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Re: Order No.	GA22-6822.1
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Date	June, 197

Accumulative Index of Publications and Programs–IBM System/360 and System/37

Section 1: Order numbers of publications included in the System/360 System/370 Systems Reference Library are listed below, with the edition suffix of all current editions shown. Any Technical Newsletter applying to a later edition also applies to all prior editions but is only listed once. If the changes released in Technical Newsletters are inserted in their proper place, each current edition will correspond to any of the others

- * When more than one edition of a publication is current, the order number is followed by *
- # These items are for World Trade use only; not available in U.S.A.
- ( ) Changes since the last edition of the Newsletter are in parenthesis
- † A dagger precedes any order number that is on microfiche.

The order number consists of eight characters. The first character is the use key, which identifies the conditions under which the item is available. Categories are: G - Available to users without charge through their IBM representative; L - Licensed Material, Property of IBM and available only to licensees for the IBM Program Product; S - For sale through IBM branch offices. The last seven characters are the form number.

SUBJ CODE	ORDER NUMBER	TECHNICAL NEWSLETTER		TITLE
00	**GENERAL INFORMATION**			
	GA22-6822-16	GN20-0360.75		System/360 and System/370 Bibliography
	GA24-3089-6	GN20-1001.50		SRL Bibliography Supplement - Teleprocessing and Data Collection
	GF20-8172-6	GN20-1002.29		Bibliography of Data Processing Techniques
	GA22-6810-10	GN22-0344	GN22-0346	System/360 System Summary
		GN22-0349	GN22-0347	
	GA22-7001-0	GN22-0385	GN22-0375	System/370 System Summary
	GA24-3511-4			System/360 Model 25 Configurator
	GA24-3232-3			System/360 Model 30 Configurator
	GA22-6813-4			System/360 Model 40 Configurator
	GA22-6874-1			System/360 Model 44 Configurator
	GA22-6814-4			System/360 Model 50 Configurator
	GA22-6887-5			System/360 Model 65 Configurator
	GA27-2713-3			System/360 Model 67 Configurator
	GA22-6888-3			System/360 Model 75 Configurator
	GA22-6920-3			System/360 Model 85 Configurator
	GA33-3006-1			System/370 Model 135 Configurator
	GA22-6957-0			IBM System/370 Model 155 Configurator
	GA22-6956-0			IBM System/370 Model 165 Configurator
	GA22-6944-2			System/360 Model 195 Configurator
	GA22-6872-1			1827 Data Control Unit Configurator
	GA22-6823-9			System/360 Input/Output Configurator
	GA22-7002-1			System/370 Input/Output Configurator
01	**MACHINE SYSTEM**			
	GA22-6821-2*	GN22-0207		System/360 Principles of Operation
	GA22-6821-3*	GN22-0231	GN22-0232	
	GA22-6821-4*	GN22-0236	GN22-0250	
	GA22-6821-5*	GN22-0244		
	GA22-6821-6*	GN22-0282		
	GA22-6821-7*	GN22-0361	GN22-0354	
	GA22-6821-8*			

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Requests for copies of the publications listed herein or for changes to the System Library Subscription Service (SL/SS) should be directed to your IBM representative or the IBM Branch Office serving your locality.

PRINTED IN U.S.A.

GA22-7000-1			System/370 Principles of Operation
GA24-3572-0			System/360 Model 22 Functional Characteristics
GA24-3510-1	GN24-0425		System/360 Model 25 Functional Characteristics
GA24-3538-0			System/360 Model 25 Channel Characteristics and Functional Evaluation
GA24-3523-2			System/360 Model 25 Operating Procedures
GA24-3231-1*	GN24-0365		System/360 Model 30 Functional Characteristics
GA24-3231-2*	GN24-0394		
GA24-3231-3*	GN24-0405		
GA24-3231-4*	GN24-0414		
GA24-3231-5*	GN24-0435	GN24-0431	
GA24-3231-6*			
GA24-3411-2			System/360 Model 30 Channel Characteristics and Functional Evaluation
GA24-3373-1*	GN24-0390		System/360 Model 30 Operator's Guide
GA24-3373-2*	GN24-0432		
GA24-3373-3*			
GA22-6881-2*	GN22-0297	GN22-0308	System/360 Model 40 Functional Characteristics
	GN22-0311	GN22-0335	
	GN22-0356		
GA22-6881-3*			
GA22-6911-1			System/360 Model 40 Operating Procedures
GA22-6875-6			System/360 Model 44 Functional Characteristics
GA22-6910-0			System/360 Model 44 Operating Procedures
GA22-6898-1*	GN20-0277	GN22-0292	System/360 Model 50 Functional Characteristics
	GN22-0299	GN22-0309	
	GN22-0322		
GA22-6898-2*	GN22-0330		
GA22-6908-2			System/360 Model 50 Operating Procedures
GA22-6884-4			System/360 Model 65 Functional Characteristics
GA27-2728-0*	GN27-2921	GN27-2927	System/360 Model 65 Operating Procedures
GA27-2728-1*			
GA27-2719-1	GN27-2940	GN27-2944	System/360 Model 67 Functional Characteristics
GA22-6889-2	GN27-2931		System/360 Model 75 Functional Characteristics
GA22-6909-0			System/360 Model 75 Operating Procedures
GA22-6916-1	GN22-0326	GN22-0325	System/360 Model 85 Functional Characteristics
GA22-6927-1			System/360 Model 85 Operating Procedures
GA22-6907-2	GN22-0300		System/360 Model 91 Functional Characteristics
GA22-6943-1			System/360 Model 195 Functional Characteristics
GA22-6954-0			System/360 Model 195 Operating Procedures
GA33-3005-1			System/370 Model 135 Functional Characteristics
GA24-3554-0			System/370 Model 145 Operating Procedures
GA24-3557-1			System/370 Model 145 Functional Characteristics
GA22-6942-1			System/370 Model 155 Functional Characteristics
GA22-6962-1	GN22-0376		System/370 Model 155 Channel Characteristics
(GA22-6966-0			System/370 Model 155 Operating Procedures)
GA22-6935-0			System/370 Model 165 Functional Characteristics
(GA22-6969-0			System/370 Model 165 Operating Procedures)

03 CARD READERS, PUNCHES

GA21-9025-3	GN21-0082	GN21-0090	1442-N1 and N2 Component Description and Operating Procedures
GA21-9026-3			2501 Models B1 and B2 Component Description & Operating Procedures
GA21-9027-3	GN21-0083	GN21-0087	2520-B1, B2 and B3 Component Description and Operating
	GN21-0104		Procedures
GA21-9033-3			2540 Card Read Punch Component Description and Operating Procedures
GA21-9124-0	GN21-0130		3505 Card Reader and 3525 Card Punch Subsystem

03 PRINTERS

GA24-3073-6	GN24-0456		1403 Printer Component Description
GA24-1446-1			1404 Printer
GA24-3120-6			1443 Printer Models 1 to 4, and N1 1445 Printer Models 1 and N1
GA24-3543-0			3211 Printer and 3811 Control Unit Component Description
(GA24-3488-4)			Form - Design Considerations - System Printers

03 OPTICAL AND MAGNETIC CHARACTER READERS

GA24-1499-6	GN24-0458	GN24-0440	1219 Reader Sorter - 1419 Magnetic Character Reader
GA19-0004-0#	GN19-0007	GN19-0010	1219 Reader Sorter, Model 32 1419 Magnetic Character Reader, Model 32
GA21-9031-0*	GN21-0061	GN21-0068	1231-N1 Component Description and Operating Procedures
	GN21-0089	GN20-0105	
GA24-3542-1	GN24-0464		1255 Magnetic Character Reader Component Description
GA21-9031-1*			
GA21-9031-2*			
GA24-3500-2			1259 Magnetic Character Reader Component Description
GA19-0036-1			Paper & Print Quality Requirements for IBM 1275 Optical Reader Sorter
GA19-0034-0	GN19-0063	GN19-0050	1276 Optical Reader Sorter
GA24-3256-5	GN21-0102		1285 Optical Reader Component Description and Operating Procedures
GA21-9064-5	GN21-0122		1287 Optical Reader Component Description and Operating Procedures
GA21-9081-3			1288 Optical Page Reader Model 1 Component Description
GA24-1421-1*	GN24-0253		1412 Magnetic Character Reader Model 1
GA24-1421-2*	GN24-0316	GN24-0354	
GA24-1421-3*	GN24-0433		
GA24-1452-1*	GN24-0310		1418 and 1428 Print Quality Considerations
GA24-1452-2*			
GA24-1473-0*	GN24-0261		1418 Optical Character Reader 1428 Alphameric Optical Reader
GA24-1473-1*	GN24-0312		
GA24-1473-2*	GN24-0413		
GA24-1473-3*			
GA19-0023-2	GN19-0066		IBM 1419 Model 32 Attached to IBM System 360 Models 25, 30, 40, 50, and 65
GA24-3551-0			IBM 2956-5 Component Description
GA21-9050-3	GN21-0110		IBM 2956 Optical Mark/Hole Reader Models 2 & 3 Component Description and Operating Procedures

03 OTHER (I/O)

GA22-6877-3*	GN22-0268		System/360 Component Descriptions and Operating Procedures 1052 Printer - Keyboard Model 7 with 2150 Console
GA22-6877-4*	GN22-0305		
GA22-6868-2	GN26-0182	GN26-0215	1827 Data Control Unit with System/360 Component Description
GA27-2701-2	GN27-2933		2250 Display Unit Model 1, System/360 Component Description
GA27-2702-0			System/360 Component Description 2250 Display Unit Model 2 - 2840 Display Control Model 1
GA27-2721-0	GN27-2934		System/360 Component Description IBM 2250 Display Unit Model 3 IBM 2840 Display Control Model 2
GA27-2721-1*			
GC20-1688-0*			Operator Manual 2260 Display Station 2848 Display Control 1053 Printer
GC20-1688-1*	GN20-1902		
GA27-2700-4	GN27-3047		System/360 Component 2260 Display Station - 2848 Display Control
GA27-2731-2	GN27-2945		System/360 Component Description 2265 Display Station 2845 Display Control
GA27-2730-0			2285 Display Copier - Component Description
GA24-3388-4			2671 Paper Tape Reader 2822 Paper Tape Reader Control
GA24-3312-5*	GN24-0409	GN24-0419	2821 Control Unit
GA24-3312-7*	GN24-0455	GN24-0453	
GA33-4500-2			2826 Paper Tape Control Unit 1017 Paper Tape Reader 1018 Paper Tape Punch - System/360 Component Descriptions
GA24-3552-1			3210-Console Printer Keyboard Model 2 Component Description
GA24-3550-1			3215 Printer Keyboard Component Description
GA36-0002-0			4481 Film Reader/Recorder
GA36-0003-0			4481 Film Reader Programmers Guide

05 MAGNETIC TAPE UNITS AND CONTROLS

GA22-6866-5	GN32-0008		System/360 Component Description 2400-Series Magnetic Tape Units 2803/2804 Tape Controls and 2816 Switching Unit 1 Model 1
GA32-0001-0			2420 Model 7 Tape Drive Operators Guide Card

GA32-0006-3			Tape Specifications for IBM One-Half Inch Tape Drives at: 556 and 800 and 3200 FCI
GA32-0007-2			2420 Model 5 Magnetic Tape Unit Component Description
GA27-2726-1			2495 Tape Cartridge Reader System/360 Component Description
GA32-0020-0			3803/3420 Magnetic Tape Subsystems Component Description
GA22-6828-1			7340 Hypertape Drive Model 3 with System/360

07 DIRECT ACCESS STORAGE UNITS AND CONTROLS

GA26-3633-1			Data Cell Handling Guide
GA26-5756-6			IBM Disk Pack and Cartridge Handling Procedures
GA22-6895-3			System/360 Component Descriptions - 2301 Drum Storage - 2820 Storage Control
GA26-3599-3*	GN26-0244	GN26-0246	System/360 Component Description - 2314 Direct Access
	GN26-0248		Storage Facility and 2844 Auxiliary Storage Control
GA26-3599-4*	GN26-0258		
GA26-3599-5*	GN26-0265		
GA26-1606-1			IBM 2319 Component Summary
GA26-1589-0			System/360 Component Description - 2835 Storage Control and 2305 Fixed Head Storage Module.
GA26-5988-4*	GN26-0202		System/360 Component Descriptions - 2841 Storage Control Unit - 2302 Disk Storage, Models 3 and 4 - 2311 Disk Storage Drive Model 1, 2321 Data Cell Drive - 2303 Drum Storage
GA26-5988-5*	GN26-0210	GN26-0229	
GA26-5988-7*			
GA26-1592-0			Component Summary - 3830 Storage Control - 3330 Disk Storage.

09 TELEPROCESSING EQUIPMENT

GA22-6864-2*	GN27-3023	GN27-3025	2701 Data Adapter Unit Component Description
	GN27-3030	GN27-3033	
	GN27-3037		
GA22-6864-3*	GN27-3042		
GA22-6864-4*			
GA22-6846-3	GN27-3054		System/360 Component Description - 2702 Transmission Control
GA27-2703-1*	GN27-3027	GN27-3029	System/360 Component Description - 2703 Transmission
	GN27-3038	GN27-3043	Control
	GN27-3055		
GA27-2703-2*			
GA27-2704-1			System/360 Component Description - 2711 Line Adapter Unit
GA24-3426-0			2712 Remote Multiplexor
GA27-3029-1			2721 Portable Audio Terminal - Component Description
GA27-3039-0			2721 Portable Audio Terminal Operator's Handbook
GA27-3001-0*			2740/2741 Communications Terminal - Operator's Guide
GA27-3001-1*			
GA27-3005-2	GN27-3039	GN27-3045	2780 Data Transmission Terminal - Component Description
GA27-3035-1			2790 Data Communications System Operators Guide
(GL27-3020-2	(GN27-3076)		2972 M8-11 General Banking Terminal System Component Description)
GA27-3043-0			IBM 3735 Programmable Buffered Terminal Concept & Application
GA19-0010-3#	GN27-3057		IBM 3944 Dial Terminal Unit For World Trade Use Only
GA36-0001-0			IBM 4872 MODEM Model 1
GA27-2710-1			7772 Audio Response Vocabulary
GA27-2711-0	GN27-2906	GN27-3020	System/360 Component Description - 7772 Audio Response Unit

10 AUXILIARY EQUIPMENT

GA22-6951-0	GN22-0366		IBM 50 Magnetic Data Inscriber Operators Guide
GA27-2725-2	GN22-0331	GN22-0339	System/360 Component Description 50 Magnetic Data
	GN22-0365		Inscriber
	GN22-0340	GN22-0341	

13 SPECIAL AND CUSTOM FEATURES

GA22-6892-0*	GN22-0225		System/360 Special Feature Channel-to-Channel Adapter
GA22-6892-1*			
GL22-6960-0	GN22-0374		System/360 Custom Feature - Reservation System

GA24-3512-2	GN24-0452		System/360 Model 25 1401/1460 and 1440 Compatibility Features
GA24-3524-2	GN24-0444		System/360 Model 25 Model 20 Mode Feature
GA24-3526-2			System/360 Model 25 Integrated Communications Attachment Feature
GA24-3547-0			System/360 Model 25, High Speed Channel - 2314 Attachment Feature RPQ 69109
GA19-0019-0#			System/360 Model 30 - 1401/1440/1460 Compatibility Feature Inverted Print Edit and Sterling Sub-Feature
GA24-3255-7	GN24-0437		IBM System/360 Model 30 1401/1440/1460 Compatibility Feature
GA24-3365-3			System/360 Model 30 - 1620 Compatibility Feature
GC20-1650-1	GN20-1076		System/360 Model 30 1401 Compatibility Mode
GL22-6902-0			System/360 Model 40 Sum of Products Instruction - RPQ W12561 Special Systems Feature
GL22-6903-0			System/360 Model 40 Halfword Translate Instruction - RPQ W13462 Special Systems Feature
GL22-6904-0			System/360 Model 40 Table Address Chaining - RPQ W13518 Special Systems Feature.
GA22-6900-2	GN22-0301		System/360 Model 44 Data Acquisition Special Features
GA27-2717-0			System/360 Models 50 and 65 Special Feature Description - 7074 Compatibility Feature
GA27-2716-0	GN27-2912		System/360 Model 65 Special Feature Description 7080 Compatibility Feature
GA27-2715-2			System/360 Model 65 and 67 - Special Feature Description 709/7090/7094 II Compatibility Feature
GA27-2733-0	GN27-2936 GN27-2941	GN27-2938	System/360 Model 85, 360 Special Feature Description 709/7090/7094/7094 II, Compatibility Feature
GA21-9070-0			1050 Special Feature Description ASCII Data Communication RPQ Features F18589, 82027, 842028 and 842029
GA24-3342-0			1241 and 1219 Magnetic Ink Character Recognition Readers - Batch Numbering Feature
GA24-3081-2			Mark Read Station (Slated Mark) for 1418 and 1428
GA26-3699-0	GN26-0211		1971-1980 Custom Terminal Functional Characteristics Operating Procedures, and Physical Planning
GA26-5714-0			2314/2844 Multiplex Storage Control Feature - Airlines Buffer
GC50-0001-1			2701 Data Adapter Unit and ASCII Autodin Adapter RPQ F16124
GL22-6921-0			System/360 Custom Feature Description 2903 Special Control Unit Model 1 - RPQ 880836
GL27-3009-1			2905 Remote Multiplexor Component Description
GA27-2737-0			2909-3 Asynchronous Data Channel RPQ F13299 Custom Feature Description
GL22-6871-3			2911 Manual Switching Unit Models 1, 2, and 5 and 2989 Remote Switching Console 8 Special Systems Feature
GL22-6937-0			System/360 Custom Feature Description 2914 Switching Unit Model - RPQ 880882
GL22-6890-0			2930 Model 1 Tape Intersystem Connecting Unit RPQ M22146 - Special Systems Feature Bulletin
GL22-6901-1			System/360 2937 Multiplier-Summation Processor Models 1, 2, and 3 RPQ 880626 Special Systems Feature
GA24-3519-1	GN24-0448	GN24-0459	System/360 Custom Feature Description - 2938 Array Processor Model 1, RPQ W24563 Mode 2, RPQ 815188
(GA26-1599-0			2960/2968 Custom Feature)
GA26-1593-1			IBM 2968 Model II Audio/Visual Control: Component Description and Operating Procedures RPQ Number F-30209
GL22-6940-0	GN22-0371		2969 Programmable Terminal Interchange Model 1, RPQ 888117: Special Feature Description
GL19-0003-1			Custom System Description: IBM 2970 Model 8 Bank Terminal, RPQ858230
GA26-5993-1			System/360 Custom Feature - 2972 Line Control Unit Model 1 Custom Feature
GA26-1583-0			System/360 Custom Feature Description-2973 Model 2 File Switch RPQ Number F13209
GA22-6955-0			System/370 Special Feature Description 709/7090/7094 II Compatibility Feature for IBM S/370 Model 165
GA22-6958-0			System/370 Special Feature Description 7070/7074 Compatibility Feature for S/370 Model 165

15 PHYSICAL PLANNING SPECIFICATIONS

GC22-6820-10	GN22-0355	GN22-0364	System/360 Installation Manual - Physical Planning
GC19-0001-4	GN19-0062	GN19-0069	System/360 Installation Manual World Trade 50 - Cycle Physical Planning Requirements
GC19-0004-0	(GN19-0073)	(GN19-0075)	System/370 Installation Manual Physical Planning IBM World Trade 50-Hertz Requirements
GC22-7004-0	GN22-0373	GN22-0377	System/370 Installation Manual Physical Planning
GA19-0038-0			System/370 Model 155 Installation Information - Physical Planning IBM World Trade 50 - Hertz Requirements
GA19-0039-0			System/370 Model 165 Installation Information Physical Planning IBM World Trade 50 - Hertz Requirements.
GA22-6970-0			System/370 Model 155 Installation Information Physical Planning
GA22-6971-0			System/370 Model 165 Installation Information Physical Planning
GL22-6928-0	GN22-0353		IBM Airlines Reservation System Remote Equipment - Installation Manual - Physical Planning
GA24-3561-0			IBM 1925 Model 18 Interface Switch Unit Installation Manual - Physical Planning
GA27-3041-0			1970 - Model 1 Remote Audio Response Unit Installation Manual - Physical Planning
GC22-6939-0	GN22-0355		System/360 Special Feature: 2680 CRT Printer Installation Manual - Physical Planning
GL27-3010-0			2905 Remote Multiplexor, 2906 Transmission Control Installation Manual - Physical Planning
GA27-2727-1			System/360 Custom Systems Unit - 2909 Asynchronous Data Channel Model 3 Installation Bulletin - Physical Planning
GC22-6922-1			2911 Models 1, 2, and 5 and 2989 Model 8 Installation Manual Physical Planning
GA24-3562-0			IBM 2911 Model 14 Interface Switch Unit Installation Manual - Physical Planning
GL22-6936-0			2914 Switching Unit Model 1, RPQ 880882, Custom Feature: Installation Manual - Physical Planning
GA27-2724-1			System/360 Custom Systems Unit 2916 Long Line Adapter, Models 3 and 4 Installation Bulletin - Physical Planning
GA24-3516-1			2938 Array Processor Model 1 RPQ W24563/ Model 2 RPQ 815 188 Installation Manual - Physical Planning
GA24-3509-2			2944 Data Channel Repeater Installation Manual - Physical Planning
(GL24-3571-0			2946 Terminal Control Subsystem)
(GA24-3545-1)			2956-5 Multipocket Reader Sorter Installation Manual - Physical Planning
GL27-3037-0			IBM 2968-8 Data Entry Unit Controller Installation Manual - Physical Planning
GL22-6945-0			IBM 2969 Programmable Terminal Interchange Model 1 RPQ 888117 Installation Manual - Physical Planning
GA27-2729-0			System/360 Custom Systems Unit 2972 Model 7 Scientific Interface Control Unit RPQ E46181 Installation Bulletin - Physical Planning
GA26-1582-0			2973 Model 2 File Switch Installation Manual - Physical Planning RPQ Number F13209

19 ORIGINAL EQUIPMENT MANUFACTURERS' INFORMATION

GA24-1431-3			1403 Printer Original Equipment Manufacturers' Information
GA24-3356-0			1404 Printer Model 2 Original Equipment Manufacturers' Information
GA26-5661-0	GN26-0193		2301 Drum Storage Original Equipment Manufacturer's Information
GA26-5663-0			2303 Drum Storage, Original Equipment Manufacturer's Information
GA26-3567-3	GN26-0257		2311 Disk Storage Drive Original Equipment Manufacturer's Information
GA26-1586-1	GN26-0252	GN26-0259	IBM 2312/2313/2318 Disk Storage Original Equipment Manufacturers' Information
GA26-3574-2	GN26-0178		2321 Data Cell Drive Original Equipment Manufacturer's Information
GA22-6869-1	GN22-0239		2361 Core Storage Original Equipment Manufacturer's Information

GA22-6862-5	GN32-0006	GN32-0007	2400 Magnetic Tape Units Original Equipment Manufacturer's Information
GA32-0004-0			2420 Model 7 Magnetic Tape Unit Original Equipment Manufacturer's Information
GA22-6844-3			2701 Data Adapter Unit Original Equipment Manufacturer's Information
GA27-3012-0	GN27-3041	GN27-3044	2702/2703 Transmission Controls Original Equipment Manufacturer's Information
GA27-3002-0			2740/2741 Communication Terminal Original Equipment Manufacturer's Information
GA22-6861-0			7340 Model 3 Hypertape Drive Original Equipment Manufacturer's Information
GA27-2706-0*	GN27-3008		7770 Audio Response Unit Model 3 7772 Audio Response Unit Original Equipment Manufacturer's Information
GA27-2706-1*			
GA22-6845-2			System/360 Direct Control and External Interrupt Features Original Equipment Manufacturer's Information
GA22-6906-0*			System/360 Power Control Interface Original Equipment Manufacturer's Information
(GA22-6906-1)*			
GA22-6974-0			System/360 and System/370 I/O Interface Channel to Control Unit Original Equipment Manufacturer's Information

PROGRAMMING SYSTEMS

Programming Systems publications (subject codes 20 through 50) are organized in Operating System or Basic Programming Support (BPS) groups. The Operating System group consists of Operating System/360 (OS), Basic Operating System (BOS), Tape Operating System (TOS), Disk Operating System (DOS) Time Sharing System (TSS) and Model 44 Programming System (44PS). Within each group, the publications are in subject code order. The subject code precedes each title. The codes and the subject headings they identify are:

20	Programming Systems - General	30	Input/Output Control System, Data Management
21	Assembler	31	System Service Programs
22	APL	32	Utility Programs
23	BASIC	33	Sort/Merge
24	COBOL	35	Simulation, Emulation
25	FORTRAN	36	Control Program
26	ALGOL	37	Automatic Testing Programs
28	Report Program Generator	48	Miscellaneous Programs
29	PL/I	50	Systems Techniques

The Program Logic Manuals listed below are not required for normal use or operation of the program described. They are intended for use by persons involved in program maintenance or alteration of program design, and may not be made available without the approval of local IBM management.

Users should also check the following subject codes for additional material pertaining to programming systems: 60, 80, 85, 90, 95 and 99.

PROGRAMMING SYSTEMS - GENERAL

20	GC20-1619-8	(GN20-0030-26)		System/360 Catalog of Programs
23	GC28-6837-0			Basic Language Reference Manual
24	GC28-6395-0			System/360 Cobol Differences USA Standard Cobol Conversion
24	GC28-6559-1*	GN27-1240	GN27-1243	System/360 Transition Aids - COBOL Language Conversion Program (1401-CB-701) for the 1401
	GC28-6559-2*			
24	GC28-6570-0			System/360 Transition Aids COBOL Language Differences
24	GY27-7108-0			System/360 Transition Aids COBOL Language Conversion Program 1401-CB-701 for 1401 PLM
25	GC28-6560-1	GN27-1241	GN27-1293	System/360 Conversion Aids - FORTRAN II Language Conversion For the 1401 Program 1401-FO-702
25	GY27-7102-0			System/360 Conversion Aids FORTRAN II Language Conversion Program for the 1401 1401-FO-702
	(GC21-7514-0			Introduction to RPG II)
28	GC26-5999-1			System/360 Report Program Generator Translator Operator's Manual
29	GY33-7000-0			System/360 Conversion Aids: FORTRAN-IV-to-PL/I Language Conversion Program for OS/360
29	GY33-7006-0			System/360 Conversion Aids: ALGOL-to-PL/I Language Conversion Program for OS/360

29	GY33-7007-0	GN33-7010		System/360 Conversion Aids - COBOL-to-PL/I Language Conversion Program for OS/360
33	GC33-4015-0			System/370 Model 155 Sort/Merge Timing Estimates, Planning Guide
35	GC26-3564-2			System/360 Model 30 Tape Overlap Emulator Specifications and Operator Guide
35	GC28-6561-3*	GN27-1250	GN27-1275	System/360 Model 40 - Conversion Aids - 1401/60 Emulator Program
	GC28-6561-4*	GN27-1324		
35	GC28-6563-3	GN27-1282	GN27-1325	System/360 Model 40 - Conversion Aids - 1410/7010 Emulator Program
35	GC28-6816-0			System/360 Conversion Aids: 1620 Simulator For System/360 Model 44
35	GC28-6568-2	GN27-1280	GN27-1326	System/360 Model 50 - Conversion Aids - Emulation of 1410/7010 Systems
35	GC27-6908-3	GN27-1323	GN27-1340	System/360 Models 50 and 65 - Conversion Aids - 7074 Emulator Program
35	GC28-6585-1	GN27-1261	GN27-1283	System/360 Model 65 Emulation of 7040/44 Systems
		GN27-1295	GN27-1305	
		GN27-1321		
35	GC27-6911-1*	GN27-1249	GN27-1274	System/360 Model 65 - Conversion Aids - 7080 Emulator
	GC27-6911-2*	GN27-1286	GN27-1297	Program
		GN27-1307	GN27-1320	
35	GC28-6565-4	GN27-1322		System/360 Model 65 - Conversion Aids - 709/7090/7094/ 7094 II Emulator Program
35	GC27-6929-0			System/360 Conversion Aids: Sample Programs for System/360 Emulator Programs
35	GC28-6529-2			System/360 Simulator for 1620 Models 1 and 2 Preliminary Specifications
35	GC28-6530-1	GN33-7000		System/360 Conversion Aids: Simulator for 7070/74
35	GC28-6531-1			System/360 Conversion Aids: 7080 Simulator for System/360 - Program Number 360C-SI-751
35	GC28-6501-2	GN28-2101		System/360 - 7090/94 Support Package
35	GC28-6532-2			System/360 Conversion Aids - Simulator for 7090/94
35	GC33-2003-0			System/360 Conversion Aids 1410/7010 Simulator for System/360 - 360C-SI-754
35	GY27-7126-0	GY27-7140		System/360 Model 30 1620 Emulator Program PLM 360C-EU-731
35	GY27-7103-1	GY27-7131		System/360 Model 40 - 1401/60 Emulator Program 360-EU-074 PLM
35	GY27-7225-0			Program to Emulate the IBM 1401, 1440, and 1460 on the IBM System/370 Model 155 using OS/360
35	GY28-6564-2			System/360 Model 40 1410/7010 Emulator PLM 360C-EU-728
35	GY28-6816-0			System/360 Conversion Aids: 1620 Simulator for System/360 Model 44
35	GY28-6569-1			System/360 Model 50 1410/7010 Emulator Program PLM 360-EU-726
35	GY27-7111-0	GY27-7129	GY27-7182	System/360 Conversion Aids: 7074 Emulator Program for System/360 Models 50 and 65 PLM 360C-EU-725
35	GY28-6599-1			System/360 Conversion Aids 7040/7044 Emulator Program for Model 65 PLM 360C-EU-733
35	GY28-6566-1	GY27-7175		System/360 Model 65 709/7090/94/94II Emulator Program PLM 360C-EU-729
35	GY27-7115-0	GY33-7001		System/360 Conversion Aids: 1410/7010 Simulator for IBM System/360 PLM-Program Number 360C-SI-754
35	GY27-7226-0			Program to Emulate the IBM 1410/7010 on the IBM System/370 Model 155 using the OS/360
35	GY27-7116-1	GY33-7002		System/360 Conversion Aids: 1620 Simulator for System/360 PLM 360C-SI-752
35	GY27-7117-1	GY33-7003		System/360 Conversion Aids: 7070/74 Simulator for System/360 PLM 360C-SI-753
35	GY27-7118-0	GY33-7004		System/360 Conversion Aids: The 7080 Simulator for System/360 PLM 360C-SI-751
35	GY27-7119-1	GY33-7005		System/360 Conversion Aids: 7090/94 Simulator for System/360 PLM 360C-EU-750
36	SY26-3766-0			2740/2968 Audio - Visual Control PLM

