
Release 1.6 19  
Release 1.7 8

**System Programmer's Guide**  
Release 1.4.1 37  
Release 1.5 33, 37

**System Programmer's Reference Manual**  
Release 1.4.1 37  
Release 1.5 33, 37

System/Application Design Guide

Release 1.4.1 36  
Release 1.5 32, 36  
Release 1.6 19, 32, 36  
Release 1.7 5

T

task-orientation 1  
tasks 1  
temporary order number 31, 35, 39  
transaction routing (under ISC) 5, 25

U

use key 39  
user tasks 1

V

VS COBOL II 5  
VS COBOL II for CICS Users 25, 33  
Releases 1.6 and 1.6.1 23

Numerics

3270G  
See IBM 3270 Data Stream Device Guide  
3600G  
See IBM 3600/3630 Guide  
3650G  
See IBM 3650/3680 Guide  
3767G  
See IBM 3767/3770/6670 Guide  
3790G  
See IBM 3790/3730/8100 Guide  
4700G  
See IBM 4700/3600/3630 Guide

Customer Information Control System  
(CICS/VS) Version 1 Release 7  
Library Guide

READER'S  
COMMENT  
FORM

Order No. GC33-0356-0

This manual is part of a library that serves as a reference source for systems analysts, programmers, and operators of IBM systems. You may use this form to communicate your comments about this publication, its organization, or subject matter, with the understanding that IBM may use or distribute whatever information you supply in any way it believes appropriate without incurring any obligation to you. Your comments will be sent to the author's department for whatever review and action, if any, are deemed appropriate.

**Note:** *Copies of IBM publications are not stocked at the location to which this form is addressed. Please direct any requests for copies of publications, or for assistance in using your IBM system, to your IBM representative or to the IBM branch office serving your locality.*

Number of your latest Technical Newsletter for this publication . . .

Note: Staples can cause problems with automated mail-sorting equipment.  
Please use pressure-sensitive or other gummed tape to seal this form.

If you want an acknowledgement, give your name and address below.

Name .....

Job Title ..... Company .....

Address .....

..... Zip .....

Thank you for your cooperation. No postage stamp necessary if mailed in the U.S.A. (Elsewhere, an IBM office or representative will be happy to forward your comments or you may mail directly to the address in the Edition Notice on the back of the title page.)

**Reader's Comment Form**

Fold and tape

Please Do Not Staple

Fold and tape

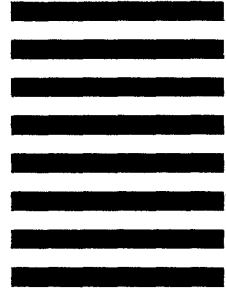


NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

**BUSINESS REPLY MAIL**  
FIRST CLASS PERMIT NO. 40 ARMONK, N.Y.

POSTAGE WILL BE PAID BY ADDRESSEE:

International Business Machines Corporation  
Department 6R1H,  
180 Kost Road,  
Mechanicsburg, PA 17055, USA



Fold and tape

Please Do Not Staple

Fold and tape