	BASIC PROGRAMMING SUPPORT (BPS)			For a consolidated index of the major BPS Publication See C24-5067 BPS/360 Master Index
20	GC24-5067-1			System/360 BPS Master Index
20	GC24-3420-1			System/360 BPS BOS, TOS and DOS Programming Systems Summary
20	GC24-3354-6*	GN24-5327 GN33-8541	GN24-5339	System/360 BPS - Programmer's Guide Basic Tape System
	GC24-3354-7*	GN33-8569	GN33-8596	
20	GC24-3391-3*	GN24-5322 GN33-8539	GN24-5353	System/360 BPS Operating Guide - Basic Tape System
	GC24-3391-4*	GN33-8562 GN33-8640	GN33-8573	
20	GC28-6503-6*	GN33-8581		System/360 BPS Basic Assembler and Basic Utility Programs (Card) Specifications and Operating Guide
	GC28-6503-7*	GN33-8597	GN33-8659	
	GC28-6503-8*			
21	GC24-3355-7			System/360 BPS Basic Tape System Assembler with Input/Output Macros Specifications 360P-AS-091
21	GC24-3364-3	GN33-8639		System/360 BPS BOS - Macro Definition Language
21	GY24-5012-1	GN33-8651		System/360 BPS Tape Assembler Program PLM 360P-AS-047
21	GY24-5014-0	GN33-8653		System/360 BPS Basic Assembler PLM 360P-AS-021
25	GC21-5000-1	GN28-0219		System/360 BPS Programmer's Guide - FORTRAN IV - 16K Card
25	GC21-9040-0*	GN21-5007		System/360 BPS Specifications - FORTRAN IV (16K Card)
	GC21-9040-1*	GN28-0223		
25	GC28-6583-2	GN28-0230		System/360 BPS - FORTRAN IV (Tape) 360P-FO-031 Programmer's Guide
25	GC28-6629-2			System/360 Basic FORTRAN IV Language
25	GY21-0001-0			System/360 BPS FORTRAN IV 16K Card PLM 360P-FO-205
28	GC24-3374-1*	GN21-5065	GN24-5052	System/360 BPS - Specifications - Report Program Generator Card
	GC24-3374-2*			
28	GC24-3418-1*	GN24-5056 GN24-5176	GN24-5160 GN24-5200	System/360 BPS - Specifications Report Program Generator Tape
	GC24-3418-2*	GN21-5059 GN21-5094 GN21-5098	GN21-5087 GN21-5097	
	GC24-3418-3*			
28	GC24-3464-1*	GN21-5066 GN21-5106	GN24-5171	System/360 BPS Operating Guide - Report Program Generator Card - Program Number 360P-RG-200
	GC24-3464-2*			
28	GY24-5037-0			System/360 BPS Report Program Generator for Punched Card Equipment 360P-RG-200 PLM
30	GC24-3408-2	GN33-8575		System/360 BPS Specifications and Operating Guide, Input/Output 1231
30	GC24-3398-4	GN24-5228	GN33-8574	System/360 BPS Input/Output 1412/1419 - Specifications and Operating Guide
30	GC24-3437-2	GN24-5350	GN33-8576	System/360 BPS Input/Output 1418/1428 Specifications and Operating Guide - Prog. No. 360P-IO-059
30	GC24-5070-0			System/360 BPS, BOS, TOS and DOS Tape Labels
30	GY24-5007-0	GY24-5034	GN33-8649	System/360 BPS Paper Document - PLM - Program No. for IBM 1231-NI: 360P-IO-060 Version 2 Program No. for IBM 1418/1428: 360P-IO-059 Version 2 Program No. for IBM 1412/1419: 360P-IO-058 Version 3
31	GC24-5061-4	GN33-8636		System/360 BPS Basic Tape System - System Generation and Maintenance
32	(GC21-5001-1)			System/360 BPS Distribution Program Specifications and Operating Guide - 360-UT-208 PLM
32	GC24-3363-6	GN33-8638		System/360 BPS Specifications Direct Access Storage Device - Utility Programs
32	GC24-5026-1*	GN21-5030		System/360 BPS Specifications Card and Tape Utility Programs
	GC24-5026-2*	GN28-2340		
32	GC24-3396-3	GN28-2339		System/360 BPS Universal Character Set Utility Program Operating Guide
32	GC24-3392-8	GN33-8641		System/360 BPS Operating Guide - Utility Programs Direct Access Storage Device
32	GC24-5027-4	GN33-8658		System/360 BPS Operating Guide - Card and Tape Utility Programs
32	GC24-5069-0	GN33-8590 GN33-8662	GN33-8607	System/360 BPS Modular File Maintenance Program Specifications and Operating Guide - 360P-UT-219

32	GY21-0004-0	GN33-8648		System/360 BPS Distribution Program - 360-UT-208 - PLM
32	GY24-5013-0	GN33-8652		System/360 BPS Universal Character Set Utility PLM 360P-UT-048
32	GY24-5015-0	GN33-8654		System/360 BPS Basic Utilities PLM 360P-UT-017 360P-UT-018 360P-UT-019 360P-UT-020
32	GY24-5096-1	GN33-8655		System/360 BPS Modular File Maintenance Program - 360P-UT-019 - PLM
33	GC24-3320-5*	GN21-5028	GN21-5052	System/360 BPS Specifications - Sort/Merge Programs 8K Tape
	GC24-3320-6*	GN28-2346		
	GC24-3320-7*			
33	GC24-3413-1*	GN21-5008	GN21-5020	System/360 BPS Operating Guide - Sort/Merge Programs 8K Tape
		GN21-5029	GN24-5027-1	
	GC24-3413-2*	GN21-5046	GN28-2244	
	GC24-3413-3*			
33	GC24-3345-1*	GN24-5019		System/360 BPS Sort/Merge Programs 8K Tape - 1401/60 Timing Programs
	GC24-3345-2*	GN21-5014	GN21-5039	
	GC24-3345-3*			
36	GY24-5010-1			System/360 BPS Basic Tape System System Control and Input/Output Control System - PLM
36	GY30-2006-0			System/360 BOS BPS Remote Job Entry Work Station Program - 360B-CO-311 BOS, 360P-CA-218 BPS PLM
37	GC24-3343-2	GN21-5025	GN21-5068	System/360 BPS Tape Autotest
		GN33-8582	GN33-8637	
37	GC24-3417-2*	GN21-5026	GN21-5069	System/360 BPS Operating Guide - Autotest 8K Tape
		GN33-8642		
	GC24-3417-3*			
37	GY24-5011-0	GY33-8523	GN33-8650	System/360 BPS Tape Autotest PLM 360P-PT-045
	BASIC OPERATING SYSTEM (BOS)			For a consolidated index of the major BOS Publication See GC24-5041 BOS/360 Master Index
20	GC24-5041-2			System/360 BOS - Master Index
20	GC24-3420-1			System/360 BPS, BOS, TOS, and DOS Programming Systems Summary
20	GC24-3372-6	GN24-5328	GN24-5336	BOS/360 Programmer's Guide
		GN24-8544	GN33-8531	
		GN33-8565	GN33-8572	
		GN33-8605	GN33-8634	
20	GC24-3450-3	GN33-8533	GN33-8566	BOS/360 Operating Guide
		GN33-8577		
20	GC24-5024-3*	GN33-8537	GN33-8563	BOS/360 Operator Messages
		GN33-8578	GN33-8609	
		GN33-8635		
	GC24-5024-4*			
21	GC24-3361-6	GN33-8564	GN33-8571	BOS/360 Assembler with Input/Output Macro Specifications
		GN33-8608	GN33-8633	
21	GC24-3364-3	GN33-8639		BOS/360 and BPS Macro Definition Language
21	GY24-5000-1	GY33-8525	GN33-8622	BOS/360 Assembler PLM 360B-AS-309
28	GC24-3387-5			BOS/360 Report Program Generator Specifications
28	GY24-5005-0	GY21-0003	GY21-0007	BOS/360 Report Program Generator PLM 360B-RG-307
30	GC24-5070-0			System/360 BPS, BOS, TOS and DOS Tape Labels
30	GY24-5003-0*	GY24-5030	GY24-5043	BOS/360 Disk Logical Input/Output Control System 360B-IO-303 Sections 1 and 2 360B-IO-304 Section 3 360B-IO-305 Section 4
	GY24-5003-1*	GY24-5077	GY33-8524	
31	GC24-5060-2	GN33-8532	GN33-8545	BOS/360 System Generation and Maintenance
		GN33-8567	GN33-8579	
		GN33-8632		
32	GC24-3409-3	GN28-2338		BOS/360 Specifications - Utility Programs
33	GC24-3377-0			1401/60 Timing Program for BOS/360 Sort/Merge Program
33	GC24-3321-3*	GN21-5045		BOS/360 Sort/Merge Program Specifications
	GC24-3321-4*	GN28-2389		
33	GY24-5001-0			BOS/360 Sort/Merge PLM 360B-SM-308
36	GC26-3627-1			BOS/360 - 1070 Process Communication Supervisor Operating Guide
36	GY24-5002-0	GY24-5031	GY24-5044	BOS/360 System Control PLM 360B-SM-308
		GY24-5062	GY24-5076	
		GY33-8519	GY33-8531	
36	GY30-2006-1			System/360 BOS BPS Remote Job Entry Work Station Program - 360B-CQ-311 BOS, 360P-CQ-218 BPS PLM

37	GC24-3378-1*	GN24-5011	GN24-5015	BOS/360 Specifications - Autotest
	GC24-3378-2*	GN21-5011	GN21-5041	
		GN21-5070	GN33-8583	
37	GY24-5004-0	GN33-8623		BOS/360 Autotest PLM 360B-PT-30
	TAPE OPERATING SYSTEM (TOS)			For a consolidated index of the major TOS Publication See GC24-5064 TOS/360 Programming Index
20	GC24-5064-1			TOS/360 Programming Index
20	GC24-3420-1			System/360 BPS, BOS, TOS, and DOS Programming Systems Summary
20	GC24-5030-6			DOS and TOS/360 Concepts and Facilities
20	GC24-5020-5			TOS/360 Performance Estimates
20	GC24-5021-3	GN24-5360		TOS/360 Operating Guide
21	GC24-3414-7	GN33-8076		DOS and TOS/360 Assembler Language
21	GY26-3642-1	GY26-8006	GY26-8007	DOS and TOS/360 Assembler D PLM 360M/N-AS-465
		GY26-8015		
24	GC24-3433-5	GN28-0245		DOS and TOS/360 COBOL Language Specifications COBOL DOS Prog. No. 360N-CB-452 - COBOL TOS Prog. No. 360M-CB-402
24	GC24-5025-5	GN28-0253		DOS and TOS/360 COBOL Programmer's Guide
24	GY24-5025-2	GY28-6389	GY28-6390	System/360 DOS and TOS, COBOL-D with DASD Macros, PLM Prog.
		GY28-6396		Numbers 360M-CB-402 - 360N-CB-452
25	GC28-6629-1			System/360 Basic FORTRAN IV Language
25	GC24-5038-3			DOS and TOS/360 FORTRAN IV Programmer's Guide
25	GY24-5032-0			System/360 DOS and TOS FORTRAN IV PLM Program Number 360M-FO-409 - 360N-FO-451
28	GC26-3570-6			DOS and TOS/360 Report Program Generator Specifications
28	GY26-3701-1	GY21-0005	GY21-0009	System/360 DOS and TOS Report Program Generator Program No. 360N-RG-460, 360M-RG-408 PLM
29	GC24-9005-4	GN33-9067		System/360 DOS and TOS PL/I Programmer's Guide
29	GC28-8202-1			System/360 PL/I Subset Reference Manual
29	GY33-9010-2			System/360 DOS and TOS PL/I Subset Language - PLM 360N-PL-464 DOS 360M-PL-410 TOS Volume 1 of 3
29	GY33-9011-1			System/360 DOS and TOS PL/I Subset Language - Vol 2 of 3 Prog. Nos. 360N-PL-464 DOS 360N-PL-410 TOS - PLM
29	GY33-9012-1			System/360 DOS and TOS PL/I Subset Language - PLM Prog. Nos. 360N-PL-464 DOS 360N-PL-410 TOS - Volume 3 of 3
29	GY33-9013-0	GY33-9018	GY33-9027	DOS and TOS/360 PL/I Subset-Library Routines Prog. No.
		GY33-9032	GY33-9031	360N-PL-464 DOS PLM Prog. No. 360N-PL-410 TOS
30	GC24-3430-3			TOS/360 Data Management Concepts
30	GC24-5035-3	GN24-5371	GN33-8645	TOS/360 Supervisor and Input/Output Macros
30	GC24-5070-0			System/360 BPS, BOS, TOS and DOS Tape Labels
30	GY24-5018-2	GY24-5115		System/360 TOS Logical Input Output Control System PLM
31	GC24-5015-6			TOS/360 - System Generation and Maintenance
32	GC24-3465-5			DOS and TOS/360 Utility Programs Specifications
32	GC24-5042-4*			System/360 DOS and TOS Utility Macro Specifications
	GC24-5042-5*			
32	GY24-5019-0	GY24-5033	GY33-8535	TOS/360 Utility Programs PLM 360M-UT-403
32	GY24-5045-2			System/360 DOS and TOS Utility Macros - PLM - Prog. No. 360N-UT-471, 360M-UT-411
33	GC24-3438-4			System/360 DOS and TOS Tape Sort/Merge Program Specifications
33	GC24-3439-1*	GN21-5015		1401/1460 Timing Program for System/360 DOS and TOS Tape Sort/Merge Program Program No. 1401-LM-010 2401-2404 Program No. 1401-LM-012 2415
	GC24-3439-2*	GN21-5040		
	GC24-3439-3*			
33	GY24-5016-0	GY24-5036		TOS/360 Sort/Merge PLM 360B-SM-400
36	GC24-5034-1*	GN24-5219	GN24-5271	TOS/360 - System Control and System Service
		GN24-5290	GN24-5348	Program
	GC24-5034-2*			
36	GY24-5022-1	GY24-5060	GY24-5063	System/360 TOS - System Control PLM
		GY24-5073		
37	GC24-3441-3	GN21-5054	GN21-5074	TOS/360 Autotest Specifications
		GN21-5080	GN33-8585	
37	GC24-5066-2			DOS and TOS/360 On-Line Test Executive Program Specifications and Operating Guide
37	GY24-5026-1			TOS/360 Autotest PLM 360M-PT-407
37	GY24-5056-1	GY24-5090	GY24-5106	DOS/TOS/360 On Line Test Executive Program - PLM

DISK OPERATING SYSTEM (DOS) For a consolidated index of the major DOS publications see GC24-5063 DOS/360 Master Index.

Listed below are all DOS Release 25 publications. An (X) indicates those that are common to Releases 24 & 25

		COMMON TO RELEASE 24 & 25	THIS TNL IS APPLICABLE TO RELEASE 25 ONLY - DESTROY IF NOT REQUIRED	TEMPORARY NOS. FOR ORDERING PURPOSES	TITLE
20	GC24-5063-3	X			S/360 DOS Master Index
20	GC24-3420-1				S/360 BPS, DOS, TOS & DOS Program System Summary
					S/360 DOS 1275 Optical Reader/Sorter Program Planning Guide
20	(GC24-5030-9)	X		GT24-5030-8	S/360 DOS, TOS Concepts & Facilities
20	GC24-5032-8 GN24-5383 GN24-5393 GN24-5403				S/360 Timing Estimates
20	(GC24-5022-10)	X		GT24-5022-9	S/360 DOS Operating Guide
20	(GC24-5074-3)	X		GT24-5074-2	S/360 DOS Operator Communications
20	GC24-5078-0				IBM S/360 DOS, Program Planning Guide for MCAR/CCH Function, for IBM System/370 Model 145
20	GC24-5082-0				IBM System/360 DOS to OS Management Planning Guide
20	GC24-5084-1				System/360 DOS Program Planning Guide for MCAR/CCH Function for System/370 Model 155 360N-CL-453
20	GC24-5085-0				System/360 DOS IBM 3211 Printer Program Planning Guide.
20	GC24-5089-0				DOS Planning Guide for IBM System/370 Model 135
20	GC28-6756-0 GN28-2426				IBM System/360: Planning for the Use of Information Interchange Standards
20	GC33-5004-0				DOS/360 Planning Guide for Programming the 3330 DASF
21	(GC24-3414-8)	X		GT24-3414-7 GN33-8076 GN33-8087	S/360 DOS, TOS Assembler Language
21	GY26-3642-2	X	(GN33-8101)		S/360 DOS, TOS Assembler (D) PLM
21	GY26-3716-1 GY33-8018				S/360 DOS Assembler (F)
22	GH20-0850-1				APL/360 - DOS - 5736-XM6 General Information Manual
22	GH20-0906-0 GN20-2359				Users Manual
22	SH20-0938-0				Operations and Installation Manual
22	GH20-4046-0				Program Product Specifications
22	LYB0-0626-0				Assembly Listings-Feature Code 8065
22	GH20-4074-0				
24	GC24-3433-5 GN28-0245 GN28-0407 GN28-0256	X			S/360 DOS, TOS COBOL Language
24	GC24-5025-5 GN28-0253 GN28-0406 GN28-0259	X	(GN28-0430)		S/360 DOS, COBOL Program Guide
24	GC24-5039-1				S/360 DOS COBOL DASD Macros
24	GC24-6395-0				S/360 USAI COBOL Differences Conversion
24	GC28-6394-2 (GN28-0436)				S/360 USAI Standard COBOL

		COMMON TO RELEASE 24 & 25	THIS TNL IS APPLICABLE TO RELEASE 25 ONLY - DESTROY IF NOT REQUIRED	TEMPORARY NOS. FOR ORDERING PURPOSES	TITLE
24	(GC28-6398-2)	X		GT28-6398-1 GN28-0414	S/360 DOS: USA Standard COBOL Programmer's Guide
24	GC28-6400-0 GN28-0262 GN28-0270 GN28-0405	X			S/360 Conversion Aids - Cobol-to-USA Standard Cobol Language Conversion Program - 360N-CU-489, 360C CU-713
24	GC28-6401-2				IBM System/360 Disk Operating System American National Standard Subset COBOL Compile
24	GC28-6402-0				S/360 DOS American National Standard Subset COBOL Compiler General Information
24	GC28-6403-0				S/360 DOS American National Standard Subset COBOL
24	GC28-6420-0				S/360 DOS - American National Standard Full COBOL Compiler - Version 3
24	(GC28-6421-1)				IBM System/360 DOS American National Standard Full COBOL Compiler Version 3 and Associated COBOL Object - Tim Subroutine Library General Information
24	GC28-6428-0				System/360 DOS American National Standard Full COBOL Library, PPDO
24	(SC28-6441-0				S/360 DOS Full American Nationa Standard COBOL Compiler & Library, Version 3, Programme s Guide)
24	(SC28-6442-0				S/360 DOS Full American Nationa Standard COBOL Compiler & Library, Version 3, Installa+ tion Reference Material)
24	(GC28-6443-0				S/360 DOS Full American Nationa Standard Cobol Compiler, Version 3, PPS)
24	(GC28-6444-0				S/360 DOS Full American Nationa Standard COBOL Object-Time Subroutine Library PPS)
24	(SC28-6445-0				S/360 DOS Full American Nationa Standard COBOL, Version 3 Messages)
24	GY24-5025-2 GY28-6389 GY28-6390GN28-0404	X			S/360 DOS, TOS COBOL (D)
24	GY28-6392-1 GN28-0413	X			S/360 DOS USA Standard Cobol Program Logic Manual 360N-CB-482
24	GY28-6397-0 GN28-0401 GN28-0403	X	(GN28-0592)		S/360 Conversion Aids: Cobol-TO-USA-STANDARD Cobol Language Conversion Program 360N-CV-489, 360C-CV-713
24	(LY28-6412-0				S/360 DOS Full American Nationa Standard COBOL Compiler Versi on 3, PLM)
24	(LY28-6413-0				S/360 DOS Full American Nationa Standard COBOL Subroutine Library, Version 3, PLM)

		COMMON TO RELEASE 24 & 25	THIS TNL IS APPLICABLE TO RELEASE 25 ONLY - DESTROY IF NOT REQUIRED	TEMPORARY NOS. FOR ORDERING PURPOSES	TITLE
25	GC28-8193-0				DOS/360 FORTRAN IV Library ASCII Support PPDO
25	GC28-6397-2	X			S/360 DOS FORTRAN IV Programmers Guide
25	(GC28-6515-8) (GN28-0595)				S/360 FORTRAN IV Language
25	GC28-6596-4				S/360 FORTRAN Library Subprogram
25	GC28-6629-1				S/360 Basic FORTRAN IV Language
25	GC28-6819				S/360 FORTRAN IV Language Handbook for Conversion From IBM 7090/7094 FORTRAN IV
25	GC28-6818-0				IBM System/360 FORTRAN IV Library: Mathematical & Service Subprograms
25	GC24-5038-3				S/360 DOS, TOS Basic Fortran IV Programmers Guide
25	SC28-6851-0				S/360 DOS FORTRAN IV Library ASC II Support: Programmer's Guide Supplement Program Number 5736-LM1
25	GC28-8194-0				S/360 DOS FORTRAN IV Library ASC II Support Program Number 5736-LM1
25	GY24-5032-0				S/360 DOS, TOS FORTRAN IV
25	GY28-6394-1 GY28-6399 GN28-0415	X			S/360 DOS FORTRAN IV PLM
28	SC21-5005-1				S/360 DOS RPG II Language Specifications
28	GC21-5021-0				S/360 DOS RPG II General Information Manual
28	GC21-5028-0				S/360 DOS RPG II PPS
28	SC21-5033-0				S/360 DOS RPG II Conversion
28	GC26-3570-5 GN21-5090 GN21-5095 GN21-5096 GN21-5102 GN21-5105 GN21-5130	X			S/360 DOS, TOS RPG
28	†LYB1-0450-0				S/360 DOS RPG II Program Listing
28	LY21-0014-0				S/360 DOS RPG II Language PLM
28	GY26-3701-1 GY21-0005 GY21-0009				S/360 DOS, TOS RPG PLM
29	(GC24-9005-6)	X		GT24-9005-5	S/360 DOS, TOS PL/1 Programmers Guide
29	GC24-5059-0 GN24-5301				S/360 PL/I DASD Macro
29	(GC28-8202-2)	X		GT28-8202-1 GN33-9066 GN33-9085 GN33-9091	S/360 PL/I Subset Reference Manual
29	GC33-0004-0				PL/I Optimizing Compiler GI Manual
29	SC33-0005-0				S/360 DOS PL/I Optimizing Compiler Language Reference Manual Preliminary Program Number 5736-PL/I
29	GC33-0010-1				PL/I DOS Compiler PPDO
29	GC33-0011-0				PL/I DOS Resident Library PPDO**
29	GC33-0012-1				PL/I DOS Transient Library PPDO**
29	GY33-9010-2 GY33-9046 GN33-9086 GN33-9093	X	(GN33-9110)		S/360 DOS, TOS PL/1 Subset Language 1 of 3

		COMMON TO RELEASE 24 & 25	THIS TNL IS APPLICABLE TO RELEASE 25 ONLY - DESTROY IF NOT REQUIRED	TEMPORARY NOS. FOR ORDERING PURPOSES	TITLE
29	(GY33-9011-2)			GT73-9011-1 GN33-9087	S/360 DOS, TOS PL/1 Subset Language 2 of 3
29	GY33-9012-1				S/360 DOS, TOS PL/1 Subset Language 3 of 3
29	(GY33-9013-1)	X	(GN33-9108)		S/360 DOS, TOS PL/1 Subset Library Routine
30	GC21-5034-0				DOS/360 Planning for the IBM 3505 Card Reader and the 3525 Card Punch
30	(GC24-3427-7)	X		GT24-3427-6	S/360 Data Management Concepts
30	(GC24-5037-10)	X		GT24-5037-9	S/360 Supervisor Input/Output Macros
30	(GC24-5072-1)			GT24-5072-0	S/360 DOS, DASD Labels
30	GC24-5080-0				S/360 DOS ISAM Track Hold Program Planning Guide
30	GC24-5081-0				S/360 DOS Data Set Security Program Planning Guide
30	GC30-1004-0				S/360 OS DOS Basic Telecommunications Access Method Planning for 2790 Data Communication System Support
30	GC30-1005-0				S/360 OS, DOS Planning For Improved BTAM Support of Remote BSC Stations
~~30~~	GC30-5001-8		(GN30-5541)		S/360 DOS BTAM
~~30~~	GC30-5003-3 GN30-5523 GN30-5528 GN30-5534				S/360 DOS QTAM Messages Processing Program Service
~~30~~	GC30-5004-2 GN30-5522 GN30-5527 GN30-5535				S/360 DOS QTAM Message Control Program
30	GC24-5070-2	X	(GN24-5426)		S/360 BPS, BOS, TOS, & DOS Tape Labels
~~30~~	GC30-2007-1				S/360 Introduction to Teleprocessing
30	(GY24-5020-6)	X		GT64-5020-5 GN24-5416	S/360 Logical IOCS Volume 1: Introduction
30	(GY24-5087-5)	X		GT64-5087-4	S/360 Logical IOCS Volume 2: Unit Record, Magnetic Tape and Device Independent Files
30	(GY24-5088-4)	X		GT64-5088-3 GN24-5421	S/360 Logical IOCS Volume 3
30	(GY24-5089-3) GN24-5405 GN24-5413 GY24-5129 GY24-5395	X		GT64-5089-2 GY24-5395 GY24-5129 GN24-5405 GN24-5413 GN24-5420	S/360 Logical IOCS Volume 4
30	GY30-5001-4 GY30-5539				S/360 DOS BTAM
30	GY30-5002-3 GY30-5529 GY30-5537				S/360 DOS QTAM
					Synchronous Transmit-Receive Access Method for DOS/360 - Program Number 360A-SE-32X
30	GH20-0243-1				Application Description Manual
30	GH20-0347-0				Operators Manual
30	GH20-0346-0 GN20-1903				Users Manual
30	GY20-0096-0 GY20-0299				System Manual

		COMMON TO RELEASE 24 & 25	THIS TNL IS APPLICABLE TO RELEASE 25 ONLY - DESTROY	TEMPORARY NOS. FOR ORDERING PURPOSES	TITLE
31	(GC24-5033-11)	X		GT24-5033-10	S/360 System Generation & Maintenance
31	GC24-5068-0 SC21-5013-0				S/360 DOS Single Disk Only System/360 DOS 1288 Basic Unformatted Read System: A Data Capture Utility Program
31	GY24-5079-1 GN24-5406 GY24-5136 GN24-5419	X			S/360 DOS Librarian Maintenance & Service Programs
31	(GY24-5080-2) LY21-0021-0 LN21-5126	X		GT64-5080-1 GN24-5407 GN24-5417	S/360 Linkage Editor System/360 DOS: IBM 1288 Basic Unformatted Read System PLM
32	GC21-5019-0				IBM System/360 DOS IBM 1288 Basic Unformatted Read System; A Data Capture Utility Program Program Number (5736-UT 1)
32	GC24-3465-6		(GN33-8677)		S/360 DOS, TOS Utility Program Specs
32	(GC24-5042-6) GC24-5042-5*			GT24-5042-5 GN33-8613	S/360 DOS, TOS Utility Macro Specs.
32	GC27-6924-2				S/360 DOS Vocabulary File Utility Program 7772 Audio Response Unit
32	GC33-5000-0				IBM System/360 DOS ASCII Magnetic Tape Utilities
32	SC33-5001-0		(GN30-5541)		S/360 DOS ASC II Magnetic Tape Utilities Programming Guide
32	GC33-5002-0				S/360 DOS ASC II Magnetic Tape Utilities PPS
32	LYC7-1700-0				S/360 DOS ASC II Magnetic Tape Utilities Program Listings
32	GY24-5023-1 GY33-8536 GN33-8661		(GN33-8676)		S/360 DOS Utilities PLM
32	GY24-5032-1 GY33-8536				S/360 DOS Utilities
32	GY24-5045-2* GY33-8541 GY24-5045-3*		(GN33-8679)		S/360 DOS, TOS Utility Macros
32	GY27-7136-0 GY30-2008				S/360 DOS Vocabulary File Utility Program 7772 Audio Response Unit
32	LY33-8540-0				S/360 DOS ASC II Magnetic Tape Utilities PLM
33	LCB8-6757-1				System/360 DOS Sort/Merge Program Number 5736-5M1 Feature Number 8035
33	GC24-3438-4 GN33-8085	X			S/360 DOS, TOS SORT/MERGE SPECS.
33	GC24-3444-4 GN33-8089	X			S/350 DOS SORT/MERGE Program SPECS.
33	GC28-6752-1				System/360 DOS: Tape and Disk Sort/Merge Program - Program Number 5736-5M1.
33	GC28-6753-1				S/360 DOS: Tape and Disk Sort/Merge Program, Program Number 5736-SM1
33	GC28-6754-0 GN28-2425 GN28-2424 GN28-2430				S/360 DOS Tape & Disk Sort/Merge Program - General Information
33	GC24-3439-3				1401/1460 Timing Program for DOS/TOS Sort/Merge Program

		COMMON TO RELEASE 24 & 25	THIS TNL IS APPLICABLE TO RELEASE 25 ONLY - DESTROY IF NOT REQUIRED	TEMPORARY NOS. FOR ORDERING PURPOSES	TITLE
33	GC24-3445-2				1401/1460 Timing Program for DOS Sort/Merge Program
33	GC28-6676-3	X	(GN33-8092)		S/360 DOS Tape & Disk Sort/ Merge Program
33	GC28-6679-0				S/360 DOS Tape & Disk Sort/ Merge Program
	GN28-2358				Timing Estimates
33	SC28-6695-1				IBM System/360 DOS: Tape & Disk Sort/Merge Program, Systems Reference Library
33	SC28-6755-0 SN28-2431				IBM System/360 DOS: Tape and Disk Sort/Merge Program, System Information
	GC24-5076-0				System/360 OS Program Planning Guide for the DOS Emulator on System/370 Model 155
33	GY24-5021-0 GY28-2291				S/360 DOS Sort/Merge PLM
33	GY28-6645-1* GN28-2409 GY28-6645-2*				S/360 DOS Tape & Disk Sort/ Merge PLM
33	LY28-6696-1				IBM System/360 DOS: Tape and Disk Sort/Merge Program, Program Logic Manual
35	GC27-6940-4	X	(GN33-7012)		S/360 DOS 1401/40/60 Emulator Program Compatibility Support/30/40
35	(GC33-2004-1)			GT33-2004-0 GN33-7005 GN33-7011	Emulating the 1401, 1440 and 1460 on the System/370 Model 155 using DOS/360
35	(GC33-2005-1)			GT33-2005-0 GN33-7006	Emulating the 1410 and 7010 on the System/370 Model 155 using DOS/360.
35	GY27-7164-2	X	(GN33-7013)		S/360 DOS 1401/1440/1460 Emulator Prog Compatibility Support/30-360N-EU-484
35	GY27-7165-2	X	(GN33-7014)		S/360 DOS, 1401/40/60 Emulator Program Compatibility Support/40 360N-EU-485
36	(GC24-5036-6)	X		GT24-5036-5	S/360 System Control & Sys. Service Programs
36	(GC24-5079-2)			GT64-5079-1 GY24-5136 GN24-5419 GN24-5406	S/360 DOS Planning Guide for Job Accounting
36	GC26-3767-0				2740/2968 Audio - Visual Control User's Guide
36	(GY24-5017-10)	X		GT64-5017-9	S/360 Introduction to Sys. Control Programs PLM
36	(GY24-5086-3)	X		GT64-5086-2 GN24-5424	S/360 DOS IPL Job Control Program - 360N-453
36	(GY24-5151-1)			GT64-5151-0	S/360 DOS Supervisor and Physical Transients
36	(GY24-5152-1)			GT64-5152-0	S/360 DOS System Logical Transient Programs
36	(GY24-5153-1)			GT64-5153-0	S/360 DOS System Service Programs PLM
37	GC24-5062-1				S/360 Autotest Specs.
37	(GC24-5066-3)			GT24-5066-2	S/360 DOS, TOS On Line Test Exec. Program
37	(GC24-5086-0				S/360 DOS OLTEP)
37	GY24-5027-0				S/360 DOS Autotest Program
37	(GY24-5056-2)			GT64-5056-1 GY24-5106	S/360 DOS, TOS On Line Exec. PLM
37	(GY24-5154-0			GY24-5090	S/360 DOS OLTEP PLM)
50	GC20-1685-0				DOS/360 User's Guide - Control Statement Techniques
50	GC24-5073-1				S/360 DOS System Programmers Guide

OPERATING SYSTEM (OS)

For a consolidated index of the major OS Publications see GC28-6644 OS/360 Master Index

Listed below are all OS Release 20 publications. An (X) indicates those that are common to both Release 19 and 20.

OS RELEASE #20

		COMMON TO RELEASE 19 & 20	THIS TNL IS APPLICABLE TO RELEASE 20 ONLY DESTROY IF NOT REQUIRED	TITLE
20	GC27-6949-0 (GN27-1356)			S/360/OS: Operations Guide for Display Consoles
20	GC28-6644-5	X		OS/360 Master Index - Systems Reference Library
20	GC28-6534-2 GN28-2450 (GN28-2458)	X		OS/360 Introduction
20	GC28-6550-8 GN28-2437 GN28-2456		GN28-2452	OS/360 System Programmer's Guide
20	GC28-6535-8 GN28-2436 (GN28-2459)			OS/360 Concepts and Facilities
20	GC28-6551-12 (GN28-2462)		GN28-2455	OS/360 Storage Estimates
20	GC28-6691-2 GN28-2444 GN28-2463			S/360 OS - Operators Reference
20	GC28-6692-0* GC28-6692-1*			S/360 OS - Operators Procedures
20	GC28-6698-2	X		IBM System/360 Operating System: Time Sharing Option, Planning for TSO
20	GC28-6631-10 (GN28-2461)	X		OS/360 System Messages and Codes
20	GC28-6670-4 (GN28-2457)	X		OS/360 Programmer's Guide to Debugging
20	GC28-6716-0 GN28-2449 GY33-6020-0			S/360 OS - Feature System System/360 OS PL/1 (F) Version 5 - Independent Component Release
20	GC28-6756-0 GN28-2426			IBM System/360: Planning for the Use of Information Interchange Standards
20	GC27-6950-0 GN27-1336	X		OS/360 Planning for Display Operator Consoles
21	†LCB6-3772-0			OS/360 Assembler H Assembly Listings (Microfiche)
21	GC28-6514-7	X		OS/360 Assembler Language
21	GC28-6595-2 GN33-8084	X		OS/360 Assembler E Programmer's Guide
21	GC26-3756-5	X		OS/360 Assembler F Programmer's Guide
21	GC26-3734-0			OS/360 Time Sharing Option TSO Assembler Prompter
21	GC26-3735-1			OS/360 Assembler H Program Product Design Objectives
21	(SC26-3740-0			S/360 OS Assembler Prompter User's Guide)
21	GC26-3743-0			OS/360 Assembler H Specifications Sheet
21	GC26-3758-1			OS/360 Assembler H General Information Manual
21	SC26-3759-0			OS/360 Assembler H Programmers Guide
21	SC26-3768-0	X		OS/360 Assembler H System Information.
21	SC26-3770-0	X		OS/360 Assembler H Messages
21	GC26-3771-0	X		OS/360 Assembler H Language Specifications.
21	(GC26-3782-0			S/360 OS Time Sharing Option Assembler Prompter PPS)
21	†LYC7-0902-0			S/360 OS Assembler H Version 2 Mod Level 00 Listings

		COMMON TO RELEASE 19 & 20	THIS TNL IS APPLICABLE TO RELEASE 20 ONLY DESTROY IF NOT REQUIRED	TITLE
21	GY28-6717-2 GN28-2447	X		OS/360 Master Index - PLM
21	GY26-3598-0	X		OS/360 Assembler 32K PLM
21	GY26-3700-2	X		OS/360 Assembler 64K PLM
21	LY26-3760-0			OS/360 Assembler H PLM
22	GH20-0850-1			APL/360 - OS - 5734-XM6 General Information Manual
22	SH20-0890-0			Operations and Installation Manual
22	GH20-0906-0 GN20-2359			Users Manual
22	GH20-4047-0			Program Product Specifications
22	LYB0-0625-0			Assembly Listings-Feature Code 8092
24	GC28-6516-8 GN28-0266	X	GN28-0427	OS/360 COBOL Language - COBOL E 360S-CO-503 COBOL F 360S-CB-524
24	GC28-6396-2			System/360 OS - American National Standard Full COBOL PPDO
24	GC28-6406-1			System/360 OS - American National Standard Full COBOL Compiler Version 3, PPDO
24	GC28-6407-0			OS/360 American National Standard Full COBOL Compiler and Library Version 3 General Information
24	(SC28-6433-0			S/360 OS (TSO) COBOL Prompter Terminal User's Guide & Reference)
24	(SC28-6434-0			S/360 OS (TSO) COBOL Prompter Installation Reference Material)
24	(GC28-6435-0			S/360 OS (TSO) COBOL Prompter PPS)
24	GC28-6698-0	X		S/360 OS, Time Sharing Option, Planning for TSO PPDO
24	GC24-5029-3 GN28-0248 GN28-0247 GN28-0264	X	GN28-0426	OS/360 COBOL E Programmer's Guide
24	GC28-6380-3 GN28-0249 GN28-0250 GN28-0265	X	GN28-0425	OS/360 COBOL F Programmer's Guide 360S-CB-524/360S-LM-525
24	GC28-6395-1	X	GN28-0271	System/360 Cobol Differences USA Standard Cobol Conversion
24	GC28-6396-2	X		OS/360 USA Standard Cobol
24	GC28-6399-1 GN28-0408	X	GN28-0422	OS/360 USA Standard Cobol Programmer's Guide - 360S-CB-545, 360S-LM-546
24	GC28-6398-0	X		S/360 DOS: USA Standard Cobol Programmer's Guide
24	GC28-6400-0 GN28-0262	X		S/360 Conversion Aids - Cobol-to-USA Standard Cobol Language Conversion Program - 360N-CU-489, 360C-CU-713
24	GY24-5009-1 GY28-6385 GY28-6393 GY28-6398	X		OS/360 COBOL-E PLM
24	GY28-6382-2			OS/360 COBOL F PLM
24	GY28-6395-0 GN28-0400	X	GN28-0416	OS/360 USA Standard COBOL Program Logic Manual
25	GC28-6629-2	X		System/360 Basic FORTRAN IV Language
25	GC28-6430-0			S/360 OS-FORTRAN IV (E) Compiler, Installation Reference Manual
25	GC28-6515-8	X		OS/360 FORTRAN IV Language
25	GC28-6817-2 GN28-0590	X	GN28-0591	OS/360 FORTRAN IV (G AND H) Programmer's Guide - 360S-FO-500 360S-FO-520
25	GC28-6603-3	X		OS/360 FORTRAN IV E Programmer's Guide
25	GC27-6932-3 GN27-1313	X		OS/360 Graphic Programming Services for FORTRAN IV - 360S-LM-537
25	GC28-6596-4 GN28-0588	X		System/360 FORTRAN IV Library Subprograms
25	GC27-6937-1 GN27-1316	X		OS/360 and 1130 Disk Monitor System: FORTRAN IV Subroutines for Data Transmission between a System/360 and an 1130 System

		COMMON TO RELEASE 19 & 20	THIS TNL IS APPLICABLE TO RELEASE 20 ONLY DESTROY IF NOT REQUIRED	TITLE
25	GC28-6819-0			S/360 FORTRAN IV Language Handbook For Conversion From IBM 7090/7094 FORTRAN IV
25	GC28-6818-0	X	GN28-0589	System/360 FORTRAN IV Library: Mathematical and Service Subprograms
25	GC28-6824-2			IBM System/360 Operating System: FORTRAN Program Products for OS & OS with TSO
25	(GC28-6832-0			S/360 OS Code & Go FORTRAN PPS)
25	GC28-6844-1			System/360 OS FORTRAN IV Library (Mod 1) PPDO
25	GC28-6846-0	X		OS FORTRAN IV (H Extended) Compiler PPDO
25	GC28-6847-0			OS FORTRAN IV Library (Mod II) PPDO
25	GC28-6848-1			OS/360 FORTRAN IV (H Extended) Compiler and FORTRAN IV Library (Mod II) General Information
25	(SC28-6852-0			S/360 OS: FORTRAN IV (H Extended) Compiler, Programmer's Guide)
25	SC28-6853-0			S/360 OS System Code and Go FORTRAN IV(G1) Programmers Guide
25	GC28-6854-0			S/360 OS FORTRAN IV (G1) Processor
25	SC28-6856-0			S/360 OS FORTRAN IV (G1) Processor & TSO FORTRAN Prompter Installation Reference Materials
25	(GC28-6857-0			S/360 OS Time Sharing Option FORTRAN Prompter PPS)
25	SC28-6858-0			S/360 OS FORTRAN IV Library (MOD I) Installation Reference Manual
25	(SC28-6859-0			S/360 OS Code & Go FORTRAN Processor Installation Reference Material)
25	(SC28-6861-0			S/360 OS: FORTRAN IV (H Extended) Compiler & Library (Mod II) Installation Reference Material)
25	(GC28-6862-0			S/360 OS: FORTRAN IV (H Extended) Compiler PPS)
25	GC28-6863-0			S/360 OS: FORTRAN IV Library (Mod II) PPS
25	SC28-6864-0			S/360 OS: FORTRAN IV Math and Service Subprogram Supplement for Mod I & Mod II Libraries
25	SC28-6865-0			S/360 OS: FORTRAN IV (H Extended) Compiler & Library (Mod II) Messages
25	GY27-7152-1	X		OS/360 Graphic Programming Services for FORTRAN IV
25	GY27-7161-0 GY27-7194	X		OS/360 and 1130 Disk Monitor System, S/360 1130 Data Transmission For FORTRAN - 360S-LM-542, 1130-LM-011-PLM
25	LY28-6408-0			S/360 OS FORTRAN IV Library (Mod I) PLM
25	LY28-6409-0			S/360 OS FORTRAN IV Library (Mod II) PLM
25	(LY28-6410-0			S/360 OS (TSO) FORTRAN Prompter PLM)
25	LY28-6856-0			S/360 OS FORTRAN IV (GI) Compiler PLM
25	GY28-6601-2 GY28-6383 GY28-6819 GY28-6827 GY28-6828	X		OS/360 FORTRAN IV E Compiler PLM
25	GY28-6638-1 GY28-6826 GY28-6829	X	GY28-6847	OS/360 FORTRAN IV G Compiler PLM
25	GY28-6642-4	X		OS/360 FORTRAN IV H Compiler PLM
25	(GY28-6831-1)			OS/360 FORTRAN IV Syntax Checker Program Number 360S-FO-550
26	GC28-6615-1* GN33-8001 GN33-8011 GN33-8055 GC28-6615-2*	X		OS/360 ALGOL Language
26	GC33-4000-2	X	GN33-8041	OS/360 ALGOL Programmer's Guide

		COMMON TO RELEASE 19 & 20	THIS TNL IS APPLICABLE TO RELEASE 20 ONLY DESTROY IF NOT REQUIRED	TITLE
26	GY33-8000-0 GY33-8001 GY33-8003	X		OS/360 ALGOL F Compiler - PLM ALGOL Compiler ALGOL Library
28	GC24-3337-4	X	GN21-5114	OS/360 Report Program Generator Language
28	GY26-3704-0 GY21-0006 GY21-0011	X		OS/360 RPG - PLM
29	GC33-0001-0			PL/1 Optimizing Compiler GI Manual
29	GC33-0003-0			IBM S/360 OS, PL/I Checkout Compiler General Information
29	SC33-0009-0			IBM S/360 OS, PL/I Compiler Reference Manual Preliminary
29	GC33-0013-1			PL/1 OS Compiler PPDO
29	GC33-0014-1			PL/1 Resident Library PPDO
29	GC33-0015-1			PL/1 OS Transient Library PPDO
29	GC33-0028-0			IBM S/360 & S/370 OS, PL/I Checkout Compiler
29	GC28-6590-2	X		OS/360 PL/I Subroutine Library Computational Subroutines
29	GC28-6594-7 GN33-6016	X		OS/360 PL/I F Programmer's Guide
29	GC28-8201-3 GN33-6019	X	GN33-6021	System/360 PL/I Reference Manual
29	GC33-0002-0 GN33-6014	X		OS/360 PL/I Version 5 Planning Guide
29	GC33-2000-1 GN33-7001 GN33-7003	X		System/360 Conversion Aids: ALGOL-to-PL/I Language Conversion Program for IBM System/360 Operating System - 360C-CV-711
29	GC33-2001-1 GN33-7009	X		System/360 Conversion Aids: COBOL-to-PL/I Language Conversion Program for IBM System/360 Operating System
29	GC33-2002-1 GN33-7002 GN33-7004 GN33-7007	X		System/360 Conversion Aids: FORTRAN IV-to-PL/I Language Conversion Program for IBM System/360 Operating System - 360C-CV-710
29	GY28-6800-4 GN33-6018	X	GY33-6017	OS/360 PL/I F Compiler PLM - 360S-NL-511
29	GY28-6801-5 GN33-6017 GY33-6606	X	GY33-6018	OS/360 PL/I Subroutine Library PLM - 360S-LM-512
29	GY33-8009-0			OS/360, PL/I Syntax Checker, PLM, Program Number 360S-PL-552
29	GY33-7000-0			System/360 Conversion Aids: FORTRAN IV-to-PL/I Language Conversion Program for IBM System/360 OS - PLM
29	GY33-7006-0			System/360 Conversion Aids: ALGOL-to-PL/I Language Conversion Program for IBM System/360 OS - PLM
29	GY33-7007-0 GN33-7010			System/360 Conversion Aids: COBOL-to-PL/I Language Conversion Program for IBM System/360 OS - PLM
30	GC21-5008-0			System/360 OS: Planning for the 3211 Printer DATA Management Macro Instructions and Services.
30	GC21-5027-0			OS/360 Planning for the IBM 3505 Card Reader and the 3525 Card Punch
30	GC26-3746-0			OS/360 DATA Management Service
30	GC27-6909-5	X	GN27-1328	OS/360 Graphic Programming Services for 2250 Display Unit
30	GC27-6927-1	X		OS/360 Graphic Programming Services for 2280 and 2282 Film Units
30	GC27-6912-7			OS/360 Graphic Programming Services for 2260 Display Station (Local Attachment)
30	GC28-6680-3	X		OS/360 Tape Labels

		COMMON TO RELEASE 19 & 20	THIS TNL IS APPLICABLE TO RELEASE 20 ONLY DESTROY IF NOT REQUIRED	TITLE
30	GC28-6732-0			S/360 OS: Time Sharing Option: Command Language
30	GC30-1004-0	X		S/360 OS, DOS Basic Telecommunications Access Method Planning for 2790 Data Communication System Support
30	GC30-1005-0			S/360 OS, DOS Planning For Improved BTAM Support of Remote BSC Stations
30	GC30-2003-3 GN30-2532	X		OS/360 Queued Telecommunications Access Method Message Processing Program Services
30	GH20-0765-0			IMS/360 General Information Manual
30	GH20-4067-0			IMS/360 Version 2 PPDO
30	GH20-4068-0			DATA/360 - OS PPDO
30	GC30-2004-5			OS/360 Basic Telecommunications Access Method
30	GC30-2005-2 GN30-2526	X		OS/360 Queued Telecommunications Access Method Message Control Program
30	GC30-2007-1	X		System/360 Introduction to Teleprocessing
30	GC30-2009-0	X		OS/360 Basic Telecommunications Access Method Planning for Use of the 2741 under BTAM-360S-CQ-513
30	GC30-2017-0	X		OS/360 Basic Telecommunication Access Method Planning for IBM 2760 BTAM Support
30	GC30-2020-0 GN30-2534	X		OS/360 Planning for the Telecommunications Access Method (TCAM)
30	GC30-2022-0			S/360 OS TCAM Concepts and Facilities
30	GC30-2024-0			S/360 OS TCAM Programmer's Guide and Reference Manual
30	LY21-0012-0 GN21-5128 GN21-5135			1419 Magnetic Character Reader, 1275 Optical Reader/Sorter Device Dependent BSAM PLM
30	GY21-0013-0		GN21-5123	OS 1285, 1287, 1288 DATA Management Device Dependent MACRO Instructions and Services PLM
30	GY27-7110-0* GY27-7141 GY27-7150 GY27-7110-1*	X X		OS/360 Graphics Problem Oriented Routines PLM
30	GY27-7113-5			OS/360 Graphics Access Method PLM
30	GY27-7198-0			OS/360 Machine Check Handle for S/370 Model 155 165 PLM
30	GY28-6604-3	X	GN26-8009	OS/360 Sequential Access Methods PLM
30	GY28-6606-2		GN26-8006	OS/360 Catalog Management PLM
30	GY28-6607-6	X	GN26-8012	OS/360 Direct Access Device Space Management PLM
30	GY28-6609-5	X		OS/360 Input/Output Support Open/close/ EOV PLM
30	GY28-6616-7		GN26-8013	OS/360 Input/Output Supervisor PLM
30	GY28-6617-4 GY26-8007	X		OS/360 Basic Direct Access Method PLM
30	GY28-6618-3	X	GN26-8001	OS/360 Indexed Sequential Access Methods - PLM
30	GY30-2001-4 GY30-2552			OS/360 Basic Telecommunications Access Method - PLM
30	GY30-2002-2 GY30-2529 GY30-2527	X		OS/360 - Queued Telecommunications Access Method - PLM
				Synchronous Transmit - Receive Access Method for OS/360 - Program Number 360A-SE-33X
30	GH20-0242-1			Application Description Manual
30	GH20-0350-1			Operations Manual
30	GH20-0349-0 GN20-1874			User's Manual

		COMMON TO RELEASE 19 & 20	THIS TNL IS APPLICABLE TO RELEASE 20 ONLY DESTROY IF NOT REQUIRED	TITLE
30	GY20-0097-0 GY20-0159 GY20-0221 GY20-0298			System Manual
30	GY30-2027-0			S/360 OS TCAM Serviceability Aids: PLM
30	GY30-2029-0			S/360 OS TCAM PLM
31	GC27-6918-3	X		OS/360 Maintenance Program - 360S-UT-506
31	GC28-6429-0			S/360 OS - Linkage Editor (E) Installation Reference Material
31	GC28-6538-8 GN28-0272	X	GN28-0423	OS/360 Linkage Editor
31	GC28-6554-10 GN26-0613 GN26-0628 (GN26-0629)	X		OS/360 System Generation
31	GC28-6708-3		GN26-0620	OS/360 Advanced Checkpoint/Restart Planning Guide
31	(GC28-6712-4)			OS/360 Planning For System Management Facilities
31	GC28-6719-1			S/360 OS - Service Aids
31	GX28-6731-0			S/360 OS - Summary Chart
31	GY27-7155-2 GN27-1333	X	GN27-1343	OS/360 Machine-Check Handler for System/360 Model 65 - PLM
31	GY27-7184-1			OS/360 Machine - Check Handler for IBM S/360 Model 85
31	GY28-6610-2 GY28-2301 GY28-2356 GY28-6400	X		OS/360 Linkage Editor PLM Level E Program Number 3605-ED-510
31	GY28-6667-1	X		OS/360 Linkage Editor (F) - 360S-ED-521 - PLM
31	GY28-6714-1	X		OS/360 Loader - PLM
32	SC21-5014-0	X		System/360 OS: 1288 Basic Unformatted Read System - A DATA Capture Utility Program.
32	GC21-5020-0			OS/360 1288 Basic Unformatted Read System Program Number 5734-UT3 PPS
32	GC28-6586-12	X		OS/360 Utilities
32	GC28-6750-2			OS/360 Time Sharing Option; TSO Data Utilities: Copy, Format, List, Merge
32	GC28-6758-0			OS/360 Data Set Utilities Support for ASC II PPDO
32	GC28-6759-1			S/360 OS Data Set Utilities Support for ASC II PPS
32	SC28-6760-0			S/360 OS: Data Set Utilities Support for ASC II - User's Guide
32	(SC28-6765-0			S/360 OS TSO Data Utilities: Copy, Format, List, Merge Users Guide & Reference)
32	LY21-0022-0			OS/360 1288 Basic Unformatted Read System PLM (5734-UT3)
32	GY28-6614-7 (GY35-0001)	X		OS/360 Utilities Program PLM - 360S-4T-506
32	LY28-6761-0			S/360 OS Data Set Utilities Support for ASC II - Logic Manual
32	(LY28-6766-0			S/360 OS: TSO Data Utilities: Copy, Format, List, Merge, Logic Manual)
32	GY28-7106-0	X		OS/360 Update Analysis Program PLM
33	GC28-6543-6	X		OS/360 - Sort/Merge
33	GC28-6662-1			OS/360 Sort/Merge Timing Estimates
33	SC33-4004-0			OS/360 Sort/Merge, System Information
33	GC33-4006-0			OS/360 Sort/Merge PPS
33	SC33-4007-0			OS/360 Sort/Merge Programmer's Guide
33	GC33-4008-0			OS/360 Sort/Merge Timing Estimates
33	GY28-6597-3	X	GY33-8030	OS/360 Sort/Merge PLM
33	(GY27-7187-1)			OS/360 Emulator Program to Emulate the 709/7090/7094 and 7094 II on the S/360 MOD 85

		COMMON TO RELEASE 19 & 20	THIS TNL IS APPLICABLE TO RELEASE 20 ONLY DESTROY IF NOT REQUIRED	TITLE
33	LY33-8027			OS/360 Sort/Merge PLM
35	GC24-5076-0 GN24-5422 (GN26-0632)	X		System/360 OS Program Planning Guide for the DOS Emulator on System/360 Model 155
35	GC27-6945-1 GN27-1346			System/360 OS Emulator Program to Emulate the 1401, 1440 and 1460 on the System/370 Models 135, 145 and 155 using OS/360
35	GC27-6946-1	X		System/360 OS Emulator Program to Emulate the 1410 and 7010 on the System/370 Model 155.
35	GC27-6948-0 GN27-1345	X		Emulating the 7074 on the System/370 Model 155 using OS/360.
35	(GC27-6951-1)	X		Emulating the 709, 7090, 7094 and 7094II on the System/370 Model 165 using OS/360.
35	GC27-6952-0	X		Emulating the 7080 on the System/370 Model 165 using OS/360.
36	GC21-5004-1 GN21-5124	X	GN21-5136	OS/360 Planning for the IBM 1285, 1287, and 1288 Optical Reader Data Management Macros and Services
36	GC21-5006-1 GN21-5125 GN21-5127 GN21-5134	X	GN21-5137	OS/360 Planning For the IBM 1419 Data Management Macro Instructions and Services
36	GC26-3767-0			IBM 2740/2968 Audio - Visual Control Users Guide RPQ Number F30209
36	GC27-6933-3			OS/360 User's Guide for Job Control from the IBM 2250 Display Unit - 360S-RC-541
36	GC27-6935-0	X		OS/360 Planning for Rollout/Rollin
36	GC27-6938-1 GN27-1315 GN27-1330	X		OS/360 and 1130 Disk Monitor System: User's Guide for Job Control from a 2250 Display Unit Attached to an 1130 System
36	GC27-6939-8 GN28-2435	X		OS/360 Planning for Multiprogramming with A fixed Number of Tasks MFT
36	GC27-6942-2	X		OS/360 Introduction to Main Storage Hierarchy Support for IBM 2361 Models 1 and 2
36	GC28-6632-5 GN28-2382 GN28-2399 GY33-6020-0	X	GN28-2418	OS/360 Job Control Language Charts System/360 OS PL/1 (F) Version 5 - Independent Component Release
36	GC28-6628-6 (GN28-2464)	X		OS/360 System Control Blocks
36	GC28-6646-4 (GN27-1350)	X		OS/360 - Supervisor and Data Management Services
36	GC28-6647-5 (GN26-0622)	X		OS/360 - Supervisor and Data Management Macro-Instructions
36	GC28-6698-2			S/360 OS: Time Sharing Option Guide
36	GC28-6703-1	X		S/360 OS: Job Control Language (JCL) Users Guide
36	GC28-6704-0		GN28-2451	S/360 OS: Job Control Language Reference
36	GC28-6730-0 (GN28-2465)			OS/360 Release 20 Guide
36	(GC28-6732-1			S/360 OS: Time Sharing Option Command Language Reference)
36	GC28-6733-1 GN28-2434 GN28-2453 (GN28-2466)		GN28-2432	S/360 OS: Release 19 Guide
36	GC28-6720-2 GN28-2460	X		OS/360 MVT Guide
36	(GC28-6762-0 (GN28-2482)			S/360 OS: Time Sharing Option Terminal)

		COMMON TO RELEASE 19 & 20	THIS TNL IS APPLICABLE TO RELEASE 20 ONLY DESTROY IF NOT REQUIRED	TITLE
36	(GC28-6763-0			S/360 OS: Time Sharing Option Terminal User's Guide)
36	(GC28-6764-0			S/360 OS: Time Sharing Option Guide to Writing a Terminal Monitor Program or a Command Processor)
36	GC30-2006-4 GN30-2543	X	GN30-2547	OS/360 Remote Job Entry - 360S-RC-536
36	GC30-2010-0 GN30-2529 GN30-2531 GN30-2536	X		OS/360 Planning for Conversational Remote Job Entry
36	GC30-2012-0			OS/360 Conversational Remote Job Entry Concepts and Facilities
36	GC30-2014-0	X	GN30-2549	OS/360 Conversational Remote Job Entry Terminal Users Guide
36	GC30-2016-0	X	GN30-2548	OS/360 Conversational Remote Job Entry System Programmer's Guide
36	GC30-2015-0	X		OS/360 Remote Job Entry Planning for IBM 2770 RJE Support
36	GY27-7128-6	X		OS/360 Control Program with MFT/360S-CI-505-360S-CI-535
36	GY27-7159-1	X		OS/360 Graphic Job Processor Support - 360S-RC-541 - PLM
36	GY27-7166-0 GY27-7192	X		OS/360 and 1130 Disk Monitor System - S/360 Job Processing From a Remote 1130/2250 Subsystem - 360S-RC-543, 1130-CQ-012
36	GY27-7236-0			OS/360 MFT Supervisor PLM
36	GY28-6605-4 GY28-2392	X	GN28-2422	OS/360 Introduction to Control PLM
36	GY28-6612-4 GY27-7188 GY27-7189	X	GN27-1337	OS/360 Fixed-Task Supervisor PLM - 360-CI-505
36	GY28-6613-5			OS/360 Job Management PLM
36	GY28-6659-5 (GN27-1348)	X		OS/360 MVT Supervisor - PLM - 360S-CI-535
36	(GY28-6660-7)			OS/360 MVT Job Management - PLM - 360S-CI-535
36	GY28-6661-4 (GN27-1344)	X		OS/360 Initial Program Loader and Nucleus Initialization Program - PLM
36	GY28-6681-2			OS/360 Release 18
36	(GY28-6745-0			S/360 OS: Time Sharing Option Catalog Management, PLM)
36	(GY28-6770-0			S/360 OS: Time Sharing Option Terminal Monitor Program and Service Routines PLM)
36	(GY28-6771-0			S/360 OS: Time Sharing Option Command Processor PLM Volume I Account)
36	(GY28-6772-0			S/360 OS: Time Sharing Option Command Processor PLM Volume II, Allocate, Call, Cancel/Status, Delete)
36	(GY28-6773-0			S/360 OS: Time Sharing Option Command Processor PLM Volume III Edit)
36	(GY28-6774-0			S/360 OS: Time Sharing Option Command Processor PLM, Volume IV Exec, Free, Help, Link Listalc, Listbc)
36	(GY28-6775-0			S/360 OS: Time Sharing Option Command Processor PLM, Volume V, LISTCAT, LISTDS, LOADGO, OPERATOR, OUTPUT)
36	(GY28-6776-0			S/360 OS: Time Sharing Option Command Processor, PLM, Volume VI, Profile Protect, Rename, Run, Send, Submit, Terminal, Time, When/End)
36	(GY28-6777-0			S/360 OS: Time Sharing Option Command Processor, PLM, Volume VII, Test)
36	GY30-2005-4 GY30-2542	X		OS/360 Remote Job Entry - 360S-RC-536-PLM
36	GY30-2006-1		GY30-2537	S/360 DOS, BPS, RJE Work Station Program PLM

		COMMON TO RELEASE 19 & 20	THIS TNL IS APPLICABLE TO RELEASE 20 ONLY DESTROY IF NOT REQUIRED	TITLE
36	GY30-2011-0 GY30-2550	X	GY30-2553	OS/360 Conversational Remote Job Entry PLM Program Number 360S-RC-551
37	GC28-6648-0* GN28-2249 GN28-2270 GN28-2303 GN28-2324	X		OS/360 TESTRAN
	GC28-6648-1*	X		
37	GC28-6650-4	X		OS/360 On-Line Test Executive Program
37	GY28-6611-0 GY28-2371 (GN26-8016)	X		OS/360 TESTRAN PLM
37	GY28-6651-3	X		OS/360 On-Line Test Execution Program -

OS RELEASE 19

The publications listed under this section shows those items that pertain to Release 19 only and the temporary T Form No. to be used for ordering purposes. If TNL's only are required they may be ordered using the "N" Form Number listed.

		TEMPORARY NUMBER FOR ORDERING PURPOSES	TITLE
20	GC28-6535-7	GT28-6535 GN28-2436	OS/360 Concepts and Facilities
20	GC28-6551-11	GT28-6551 GN28-2438	OS/360 Storage Estimates
20	GC28-6540-9	GC28-6540 GN28-2413	OS/360 Operator's Guide
20	GC28-6631-9	GT28-6631 GN28-2440 GN28-2429	OS/360 System Messages and Codes
20	GC28-6670-3	GT28-6670	OS/360 Programmer's Guide to Debugging
20	GC28-6691-1	GT28-6691 GN28-2433 GN28-2444	OS/360 Operators Reference
21	GC26-3756-4	GT26-3756 GN33-8075	OS/360 Assembler (F)
21	GC28-6514-6	GT28-6514 GN33-8072	OS/360 Assembler Language
21	GY26-3700-1	GT66-3700 GY33-8028	OS/360 Assembler (F)
29	GC28-6594-6	GT28-6594 GN33-6016	OS/360 PL/I F Programmers Guide
30	GC28-6680-2	GT28-6680	OS/360 Tape Labels
30	GY28-6609-4	GT68-6609	OS/360 Input/Output Support Open/Close/ EOV PLM
31	GC28-6554-9	GT28-6554 GN28-2439 GN26-0613	OS/360 System Generation
31	GC28-6719-0	GT28-6719	OS/360 Service Aids
31	GY27-7184-0	GT67-7184 GN27-1332	OS/360 Machine Check Handler IBM S/360 Model 85
31	GY28-6651-2	T68-6651	OS/360 OLTEP - PLM
31	GY28-6667-0	T68-6667 GY28-2357 GY28-6401 GY28-6404	OS/360 Linkage Editor (F/PLM
31	GY28-6714	T68-6714 GY28-2401 GY28-6405	OS/360 Loader - PLM
32	GC28-6586-11	GT28-6586	OS/360 Utilities
32	GC28-6586-10	GT28-6586	OS/360 Utilities
32	GY28-6614-6	GT68-6614	OS/360 Utilities Program PLM - 360S-UT-506

		TEMPORARY NUMBER FOR ORDERING PURPOSES	TITLE
33	GC28-6543-5	T28-6543 GN33-8054 GN33-8070	OS/360 Sort/Merge
36	GC27-6939-7	GT27-6939 GN28-2425	OS/360 Planning for Multiprogramming with a fixed Number of Tasks MFT
36	GC28-6539-9	GC28-6539	OS/360 Job Control Language
36	GC28-6628-5	GT28-6628	OS/360 System Control Blocks
36	GC28-6646-3	GT28-6646	OS/360 Supervision and Data Management Services
36	GC28-6647-4	GT28-6647	OS/360 Supervisor and Data Management Macro/Instructions
36	GC28-6703-0	GT28-6703	OS/360 Job Control Language Users Guide
36	GC28-6720-1	GT28-6720 GN28-2442	OS/360 MVT Guide
36	GY27-7128-5	GT67-7128	OS/360 Control Program with MFT/ 360S-CI-500 - 360-CI-535
36	GY28-6659-4	T68-6659 GN27-1338	OS/360 MVT Supervisor
36	GY28-6660-5	GT68-6660	OS/360 MVT Job Management - PLM - 360-CI-535
36	GY28-6661-3	GT68-6661	OS/360 Initial Program Loader and Nucleus Initialization Program - PLM
37	GC28-6650-3	GT28-6650	OS/360 On-Line Test Executive Program

INTERACTIVE TERMINAL FACILITIES (ITF)

		TEMPORARY NUMBERS TO RELEASE 1	
20	LY28-6840-1	LT68-6840-0	IBM System/360 OS/DOS ITF Program Logic Index Program Numbers 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
23		GC28-6826-1	IBM System/360 OS/DOS ITF: Basic General Information Program Numbers: 5734-RC3, 5736-RC2
23	SC28-6835-1	ST28-6835-0 SN28-0412	IBM System/360 OS/DOS ITF: Basic Terminal User's Guide Program Numbers 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
23	(SC28-6840-0		IBM System/360 OS (TSO) ITF: BASIC Terminal User's Guide Program Number 5734-RC2 & 5734-RC4)
23	LYC7-5018-0		OS/ITF Release 2 (Basic)
23	LY28-6836-0 LN28-0420 LN28-0429 LN28-0419 (LN28-0433)		IBM System/360 OS/DOS ITF Program Logic, Language Component: Basic Routines Program Numbers? 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
29	GC28-6820-2		IBM System/360 OS ITF: PL/I and Basic Program Numbers: 5734-RC1, 5734-RC3
29	GC28-6821-2		IBM System/360 DOS ITF: PL/I and Basic Program Numbers: 5736-RC1, 5736-RC2
29	GC28-6825-2	GT28-6825-1	IBM System/360 OS/DOS ITF: PL/I General Information Program Numbers 5734-RC1, 5736-RC1
29	GC28-6829-1		IBM System/360 OS ITF: PL/I and Basic
29	GC28-6830-1	GT28-6830-0	IBM System/360 DOS ITF: PL/I and Basic
29	(GC28-6831-0		IBM System/360 OS Time Sharing Option ITF: PL/I and BASIC)
29	SC28-6833-1	ST28-6833-0	IBM System/360 OS/DOS ITF PL/I Introduction Program Numbers: 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
29	SC28-6834-1	ST28-6834-0 SN28-0411	IBM System/360 OS/DOS ITF: PL/I Terminal Users Guide Program Numbers 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2

			TEMPORARY NUMBER TO RELEASE 1	
29	(SC28-6838-0			IBM System/360 OS (TSO) ITF: PL/I Introduction)
29	(SC28-6839-0			IBM System/360 OS (TSO) ITF: PL/I Terminal User's Guide)
29	LYC7-5016-0			OS/ITF Release 2 (PL/I)
29	LY28-6835-1 (LN28-0432)		LT68-6835-0 LN28-0419	IBM System/360 OS/DOS ITF Program Logic Language Component PL/I Routines Program Numbers 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
31	SC28-6836-1		ST28-6836-0 SN28-0410 SN28-0418	IBM System/360 OS/DOS ITF Installation Reference Material Program Numbers 5734-RC1, 5734-RC2, 5736-RC1, 5736-RC2
31	LY28-6832-1		LT68-6832-0 LN28-0409	IBM System/360 OS/DOS ITF Program Logic Introduction and Method of Operation. Program Number 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
31	LY28-6833-1		LT68-6833-0 LN28-0417	IBM System/360 OS/DOS ITF Program Logic Initialization System Control, and System Support Program Numbers 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
31	LY28-6837-1		LT68-6837-0 LN28-0421	IBM System/360 OS/DOS ITF Program Logic Language Component: Common Routines & Reference Data Program Numbers 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
31	(SC28-6841-0			IBM System/360 OS (TSO) ITF Installation Reference Material)
36	LYC7-5017-0			OS/ITF Release 2 (Shared)
36	(LY28-6834-2)		LT68-6834-0	IBM System/360 OS/DOS ITF Program Logic, Language Component: Controller Program Numbers 5734-RC1, 5734-RC3, 5736-RC1, 5736-RC2
40	(LY28-6842-0			IBM System/360 OS (TSO) ITF Program Logic Initialization, System Control, and System Support)
85	SX28-6813-1		T88-6813-0	IBM System/360 OS/DOS ITF: PL/I Reference Card Program Numbers: 5734-RC1, 5736-RC1, 5734-RC3, 5736-RC2
85	SX28-6814-1		T88-6814-0	IBM System/360 OS/DOS ITF: Basic Reference Card Program Numbers 5734-RC3, 5736-RC2, 5734-RC1, 5736-RC1
90	GR20-9396-0			System/360 Installing OS/360, Interactive Terminal Facility
90	GR20-9401-0			System/360 Installing DOS/360 Interactive Terminal Facility
	LYC7-5000-0	LNC7-5000		IBM Operating System/360 DOS ITF (Microfiche) Program Numbers 5736-RC1, 5737-RC1
	LYC7-5001-0	LNC7-5001		IBM Operating System/360 DOS ITF (Microfiche) Program Numbers 5736-RC1, 5737-RC1
	LYC7-5002-0	LNC7-5002		IBM Operating System/360 DOS ITF (Microfiche) Program Numbers 5736-RC1, 5737-RC1
	LYC7-5003-0	LNC7-5003		IBM Operating System/360 DOS ITF (Microfiche) Program Numbers 5736-RC1, 5737-RC1
	LYC7-5004-0	LNC7-5004		IBM Operating System/360 DOS ITF (Microfiche) Program Numbers 5736-RC1, 5737-RC1
	LYC7-5005-0	LNC7-5005		IBM Operating System/360 DOS ITF (Microfiche) Program Numbers 5736-RC1, 5737-RC1
	LYC-5006-0			IBM Operating System/360 ITF Program Numbers 5734-RC1, 5734-RC3
	LYC7-5007-0			IBM Operating System/360 ITF Program Numbers 5734-RC1, 5734-RC3

TEMPORARY
NUMBERS TO
RELEASE 1

	LYC7-5008-0		IBM Operating System/360 ITF Program Numbers 5734-RC1, 5734-RC3
	LYC7-5009-0		IBM Operating System/360 ITF Program Numbers 5734-RC1, 5734-RC3
	LYC7-5010-0		IBM Operating System/360 ITF Program Numbers 5734-RC1, 5734-RC3
	LYC7-5011-0		IBM Operating System/360 ITF Program Numbers 5734-RC1, 5734-RC3
	LYC7-5013-0		IBM System/360 DOS ITF Release II (PL/I) Program Numbers 5736-RC1, 5736-RC2
	LYC7-5014-0		IBM System/360 DOS ITF Release II (SHARED) Program Numbers 5736-RC1, 5736-RC2
	LYC7-5015-0		IBM System/360 DOS ITF Release II (BASIC) Program Numbers 5736-RC1, 5736-RC2

CALL/360-OS

20	GH20-0673-2		System Description Manual
23	GH20-0699-2		Basic Language Reference Manual Program Number 360A-CX-42X
23	†GYB0-0540-1		Version 1 BASIC Assembly Listings
23	GY20-0530-0	GN20-2295	Basic System Manual
25	GH20-0710-2		FORTRAN Language Reference Manual - Program Number 360A-CX-42X
25	†GYB0-0541-1		Version 1 FORTRAN Assembly Listings
25	GY20-0531-0	GN20-2294	FORTRAN System Manual
29	GH20-0700-2		PL/I Reference Manual
29	GYB0-0542-1		Version 1 PL/I Assembly Listings
29	GY20-0567-1		PL/I System Manual - Volume I
29	GY20-0568-0		PL/I System Manual - Volume II
29	GY20-0569-0		PL/I System Manual Volume III
29	GY20-0570-1		PL/I System Manual Volume IV
31	GH20-0787-1		Terminal Operations Manual Program Number 360A-CX-42X
31	GH20-0788-0	GN20-2211	Operations Manual Program Number 360A-CX-42X
31	†GYB0-0538-1		Version 1 Execute Assembly Listing Program Number 360A-CX-42X
32	GH20-0786-2		Executive and Utilities Program Description Manual Program Number 360A-CX-42X
32			Version 1 Utility Assembly Listings Program Number 360A-CX-42X
32	GY20-0529-1		Executive & Utilities System Manual

The temporary order numbers for CALL/360 and their applicable TNL's are no longer available as of June 5, 1971.

TIME SHARING SYSTEM (TSS)

	TSS VERSION 8	TNL TO V8 ONLY	COMMON TO V.7 & V.8	TEMP ORD # FOR VERSION 7 ONLY	TITLE
20		GN28-3139	GC28-2003-4 GN28-3126		S/360 Time Sharing System Concepts & Facilities
20			GC28-2023-3		S/360 Time Sharing System Master Index
20	GC28-2037-6 GN28-3137	GN28-3165			S/360 Time Sharing System Messages
20	GC28-2043-11			GT28-2043-10	S/360 Time Sharing System Addendum
20	GC28-2048-4			GT28-2048-3	S/360 Time Sharing System Introducing TSS/360
20	GX28-6400-2	GN28-3172			S/360 Time Sharing System TSS/360 Quick Guide for Users
20	GX28-6401-1 GN28-3173				S/360 Time Sharing System TSS/360 Quick Guide for System Programmers
20	GC28-6756-0	GN28-2426			IBM System/360: Planning for the use of Information Interchange Standards
21		GN28-3142	GC28-2000-3 GN28-3118		S/360 Time Sharing System Assembler Language
21	GC28-2032-4	GN28-3140			S/360 Time Sharing System Assembler Programmers Guide
21		GN28-3138	GY28-2021-1 GY28-3100 GN28-3129		S/360 Time Sharing System - TSS Assembler - PLM
25		GN28-3169	GC28-2007-2 GN20-3060 GN28-3061 GN28-3063		S/360 Time Sharing System FORTRAN IV
25		GN28-3141	GC28-2025-3 GN28-3067		S/360 Time Sharing System FORTRAN Programmers Guide
25	GC28-2026-3				S/360 Time Sharing System FORTRAN IV Library Subprograms
25		GN28-3167	GY28-2019-1		S/360 Time Sharing System FORTRAN IV Compiler - PLM
25	GY28-2020-1	GN28-3153			S/360 Time Sharing System - FORTRAN IV Library - PLM
29	GC28-2045-1	GN28-3171			S/360 Time Sharing System PL/I Reference Library
29	GC28-2046-1				S/360 Time Sharing System - PL/I Library Computational Subroutines
29	GC28-2049-0	GN28-3160			S/360 Time Sharing System - PL/I Programmers Guide
29		GN28-3161	GY28-2051-0		S/360 TSS PL/I Compiler PLM
29		GN28-3162	GY28-2052-0		S/360 TSS PL/I Library Computational Subroutines PLM
30	GC28-2056-0	GN28-3168			S/360 Time Sharing System - System Data Management Facilities
30		GN28-3151	GY28-2016-3 GN28-3123		S/360 Time Sharing System Access Methods - PLM
		GN28-3166	GY28-2014-1 GY28-3099 GN28-3115 GY28-3114		S/360 Time Sharing System - Program Control System - PLM
31		GN28-3117	GC28-2005-3		S/360 Time Sharing System Linkage Editor
31	GC28-2010-5	GN28-3147			S/360 Time Sharing System Generation and Maintenance
31		GN28-3150	GY28-2015-5 GN28-3106		S/360 TSS System Generation and Maintenance PLM

	TSS VERSION 8	TNL TO V8 ONLY	COMMON TO V.7 & V.8	TEMP ORD # FOR VERSION 7 ONLY	TITLE
31		GN28-3152	GY28-2018-2 GN28-3124		S/360 Time Sharing System - System Service Routines - PLM
31		GN28-3116	GY28-2030-1 GY28-3083 GY28-3098 GY28-3103		S/360 Time Sharing System - Linkage Editor - PLM
31		GN28-3128	GY28-2031-2		S/360 Time Sharing System - Dynamic Leader - PLM
32	GY28-2039-3	GN28-3134			S/360 Time Sharing System Independent Utilities - PLM
32		GN28-3158	GC28-2038-1 GN28-3056 GN28-3070		S/360 TSS Independent Utilities
36	GC28-2001-6	GN28-3136			S/360 Time Sharing System Command System Users Guide
36		GN28-3143	GC28-2004-4 GN28-3068		S/360 Time Sharing System Assembler User MACRO Instructions
36		GN28-3066	GC28-2017 GN28-3059		S/360 Time Sharing System Terminal Users Guide
36		GN28-3135 GN28-3174	GC28-2024-3 GN28-3071		S/360 Time Sharing System Managers and Administrators Guide
36	GC28-2033-7	GN28-3175		GT28-2033-6 GN28-3065	S/360 Time Sharing System Operators Guide
36	GC28-2044-0				S/360 Time Sharing System Planning for Remote Job Entry
36		GN28-3144	GC28-2006-0 GN28-3043 GN28-3062		S/360 Time Sharing System - Time Sharing Support System
36	GC28-2057-0	GN28-3163			S/360 TSS RJE
36	GY28-2009-2	GN28-3146			S/360 Time Sharing System - System Logic Summary - PLM
36	GY28-2011-5	GN28-3170			S/360 Time Sharing System - System Control Blocks - PLM
36		GN28-3149	GY28-2012-4 GN28-3131		S/360 Time Sharing System Resident Supervisor - PLM
36	GY28-2013-5	GN28-3164			S/360 Time Sharing System Command System - PLM
36	GY28-2041-3			GT68-2041-2 GY28-3131 GN28-3130	S/360 Time Sharing System - System Task Monitor - PLM
36	GY28-2047-3	GN28-3133			S/360 Time Sharing System - System Operator Task and Bulk I/O - PLM
37	GC28-2028-0				S/360 Time Sharing System Test and Maintenance User's Guide
37	GY28-2042-2	GN28-3159			S/360 Time Sharing System - On Line Test Control System - PLM
48		GN28-3150	GY28-2022-1 GN28-3122		S/360 Time Sharing System - Time Sharing Support System - PLM
50		GN28-3145	GC28-2008-2 GN28-3127		S/360 Time Sharing System - System Programmers Guide
50	GC28-2034-1			GT28-2034-0 GN28-3064	S/360 Time Sharing System - Multi-Terminal Task Programming and Operations

MODEL 44 PROGRAMMING SYSTEM

20	GC28-6810-1*	GN28-0562 GN33-8568	GN28-0570	System/360 Model 44 Programming System Concepts and Facilities
	GC28-6810-2*			
21	GC28-6811-1	GN33-8543	GN33-8663	System/360 Model 44 Programming System Assembler Language
21	GY28-6811-0	GY28-6817 GY33-8509	GY28-6824 GN33-8656	System/360 Model 44 Programming System Assembler - Prog. No. 360F-AS-616 - PLM
25	GC28-6515-8			System/360 Fortran IV Language
25	GC28-6596-4			System/360 Fortran IV Library Subprograms
25	GC28-6813-2	GN33-8602	GN33-8665	System/360 Model 44 Programming System Guide to System Use for FORTRAN Programmers
25	GC28-6819-0			S/360 FORTRAN IV Language Handbook for Conversion From IBM 7090/7094 FORTRAN IV
25	GY28-6815-1			System/360 Model 44 Programming System FORTRAN IV Compiler Program No. 360F-FC-618 - PLM
31	GY28-6813-0	GY28-6823	GN33-8640	System/360 Model 44 Programming System Linkage Editor Prog. No. 360F-ED-615 - PLM
32	GY28-6814-1	GY33-8521	GN33-8647	System/360 Model 44 Programming System Utilities and Standalone Programs - PLM
36	GC28-6812-2	GN33-8546	GN33-8664	System/360 Model 44 Programming System Guide to System Use
36	GC28-6814-1	GN33-8547	GN33-8666	System/360 Model 44 Programming System - Systems Programmer's Guide
36	GC28-6815-3	GN33-8598	GN33-8667	System/360 Model 44 Programming System - Operator's Guide
36	GY28-6812-1	GN33-8657		System/360 Model 44 Programming System Supervisor and Job Control Prog. Nos. 360F-IO-613 - 360F-CL-614 - PLM

60 APPLICATION PROGRAMS

NOTE: The publications listed under this heading are related to both Version 1 (360A-IL-09X) and Version 2 (5736-N11) of ALIS. See "Subject Code 65" for those manuals related to Version 2 alone.

The order numbers indicated by brackets constitute temporary order numbers.

			Advanced Life Information System (DOS) Version 1 360A-IL-09X
GH20-0126-4	GN20-2100		Application Description Manual
GH20-0483-1	GN20-2108	GN20-2177	Policy Master Record Code Book
GH20-0517-2			Operations Manual
GH20-0518-2			Program Description Manual
GH20-0519-1	GN20-2062		Utility Program Description Manual
GH20-0588-1	GN20-2098		Home Office Inquiry Program Terminal Operations Manual
GH20-0645-0	GN20-2097	GN20-2158	Batch Edit System Manual
GH20-0646-0	GN20-2109	GN20-2159	Input Edit System Manual
GH20-0647-0	GN20-2160		Frequently Used Record Formats System Manual
GH20-0648-0	GH20-2165	GN20-2161	Miscellaneous Volume System Manual
GH20-0649-1			File Maintenance Run Executive System Manual
GH20-0650-1			Data Cell Reorganization Program Policy Master Record Merge Program Data Cell Reconstruction Program Data Cell Restore Program System Manual
GH20-0651-1	GN20-2287		File Maintenance Include R Routines Narratives System Manual
GH20-0652-0	GN20-2095 GN20-2253	GN20-2164	File Maintenance Include R Routines Flowcharts System Manual
GH20-0653-1			File Maintenance Call S Routines Narratives System Manual
GH20-0654-0	GN20-2111 GN20-2254	GN20-2166	File Maintenance Call S Routines Flowcharts System Manual
GH20-0655-0	GN20-2094	GN20-2167	File Maintenance Issues, Additions, Complex Changes, and Terminations Transactions System Manual
GH20-0656-0	GN20-2112	GN20-2168	File Maintenance Simple Changes Transactions System Manual
GH20-0657-0	GN20-2093	GN20-2181	File Maintenance 36XX Financial Transactions-Payments System Manual
GH20-0658-0	GN20-2092	GN20-2182	File Maintenance Financial Transactions-Accounting Entries System Manual
GH20-0659-0	GH20-2091	GN20-2169	File Maintenance Status Transactions-Process and Quote Terminations System Manual
GH20-0660-0	GN20-0290	GN20-2170	File Maintenance Status Transactions-Process and Quote Miscellaneous, Loan Values, and Participation Values System Manual

GH20-0661-0	GN20-2171		File Maintenance Billing Transactions System Manual
GH20-0662-0	GN20-2104	GN20-2183	File Maintenance Premium Due, Overdue, and Anniversary Processing Transactions System Manual
GH20-0663-0	GN20-2089		File Maintenance Rate File Extract and Anniversary Extract Update Transactions System Manual
GH20-0664	GN20-2088		File Maintenance Contractual Changes and Notifications System Manual
GH20-0665-0	GN20-2087	GN20-2185	Output Analysis System Manual
GH20-0666-0	GN20-2186		Transaction Register System Manual
GH20-0667-0	GN20-2113	GN20-2172	Status Print Program System Manual
GH20-0668-0	GN20-2086		Policy Accounting Journal System Manual
GH20-0669-0	GN20-2085		Accounting Control System Manual
GH20-0670-0	GN20-2084		Error Register System Manual
GH20-0671-0	GN20-2083		Rate File Program System Manual
GH20-0672-0	GN20-2082		Home Office Inquiry Program System Manual
			System/360 Administrative Terminal System - DOS (ATS/DOS) Program Number 360A-CX-18X
GH20-0510-2			Application Description Manual
GH20-0509-1			Operators Manual
GH20-0508-1	GN20-2135		Program Description Manual
GH20-0511-1			Console Operators Manual
GY20-0174-0	GN20-2040		System Manual
G320-0956-1			Terminal Operators Quick Reference Guide
G320-0958-0			Computer Operators Quick Reference Guide
			System/360 Administrative Terminal System - OS (ATS/OS) Program Number 360A-CX-19
GH20-0297-3			Application Description Manual
GH20-0590-0	GN20-2043	GN20-2078	Console Operations Manual
GH20-0590-1*			
GH20-0589-0*	GN20-1932		Terminal Operations Manual
GH20-0589-1*	GN20-2079		
GH20-0589-2*			
GH20-0582-1			Program Description Manual
GY20-0320-0	GY20-0482		System Manual
G320-1002-1			Computer Operator's Quick Reference Guide
			System/360 Automated Chemistry Program 360ACP for the 1080 Data Acquisition 360A-UH-12X System
GH20-0475-1			Application Description
GH20-0516-0			Operations Manual
GH20-0515-0			Program Description Manual
			System/360 Autospot Numerical Control Processor 360A-CN-08X
GH20-0462-0	GN20-1064		Application Description
GH20-0373-2			Part Programming Manual - Version 2
GH20-0374-2			Operations Manual
GY20-0119-0	GY20-0141		System Manual
			System/360 AD-APT Autospot Numerical Control Processor 360A-CN-09X
GH20-0463-0	GN20-1065		Application Description
GH20-0375-1	GN20-1868		Part Programming Manual - Version 2
GH20-0374-2			Operations Manual
GY20-0118-0	GY20-0150		System Manual
			System/360 APT Numerical Control Processor 360A-CN-10X
GH20-0181-2			Application Description - Versions 3 and 4
GH20-0331-5			Operations Manual Version 4
GH20-0309-4	GN20-2347		Version 4 Part Programming Manual
GY20-0227-0	GY20-0370		Version 3 System Manual Flowcharts
GY20-0080-2			System Manual - Version 4
GY20-0357-0			System Manual - Version 4 Assembly Listings - Microfiche
			System/360 AD-APT/Autospot/OS/Numerical Control Processor Program Number 360A-CN-12X
GH20-0523-0			Application Description
GH20-0557-1			Operations Manual
GH20-0549-0*	GN20-1958		Part Programming Manual
GH20-0549-1*			
GY20-0267-0			System Manual
GY20-0348-0			System Manual - Assembly Listing - Microfiche
			System/360 Attached Support Processor System ASP 360A-CX-15X Version 2
GH20-0322-7 GT40-0322-6			Application Programmer's Manual

GH20-0321-8			Console Operator's Manual
GT40-0321-7			
GH20-0466-6			System Description
GT40-0466-5			
GH20-0529-0			MVT/Local Execution System Description
GH20-0323-8			System Programmer's Manual
GT40-0323-7			
GY20-0305-3			System Manual
GT60-0305-2			
GYB0-0508-1			Version 2 Program Listings - Microfiche
GTB0-0508-0			
			1400 Autocoder to COBOL Conversion Aid Program 360A-SE-19X
GH20-0352-2			Version 2 Application Description Manual
GY20-0106-1			Version 2 Operator's Manual
GY20-0105-1			Version 2 Programmer's Manual
GY20-0124-1			Systems Manual
			System/360 Bill of Material Processor 360A-ME-06X
GH20-0197-2*	GN20-1020	GN20-1864	Application Description
	GN20-2010		
GH20-0197-3*			
GH20-0254-1	GN20-1865		Version 2 Operator's Manual
GH20-0246-1*	GN20-1053		Version 2 Programmer's Manual
GH20-0246-2*	GN20-1870	GN20-2011	
	GN20-2213		
GY20-0099-0			Version 2 System Manual
			System/360 COBOL Edit on the 1401 1401-SE-13X
GH20-0217-0			Program Reference Manual
			Communication Control Application Program 360A-SC-01X
GH20-0244-0*	GN20-1016		Programmer's Manual
GH20-0244-1*			
			Computer System Simulator/360-360A-SE-29R - Version 2
GY20-0130-2			Program Description and Operations Manual
			System/360 Continuous System Modeling Program 360A-CX-16X
GH20-0240-2			Application Description
GH20-0368-2			Operator's Manual
GY20-0111-0	GY20-0258	GY20-0374	System Manual
GH20-0367-3			User's Manual
			Coursewriter III for System/360 Version 2 - 360A-UX-01X
GH20-0735-0			Application Description
GH20-0609-0	GN20-2050	GN20-2232	Author's Guide
GH20-0610-1	GN20-2207	GN20-2345	Supervisor's Guide
GH20-0608-1			Student/Monitor User's Guide
GH20-0720-0	GN20-0720		Operators Guide
GY20-0372-0	GY20-0586	GN20-2343	System Programmer's Guide
			DAMPS - 360A-CX-20X - Version 2
GH20-0538-1	GN20-2002	GN20-2281	Operations Manual
GH20-0537-1	GN20-2282		Program Description Manual
GY20-0211-1			System Manual
GYB0-0257-1			Assembler Language Listings System Manual - Microfiche
			Data Acquisition Multiprogramming System (DAMPS)
GH20-0494-0	GN20-1081	GN20-1940	Application Description Manual - Version 2
GH20-0468-0			System Description
GH20-0319-1*	GN20-1093	GN20-1921	System/360 Data Conversion and Label Processing Subroutines
	GN20-0319	GN20-1946	360A-SE-23X, Version 2 Program Reference Manual
GH20-0319-2			
GH20-0194-1			System/360 Data Conversion Utilities Application Description
			System/360 Data Conversion Utility I 360A-SE-15X
GH20-0233-0*	GN20-0067-0		Operator's Manual
GH20-0233-1*			
GH20-0232-1			Programmer's Manual
			System/360 Data Conversion Utility II Sequential Direct Access Indexed 360A-SE-20X
GH20-0314-1	GN20-1291		Operator's Manual Version 3
GH20-0313-1	GN20-1092	GN20-1922	Programmer's Manual Version 3
GY20-0067-0			System Manual Version 2
			System/360 Data Conversion Utility III, Version 2 - 360A-SE-26X
GH20-0286-0			Operator's Manual
GH20-0285-0	GN20-1006		Programmer's Manual
GY20-0042-1			System Manual

			System/360 Decision Logic Translator 360A-CX-32X
GH20-0492-1			Application Description Manual
GH20-0573-0	GN20-2223		Operations Manual
GH20-0572-0			Program Description Manual
GY20-0263-0			System Manual
			System/360 Demand Deposit Accounting 360A-FB-15X
GE20-0246-0			Application Description
GH20-0262-0			Operator's Manual
GH20-0263-0*	GN20-1009	GN20-1028	Programmer's Manual
GH20-0263-1*			
			System/360 Document Processing System 360A-CX-12X
GH20-0315-0			Application Description
GH20-0477-0*	GN20-1885	GN20-1919	Program Description and Operations Manual
GH20-0477-1*	GN20-2009	GN20-2064	
	GN20-2123		
GH20-0477-2*			
GY20-0143-1			System Manual
			System/360 Flowchart 360A-SE-22X
GH20-0199-1	GN20-1941		Application Description
GH20-0294-1	GN20-1943		Operator's Manual
GY20-0062-0	GY20-0356		System Manual
GH20-0293-0*			User's Manual
GH20-0293-2			
			General Purpose Simulation System for OS (360A-CS-17X) and DOS (360A-CS-19X)
GH20-0186-3			Application Description Manual for OS & DOS
GH20-0304-0			Introductory User's Manual for OS & DOS
GH20-0311-3			Operators Manual for OS
GH20-0326-3			Users Manual for OS & DOS
GH20-0327-1	GN20-1858		Operators Manual for DOS
GY20-0075-0			System Manual for OS and DOS
			System/360 1287 Input Conversion Program 360A-DR-07X
GE20-0306-1			Application Description
GH20-0528-0	GN20-2022		Operations Manual
GH20-0527-0	GN20-2021		Program Description Manual
GY20-0209-1			System Manual
			System/360 Inventory Control - 360A-MF-04X
GH20-0471-1	GN20-2013		Application Description
GH20-0556-0			Operations Manual
GH20-0555-0	GN20-2014		Program Description Manual
GY20-0256-0			System Manual
			Linear Programming System/360 LPS/360, 360A-CO-18X
GE20-0350-0			A Preface to Linear Programming and its Applications
GH20-0513-1			Application Description
GH20-0611-0			Operations Manual
GH20-0607-0			Program Description Manual
GY20-0405-0			System Manual
†GYB0-0414-0			Listings Microfiche
GH20-0844-0			Management Information System for Public Utilities with the IBM System/370
			Marvel/360 360A-CO-15X
GH20-0496-0	GN20-1088	GN20-1860	Primer
GH20-0512-1			Operations Manual
GH20-0505-0*	GN20-1101	GN20-1880	Program Description Manual
	GN20-1961	GN20-1956	
GH20-0505-1*			
GY20-0205-0	GY20-0481		System Manual
			System/360 Mathematical Programming System 360A-CO-14X
GH20-0136-4			Application Description
GH20-0602-0	GN20-2074	GN20-2229	Operations Manual
GH20-0372-3			Program Reference Manual (READCOMM) Version 2
GH20-0290-3	GN20-1999		Control Language - User's Manual - Version 2
GH20-0476-0*	GN20-1857		Linear and Separable Programming - Users Manual - Version 2
GH20-0476-1*	GN20-1883	GN20-1898	
	GN20-1935	GN20-1990	
GH20-0603-0			Message Manual
GY20-0065-2	GY20-0400	GY20-0506	System Manual - Version 2
GY20-0353-0			Flowchart System Manual - Version 2

		Mathematical Programming System/360 Report Generator MPSRG 360A-CO-20X
GH20-0136-4		Application Description Manual
GH20-0561-0	GN20-1949	Operations Manual
GH20-0560-0*	GN20-1948	Program Description Manual
GH20-0560-1*		
GY20-0294-0*	GY20-0376	System Manual
GY20-0294-1*		
GY20-0314-0		Assembly Listings System Manual Microfiche
		System/360 Matrix Language - MATLAN 360A-CM-05X
GH20-0479-1	GN20-2069	Application Description
GH20-0559-1		Operations Manual
GH20-0564-0	GN20-2070	Program Description Manual
GY20-0261-1		System Manual
GY20-0347-0	GY20-0399	Listings: System Manual - Microfiche
† GYB0-0347-0		
		Mechanism Design System - Kinematics 1130-EM-03X, 360A-EM-04X, 360A-EM-05X
GH20-0493-1		Application Description
GH20-0618-0		Operations Manual
GH20-0617-0		Program Description Manual
		Medical Information System Programs (MISP) 360A-UH-08L
SH20-0807-0		Version 2 - Installation Aid Manual.
SH20-0808-0		Version 2 - Program Description Manual - Program Number 5736-H11.
GY20-0153-1		Application Description
GY20-0155-0		Application Description, Programmer's Manual
GY20-0157-0*		Operations Manual
GY20-0157-1*	GN20-2274	
GY20-0154-1		Program Description Manual
		System/360 Online Teller Program with Background Processing Capability 360A-FB-16X
GH20-0149-3		Application Description
GH20-0325-1	GN20-2204	Operator's Manual
GH20-0305-1	GN20-2205	Programmer's Manual
GY20-0071-1	GN20-2206	System Manual
GE20-0228-0*	GN20-1071	Optimum Bond Bidding 360A-FI-06X User's Manual
(GE20-0228-1)*		
		Plan Graphics Support for the IBM 2250 on System/360 (OS) Program Number 360A-CX-34X
GH20-0535-2		Application Description Manual
GH20-0614-0		Program Description Manual
GH20-0615-0		Operations Manual
GY20-0394-0		System Manual
		Problem Language Analyzer Plan (DOS) Program Number 360A-CX-26X
GH20-0490-1		Application Description Manual
GH20-0594-0		Program Description Manual
GH20-0597-0		Operations Manual
GH20-0626-0		User's Manual
GY20-0345-0		System Manual Volume 1 Flowchart Narratives
GY20-0346-0		System Manual Volume II Flowcharts
GY20-0350-0		System Manual Volume III, Assembly Listings
		Problem Language Analyzer Plan (OS) Program Number 360A-CX-27X
GH20-0490-1		Application Description Manual
GH20-0594-0		Program Description Manual
GH20-0596-1		Operations Manual
GH20-0626-0		User's Manual
GY20-0345-0		System Manual Volume I Flowchart Narratives
GY20-0346-0		System Manual Volume II Flowcharts
GY20-0351-0		System Manual Volume IV Assembly Listings
		System/360 Product Structure Retrieval Program - 360A-ME-07X
GH20-0329-0*	GN20-1023	Application Description
GH20-0329-1*	GN20-2015	
GH20-0370-0		Operator's Manual
GH20-0369-0		Programmer's Manual
GY20-0112-0		System Manual

			Program for Optical System Design/II POSD/II - 1130-EO-14X, 360A-EO-15X (OS), 360A-EO-16X (DOS)
GH20-0489-1			Application Description Manual
GH20-0578-1			Operations Manual
GH20-0577-1			Program Description Manual
GY20-0312-0			System Manual
GY20-0364-0			System Manual - Assembly Listings (OS)
GY20-0365-0			System Manual - Assembly Listings (DOS)
			Project Control System (360A-CP-06X) Version 2
GH20-0222-2			Application Description Manual
GH20-0376-2	GN20-2214	GN20-2312	Program Description & Operations Manual
GY20-0126-1*	GY20-0379	GY20-0477	System Manual
	GY20-0549		
GY20-0126-2*			
† GYB0-0304-1			Listings - System Manual - Microfiche
			Project Management System for IBM System/360 360A-CP-04X Version 2
GH20-0210-1			Application Description Manual
GH20-0344-2			Program Description & Operations Manual
GY20-0083-0*	GY20-0166		Network Processor System Manual
GY20-0083-1*	GY20-0218		
GY20-0083-2*			
GY20-0084-0*	GY20-0151		Cost Processor System Manual
GY20-0084-1*	GY20-0219		
GY20-0084-2*			
GY20-0085-0*	GY20-0165		Report Processor System Manual
GY20-0085-1*	GY20-0220		
GY20-0085-2*			
GY20-0204-0	GY20-0212		Flowchart System Manual
			Property and Liability Information System (PALIS) Program Number 360A-IF-10X
GH20-0283-2			Application Description Manual
GH20-0501-0			Program Description Manual
GH20-0498-2			Basic Program Operations Manual
GH20-0497-2			Basic Program Description and System Manual
			Property and Liability Information System (PALIS) Program Number 360A-IF-11X
GH20-0283-2			Application Description Manual
GH20-0501-0			Program Description Manual
GH20-0499-1			Automobile Premium Processing Program Description and System Manual
GH20-0500-1			Automobile Claims Processing Program Description and System Manual
			Property and Liability Information System (PALIS) Program Number 360A-IF-13X
GH20-0283-2			Application Description Manual
GH20-0501-0			Program Description Manual
GH20-0503-1	GN20-2174		Other Lines Premium Processing Program Description and System Manual
GH20-0504-1	GN20-2173		Other Lines Claims Processing Program Description and System Manual
GE20-0022-1			System/360 Public Utilities Application Manual
			Real Time Monitor (RTM) Program Number 360A-SV-001
GH20-0824-0	GN20-2315		Introduction
GH20-0876-0			Program Description Manual
GH20-0877-0			Operations and Programmer's Guide
GY20-0599-0			System Manual
			System/360 Remote Access Computing System (RAX) 360A-CX-17X
GH20-0545-1			Application Description Version 4
GH20-0355-1	GN20-1937		Operations Manual - Version 4
GH20-0354-2			Program Description Manual - Version 4
GY20-0101-2	GY20-0352	GY20-0476	System Manual - Version 4
			System/360 Remote Access Computing System (RAX 44-) 360A-CX-21X
GH20-0514-1			Application Description
GH20-0563-0			Operations Manual
GH20-0565-0			Program Description Manual
GY20-0262-0			System Manual

			System/360 Requirements Planning 360A-MF-05X
GH20-0487-2*	GN20-2016		Application Description Manual
GH20-0487-3*			
GH20-0584-0			Program Description Manual
GH20-0583-0			Operations Manual
GY20-0317-0			System Manual
			Retail IMPACT Fashion System Under OS/360 360A-DR-04X
GH20-0481-0			Operations Manual
GH20-0480-0*	GN20-1084	GN20-1908	Program Description Manual
	GN20-2018		
GH20-0480-1*			
			Retail IMPACT Staple System OS - 360A-DR-05X
GH20-0591-0*	GN20-2053		Program Description Manual
GH20-0591-1*			
GH20-0593-0			Operations Manual
			Retail IMPACT Fashion System under DOS/360 360A-DR-08X
GH20-0541-0	GN20-1910		Operations Manual
GH20-0540-0	GN20-1909	GN20-2017	Program Description Manual
			System/360 Retail IMPACT Staple System - DOS 360A-DR-09X
GH20-0592-1			Operations Manual - Version 2
GH20-0599-1*	GN20-2038	GN20-2041	Program Description Manual - Version 2
GH20-0599-2*	GN20-2054		
GH20-0599-3*			
GE20-0188-2*	GN20-1068		Retail IMPACT - Inventory Management Program and Control Techniques - Application Description
GE20-0188-3*			
			Scientific Subroutine Package Version III Program Number 360A-CM-03X
GH20-0166-5			Application Description Manual
GH20-0205-4			Programmer's Manual
GY20-0092-2			System Manual
			System/360 Scientific Subroutine Package (PL/I) 360A-CM-07X
GH20-0544-1			Application Description Manual
GH20-0586-0	GN20-2034		Program Description and Operations Manual
			Shared Hospital Accounting System (SHAS) 360A-UH-11X
GH20-0302-3			Application Description
GH20-0533-1	GN20-2156	GN20-2251	Program Description Manual
GH20-0534-1	GN20-2001	GN20-2147	Operations Manual
	GN20-2233		
GH20-0550-0			Teleprocessing Operations Manual
GY20-0251-0			Teleprocessing System Manual
GY20-0215-1	GY20-0428		System Manual
			Student Scheduling System/360 The Scheduler Program 360A-US-07X
GH20-0202-1			Application Description
GY20-0213-0			System Manual
GH20-0239-0*	GN20-0078		User's Manual
GH20-0239-1*			
			Student Scheduling System/360 The Tally and Conflict
GH20-0220-0			Matrix Programs 360A-US-06X User's Manual
			Test/360 Control Card Edit and Analysis Program Number 360A-SE-25X
GY20-0100-1			Application Description Manual
GY20-0116-0			Program Reference Manual
			System/360 Text Processor - Edit/360
GE20-0324-1			Application Description Manual
			System/360 TEXT Processor- Composition/360-360A-DP-08X
GE20-0256-2			Application Description Manual
GH20-0579-0	GN20-2246		Operations Manual
GH20-0585-0			Program Description Manual
GY20-0318-0			Volume I - Flowchart Narratives System Manual
GY20-0319-0			Volume II - Flowcharts System Manual
			System/360 Text Processor - Hyphenation 360A-DP-07X
GE20-0257-2			Application Description
GH20-0526-0	GN20-2036		Operations Manual
GH20-0525-0			Program Description Manual
GY20-0208-0			System Manual
			System/360 Vehicle Scheduling Program - 360A-ST-06X
GH20-0464-1	GN20-1917	GN20-1954	Application Description
GH20-0506-0*	GN20-1955		Program Description and Operations Manual
GH20-0506-1*			

GY20-0168-0			Schedule Production and Distance Listing System Manual
GYB0-0492-0			Assembler Listings - Microfiche
			System/360 Wholesale IMPACT Program Library 360A-DW-05X Version 2 and 360V-DW-06X
GH20-0173-3			Application Description
GH20-0256-2	GN20-2202		Operations Manual
GH20-0255-2	GN20-2201	GN20-2262	Program Description Manual
GY20-0230-0	GY20-0558		System Manual

61 TYPE III PROGRAMS WITH CLASS "A" MAINTENANCE

			Compatibility Operating System for Emulation of IBM 1410/7010 Data Processing Systems Operating on IBM System/360 Model 50 (COS/50 (360D-11.1.025)
GY20-0597-0			Program Logic Manual
†GYB0-0598-0			Microfiche Listings
			Control Program - 67/Cambridge Monitor System (CP-67/CMS) Version 3 Program Number 360D-05.2.005
GH20-0802-1			System Description Manual
GH20-0856-0			Operator's Guide
GH20-0857-0			Installation Guide
GH20-0858-0			Hardware Maintainability Guide
GH20-0859-0			User's Guide
GH20-0860-0			Script User's Manual
GY20-0590-0			Program Logic Manual
GY20-0591-0			Program Logic Manual
†GYB0-0592-0			Microfiche Listings
†GYB0-0593-0			Microfiche Listings
			Conversational Programming System (CPS) Program Number 360D-03.4.016
†GYB0-0517-1			Version 5 Listings
GH20-0757-0	GN20-2191		System Programmers Guide
GH20-0758-0			Terminal Users Manual
GH20-0759-0			Installation and Administration Manual
GY20-0504-0	GY20-0545		Program Logic Manual
†GYB0-0516-1			Conversational Remote Batch Entry (CRBE) Version 2 Listings, Program Number 360D-05.1.016
GH20-0719-0	GN20-2221		System/360 DOS Power II Application Description Manual
			System/360 DOS Power II Program Number 360D-05.2.006
GH20-0719-0	GN20-2221		Application Description Manual
GH20-0737-1			Program Description and Operations Manual
GYB0-0507-0			Listings - System Manual
GY20-0575-0			System Manual
GH20-0743-0			RJE Application Description Manual
GH20-0761-0	GN20-2259		RJE Program Description & Operations Manual
†GYB0-0527-1			RJE Listings System Manual
GY20-0576-1			RJE System Manual
†GYB0-0512-0			HASP: Version 2 Listings - Program Number 360D-05.1.014
†GYB0-0515-0			2495 Utility Program For OS/360 Listings - Program Number 360D-00.0.020

65 PROGRAM PRODUCTS - APPLICATIONS

Note: The publications listed under this heading are related only to Version 2 of ALIS. For publications related to both Version 1 (360A-IL-09X) and Version 2 (5736-N11) see "Subject Code 60 Application Programs."

			Advanced Life Information System (DOS) Version 2-5736-N11
LY20-0415-0	LN20-2103		Policy Exhibit Update Program System Manual - Feature Code: 8809
LY20-0416-0			Valuation Update Program System Manual - Feature Code: 8810
LY20-0417-0	LN20-2102	LY20-0523	Policy Master File Inventory Program System Manual - Feature Code: 8811
LY20-0418-0	LN20-2101		Financial Values Program System Manual - Feature Code: 8812
LY20-0419-0			Valuation Summary Program System Manual - Feature Code: 8813
LY20-0420-0			Policy Exhibit Balance Program System Manual - Feature Code: 8814
LY20-0421-0	LY20-0526		Policy Exhibit and Valuation Include (R) and Call (S) Routines System Manual - Feature Code: 8815

		Active Certificate Information Program (ACIP) Program Number 5736-F32
GH20-0775-0		Application Description Manual
SH20-0893-0		Operations Manual
SH20-0894-0		Terminal Operators Manual
SH20-0895-0		Program Description Manual
GH20-4044-0		Program Product Specifications
LY20-0628-0		System Manual - Feature Code 8033
		Agribusiness Management Information System - Program Number 5736-D51
GH20-0764-0		Application Description Manual
SH20-0684-0		Operations and Installation Manual
SH20-0846-0		Program Description Manual
SH20-0847-0		Operations Manual
GH20-4027-0		Program Product Specifications
† LYB0-0470-0		Assembly Listings Feature Code: 8301 Microfiche
LY20-0579-0		System Manual Feature Code 8012
		APL/360 - OS - 5734-XM1
GH20-0683-1		Users Manual
SH20-0684-0		Operations and Installation Manual
GH20-0689-1		Primer
† LYB0-0470-0		Assembler Listings - Feature Code 8301
		APL/360 - DOS - 5736-XM1
GH20-0683-1		Users Manual
SH20-0685-0		Operations Manual
SH20-0686-0		System Generation Manual
GH20-0689-1		Primer
† LYB0-0471-0		Assembler Listings
		Apparel Business Control System Program Number 5701-D12
GH20-0822-1		Application Description Manual
		System/360 Array Processing Subroutine Package - PS - 5736 - P71
GH20-0558-1		Application Description Manual
SH20-0619-0		Program Description Manual
SH20-0620-0		Operations Manual
LY20-0407-0		System Manual - Feature Code: 8101
		System/360 Array Processing Subroutine Package - OS - 5736 - P72
GH20-0558-1		Application Description Manual
SH20-0619-0		Program Description Manual
SH20-0621-0		Operations Manual
LY20-0406-0		System Manual - Feature Code: 8101
		Basic Courts System (BCS) Program Number 5736-G26
GH20-0888-0		Application Description Manual
GH20-4169-0		Program Product Design Objective
		Bill Processor Systems - IMX/360 Bridge Program Number 5734-XX9
GH20-0961-0		Application Description Manual
GH20-4172-0		Program Product Design Objective
GH20-0789-0		Brokerage Accounting System Elements (BASE) Application Description Manual Program Number 5736-F31.
		S/360 Capacity Planning - Infinite Loading - Capacity
GH20-0627-2		Planning - Finite Loading - Application Description Manual
SH20-0795-0		Operations Manual
SH20-0796-1		Program Description Manual
SH20-0978-0		Operations Manual - Infinite and Finite Loading
GH20-4014-0		Program Product Specifications Infinite Loading
GH20-4111-0		PPS - Infinite Loading
GH20-4112-0		PPS - Finite Loading
LY20-0535-0	LN20-2318	System Manual Infinite Loading Program Number 5736-M11 - Feature Code 8021.
LY20-0536-0	LN20-2317	System Manual Finite Loading - Program Number 5736-M12 - Feature Code 8022.

GH20-0813-0			CFO Autocoder to Assembler Language Instruction Set Translator (CATALIST) Program Number 5736-XX2
			Application Description Manual
SH20-0814-0			Program Description and Operations Manual
			Computer System Simulator II (CSSII) Program Number 5734-XS5
GH20-0874-0	GN20-2325		General Information Manual
SH20-0875-1			Program Description & Operations Manual
GH20-4034-0			Program Product Specifications
(GH20-4108-0			Program Product Specifications)
GH20-4163-0			Program Product Design Objectives
LY20-0661-0	LN20-2348		System Manual Feature Code 8035
			Consolidated Functions Ordinary II - CFO II Program Number 5736-N13
SH20-0936-0			Policy Master Record Code Book, Program Description Volume II
SH20-0937-0			Miscellaneous Program Data, Program Description Volume III
GH20-4161-0			Program Product Design Objective
			Consumer Goods System (COGS) -
GH20-0721-2			Allocation Application Description Manual
SH20-0820-1			Allocation Operations Manual 5736-D31
SH20-0821-1			Allocation Program Description Manual 5736-D31
GH20-4022-0			Allocation Program Product Specifications 5736-D31
GH20-4049-0			Allocation Program Product Specifications 5734-D32
LY20-0622-0			Allocation System Manual 5734-D32
GH20-0722-1	GN20-2241	(GN20-2356)	Forecasting Application Description Manual
SH20-0803-1			Forecasting Operations Manual Program Number 5736-D32
SH20-0804-1			Forecasting Program Description Manual 5736-D32
GH20-4023-0			Forecasting - Program Product Specifications 5736-D32
GH20-4048-0			Forecasting Program Product Specification 5734-D33
LY20-0621-0			Forecasting System Manual 5734-D33
			Control Program - 67 Online COBOL Symbolic Debugging Program Number 5799-AAE
GH20-0920-0			Application Description Manual
SH20-0921-0			User's Guide
SH20-0922-0			Installation Manual
SH20-0923-0			OS/360 in a Vertical Machine
LY20-0635-0			System Manual-Feature Code 8006
			System/360 Coursewriter III Version 2 Program Number 5734-E12
GH20-0735-0			Application Description Manual for OS and DOS
SH20-0744-0			Operators Guide for OS
LY20-0495-0	LN20-2344		System Programmers Guide for OS Feature Code 8000
			Customer Information Control System - OS - Standard (5736-U11)
GH20-0318-6			Applications Description Manual
SH20-0606-1			Operations Manual
SH20-0605-2			Program Description Manual
GH20-4043-0			Program Product Design Objective
LY20-0369-1	LN20-2268		System Manual (Feature Code 8805)
			Customer Information Control System/DOS-ENTRY Program Number 5736-XX6
GH20-0318-6			Application Description Manual
GH20-4153-0			Program Product Design Objective
			Customer Information Control System/DOS - Standard Program Number 5736-XX7
GH20-0318-6			Application Description Manual
GH20-4154-0			Program Product Design Objective
			Data/360 - DOS Program Number 5736-XS2
GH20-0723-0	GN20-2198		Application Description Manual
SH20-0727-0	SN20-2197		Console Operator's Guide
SH20-0729-0	SN20-2196		Terminal Operator's Guide
SH20-0879-0			Operators Guide
SH20-0885-0	SN20-2278		Terminal Operators Guide
GH20-0838-0			Introduction to Data/360 DOS
GH20-4039-0			Program Product Specifications
LY20-0493-0	LY20-0552		System Manual Feature Code 8018
LY20-0601-0			System Manual Feature Code 8018
			Data/360 - OS Program Number 5734-XS3
GH20-0853-0			General Information Manual
SH20-0925-0			Terminal Operators Guide
SH20-0926-0	SN20-2331		Console Operator's Guide

GH20-4068-0			Program Product Design Objective
GH20-4105-0			Program Product Specifications
LY20-0633-0			System Manual - Feature Code 8087
			System/360 DATA Base Organization and Maintenance Processor, Program Number 5736-XX4
GH20-0771-0			General Information Manual
SH20-0830-0	SN20-2252		Operations Manual
SH20-0829-0			Program Description Manual
GH20-4028-0			Program Product Specifications
LY20-0566-0			System Manual, Feature Code 8036
			Display Management System (DMS) Program Number 5734-XC1
GH20-0841-1	(GN20-2363)		Application Description Manual
SH20-0909-0			Program Description Manual
SH20-0919-0			Operations Manual
GH20-4103-0			Program Product Specifications
LY20-0634-0			System Manual Feature Code 8005
			Electronic Circuit Analysis Program II (ECAP II) for System/360 and 1130 Computing System Program Number 5711-EE1
GH20-0983-0			Application Description Manual
			Fare Quote/Ticketing Program Number 5736-T11
GH20-0873-1			Application Description Manual
SH20-0979-0			User's Guide
GH20-4166-0			Program Product Design Objectives
			Filing and Source Data Entry Techniques In Easier Retrieval - Low Core (FASTER LC) Program Number 5736-G22
GH20-0810-0	GN20-2299		Application Description Manual
SH20-0864-0	SN20-2297		Operations Manual
SH20-0863-0	SN20-2265	SN20-2298	Program Description Manual
GH20-4032-0			Program Product Specifications
LY20-0595-0			System Manual
			DOS Filing and Source Data Entry Techniques for Easier Retrieval - Multithread (DOS Faster MT) Program Number 5736-G24
(GH20-0903-0			Application Description Manual)
			S/360 Financial Terminal System Program Number 5736-F12
GH20-0763-1			Application Description Manual
SH20-0870-0			Program Description Manual
SH20-0871-0			Operations Manual
SH20-0872-0			Programmers Manual
GH20-4036-0			Program Product Specifications
LY20-0606-0			System Manual Volume I Flowchart Narratives Feature Number 8025
LY20-0607-0			System Manual Volume II Flowcharts Feature Number 8026
			FORTRAN Conversion Aid Program, PRPQ FA 1287: Program Number 5799-AAJ
GH20-0896-0			General Information Manual
SH20-0897-0			Program Description & Operations Manual
LY20-0608-0			System Manual Feature Code 8001
			Generalized Information System - Basic - Program Number 5736-CX1
GH20-0521-2			Application Description Manual
SH20-0625-0*	SN20-2030 SN20-2218	SN20-2131	Operations Manual
SH20-0625-1*			
SH20-0622-2			Program Description Manual - Volume 1 System Overview & Control
SH20-0623-0	SN20-2028	SN20-2134	Program Description Manual - Volume 2 Data Description Language
SH20-0736-0	SN20-2217		Program Description Manual Volume 3 Procedural Language
LY20-0422-1			System Manual - Volume 1 (Feature Code 8801)
LY20-0423-0	LY20-0441 LY20-0573	LY20-0499	System Manual - Volume 2 (Feature Code 8803)
LY20-0424-1	LY20-0574		System Manual Volume 3 (Feature Code 8804)
			System/360 Generalized Information System - 5736-CX1
GH20-0574-1			Application Description Manual
SH20-0632-0*	SN20-2129	SN20-2219	Operations Manual
SH20-0632-1*			
SH20-0630-1			Program Description Manual - Volume 1 - System Overview and Control
LY20-0425-0	LY20-0498	LY20-0572	System Manual - Volume

			Generalized Information System Version 2 Program Number 5734-XX1
GH20-0892-0			Application Description Manual
GH20-4170-0			Program Product Design Objective
			General Purpose Simulation System/360 OS Version 2 Program Number 5734-XS1
GH20-0691-0	GN20-2118		Application Description Manual
SH20-0692-0			Operator's Manual
SH20-0693-0	SN20-2119		Introductory User's Manual
SH20-0694-0	SN20-2120		User's Manual
LY20-0475-0	LY20-0550		System Manual Feature Code 8101
			General Purpose Simulation System/360 DOS Version 2 Program Number 5736-XS1
SH20-0691-0	GN20-2118		Application Description Manual
SH20-0693-0	SN20-2119		Introductory User's Manual
SH20-0694-0	SN20-2120		User's Manual
SH20-0698-0			Operators Manual
LY20-0483-0	LY20-0551		System Manual Feature Code 8101
			General Purpose Simulation System V (OS) Program Number 5734-XS2
GH20-0825-0			Application Description Manual
SH20-0851-0	SN20-2269		User's Manual
SH20-0866-0	SN20-2270		Introductory User's Manual
(SH20-0867-1)			Operations Manual
GH20-4035-0			Program Product Specifications
LY20-0596-0	LN20-2280		System Manual Feature Code 8101
			General Purpose Simulation System V (DOS) Program Number 5736-XS3
GH20-0826-0			Application Description Manual
SH20-0851-0	SN20-2269		User's Manual
SH20-0866-0	SN20-2270		Introductory User's Manual
SH20-0868-0			Operation's Manual
LY20-0602-0	LN20-2279		System Manual Feature Code 8101
			Graphic Analysis of Three-Dimensional Data (GATD) Program Number 5734-XX2
GH20-0539-1			Application Description Manual
SH20-0678-0			Program Description Manual
SH20-0679-0			Operations Manual
SH20-0680-0			Terminal Operations Manual
LY20-0455-0			System Manual - Volume 1 Feature Code 8101
			Information Management System/360 for the IBM System/360-5736-CX3
GH20-0524-0*			Application Description Manual - System Description
GH20-0524-1*	GN20-1945	GN20-2012	
GH20-0524-2*			
SH20-0635-1	SN20-2340		Operations Manual - Volume 1 - Systems Operation
SH20-0636-1	SN20-2341		Operations Manual - Volume II - Machine Operation
SH20-0634-1	SN20-2339		Program Description Manual
LY20-0431-1	LN20-2342		System Manual - Volume 1, PLM Feature Code: 8801
LY20-0432-0	LN20-2346		System Manual - Volume II, Flowcharts Feature Code: 8802
† LYB0-0433-1			System Manual - Volume III Assembly Listings, Feature Code: 8803, Microfiche
			Information Management System in the IBM System/360(System Description Version 2 5734-XX6)
GH20-0765-1			Application Description Manual
SH20-0910-0			System/Application Design Guide
SH20-0911-0			System Programming Reference Manual
SH20-0912-0			Application Programming Reference Manual
SH20-0913-0			Operator's Reference Manual
SH20-0914-0			Messages & Codes Reference Manual
SH20-0915-0			Utilities Reference Manual
GH20-4067-1			Program Product Design Objectives
GH20-4106-0			Program Product Specifications
LY20-0629-0	LN20-2328		System Manual - Volume I - Feature Code 8080
LY20-0630-0			System Manual Volume II - Flowchart Feature Code 8081
LYB0-0631-0			Data Base Listings Volume III - Feature Code 8082
† LYB0-0632-0			Data Communication Listings - Volume IV Feature Code 8083
			OS/360 Inventory Control Program Number 5734-M52
GH20-0752-0			Application Description Manual
SH20-0778-0			Operations Manual
SH20-0776-0			Program Description Manual
LY20-0528-0			System Manual - Feature Code 8011

			Law Enforcement Manpower Resources Allocation System (LEMRAS) 5736-G21
GH20-0629-0	GN20-2230		Application Description Manual
SH20-0696-0			Operations Manual
			System/360 DOS LEARN Administrative Terminal System Program Number 5736-XX3
GH20-0746-1	GN20-2237		Application Description Manual
SH20-0767-0	SN20-2236		Program Description Manual
SH20-0768-1			Administrative Terminal Workbook
GH20-4006-0			Program Product Specifications
LY20-0510-0			System Manual - Feature Code 8054
			System/360 OS LEARN Administrative Terminal System Program Number 5734-XX8
GH20-0745-1	GN20-2234		Application Description Manual
SH20-0766-0	SN20-2235		Program Description Manual
SH20-0768-1			Administrative Terminal Workbook
GH20-4007-0			Program Product Specifications
LY20-0509-0			System Manual - Feature Code 8053
			Mathematical Programming System Extended (MPSX) Program Number (5734-XM4)
GH20-0849-0			Introduction
SH20-0908-0			Program Description Manual - Mixed Integer
SH20-0924-0			Operations Manual
SH20-0932-0			User's Manual
SH20-0959-0			Message Manual
SH20-0960-0			Program Description Manual - Read Communications Format
SH20-0968-0			Program Description Manual - Linear and Separable Programming
GH20-4102-0			Program Product Specifications
†LYB0-0643-0			Assembly Listings - Feature Code 8007
†LYB0-0644-0			Assembly Listings - Feature Code 8008
LY20-0640-0			System Manual - Feature Code 8056
LY20-0641-0			Flowchart Manual - Feature Code 8057
LY20-0642-0			Flowchart Manual - Feature Code 8055
LY20-0646-0			System Manual - Feature Code 8054
			Medical Information System Program (MISP) Version 2 (5736-H11)
SH20-0805-0	SN20-2283		Operations Manual
GH20-0806-0			Application Description Manual
SH20-0809-0			Programmer's Manual
SH20-0815-0			Application File Description Manual
LY20-0561-0			System Manual
			MINIPERT Program Number 5734-XP3
GH20-0852-1			Introduction
GH20-4173-0			Program Product Design Objective
			Online Cobol Symbolic Debug for IBM CP-67 Systems Program Number 5799-AAE
GH20-4101-0			Program Product Specifications
			S/360 Order Allocation System - Program Number 5736-D41
GH20-0604-1			Application Description Manual
SH20-0726-0			Program Description Manual
SH20-0728-0	SN20-2247		Operations Manual
LY20-0496-0			System Manual
			PALIS Additional Facility (2314) Program Number 5736-N22
GH20-4031-0			Program Product Specifications
GH20-4071-0			Program Product Design Objectives
LY20-0587-0			Systems Reference Manual Feature Code 8007
			System/360 Power System Planning (PSP) For the Electric Utility Industry - 5736-U12
GH20-0532-2	GN20-2224		Application Description Manual
SH20-0676-1			Operations Manual
SH20-0675-0	SN20-2208 SN20-2288	SN20-2257	Program Description Manual
GH20-4017-0			Program Product Specifications
LY20-0546-0			Power Flow System Manual Volume III Program Number 5736-U12 - Feature Code 8172.
LY20-0553-0	LY20-0557		Short Circuit System Manual - Volume III Program Number 5736-U12 Feature Code 8174.
LY20-0554-0			Transient Stability System Manual - Volume IV Program Number 5736-U12 Feature Code 8173
LY20-0555-0			Engineering Data Management Services System Manual - Volume I Program Number 5736-U12 Feature Code 8174.

			Procedure Library - Mathematics (PL-MATH Program Number 5734-XM3
GH20-0854-1			General Information Manual
SH20-0985-0			Program Description Manual
SH20-0988-0			Operations Manual
GH20-4109-0			Program Product Specifications
LY20-0671-0			System Manual
			Project Management System/360, Version 3 - 5734-XP1
GH20-0690-0			Application Description Manual
SH20-0677-0	SN20-2199		Program Description and Operations Manual
LY20-0460-0			Flowchart System Manual - Feature Code: 8105
LY20-0456-0			Resource Allocation Processor System Manual - Feature Code 8104
LY20-0457-0*	LY20-0547		Network Processor System Manual Feature Code: 8101
LY20-0457-1*			
LY20-0459-0			Cost Processor - System Manual Feature Code: 8102
GY20-0467-0	GN20-0548		Report Processor System Manual - Feature Code 8103
†LYB0-0454-1			Listings - System Manual Feature Code: 8301 - Microfiche
			Project Management System IV Program Number 5735-XP4
GH20-0855-1			Introduction Manual
SH20-0898-0			Cost Processor Program Description and Operations Manual
SH20-0899-0			Network Processor Program Description and Operations Manual
SH20-0900-0			Resource Allocation Processor Program Description and Operations Manual
SH20-0901-0			Report Processor - Program Description and Operations Manual
GH20-4104-0			Program Product Specifications
			Property and Liability Information System (PALIS) Program Number 5736-N21
GH20-0499-1			Automobile Premium Processing - Program Description and System Manual
GH20-0283-3			Application Description Manual
GH20-0501-0			Program Description Manual
LY20-0461-0	LN20-2175	LN20-2264	Homeowners Premium Processing - Program Description and System Manual - Feature Code 8001
LY20-0462-0			Homeowners Claims Processing - Program Description and System Manual - Feature Code 8002
LY20-0609-0			Cost Processor System Manual Feature Code 8074
LY20-0610-0			Network Processor System Manual - Feature Code 8071
LY20-0611-0			Resource Allocation Processor System Manual - Feature Code 8077
LY20-0612-0			Report Processor System Manual - Feature Code 8068
LY20-0613-0			Cost Processor Flowchart Manual Feature Code 8075
LY20-0614-0			Network Processor Flowchart Manual - Feature Code 8072
LY20-0615-0			Resource Allocation Processor Flowchart Manual - Feature Code 8078
LY20-0616-0			Report Processor Flowchart Manual - Feature Code 8069
†LYB0-0617-0			Cost Processor Microfiche Listings - Feature Code 7409
†LYB0-0618-0			Network Processor Assembly Listings - Feature Code 7406
†LYB0-0619-0			Resource Allocation Processor Assembly Listings - Feature Code 7412
†LYB0-0620-0			Report Processor Assembly Listings - Feature Code 7030
			System/360 Remote Access Computing System with Disk Operating System (RAX-DOS) Program Number (5799-AAA)
GH20-0832-0			Application Description Manual
SH20-0837-0			Program Description Manual
SH20-0843-0			Operations Manual
GH20-4026-0			Program Product Specifications
			OS/360 Requirements Planning Program Number 5734-M51
GH20-0751-0	GN20-2263	(GN20-2349)	Application Description Manual
SH20-0777-0	SN20-2289	(SN20-2351)	Program Description Manual
SH20-0782-0	SN20-2286	(SN20-2350)	Operations Manual
GH20-4005-1			Program Product Specifications
GH20-4110-0			PPS - Special Feature 6015
LY20-0543-0	LN20-2290		System Manual - Feature Code 8010
			OS/360 Requirements Planning Interface Program Number 5736-M13
SH20-0790-0			Program Description Manual
SH20-0791-0			Operations Manual
LY20-0537-0			System Manual

			Resource Allocation (REAL/360) for Project Control System/360 Program Number (5736-XP2)
GH19-0014-1			Application Description Manual
SH19-0026-0			Program Description and Operations Manual
GH20-4030-0			Program Product Specifications
LY20-0473			Rigid Frame Selection Program (RFSD) System Manual Volume 3 - Compilation Listings
LY20-0474-0			System Manual Volume 4 - Compilation Listings
SH20-0612-0			Operations Manual
SH20-0613-0			Program Description Manual Program Numbers 5734-EC1 & 5736-EC1
			Scientific Procedure Library/Mathematics PL/I Program Number (5734-XM3)
GH20-0785-0			Application Description Manual
			SHAS Compatible Teleprocessing Support for 2780, 2740, and 1050 Terminal Program Number 5736-H13
LY20-0480-1			System Reference Manual Feature Code 8000
			Shared Laboratory Information System (SLIS) (5736-H12)
SH20-0769-0			Laboratory Manual
SH20-0780-0			Program Description Manual
SH20-0781-0			Operations Manual
GH20-4021-0			Program Product Specifications
LY20-0655-0			System Manual
GX20-1807-0			CLM Coding Sheet I
GX20-1808-0			CLM Coding Sheet II
GX20-1809-0			CLM Coding Sheet III
			System/360 Shop Floor Control Program Number (5736-M31)
GH20-0753-1	GN20-2338		Application Description Manual
GH20-0754-1			DATA Base Manual
SH20-0827-0			Operations Manual
SH20-0828-0			Program Description Manual
GH20-4024-0			Program Product Specifications
LY20-0565-0	LY20-0672-0		System Manual Feature Code 8024
			Shop Floor Control - OS Program Number 5734-M31
SH20-0986-0			Operations Manual
GH20-4113-0			Program Product Specifications
LY20-0565-0	LY20-0672		System Manual Feature Code 8067
			Tariff Maintenance Program Number 5736-T11
SH20-0980-0			Users Guide
SH20-0982-0			Operators Guide
			System/360 Tariff Publishing System Program Number (5736-T21)
SH20-0792-0	SN20-2272	SN20-2327	Format & Standard Codes Manual
SH20-0798-1			Data Preparation Manual
SH20-0812-1			Program Description and Operations Manual
LY20-0559-0			System Manual
LY20-0489-0			System/360 Text Processor - EDIT/360 System Manual - Volume 1 - Flowchart Narratives
			System/360 Text Processor - Pagination/360 Program Number 5736-K12
SH20-0833-1			Program Description Manual Volume I
SH20-0834-1			Program Description Manual Volume II
SH20-0835-1			Program Description Manual Volume III
SH20-0836-1			Operations Manual
GH20-4037-0			Program Product Specifications
LY20-0623-0			System Manual Volume I - Flowchart Narratives, Feature Code 8010
LY20-0624-0			System Manual Volume II - Flowcharts Feature Code 8011
			Traffic Profile Analysis System Program Number (5736-T22)
SH20-0811-0			Program Description & Operations Manual
LY20-0560-0			System Manual
			Vehicle Scheduling Program - Extended (DOS) Program Number 5736-XM3
GH19-2000-0			General Information Manual
SH19-2608-0			Operations Manual
SH19-2304-0			Program Description Manual
GH20-4042-0			Program Product Specifications
LY19-2001-0			PLM Volume I Narrative
LY19-2006-0			PLM Volume II Flowcharts
LYA9-2008-0			PLM Volume III Program Listings

		Vehicle Scheduling Program - Extended (OS) Program Number 5734-XM5
GH19-2000-0		General Information Manual
SH19-2607-0		Operations Manual
SH19-2304-0		Program Description Manual
GH20-4041-0		Program Product Specifications
LY19-2001-0		PLM Volume I Narrative
LY19-2006-0		PLM Volume II Flowcharts
†LYA9-2007-0		PLM Volume III Program Listings

70 SPECIAL INSTALLATION SERVICES

GH20-0725-1		Advanced Multiprogramming Analysis Procedure (AMAP) Service Description Manual
SH20-0702-1	SN20-2296	Communications Network Design Program/360 (CNDP/360) Program Description and Operations Manual

80 INSTALLATION SUPPLIES

GX20-1702-0	Proportional Record Layout Format Forms
GX20-1711-0	System/360 Record Layout Worksheet
GX20-1741-2	1287 Optical Reader Document Tracing Guide
GX20-1751-0	2260 Display Format
GX20-1759-1	1287 Optical Reader Design Formats
GX20-1761-0	Mathematical Programming Input Form
GX20-8020-1	Flowcharting Template
GX21-9090-1	Out-put Format Specifications RPG
GX21-9091-1	Extension And Line Counter Specifications RPG
GX21-9092-1	RPG Control Card and File Description Specifications
GX21-9093-1	Calculation Specifications RPG
GX22-6834-5	System/360 Unit Record Input/Output Template
GX22-6835-1	System/360 Hypertape Template
GX22-6855-6	Magnetic Tape Template
GX22-6856-1	System/360 Processors Template
GX22-6857-5	Communication Equipment Template
GX22-6858-4	Data Storage Template
GX22-6859-2	System/360 Consoles and Terminals Template
GX22-6860-3	Magnetic and Optical Character Readers Template
GX22-6894-3	System/360 Processors Models 25, 30, and 40 Template
GX22-6905-0	System/360 Processor Model 67 Template
GX22-6914-0	System/360 Models 44 and 50
GX22-6923-1	IBM System/360 Model 85 Physical Planning Template
GX22-6924-0	IBM System/360 Model 65 Multisystem Physical Planning Template
GX22-6925-0	Field Engineering Furniture Physical Planning Template
GX22-6981-0	System/360 Model 195 Physical Planning Template
(GX22-6985-0	IBM System/360 & System/370 Channels 2860, 2870, 2880 Physical Planning Template)
GX22-7005-0	System/370 Model 145 Physical Planning Template
GX22-7006-0	System/370 Model 155 Physical Planning Template
(GX22-7007-1)	System/370 Model 165 Physical Planning Template
GX24-3350-0*	System/360 Report Program Generator Input Specification Sheet
GX24-3350-1*	
GX24-3376-0	1052 Key-Tabs-System/360 Model 30
GX24-3406-0	2702 Worksheet - System/360 Model 30
GX24-3407-0	Multiplexor Channel Worksheet - System/360 Model 30
GX24-3448-0	1445 Printer Spacing Chart
GX24-3477-2	Compatibility Initialization Deck Coding Sheet
GX24-3541-0	S/360 Model 25 Channel 0 Work Sheet
GX24-5046-0	System/360 Coding Form DTFSR Entries Card Read Punch
GX24-5047-0	System/360 Coding Form DTEST Entries Printer and Printer-Keyboard
GX24-5048-0*	System/360 Coding Form DTFSR Entries Disk
GX24-5048-1*	
GX24-5055-0	System/360 Coding Form PRMOD Entries
GX26-5508-0	System/360 Process I/O Devices Template
GX27-2901-0	Image Planning Chart - 2760 Optical Image Unit, Registration Punching - Acme

GX27-2902-0	Image Planning Chart - 2760 Optical Image Unit, Registration Punching - Oxberry
GX27-2950-0	2250 Display Layout Sheet
GX28-6506-0*	System/360 Assembler Short Coding Form
GX28-6506-1*	
GX28-6506-2*	
GX28-6506-3*	
GX28-6506-4*	
GX28-6507-4	System/360 Basic Assembler Long Coding Form
GX28-6509-1*	System/360 Assembler Coding Form
GX28-6509-2*	
GX28-6509-3*	
GX28-6509-4*	
GX28-7327-4*	FORTRAN Coding Form
GX28-7327-5*	
GX28-7327-6*	

85 REFERENCE SUMMARIES

The order numbers indicated by brackets constitute temporary order number.

SR20-1078-0*	S/360 Operator's Reference Guide
SR20-1078-1*	
GX20-1703-7	System/360 Reference Data Card
GX20-1704-1	2321 Reference Card
GX20-1705-1	2311 Disk Storage Drive Reference Card
GX20-1709-2	System/360 BPS Basic Utilities Reference Card
GX20-1710-1*	2314 Direct Access Storage Facility Capacity and Transmission Time Reference Card
GX20-1710-2*	
GX20-1717-1	2301 Drum Storage Capacity and Transmission Time Reference Card
GX20-1718-1*	2303 Drum Storage Reference Card
GX20-1718-2*	
GX20-1733-3	OS/360 Data Management Macro Instruction
GX20-1738-1	System/360 Reference Data Operating System Assembler Language Supervisor Macros
GX20-1739-3	System/360 Reference Data Operating System Linkage Editor
GX20-1749-2	System/360 PL/I Reference Card For DOS/TOS
GX20-1758-0	System/360 Mod 30, 1401/1440/1460 Compatability Feature Reference Card
GX20-1760-1	Examples of Control Cards for Operating System/360
GX20-1771-0	System/360 Reference Data DOS Job Control Language Operator Communication Reference Card
GX20-1780-0	IBM Terminal Coursewriter III Reference Card For Student And Monitor Users
GX20-1781-0	IBM Author's Coursewriter III Reference Card
GX20-1782-0	IBM Supervisor's Coursewriter III Reference Card
GX20-1787-0	System/360 Direct Evaluation of Floating Point Numbers in Hexadecimal
GX20-1810-1 GT80-1810-0	Call/360-OS PL/I Reference Card Program Number 360A-CX-42X
GX20-1811-1 GT80-1811-0	Call/360-OS Basic Reference Card Program Number 360A-CX-42X
GX20-1812-1 GT80-1812-0	Call/360-OS Fortran Reference Card Program Number 360A-CX-42X
GX20-1817-0	Power II COMMAND Reference Card Program Number 360D-05.2.000
GX20-1827-0	System/360 and 370 Attached Support Processor (ASP) Reference Card Program Number 360A-CX-15X
GX21-9106-0	1288 Document Gage for Machine Setup-Reference Card
GX22-6837-5	Magnetic Tape Record Characteristics - 2400 Series Magnetic Tape Units
GX22-6984-0	System/370 Model 165 Operators Reference Card
GX26-1587-0	IBM Decimal/Hexadecimal Conversion Chart - Integers
GX26-1588-0	IBM Decimal/Hexadecimal Conversion Chart - Fractions
GX28-6383-0	FORTRAN IV Reference Data
GX28-6749-0	OS/360 Reference Card: Service Aids
GX28-6812-0	System/360 Model 44 Programming System Formats for Machine Check Interruption Diagnostics
S229-3169-1	360/OS FE Handbook

90 EDUCATION LITERATURE

GR20-1055-4			System/360 Course Selection Guide - Course Description
GR20-9244-0			System/360 OS Advanced Operator Training
G520-2327-1	(GN230705)	GN23-0707)	Systems Science Education
(G520-2329-0			OS Course Selection Guide)
G520-2330-0			DOS/TOS Course Selection Guide
G520-2336-0			Industry Applications Course Selection Guide

95 STUDENT TEXT

GC20-1618-3	System/360 Number System
SC20-1637-3	A Guide to PL/I for FORTRAN Users
SC20-1646-6	A Programmer's Introduction to the System/360 Assembler Language
GC20-1649-3	Introduction to System/360 Direct Access Storage Devices and Organization Methods
SC20-1651-2	A Guide to PL/I for Commercial Programmers
SC20-1667-0*	Introduction to IBM System/360 Architecture
SC20-1667-1*	
SC20-1689-0*	Introduction to the Compile-Time Facilities of PL/I
SC20-1689-1*	
GC20-1706-1	Coursewriter III
SC20-8092-0	System/360 Disk Operating System, Operation Training Manual
SC28-6808-0	A PL/I Primer
SC28-6808-1*	

99 OTHER SUPPLEMENTARY INFORMATION

S229-3169-1			360/OS FE Handbook
GC20-1738-1			A Guide to the IBM System/370 Model 135
GC20-1734-0	GN20-2261	GN20-2273	A Guide to IBM System/370 Model 145
GC20-1729-0	GN20-2226	GN20-2276	A Guide to the IBM System/370 Model 155
GC20-1730-0	GN20-2227	GN20-2277	A Guide to the IBM System/370 Model 165
GC20-8011-0			Random Number Generation and Testing
GC20-8078-0			Form and Card Design
GC20-8152-0			Flowcharting Techniques
GC24-6000-0			System/360 DOS to OS Implementation Guide
GH20-0507-0	N20-1077-2		Bibliography of Application Publications Finance Industries
GH20-0522-2			Bibliography of Application Publications Distribution Industries
GH20-0530-2			Bibliography of Application Publications Public Utility Industries
GH20-0531-2			Bibliography of Application Publications Printing and Publishing Industries
GH20-0536-2			Bibliography of Application Publications Insurance Industry
SR20-1078-0*			S/360 Operator's Reference Guide
SR20-1078-1*			
GY33-6003-1			System/360 PL/I Language Specifications

99 PROGRAMMING SYSTEMS MEMOS (PSM)

PSMs are published bi-weekly, as required, and contain information useful in program maintenance and problem determination. Automatic updating is available through the System Library Subscription Service (SLSS) as well as DAPS for IBM internal subscribers.

G220-2003	System/360 Programming Systems - General
G220-2004	System/360 Operating System
G220-2005	System/360 Programming Systems - Other: Text

The following Program Symptom Indexes are for use with the above text:

G220-2006	BPS PSI
G220-2007	BOS PSI
G220-2008	TOS PSI
G220-2009	DOS PSI
G220-2010	Conversion PSI
G220-2011	44PS/BPS PSI
G220-2012	System/360 Current Systems Programs

99 EARLY WARNING SYSTEM (EWS)

EWS is published weekly on microfiche and contains essentially the same information as the PSMs listed above. Automatic updating is available through SLSS.

S2C0-0051	System/360 Model 25 and Larger - General
S2C0-0101	System/360 Operating System
S2C0-0201	System/360 Programming Systems - Other

99 ENGINEERING CHANGE ANNOUNCEMENTS (ECA), SERVICE AIDS (SA)

ECA and SA are published weekly on microfiche and contain information useful in system maintenance. Automatic updating is available through SLSS.

S2C0-0501	SA - System/360 Model 25
S2C0-0551	ECA - System/360 Model 25
S2C0-0601	SA - System/360 Model 30
S2C0-0651	ECA - System/360 Model 30
S2C0-0701	SA - System/360 Model 40
S2C0-0751	ECA - System/360 Model 40
S2C0-0801	SA - System/360 Model 44
S2C0-0851	ECA - System/360 Model 44
S2C0-0901	SA - System/360 Model 50
S2C0-0951	ECA - System/360 Model 50
S2C0-1001	SA - System/360 Model 65
S2C0-1051	ECA - System/360 Model 65
S2C0-1101	SA - System/360 Model 67
S2C0-1151	ECA - System/360 Model 67
S2C0-1201	SA - System/360 Model 75
S2C0-1251	ECA - System/360 Model 75
S2C0-1351	ECA - System/370
S2C0-1401	SA - System/370

99 PTF LISTINGS

Listings of PTFs (Program Temporary Fix) are made available under SLSS. To order, specify the bill-of-forms number corresponding to the program of interest.

SBOF-6100	360S-AL-531
SBOF-6103	360S-AS-037
SBOF-6106	360S-CB-524
SBOF-6109	360S-CB-545
SBOF-6110	360S-CI-505
SBOF-6113	360S-CI-535
SBOF-6113	360S-CI-555
SBOF-6119	360S-CO-503
SBOF-6122	360S-CQ-513
SBOF-6125	360S-CQ-519
SBOF-6128	360S-CQ-548
SBOF-6131	360S-DM-509
SBOF-6137	360S-DN-527
SBOF-6140	360S-DN-533
SBOF-6143	360S-DN-539
SBOF-6146	360S-DN-554
SBOF-6149	360S-ED-521
SBOF-6152	360S-FO-500
SBOF-6155	360S-FO-520
SBOF-6158	360S-FO-550
SBOF-6161	360S-IO-523
SBOF-6164	360S-IO-526
SBOF-6167	360S-LD-547
SBOF-6170	360S-LM-501
SBOF-6173	360S-LM-512
SBOF-6176	360S-LM-525
SBOF-6179	360S-LM-532
SBOF-6182	360S-LM-537
SBOF-6185	360S-LM-542
SBOF-6188	360S-LM-546
SBOF-6192	360S-NL-511
SBOF-6195	360S-PL-552
SBOF-6198	360S-PT-516

99 PTF LISTINGS (CONT.)

SBOF-6201	360S-RC-536
SBOF-6204	360S-RC-541
SBOF-6207	360S-RC-543
SBOF-6210	360S-RC-551
SBOF-6213	360S-RG-038
SBOF-6216	360S-SM-023
SBOF-6219	360S-UT-506
SBOF-6222	Module Generation - OS
SBOF-6225	Service Aids - OS
SBOF-6230	360N-AS-465
SBOF-6232	360N-AS-466
SBOF-6234	360N-CB-452
SBOF-6236	360N-CB-468
SBOF-6238	360N-CB-482
SBOF-6240	360N-CL-453
SBOF-6242	360N-CQ-469
SBOF-6244	360N-CQ-470
SBOF-6248	360N-DN-481
SBOF-6250	360N-EU-484
SBOF-6252	360N-EU-485
SBOF-6254	360N-FO-451
SBOF-6256	360N-FO-479
SBOF-6258	360N-IO-454
SBOF-6260	360N-IO-455
SBOF-6262	360N-IO-456
SBOF-6264	360N-IO-457
SBOF-6266	360N-IO-458
SBOF-6268	360N-IO-476
SBOF-6270	360N-IO-477
SBOF-6272	360N-IO-478
SBOF-6274	360N-PL-464
SBOF-6276	360N-PT-459
SBOF-6278	360N-RG-460
SBOF-6280	360N-SM-400
SBOF-6282	360N-SM-450
SBOF-6284	360N-SM-483
SBOF-6286	360N-SV-473
SBOF-6288	360N-SV-474
SBOF-6290	360N-SV-475
SBOF-6292	360N-SV-486
SBOF-6294	360N-SV-487
SBOF-6296	360N-SV-488
SBOF-6298	360N-UT-461
SBOF-6300	360N-UT-462
SBOF-6302	360N-UT-463
SBOF-6304	360N-UT-471
SBOF-6306	360N-UT-472
SBOF-6308	Service Aids - DOS

99 PROGRAM LISTINGS

The following program listings are available for Type I programs. Automatic updating, if required, is available through SLSS.

GJD1-1010	OS Primary Control Programs
GJD1-1012	OS MVT
GJD1-1013	OS Data Management
GJD1-1014	OS BDAM
GJD1-1015	OS Remote Job Entry
GJD1-1016	OS BTAM
GJD1-1017	OS QTAM
GJD1-1018	OS OLTEP
GJD1-1019	OS CRJE
GJD1-1020	OS ISAM
GJD1-1021	OS Utilities
GJD1-1025	OS Algol Compiler-F
GJD1-1026	OS Algol Library
GJD1-1030	OS Assembler E (360S-AS-036)

GJD1-1035	OS Assembler F (360S-AS-037)
GJD1-1040	OS COBOL Compiler-E
GJD1-1042	OS ANS COBOL
GJD1-1043	OS ANS COBOL Library
GJD1-1044	OS COBOL F Library
GJD1-1045	OS COBOL Compiler-F
GJD1-1048	OS COBOL Library
GJD1-1050	OS FORTRAN E IV (360S-FO-092)
GJD1-1052	OS FORTRAN G IV
GJD1-1054	OS FORTRAN Syntex Checker
GJD1-1055	OS FORTRAN H IV
GJD1-1058	OS FORTRAN Library IV
GJD1-1060	OS PL/I Compiler-F
GJD1-1062	OS Service Aids
GJD1-1065	OS PL/I Syntex Checker
GJD1-1068	OS PL/I Library-F
GJD1-1070	OS Linkage Editor-E (360S-ED-510)
GJD1-1072	OS Linkage Editor Loader
GJD1-1075	OS Linkage Editor-F
GJD1-1076	OS SER0, SER1
GJD1-1077	OS Recovery Management
GJD1-1080	OS Sort Merge
GJD1-1085	OS Testran
GJD1-1090	OS Graphic Programming Services
GJD1-1091	OS Graphic Subroutine Program
GJD1-1092	OS Satellite Graphic Job Processor
GJD1-1093	OS OS Graphic Job Processor
GJD1-1094	OS 1130/360 Data Transmission (360S-LM-542)
GJD1-1095	OS RPG
GJD1-1099	OS Sysgen/Modgen Macros
GJD1-1100	Attached Support Processor (ASP) (360A-CX-15X)
GJD1-1310	1410/7010 Simulator (360C-SI-754)
GJD1-1370	7070/7074 Simulator (360C-SI-753)
GJD1-1380	7080 Simulator (360C-SI-551)
GJD1-1390	7090/7094 Simulator (360C-SI-750)
GJD1-1400	1401/1410 Emulator (360C-EU-074)
GJD1-1410	1410/7010 Emulator (360C-EU-728)
GJD1-1500	1410/7010 Emulator (360C-EU-725)
GJD1-1510	7070/7074 Emulator (360C-EU-725)
GJD1-1600	7040/7044 Emulator (360C-EU-733)
GJD1-1620	7080 Emulator (360C-EU-727)
GJD1-1630	7090/7094 Emulator (360C-EU-729)
GJD1-1700	Model 44 BPS (360F-UT-601)
GJD1-1720	Model 44 BPS (360F-IO-613)
GJD1-1740	Model 44 1620 Simulator (360C-SI-755)
GJD1-2000	System/360 BPS (Complete)
GJD1-2010	System/360 BOS (Complete)
GJD1-2012	System/360 BOS Macro Listings
GJD1-2020	System/360 TOS (Complete)
GJD1-2032	DOS Macros
GJD1-2035	DOS Sort/Merge - Tape
GJD1-2036	DOS Sort/Merge - Disk
GJD1-2037	DOS Basic FORTRAN IV
GJD1-2038	DOS COBOL
GJD1-2039	DOS System Control/IOCS
GJD1-2040	ODS ISFMS
GJD1-2042	DOS Autotest (360N-PT-459)
GJD1-2043	DOS DISK RPG
GJD1-2044	DOS Utility Group 1
GJD1-2045	DOS Utility Group 2
GJD1-2046	DOS Utility Group 3
GJD1-2047	DOS PL/I
GJD1-2048	DOS Assembler
GJD1-2049	DOS Assembler F
GJD1-2050	DOS BTAM
GJD1-2052	DOS QTAM
GJD1-2053	DOS MPS Utility Macros
GJD1-2054	DOS Vocabulary File Utility
GJD1-2055	DOS Compiler IO Modules
GJD1-2056	DOS FORTRAN IV

	GJD1-2057	DOS OLTEP
	GJD1-2058	DOS Sort/Merge Disk/Tape
	GJD1-2059	DOS CE Serviceability Program
	GJD1-2060	DOS ANS COBOL
	GJD1-2300	1401/1460 Emulator (360C-EU-097)
	GJD1-4610	FORTRAN IV to PL/I Language Conversion Program (360C-CV-710)
	GJD1-4620	COBOL to PL/I Language Conversion Program (360C-CV-712)
	GJD1-9000	USA Standard COBOL Language Conversion Program (360C-CV-713)
	GJD1-9030	TSS (CONtrolled Release I) (360G-CL-627)

--------OBSOLETE AND/OR SUPERSEDED PUBLICATIONS--------

00	GA22-6824	Not replaced
19	GA22-6843	Replaced by GA22-6974
05	GA22-6918	Not replaced
15	GA24-3423	Replaced by GA27-3006 (TP item)
15	GA24-3424	Replaced by GA27-3006 (TP item)
15	GA24-3425	Replaced by GA27-3006 (TP item)
95	GC20-1676	Replaced by C20-8092
95	GC20-1677	Not replaced
95	GC20-1678	Replaced by C20-8092
95	GC20-1679	Not replaced
95	SC20-1680	Replaced by R20-4114
95	SC20-1681	Replaced by R20-4115
99	GC20-1731	Replaced by C24-6400
99	GC21-5003	Not replaced
32	GC21-5017	Replaced by C21-5020
31	GC24-5068	Not replaced
20	GC24-5077	Not replaced
36	GC28-2002	Not replaced
20	GC28-6540	Replaced by C28-6691
25	GC28-6602	Not replaced
31	GC28-6656	Replaced by C28-6708
32	C28-6666	Not replaced
33	GC28-6668	Replaced by C28-6662
20	GC28-6671	Not replaced
31	GC28-6702	Not replaced
20	C28-6705	Replaced by CB8-6631
20	C28-6706	Replaced by CB8-6644
33	GC28-6707	Not replaced
31	C28-6713	Replaced by C28-6538
20	GC28-6718	Not replaced
36	GC30-2008	Replaced by C30-2006
33	GC33-4005	Replaced by GC33-4006
60	GE20-0196	Not replaced
60	H20-0468	Not replaced
60	GH20-0469	Replaced by GH20-4035
60	GH20-0470	Not replaced
60	H20-0529	Not replaced
60	GH20-0587	Replaced by GH20-0735
60	H20-0600	Not replaced
65	SH20-0624	Replaced by SH20-2736
65	SH20-0631	Replaced by SH20-0736
65	GH20-4063	Replaced by GH20-4028
65	GH20-4068	Replaced by GH20-4105
65	GH20-4069	Replaced by GH20-4035
65	GH20-4070	Replaced by GH20-4040
65	GH20-4073	Replaced by GH20-4047
65	GH20-4074	Replaced by GH20-4046
65	GH20-4075	Replaced by GH20-4102
65	GH20-4155	Replaced by GH20-4049
65	GH20-4156	Replaced by GH20-4048
65	GH20-4174	Replaced by GH20-4104
15	GL27-3026	Not replaced
90	GR20-9063	Not replaced
90	GR20-9064	Not replaced
90	GR20-9100	Not replaced
90	GR20-9105	Not replaced
90	GR20-9107	Not replaced

90	GR20-9108	Not replaced
90	GR20-9113	Not replaced
90	GR20-9121	Not replaced
90	GR20-9148	Not replaced
90	GR20-9150	Not replaced
90	GR20-9151	Not replaced
90	GR20-9152	Not replaced
90	GR20-9154	Not replaced
90	GR20-9163	Not replaced
90	GR20-9165	Not replaced
90	GR20-9168	Not replaced
90	GR20-9169	Not replaced
90	GR20-9170	Not replaced
90	GR20-9171	Not replaced
90	GR20-9172	Not replaced
90	GR20-9195	Not replaced
90	GR20-9196	Not replaced
90	GR20-9197	Not replaced
90	GR20-9199	Not replaced
90	GR20-9211	Not replaced
90	GR20-9214	Not replaced
90	GR20-9216	Not replaced
90	GR20-9219	Not replaced
90	GR20-9227	Not replaced
90	GR20-9232	Not replaced
90	GR20-9233	Not replaced
90	GR20-9236	Not replaced
90	GR20-9245	Not replaced
90	GR20-9246	Not replaced
90	GR20-9249	Not replaced
90	GR20-9250	Not replaced
90	GR20-9251	Not replaced
90	GR20-9257	Not replaced
90	GR20-9259	Not replaced
90	GR20-9260	Not replaced
90	GR20-9262	Not replaced
90	GR20-9263	Not replaced
90	GR20-9264	Not replaced
90	GR20-9265	Not replaced
90	GR20-9286	Not replaced
90	GR20-9293	Not replaced
90	GR20-9290	Not replaced
90	GR20-9297	Not replaced
90	GR20-9319	Not replaced
90	GR20-9329	Not replaced
90	GR20-9330	Not replaced
90	GR20-9333	Not replaced
90	GR20-9335	Not replaced
90	GR20-9381	Not replaced
90	GR20-9382	Not replaced
90	GR20-9383	Not replaced
90	GR20-9384	Not replaced
90	GR20-9385	Not replaced
90	GR20-9388	Not replaced
90	GR20-9389	Not replaced
90	GR20-9390	Not replaced
90	GR20-9391	Not replaced
90	GR20-9393	Not replaced
90	GR20-9395	Not replaced
90	GR20-9396	Not replaced
90	GR20-9397	Not replaced
90	GR20-9398	Not replaced
90	GR20-9400	Not replaced
85	GX20-1706	Not replaced
85	GX20-1738	Not replaced
80	X20-1747	Replaced by X20-1776
85	GX20-1760	Not replaced
85	GX20-1770	Not replaced
80	GX20-1776	Replaced by X20-1816
80	GX20-1778	Replaced by X20-1818

80	X20-8030	Not replaced
85	X22-6840	Not replaced
80	X24-3348	Replaced by X21-9091
80	X24-3349	Replaced by X21-9091
80	X24-3350	Replaced by X21-9094
80	X24-3351	Replaced by X21-9093
80	GX24-3352	Replaced by X21-9090
36	GX24-5006	Not replaced
80	X24-5045	Not replaced
80	X24-5049	Not replaced
80	X24-5050	Not replaced
80	X24-5051	Not replaced
80	X24-5052	Not replaced
80	GX24-5054	Not replaced
80	GX26-5508	Not replaced
32	GYB0-0539	Replaced by GYB0-0538-1
60	GY20-0127	Not replaced
60	GY20-0148	Not replaced
60	GY20-0155	Replaced by GH20-0697
60	GY20-0156	Replaced by GH20-0815
60	Y20-0177	Not replaced
60	Y20-0178	Replaced by GH20-0646
60	Y20-0179	Replaced by GH20-0647
60	Y20-0180	Replaced by GH20-0648
60	Y20-0181	Replaced by GH20-0649
60	Y20-0182	Replaced by GH20-0650
60	Y20-0183	Replaced by GH20-0651
60	Y20-0184	Replaced by GH20-0652
60	Y20-0185	Replaced by GH20-0653
60	Y20-0186	Replaced by GH20-0654
60	Y20-0187	Replaced by GH20-0655
60	Y20-0188	Replaced by GH20-0656
60	Y20-0189	Replaced by GH20-0657
60	Y20-0190	Replaced by GH20-0658
60	Y20-0191	Replaced by GH20-0659
60	Y20-0192	Replaced by GH20-0660
60	Y20-0193	Replaced by GH20-0661
60	Y20-0194	Replaced by GH20-0662
60	Y20-0195	Replaced by GH20-0663
60	Y20-0196	Replaced by GH20-0664
60	Y20-0197	Replaced by GH20-0665
60	Y20-0198	Replaced by GH20-0666
60	Y20-0199	Replaced by GH20-0667
60	Y20-0200	Replaced by GH20-0668
60	Y20-0201	Replaced by GH20-0669
60	Y20-0202	Replaced by GH20-0670
60	Y20-0203	Replaced by GH20-0671
60	GY20-0206	Not replaced
60	GY20-0207	Not replaced
60	GY20-0257	Not replaced
60	Y20-0321	Replaced by H20-0672
60	GY20-0347	Replaced by YB0-0347
37	GY24-5004	Not replaced
36	Y24-5006	Not replaced
36	GY24-5008	Not replaced
28	GY24-5028	Not replaced
25	GY27-7102	Not replaced
	GY27-7112	Not replaced
32	Y27-7136	Not replaced
31	Y28-3077	Not replaced
21	Y28-3080	Not replaced
31	Y28-3096	Not replaced
25	Y28-6620	Not replaced
	Y28-6657	Not replaced
36	GY28-6658	Replaced by C28-6720
32	Y28-6665	Not replaced
31	Y28-6672	Not replaced
99	S229-2184	Not replaced
99	320-1621	Not replaced

GA21-9124 IBM 3505 CARD READER AND IBM 3525 CARD PUNCH SUBSYSTEM 03

This reference publication describes the IBM 3505 Card Reader with its self-contained control unit and the IBM 3525 Card Punch, which can be attached to the 3505 control unit. The manual describes the operation of the subject devices operating as a subsystem to the IBM System/370. The manual is designed for those having a basic knowledge of programming and computer operations. The manual covers such subjects as device timings, throughput rates, features, commands, suggested error recovery procedures, and other programming and operating information.

For additional information, refer to the Bibliography of the system to which the subsystem is attached. 102 pages.

GA22-6955 IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 709/7090/7094/7094 II COMPATIBILITY FEATURE FOR IBM SYSTEM/370 MODEL 165 13

This publication contains information about the IBM 7094 compatibility feature (#7119), which adds interpretive facilities to System/370 Model 165 for use by the IBM 7094 emulator program. The combination of the feature and the program (referred to as the 7094 emulator) allows execution on IBM System/370 Model 165 of programs written for the IBM 709, 7090, 7094, and 7094 II Data Processing Systems. 52 pages

GA22-6958 IBM SYSTEM/370 SPECIAL FEATURE DESCRIPTION: 7070/7074 COMPATIBILITY FEATURE FOR IBM SYSTEM MODEL 165 13

This publication contains information about the IBM 7070/7074 compatibility feature, which adds interpretive facilities to System/370 Model 165 for use by the IBM 7074 emulator program. The combination of the feature and the program (referred to as the 7074 emulator) allows execution on IBM System/370 Model 165 of programs written for the IBM 7070 and 7074 Data Processing Systems. 36 pages

GA22-6966 IBM SYSTEM/370 MODEL 155 OPERATING PROCEDURES 01

This manual contains reference material and operating procedures required to operate the IBM System/370 Model 155, 3155 Processing Unit and the IBM 3210 and 3215 Console Printer-Keyboard.

The reader is assumed to have a basic computer knowledge and previous operating experience on a similar system. Order numbers for manuals containing operating procedures for individual input/output devices and IBM 1400/7010 Emulators are in the *IBM System/360 Bibliography,* GA22-6822. 40 pages

GA22-6969 SYSTEM/370 MODEL 165 OPERATING PROCEDURES 01

This manual describes the operating procedures for an IBM System/370 Model 165 and provides a guide for performing these procedures. This publication is written specifically for the Model 165 Operator; other models have their own manuals. This manual describes system procedures, operator-intervention procedures, and the system control panels. Supplementary appendixes are also included.

The reader is assumed to have a knowledge of information-processing systems and to have read the *IBM System/360 Operating System: Operator's Procedures,* GC28-6692. 80 pages

GA22-6974 IBM SYSTEM/360 AND SYSTEM/370 I/O INTERFACE CHANNEL TO CONTROL UNIT ORIGINAL EQUIPMENT MANUFACTURERS' INFORMATION 19

This Original Equipment Manufacturers' Information (OEMI) manual provides the definitions and function descriptions of the interface lines for the IBM System/360 and System/370 Input/Output Interface — Channel to Control Unit. In addition, it contains the electrical, mechanical, and cabling considerations and specifications of this interface. 76 pages

GA24-3542 IBM 1255 MAGNETIC CHARACTER READER COMPONENT DESCRIPTION

This reference manual contains information concerning the use, applications, and operation of the IBM 1255 Magnetic Character Reader.

The introduction describes the machine functions, differences in models, special features, and document criteria.

This publication also contains detailed operating procedures for on-line or off-line operation and error recovery.

A special features section describes the operation and use of each special feature.

For additional information, refer to the IBM System/360 Principles of Operation, GA22-6821, and the Bibliography and Systems Components manual of the system to which the 1255 is attached. 56 pages.

GA24-3561 IBM 1925 MODEL 18 INTERFACE SWITCH UNIT RPQ 811201 INSTALLATION MANUAL — PHYSICAL PLANNING INSTALLATION PLANNING GUIDE, 8-½ x 11 INCHES 15

This publication provides physical planning information for the IBM 1925 Model 18 Interface Switch Unit used with the IBM System/360 and the IBM System/370. Included are physical specifications and cable, electrical, and environmental requirements.

For a list of related publications and abstracts, see the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY, GA22-6822. 8 pages

GA24-3562 IBM 2911 MODEL 14 INTERFACE SWITCH UNIT INSTALLATION MANUAL — PHYSICAL PLANNING FE INSTALLATION MANUAL, 3-½ x 11 INCHES 15

This publication provides physical planning information for the IBM 1925 Model 14 Interface Switch Unit used with the IBM System/360 and System/370. Included are physical specifications and cable, electrical, and environmental requirements.

For a list of related publications and abstracts, see the IBM SYSTEM/360 AND SYSTEM/370 BIBLIOGRAPHY, GA22-6822. 8 pages

GA24-3572 IBM SYSTEM/360 MODEL 22 FUNCTIONAL CHARACTERISTICS 01

This reference publication describes the relationship of the IBM System/360 Model 22 to the entire System/360. The system's capabilities, features, I/O channels, and operations are also discussed.

The reader can find a more detailed description of System/360 operations in *IBM System/360 Principles of Operation,* GA22-6821. The interrelationships of the models and units available with System/360 are broadly described in *IBM System/360 System Summary,* GA22-6810. Other related literature is referenced by order number and described briefly in *IBM System/360 Bibliography,* GA22-6822. 16 pages.

GA26-1586 IBM 2312/2313/2318 DISK STORAGE ORIGINAL EQUIPMENT MANUFACTURERS' INFORMATION 19

This manual provides the definitions and functional description of the interface lines between the IBM 2312/2313/2318 Disk Storage and the Control Unit. In addition, it contains electrical and cabling considerations, and specifications of this interface. It is assumed that the reader of this manual is engineering oriented and understands computer engineering techniques and terminology. 32 pages

GA26-1599 SYSTEM/360 CUSTOM FEATURES: 2960 MODEL 1 FINANCIAL TRANSACTION TERMINAL, 2968 MODEL 9 RECEIVER-TERMINAL UNIT 13

The 2960 Model 1 Financial Transaction Terminal and 2968 Model 9 Receiver-Terminal Control Unit are part of an on-line credit authorization system. This manual describes the function of these devices in the system configuration, and provides typical operating procedures for the 2960 Model 1. A description and operating procedures for the IBM 2960 Model 1 Acoustic Coupler RPG Number 834648 (accessory) are also included. The Appendix contains specifications for magnetic stripe credit cards.

A basic knowledge of data processing, including teleprocessing, is required to understand the material presented in this manual. 24 pages

GA27-2737 IBM 2909—3 ASYNCHRONOUS DATA CHANNEL RPQ F13299 CUSTOM FEATURE DESCRIPTION 13

This manual describes the functional and operational characteristics of the 2909-3 Asynchronous Data Channel. Main topics described include instruction and command execution, programming operation, and subchannel attachment.

This publication is a reference manual for the programmer or system engineer. Knowledge of IBM System/360 operations, particularly storage addressing, data formats and machine instruction formats is a prerequisite to using this publication, as is experience with programming concepts and techniques or completion of basic sources of instruction in these areas. 38 pages

GA27-3035 IBM 2790 DATA COMMUNICATIONS SYSTEM OPERATOR'S GUIDE 09

The IBM 2790 Data Communication System is a two-way, in-plant communication and production reporting system. This publication is designed as a guide for operating the units of the 2790 system. Operational information about the following units is included:

IBM 2715 Transmission Control Unit
IBM 2791 Area Station
IBM 2793 Area Station
IBM 2795 Data Entry Unit
IBM 2796 Data Entry Unit
74 pages

GA27-3043 IBM 3735 PROGRAMMABLE BUFFERED TERMINAL CONCEPT AND APPLICATION 09

The purpose of this manual is two-fold: First, it introduces the IBM 3735 Programmable Buffered Terminal; and, second, it provides planning information for those who may be involved in installing a 3735. Because of this dual purpose, not all sections of the manual may be of interest to each reader. Those interested in an overview and in the highlights of the 3735 will find the Introduction of most value; those who need more detailed information on the terminal's operation and functional capabilities will find the sections on Operating Characteristics and Implementation Considerations of most interest; systems and application programmers will find information on Programming Considerations for the 3735 in Appendix B.

Generally, the prerequisites for this manual are an understanding of the concept and application of the IBM System/360 and the IBM System/370 in a teleprocessing environment. The section on Programming Considerations requires more extensive knowledge of the applicable operating system (OS or DOS).

Although not intended as a terminal operator's guide or as a programmer's guide, the manual presents general information concerning these subjects. 50 pages

GA32-0020 3803/3420 MAGNETIC TAPE SUBSYSTEMS 05

This manual describes the IBM 3803 Model 1 Tape Control and the IBM 3420 Models 3, 5, and 7 Magnetic Tape Units. The 3803 Model 1 tape control provides communication between the tape units and the system input/output interface. The 3420 Models 3, 5, and 7 tape units read and write one-half inch magnetic tape at 75, 125, and 200 inches per second respectively. All three basic tape units read and write nine-track, 1,600 bytes per inch (bpi), phase-encoded format. Nine track, 800 bpi NRZI recording mode is available as a feature on all models. Seven-track, 556/800 bpi NRZI recording mode is a optional feature on all models.

A reader should be familiar with IBM SYSTEM/360 I/O INTERFACE, CHANNEL TO CONTROL UNIT, ORIGINAL EQUIPMENT MANUFACTURERS' INFORMATION, Form GA22-6843, and IBM SYSTEM/360 PRINCIPLES OF OPERATION, Form GA22-6821. 32 pages

GA33-3005 IBM SYSTEM/370 MODEL 135 FUNCTIONAL CHARACTERISTICS 01

This publication describes the capabilities, features, input/output channels, integrated adapters, and operations of the IBM System/370 Model 135. The information includes the relationship of System/370 Model 135 to the IBM System/360.

The publication is intended for users and potential users (such as systems analysts and programmers) of the System/370 Model 135. The reader is assumed to have a working knowledge of *IBM System/360 Principles of Operation,* GA22-6821, *IBM System/370 Principles of Operation,* GA22-7000, and *IBM System/370 System Summary,* GA22-7001. 68 pages.

GA33-3006 IBM SYSTEM/370 MODEL 135 CONFIGURATOR 00

A single-sheet, fold-out publication that summarizes the Model 135 features and their prerequisites and limitations. Control storage requirements for different feature combinations are listed. The reverse side of the sheet is devoted to the subfeatures that are required in the integrated communications adapter (ICA) for use with start/stop, display, and binary synchronous type remote terminals. 8 pages

GC19-0004 IBM SYSTEM/370 INSTALLATION MANUAL PHYSICAL PLANNING IBM WORLD TRADE 50-HERTZ REQUIREMENTS 15

This manual contains preliminary physical information for installing the IBM System/370, including floor planning and electrical, environmental, and structural requirements. It describes the physical characteristics of each unit and their effect on installation requirements. This publication is a version of *IBM System/370 Installation Manual-Physical Planning,* GC22-7004; it is limited to IBM World Trade 50-Hertz and certain 60-Hertz requirements.

This publication is intended for IBM World Trade use by customer and IBM installation planning personnel, as well as architects and electrical and building contractors. 84 pages

GC20-1738 A GUIDE TO THE SYSTEM/370 MODEL 135 99

This guide presents hardware, programming systems, and other pertinent information about the IBM System/370 Model 135 that describes its significant new features and advantages. The contents are intended to acquaint the reader with the Model 135 and to be of benefit in planning for its installation. 160 pages

SC21-5005 IBM SYSTEM/360 DISK OPERATING SYSTEM RPG II LANGUAGE
Program Number 5736-RG1 28

This publication is a planning aid only. It is intended for use prior to the availability of the DOS RPG II Compiler. The publication will be updated to become reference documentation when the RPG II language is available.

This publication contains the fundamentals of the RPG II language along with the RPG II language specifications for the IBM System/360 Disk Operating System. The DOS RPG II compiler and generated program can be used for System/360 Models 25, 30, 40, 50, 65, and 75.

Job setup information for compiling and executing an RPG II program is also included in the publication. 508 pages

GC21-5021 IBM SYSTEM/360 DISK OPERATING SYSTEM RPG II GENERAL INFORMATION MANUAL 28
Program Number 5736-RG1

This publication describes the basic RPG II functions and provides information on performance and compatibility. The DOS RPG II compiler and generated program can be used for System/360 Models 25, 30, 40, 50, 65 and 75. 32 pages

GC21-5027 IBM SYSTEM/360 OS PROGRAM PLANNING GUIDE FOR IBM 3505 CARD READER AND IBM 3525 CARD PUNCH ON IBM SYSTEM/370 30

This publication is a planning aid only. It is intended for use prior to the availability of the data management macro instructions for both the IBM 3505 Card Reader and the IBM 3525 Card Punch, and will be replaced by reference documentation when the support is made available.

The content of this book describes macro instructions and services which are provided under IBM System/360 Operating System for use with both the 3505 Card Reader and the 3525 Card Punch. 68 pages

SC21-5033 IBM SYSTEM/360 DISK OPERATING SYSTEM RPG TO RPG II CONVERSION REFERENCE MANUAL 28

This manual explains the differences between the Disk Operating System RPG and RPG II languages. Differences which are fully diagnosed, partially diagnosed, and not diagnosed are described. A recommended conversion procedure from RPG to RPG II is explained as well as procedures for converting each difference.

This manual is intended for programmers experienced in using the RPG language who plan to use their RPG programs under the RPG II compiler. 52 pages

GC21-5028 IBM SYSTEM/360 DISK OPERATING SYSTEM RPG II PROGRAM PRODUCT SPECIFICATIONS, 28
Program Number 5736-RG1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. 2 pages

GC21-5034 IBM SYSTEM/360 DOS PROGRAM PLANNING GUIDE FOR IBM 3505 CARD READER AND IBM 3525 CARD PUNCH ON IBM SYSTEM/370 30

This publication is a planning aid only. It is intended for use prior to the availability of the IBM 3505 Card Reader and the IBM 3525 Card Punch. It will be replaced by reference documentation when these devices become available.

This publication describes the programming support provided under IBM System/360 Disk Operating System for use with the IBM 3505 Card Reader and the IBM 3525 Card Punch, attached to an IBM System/370. 48 pages

GC21-7514 INTRODUCTION TO RPG II 28

The purpose of this manual is to teach the RPG II programming language. This manual is written not only for the person who has some previous knowledge of computer programming, but also for the person who knows little or nothing about data processing.

The first chapter is solely for the beginner. It contains basic information about computers and data processing. The remainder of the book explains the RPG II specifications and the RPG II specifications sheets. Many job related examples are used to show how the RPG II specifications apply to a real situation. The manual concludes with a sample job, which summarizes the duties of an RPG II programmer.

After completing this manual, the reader should be able to use the various systems reference manuals to write basic RPG II programs. 142 pages

GC22-7004 IBM SYSTEM/370 INSTALLATION MANUAL PHYSICAL PLANNING 15

This manual contains preliminary physical information for installing the IBM System/370, including floor planning and electrical, environmental, and structural requirements. It describes the physical characteristics of each unit and their effect on installation requirements. Detailed cable and location charts are included, together with illustrations and dimensions, on all cable connectors used in the system.

This publication is intended for use by customer and IBM installation planning personnel, as well as architects and electrical and building contractors. 100 pages

GC24-5080 IBM SYSTEM/360 DISK OPERATING SYSTEM ISAM TRACK HOLD PROGRAM PLANNING GUIDE 30

This reference publication provides program planning information for ISAM track hold. It should be used for planning information only.

For titles and abstracts of other associated publications, see the *IBM System/360 Bibliography,* GA22-6822, 8 pages

GC24-5081 IBM SYSTEM/360 DISK OPERATING SYSTEM DATA SET SECURITY PROGRAM PLANNING GUIDE 30

This reference publication provides programmers with program planning information for data set security. It should be used for planning information only.

For titles and abstracts of other associated publications, see the *IBM System/360 Bibliography,* GA22-6822. 8 pages

GC24-5086 DOS OLTEP 37

This reference publication describes the Disk Operating System (DOS) On-Line Test Executive Program (OLTEP) that controls on-line testing of I/O units under the DOS supervisor. It explains the functions of the program and gives procedures for running the test programs that are obtained from the IBM Customer Engineer.

For titles and abstracts of associated publications, see the *IBM System/360 and System/370 Bibliography,* GA22-6822. 48 pages

GC24-5089 DOS PLANNING GUIDE FOR IBM SYSTEM/370 MODEL 135 20
Program Number 360N-CL-453

This publication is an IBM System/360 Disk Operating System (DOS) planning aid. It is for the Machine Check Analysis and Recording and Channel Check Handler (MCAR/CCH) functions of the IBM System/370 Model 135.

The major sections:

1. Describe the functions.
2. Explain how to implement the functions.
3. Provide performance information.

The following manuals are prerequisites to a thorough understanding of this guide:

*IBM System/360 Disk Operating System: System Control and System Service Programs,*GC24-5036

*IBM System/360 Disk Operating System: System Generation and Maintenance,*GC24-5033

Titles and abstracts of related publications are listed in the *IBM System/360 and System/370 Bibliography,* GA22-6822. 8 pages

GC24-6000 IBM SYSTEM/360 DOS TO OS IMPLEMENTATION GUIDE

This publication consists of self-contained sections, each providing information on how to modify your IBM System/360 Disk Operating System (DOS) programs and files to run under the IBM System/360 Operating System(OS). Although the information in one section is sometimes related to the information in another, each section is a separate and complete unit. In addition to a general table of contents for the entire publication in the front of this publication, a more detailed table of contents appears on the first page of each section. 300 pages

SC26-3740 IBM SYSTEM/360 OPERATING SYSTEM TIME SHARING OPTION ASSEMBLER PROMPTER USER'S GUIDE 21
Program Number: 5734 CP2

The assembler prompter is a program product that makes it easy to call Assembler F from a terminal. The prompter, which is a command processor, operates only under the Time Sharing Option (TSO) of the IBM System/360 Operating System.

This book is for the assembler-language programmer who wants to use TSO to write, assemble, and execute programs from a terminal using the assembler prompter.

Section 1, which supplements the manual *IBM System/360 Operating System: Time Sharing Option Terminal User's Guide,* Order Number GC28-6763, explains how to use the ASM command by itself to assemble source code and obtain object code for existing source code. It also explains how to use ASM as an operand of the RUN command and of the RUN subcommand of the EDIT command to assemble, load, and execute assembler-language source code.

Section 2, which supplements the book *IBM System/360 Operating System: Time Sharing Option Command Language Reference,* Order Number GC28-6732, describes the format of the ASM command and lists the operands, with a brief description of each, in alphabetic order. 30 pages

GC26-3782 IBM System:360 OS TIME SHARING OPTION ASSEMBLER PROMPTER 21

This program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

SC28-6433 IBM SYSTEM/360 OPERATING SYSTEM (TSO) COBOL PROMPTER TERMINAL USER'S GUIDE AND REFERENCE 24
Program Number: 5734-CP1

This publication describes how to use the COBOL Prompter to invoke the Program Product IBM Full American National Standard COBOL Compiler and Library, Version 3. The prompter can be used only under the control of the Time Sharing Option (TSO) of the IBM System/360 Operating System.

This publication is directed to the COBOL programmer working at a time sharing terminal. To use this publication effectively, the programmer should have a knowledge of COBOL and be familiar with the facilities of the Time Sharing Option.

The information in this publication is divided into two sections.

"Section 1: Terminal User's Guide" contains procedures for using the prompter and debugging at the terminal as well as a summary of data set naming conventions and sample terminal sessions. Informational messages issued by the prompter to the terminal user are described. This section supplements *IBM System/360 Operating System: Time Sharing Option Terminal User's Guide,* Order No. GC28-6763.

"Section 2: Reference Information" describes the COBOL command that invokes the prompter. This section is designed to be inserted in *IBM System/360 Operating System: Time Sharing Option Command Language Reference,* Order No. GC28-6732. 54 pages

SC28-6434 IBM SYSTEM/360 OPERATING SYSTEM (TSO) COBOL PROMPTER INSTALLATION REFERENCE MATERIAL 24
Program Number: 5734-CP1

This publication contains system related information needed to make the most effective use of the COBOL prompter to invoke the Program Product IBM Full American National Standard COBOL Compiler, Version 3. The prompter operates under the control of the Time Sharing Option (TSO) of the IBM System/360 Operating System.

The information in this manual is directed to the system programmer or planner responsible for operating system generation and maintenance. Each of the three sections is designed to be used with an existing IBM System/360 Operating System publication.

"Program Product Installation" describes the system requirements for the prompter and the procedure needed to add the prompter to an operating system. This section supplements *IBM System/360 Operating System: System Generation,* Order No. GC28-6554. A module summary is included.

"Storage Estimates" defines the storage required by the prompter. This section supplements *IBM System/360 Operating System: Storage Estimates,* Order No. GC28-6551.

"System Programming Techniques" describes a LOGON procedure that can be used to expedite compilation of a COBOL program under TSO. Instructions on how to help the terminal user respond to prompter messages are also given. This section supplements *IBM System/360 Operating System: System Programmer's Guide,* Order No. GC28-6691. 38 pages

GC28-6435 IBM SYSTEM/360 OS (TSO) COBOL PROMPTER 24

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

SC28-6441 IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3, PROGRAMMER'S GUIDE 24
Program Numbers: 5736-CB2
5736-LM2

This publication describes how to compile an American National Standard COBOL X3.23-1968 program using the Program Product IBM System/360 Disk Operating System Full American National Standard COBOL Compiler, Version 3. It also describes how to link edit the resulting object module, and execute the program. Included is a description of the output from each of these three steps: compile, link edit, and execute. In addition, this publication explains features of the Version 3 Compiler and Library, and available options of the operating system. 272 pages

SC28-6442 IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL COMPILER AND LIBRARY, VERSION 3 INSTALLATION REFERENCE MATERIAL 24
Program Numbers: 5736-CB2
5736-LM2

This publication contains system related information needed to make most effective use of the Program Products IBM Full American National Standard COBOL Compiler, Version 3, and its associated COBOL Object-time Subroutine Library under the control of the IBM System/360 Disk Operating System.

This manual consists of two sections. The first section, "Program Product Installation," is directed to the system programmer or planner who is responsible for operating system generation and maintenance. The second section, "Operator Messages," is directed to the console operator. Each section is designed to supplement an existing IBM System/360 Disk Operating System publication.

"Program Product Installation" describes the system requirements, work file requirements, IOCS module requirements, and storage requirements for the Version 3 compiler and library. The installation procedure needed to add the compiler and library to an existing operating system is also described. This section supplements *DOS System Generation,* Order No. GC24-5033.

"Operator Messages" describes the messages to the console that the operator may be required to answer. This section supplements *DOS Messages,* Order No. GC24-5074. 56 pages

GC28-6443 IBM SYSTEM/360 DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER VERSION 3 24

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GC28-6444 IBM SYSTEM/360 DOS FULL AMERICAN NATIONAL STANDARD COBOL OBJECT-TIME SUBROUTINE LIBRARY 24
Program Number: 5736-LM2

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 1 page

SC28-6445 IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL, VERSION 3 MESSAGES 24
Program Numbers: 5736-CB2, 5736-LM2

This publication contains messages issued by the Program Products IBM System/360 Disk Operating System Full American National Standard COBOL Compiler Version 3 and its associated Object-Time Subroutine Library.

Directed at either the COBOL programmer or the operator, this publication presents messages within each of two main sections, "Compile-Time Messages" and "Object-Time Messages." The description of each message includes the identifying alphanumeric code, the message text, an explanation of the error condition, the resulting compiler action, and the appropriate response to correct the error.

The corequisites to this publication of *IBM System/360 Disk Operating System: Full American National Standard COBOL,* Order No. GC28-6394, and *IBM System/360 Disk Operating System: Full American National Standard COBOL Compiler and Library, Version 3 Programmer's Guide,* Order No SC28-6441. 156 pages

GC28-6698 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION GUIDE 36

This publication describes the concepts, features and implementation of TSO, a general purpose time-sharing facility operating under the MVT configuration of the control program. This manual is intended for those who design, generate, and maintain a TSO installation. Topics discussed are:

- The capabilities and advantages of time sharing in general and TSO in particular.
- The programming languages and system facilities available to a TSO terminal user.
- The system configurations TSO requires.
- How to generate and maintain a TSO system.
- The Program Products available with TSO.

Prerequisite publications are:
IBM System/360 Operating System:
MVT Guide
Concepts and Facilities

Information in this publication for TSO is for planning purposes until that item is available. 128 pages

SC28-6732 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND LANGUAGE REFERENCE 36

This reference publication describes the TSO command language that a terminal user may use to request the services of TSO.

The "Introduction" describes what the command language is. The section entitled "What You Must Know to Use the Commands" contains general information necessary for the use of every command.

The section entitled "The Commands" contains a description of each command, its operands and its subcommands. Examples are included.

"Command Procedure Statements" describes the statements designed for use in command procedures. The "Glossary" contains definitions of terms contained in the text of the publication.

Information in this publication for TSO, the IBM 2260 and 2265 Display Stations is for planning purposes until those items are available. 316 pages

GC28-6753 IBM SYSTEM/360 DISK OPERATING SYSTEM: TAPE AND DISK SORT/MERGE PROGRAM, PROGRAM NUMBER 5736-SM1 33

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GC28-6759 IBM SYSTEM/360 OPERATING SYSTEM DATA SET UTILITIES SUPPORT FOR ASCII 32

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

SC28-6760 IBM SYSTEM OPERATING SYSTEM: DATA SET UTILITIES SUPPORT FOR ASCII — USER'S GUIDE PROGRAM PRODUCT 5734-UT2 32

This publication describes the data set utilities that support the American National Standard Code for Information Interchange (ASCII).

It describes:

- The capabilities and limitations of the utility programs when used to process ASCII data sets.
- The control statements needed to process ASCII data sets.
- The possible applications of the utility programs.

System/360 Operating System Data Set Utility Support for ASCII is a program product that assists programmers responsible for creating and maintaining operating system data. When using this support, ASCII data sets, as well as EBCDIC data sets, can be created and maintained, although all System/360 operations are in EBCDIC. 200 pages

GC28-6762 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION TERMINALS 36

Describes how to use the terminals supported by the Time Sharing Option of the IBM System/360 Operating System. It is intended for all TSO terminal users. The operation and characteristics of the following terminals in a TSO environment are discussed:

IBM 2741 Communication Terminal.
IBM 1052 Printer-Keyboard.
Teletype* Model 33.
Teletype* Model 35.

Each section is independent and a user need read only the section describing the terminal he is using.

An appendix describes the LOGON, LOGOFF, PROFILE, and TERMINAL commands which a user issues to control his terminal session.

IBM System/360 Operating system: Time Sharing Option, Command Language Reference, GC28-6732 is a co-requisite publication.

Information in this publication for TSO is for planning purposes until that item is available. 44 pages

GC28-6763 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION TERMINAL USER'S GUIDE 36

The Time Sharing Option (TSO) of the IBM System/360 Operating System lets you use the facilities of a computer from a terminal. You define your work to the system through the TSO Command Language. This publication explains to all users of TSO how to use the TSO Command Language to perform the following functions:

- Start and end a terminal session.
- Enter and manipulate data.
- Program at the terminal.
- Test a program.
- Write and use command procedures.
- Control a system with TSO.

After becoming familiar with the information presented in this manual, you may use *IBM System/360 Operating System: Time Sharing Option, Command Language Reference,* GC28-6732 for review and reference.

Information in this publication for TSO is for planning purposes until that item is available. 112 pages

GC28-6764 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION GUIDE TO WRITING A TERMINAL MONITOR PROGRAM OR A COMMAND PROCESSOR 36

This publication describes features of TSO that can be replaced, modified, or added to by each user of TSO to adapt it to his particular needs. The manual is intended for programmers whose responsibility it is to modify the protions of TSO that communicate directly with the user at the terminal.

It discusses the Terminal Monitor Program and the Command Processors from the viewpoint of their replaceability, and it describes the programming features provided within TSO for user-written Terminal Monitor Programs, Command Processors, and applications programs. These features include:

Service Routines
Macro Instructions
SVCs
The Dynamic Allocation Interface Routine (DAIR)
The Test Command Processor

Information in this publication for TSO is for planning purposes until that item is available. 288 pages

SC28-6765 IBM SYSTEM/360 OPERATING SYSTEM: TSO DATA UTILITIES: COPY, FORMAT, LIST, MERGE USER'S GUIDE AND REFERENCE 32
Program Product 5734-UT1

The TSO Data Utilities: COPY, LIST, FORMAT, MERGE is a program product designed to augment the text and data manipulation capabilities of the TSO Command Language. This publication describes the syntax and use of the TSO Data Utility commands: COPY, FORMAT, LIST, and MERGE. This publication is intended for use by terminal users whose installation includes this TSO program product. This manual has two sections:

- "How to Use the Commands" describes the operations that can be performed by using the utility commands and subcommands at a terminal.
- "Command Descriptions" describes the syntax of the four utility commands; COPY, FORMAT, LIST and MERGE and the two subcommands of the EDIT command, FORMAT and MERGE. Examples of each command and subcommand are included.

Prerequisites and corequisites for this publication are:

IBM System/360 Operating System: Time Sharing Option, Command Language Reference, GC28-6732.

IBM System/360 Operating System: Time Sharing Option, Terminal User's Guide, GC28-6763. 56 pages

GC28-6831 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/1 AND BASIC PROGRAM PRODUCT SPECIFICATIONS 29
Program Numbers: 5734-RC2, 5734-RC4

These Program Product Specifications are for System/360 Operating System Time Sharing Option Interactive Terminal Facility: PL/1 and BASIC. 2 pages

GC28-6832 IBM SYSTEM/360 OS CODE AND GO FORTRAN 25

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

SC28-6838 IBM SYSTEM/360 OPERATING SYSTEM (TIME SHARING OPTION) INTERACTIVE TERMINAL FACILITY: PL/1 INTRODUCTION 29
Program Numbers: 5734-RC2, 5734-RC4

No abstract available. 72 pages

SC28-6839 IBM SYSTEM/360 OS (TSO) ITF: PL/1 TERMINAL USER'S GUIDE 29
Program Numbers: 5734-RC2, 5734-RC4

This publication provides tutorial and reference information for users of the PL/1 language component of the Interactive Terminal Facility (ITF), and IBM Program Product that operates under the Time Sharing Option (TSO) of the System/360 Operating System (OS).

This guide tells how to use ITF: PL/1 in the TSO environment. It includes detailed descriptions of the ITF: PL/1 language elements, that portion of the TSO command language that applies to ITF: PL/1, and other reference information, including all of the ITF: PL/1 error messages. Sample programs and examples appear throughout the text.

This publication is intended for the TSO ITF: PL/1 terminal user. Users with little or no programming experience should be thoroughly familiar with the concepts presented in the publication *IBM System/360 OS (TSO) ITF: PL/1 Introduction,* Order Number SC28-6838. Users whose scope of work extends beyond ITF: PL/1 should consult the TSO publications listed in the preface. 268 pages

SC28-6840 IBM SYSTEM/360 OS (TSO) ITF: BASIC TERMINAL USER'S GUIDE 23
Program Numbers: 5734-RC2, 5734-RC4

This publication provides tutorial information and reference material for users of the BASIC language component of the Interactive Terminal Facility (ITF), a Program Product that operates under the Time Sharing Option (TSO) of the System/360 Operating System (OS).

The book tells how to use ITF in the TSO environment, and how to write programs in BASIC; it also includes detailed descriptions of the BASIC language elements, a subset of the TSO command language, as well as error recognition and correction. Sample programs and examples of the use of ITF: BASIC appear throughout the text.

This publication is intended for the TSO ITF: BASIC terminal user. No previous knowledge of programming or of the BASIC language is required. 204 pages

SC28-6841 IBM SYSTEM/360 OS (TSO) ITF INSTALLATION REFERENCE MATERIAL 31
Program Numbers: 5734-RC2, 5734-RC4

This publication describes the information required by the central computing installation to install and run the Interactive Terminal Facility (ITF). This includes installation procedures, storage estimates, ITF control user functions, and terminal messages.

ITF runs as a command processor under the Time Sharing Option (TSO) of System/360 Operating System (OS). It supports conversational problem solving in the ITF: PL/1 and/or ITF: BASIC languages.

This publication is intended for the TSO ITF control user who installs TSO ITF, and who adds the ITF terminal users to the TSO system. 90 pages

SC28-6851 IBM SYSTEM/360 DOS FORTRAN IV LIBRARY ASCII SUPPORT: PROGRAMMER'S GUIDE SUPPLEMENT 25
Program Number 5736-LM1

This publication explains how to install and use the IBM System/360 Disk Operating System FORTRAN IV Library ASCII Support Package. ASCII is an acronym used to refer to the American National Standard Code for Information Interchange, a 7-bit character code. The internal code used by System/360 is based on an 8-bit character. With the DOS FORTRAN IV Library ASCII Support Package, DOS users may process and create magnetic tape data sets recorded in accordance with the ASCII code.

This publication assumes a knowledge of the FORTRAN IV language, and familiarity with how to compile, linkage edit, and execute programs under control of the IBM System/360 Disk Operating System. 16 pages

SC28-6852 **IBM SYSTEM/360 OS FORTRAN IV (H EXTENDED) COMPILER PROGRAMMER'S GUIDE** **25**
Program Numbers: 5734-FO3, 5734-LM3

This publication describes the steps to compile, link edit, and execute a FORTRAN IV program using the FORTRAN IV (H Extended) compiler, and IBM Program Product that operates under the control of the IBM System/360 Operating System. The methods of invoking each step, input to the steps, and output from the steps, are detailed. In addition, compiler options, features of the operating system used by the FORTRAN programmer, and practices for coding more efficient FORTRAN programs are discussed.

This publication is directed to programmers familiar with the FORTRAN IV language. Previous knowledge of the IBM System/360 Operating System is not required. 208 pages

SC28-6853 **IBM SYSTEM/360 OS CODE AND GO FORTRAN AND FORTRAN IV (G1) PROGRAMMER'S GUIDE** **25**
Program Numbers: 5734-FO1, 5734-FO2, 5734-LM1

This publication is directed to programmers using either the IBM System/360 Code and Go FORTRAN or FORTRAN IV (G1) compiler. It explains how to use the IBM System/360 Operating System to compile, link edit, and execute programs written in the IBM System/360 FORTRAN IV language.

In addition, it contains information on processing efficiency, extended error handling, debugging specifications, and Assembler language subroutine linkage conventions.

This publication is directed primarily to programmers familiar with the FORTRAN IV language. Previous knowledge of the IBM System/360 Operating System is not required. 190 pages

GC28-6854 **IBM SYSTEM/360 OPERATING SYSTEM FORTRAN IV (G1) PROCESSOR** **25**
Program Number: 5734-FO2

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

SC28-6856 **IBM SYSTEM/360 OS FORTRAN IV (G1) PROCESSOR AND TSO FORTRAN PROMPTER INSTALLATION REFERENCE MATERIAL**
Program Numbers: 5734-FO2, 5734-CP3

This publication describes the information required by the central computing installation to install and run the FORTRAN IV (G1) compiler and the TSO FORTRAN Prompter. The information includes installation procedures for each program product, storage estimates, system information, and messages produced by the compiler and the prompter.

The FORTRAN IV (G1) compiler contains the interfaces necessary for use of list-directed I/O when the compiler is used with the Mod I library. When operated in the TSO foreground, the G1 compiler interacts directly with the terminal user through terminal-directed diagnostics and through its interface with the TSO FORTRAN Prompter. The FORTRAN Prompter is a TSO foreground program product providing simple access to the G1 compiler, and conversational interaction with it. The Prompter is not a requirement for operating the G1 compiler with TSO, however.

This publication is intended for Operating System/360 personnel responsible for installing either the FORTRAN IV (G1) compiler alone at any Operating System/360 installation, or the G1 compiler together with the TSO FORTRAN Prompter at an Operating System/360 installation with TSO. It is also intended for the system programmer responsible for maintenance of either program product within the system. 48 pages

GC28-6857 **IBM SYSTEM/360 OS TIME SHARING OPTION FORTRAN PROMPTER** **25**

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

SC28-6858 **IBM SYSTEM/360 OS FORTRAN IV LIBRARY (MOD I) INSTALLATION REFERENCE MATERIAL** **25**
Program Number: 5734-LM1

This publication describes the information required by the central computing installation to install and run the FORTRAN IV Library (Mod 1). The information includes installation procedures, storage estimates, system information, and library-produced messages.

The FORTRAN IV Library (Mod I) operates with the FORTRAN E, G, and H compilers, with FORTRAN IV (G1), and with the Code and Go FORTRAN compiler. The library supports features not contained in the base FORTRAN IV library, such as list-directed I/O, improved data conversion, and ASCII support. The library also includes special interfaces for running in the TSO foreground.

This publication is intended for Operating System/360 personnel responsible for installing the library, as well as for the system programmer responsible for maintenance of the library within the system. 65 pages

SC28-6859 **IBM SYSTEM/360 OS CODE AND GO FORTRAN PROCESSOR INSTALLATION REFERENCE MATERIAL** **25**
Program Number: 5734-FO1

This publication describes the information required by the central computing installation to install and run the FORTRAN IV Code and Go compiler. The information includes installation procedures, storage estimates, system information, and messages produced by the compiler.

The Code and Go compiler is a quick-response, high-performance processor which can be used with TSO or as a batch compiler. It combines a very fast compile time and an ability to accept both free-form and fixed-form source code. Its use is directed toward the problem-solving programmer who has no need to specify a wide range of compiler options, and toward the professional programmer wishing to develop and test small programs or portions of programs before compiling with one of the other FORTRAN processors.

This publication is intended for Operating System/360 personnel responsible for installing the FORTRAN IV Code and Go compiler, as well as for the system programmer responsible for maintaining it within the system. 60 pages

SC28-6861 **IBM SYSTEM/360 OS FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MOD II) INSTALLATION REFERENCE MATERIAL** **25**
Program Numbers: 5734-FO3, 5734-LM3

The FORTRAN IV (H Extended) compiler and the FORTRAN IV Library (Mod II) are released as independent components that require installation under the IBM System/360 Operating System.

This publication describes the procedures for installing the FORTRAN IV (H Extended) compiler ant the FORTRAN IV Library (Mod II). It is intended for use by system programmers or planners who supervise the generation and maintenance of an installation's operating system. 64 pages

GC28-6862 **IBM SYSTEM/360 OS: FORTRAN IV (H EXTENDED) COMPILER** **25**

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GC28-6863 **IBM SYSTEM/360 OS: FORTRAN IV LIBRARY (MOD II)** **25**

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

SC28-6864 **IBM SYSTEM/360 OS FORTRAN IV MATHEMATICAL AND SERVICE SUBPROGRAMS SUPPLEMENT FOR MOD I AND MOD II LIBRARIES** **25**
Program Numbers: 5734-LM1, 5734-LM3

This publication is a supplement to *IBM System/360 Operating System: FORTRAN IV Library—Mathematical and Service Subprograms*, Order No. GC28-6818. Together, these publications describe the mathematical and service subprograms in the FORTRAN IV Mod I and Mod II libraries.

In general, the base publication documents those subprograms that handle single and double precision quantities; this supplement documents those subprograms that handle extended precision quantities. 34 pages

SC28-6865 **IBM SYSTEM/360 OS FORTRAN IV (H EXTENDED) COMPILER AND LIBRARY (MOD II) MESSAGES** **25**
Program Numbers: 5734-FO3, 5734-LM3

This publication contains a detailed description of the messages generated by the FORTRAN IV (H Extended) Compiler and the FORTRAN IV Library (Mod II), IBM Program Products that operate under the control of the IBM System/360 Operating System. 140 pages

C28-8194 **IBM SYSTEM/360 DISK OPERATING SYSTEM FORTRAN IV LIBRARY ASCII SUPPORT** **25**
Program Number 5736-LM1

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GC30-2022 **IBM SYSTEM/360 OPERATING SYSTEM TELECOMMUNICATIONS ACCESS METHOD (TCAM) CONCEPTS AND FACILITIES** **30**
Program Number: 360S-CQ-548

This publication provides a basic introduction to the concepts of (and the facilities provided by) the IBM System/360 Operating System Telecommunications Access Method (TCAM). It also briefly describes the characteristics and operating concepts of a computer-based telecommunications system.

TCAM is a complete, centralized, real-time telecommunications access method that controls allocation and use of all system resources. TCAM facilities control the transfer, editing, and processing of data from remote stations. Variety, flexibility, and modularity of these TCAM facilities permit selection of the necessary support for any telecommunications application.

A basic knowledge of System/360 machine concepts and Operating System data management techniques is required for understanding this publication. 62 pages

GC30-2024 **IBM SYSTEM/360 OPERATING SYSTEM TELECOMMUNICATIONS ACCESS METHOD (TCAM) PROGRAMMER'S GUIDE AND REFERENCE MANUAL** **30**
Program Number 360S-CQ-548

This book is a reference manual and coding guide for the programmer who must construct or modify a TCAM Message Control Program (MCP), or who must write a TCAM-compatible application program. It explains how to write a TCAM MCP, how to write a TCAM-compatible application program, and how to use a variety of auxiliary service facilities. Also included is information that might be of use in planning and setting up a teleprocessing system incorporating TCAM. The reader is expected to be familiar with the contents of the publication *IBM System/360 Operating System Telecommunications Access Method (TCAM) Concepts and Facilities*, Order no. GC30-2022. 476 pages

SC33-4004 **IBM SYSTEM/360 OPERATING SYSTEM – SORT/MERGE SYSTEM INFORMATION** **33**
Program Number 5734-SM1

This publication describes how to generate the sort/merge program 5734-SM1, what its storage requirements are, and the messages issued by it. The system information for the sort/merge program is presented in three self-contained modules: System Generation/Installation, Storage Requirements, and Messages. The reader may also need IBM System/360 Operating System Sort/Merge Programmer's Guide (SC33-4007) and IBM System/360 Operating System: Utilities (GC28-6550) for reference or review. 74 pages

GC33-4006 **IBM SYSTEM/360 OPERATING SYSTEM, SORT/MERGE PROGRAM PRODUCT SPECIFICATIONS** **33**
Program Number 5734-SM1

The Program Product Specifications (PPS) describe the warranted specifications of the subject Program Product. 2 pages

SC33-4007 **IBM SYSTEM/360 OPERATING SYSTEM SORT/MERGE PROGRAMMER'S GUIDE** **33**
Program Number 34-SM1

This manual describes how to use the IBM System/360 Operating System Sort/Merge Program (Program Number 5734-SM1). It is intended for programmers who wish to sort (arrange in a given order) or merge records (create one sorted sequence of records from two or more sorted sequences).

The Major topics covered in this manual are: sort/merge program control statements and job control language (JCL) statements required by the program; linking user exit routines to the sort/merge program; and achieving maximum program efficiency.

To use this manual you should already have a basic understanding of the operating system and its job control language. You should have the following manuals available for reference or review:

IBM System/360 Operating System:
Concepts and Facilities, Order No. GC28-6535
Job Control Language User's Guide, Order No. GC28-6703
128 pages

GC33-4008 **IBM SYSTEM/360 OPERATING SYSTEM SORT/MERGE TIMING ESTIMATES** **33**
Program Number 5734-SM1

This publication contains total execution times of the sort/merge program (5734-SM1) for over 56,000 sorting applications. Times are for sorts executed on the IBM System/360 Models 30, 40, 50, 65, and 75 and on the IBM System/370 Model 155 with various amounts of main storage assigned to the program. Typical input data set sizes, record lengths, and I/O configurations are shown. 112 pages

SC33-5001 **IBM SYSTEM/360 DOS ASCII MAGNETIC TAPE UTILITIES PROGRAMMING GUIDE** **32**
Program Number 5736-UT2

These ASCII Magnetic Tape Utility programs provide the DOS user with a set of utility programs for data files codes in ASCII (The American National Standard Code for Information Interchange). The functions provided by these programs include comparing tape files on one or more reels. and file-to-file transfer between magnetic tape, DASD, printer, and card devices. Translation between ASCII and EBCDIC is automatically performed by the system where necessary.

This programming guide is intended for use by programming personnel responsible for utility applications. It explains how to

prepare the utility modifier and field select statements and the control information necessary to run these utilities. Job control examples, program messages, operator messages, and the ASCII EBCDIC conversion tables are included. The programs discussed are the card-to-tape, data cell-to-tape, disk-to-tape, tape-to-card, tape-to-data cell, tape-to-disk, tape-to-printer, tape-to-tape, and tape compare utility programs.

For background information control programs, refer to the SRL publication *IBM System/360 Disk Operating System: System Control and System Service Programs.* Order No. GC24-5036. For titles and abstracts of other associated publications, see the *IBM System/360 Bibliography,* Order No. GA22-6822. 98 pages

GC33-5002 IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE UTILITIES 32
Program Number 5736-UT2

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GC33-5004 IBM SYSTEM/360 DOS PLANNING GUIDE FOR PROGRAMMING THE IBM 3330 DIRECT ACCESS STORAGE FACILITY 20

This publication is a planning guide for programmers, programming managers, and systems analysts who are intending to use an IBM System/370 configuration with the IBM 3330 Direct Access Storage Facility under the Disk Operating System.

The information in this document is divided into the following three sections:

- An introduction that explains the functions of the IBM 3330 DASF supported by the Disk Operating System.
- A section explaining the changes to DOS IOCS to support the 3330 DASF.
- A section describing the changes required to other programming components.

This publication explains only the changes to current DOS IOCS, which is described in full in *IBM System/360 Disk Operating System, Supervisor and Input/Output Macros* GC24-5037.

Readers should also be familiar with

IBM System/360 Disk Operating System, System Control and Service Programs, GC24-5036,

IBM System/360 Disk and Tape Operating Systems, Utility Programs Specifications, GC24-3465, and

IBM System/360 Disk Operating System, System Generation and Maintenance, GC24-5033.

Titles and abstracts of other DOS manuals are given in the *IBM System/360 and System/370 Bibliography,* GA22-6822. 8 pages

GE20-0350 A PREFACE TO LINEAR PROGRAMMING AND ITS APPLICATIONS 60

This manual attempts to motivate the reader's interest in an important, general purpose tool called linear programming. The stress is on examples, benefits, and applications in a wide spectrum of industries and disciplines; the literature references are especially extensive. Included is a simple nontechnical glossary of basic concepts. Another manual 'An Introduction to Linear Programming' (GE20-8171), explains linear programming and problem formulation through several numeric examples, including an oil refinery case history. That manual also has a substantial technical glossary. 36 pages

GH19-2000 IBM VEHICLE SCHEDULING PROGRAM–EXTENDED (OS AND DOS) GENERAL INFORMATION MANUAL 65
Program Numbers 5734-XM5 (OS)
5736-XM3 (DOS)

This publication describes the general capabilities of the IBM Vehicle Scheduling Program–Extended (VSPX), and explains some of its various uses.

The Vehicle Scheduling Program–Extended determines the route that a group of vehicles must travel in order to meet certain commitments in the delivery of services or products to a given number of destinations. The result is a feasible schedule representing a good balance of basic-variable values, such as travel time and number of vehicles used.

To achieve this, the program analyzes a network representing the potential calling points and computes either the actual or the approximate distances between all points. A schedule is then produced which adheres to such restrictions as route time, speed, vehicle capacity, and customer requirements.

The reader of this manual should be familiar with data processing and the IBM System/360 or IBM System/370. 28 pages

SH19-2304 IBM VEHICLE SCHEDULING PROGRAM–EXTENDED (OS AND DOS) PROGRAM DESCRIPTION MANUAL 65
Program Numbers: 5734-XM5 (OS)
5736-XM3 (DOS)

This manual contains detailed information about the preparation for, the functions of, and the use of the IBM Vehicle Scheduling Program–Extended (VSPX). Detailed suggestions concerning data preparation are included. The reader should be familiar with the General Information Manual IBM Vehicle Scheduling Program–Extended (OS and DOS), Form GH19-2000. 144 pages

SH19-2607 IBM VEHICLE SCHEDULING PROGRAM–EXTENDED OPERATIONS MANUAL (OS) 65
Program Number 5734-XM5

This manual describes the machine-readable material of the Vehicle Scheduling Program–Extended (VSPX), executed under OS, as distributed to the users. It discusses all procedures required for generating, cataloging, and executing VSPX. It also lists the error messages issued by VSPX. This manual enables the user to install and execute VSPX. 44 pages

SH19-2608 IBM VEHICLE SCHEDULING PROGRAM–EXTENDED (DOS) OPERATIONS MANUAL 65
Program Number 5736-XM3

This manual describes the machine-readable material of the Vehicle Scheduling Program–Extended (VSPX), executed under DOS, as distributed to the users. It discusses all procedures required for generating, cataloging, and executing VSPX. It also lists the error messages issued by VSPX.

This manual enables the user to install and execute VSPX. 36 pages

GH20-0683 APL/360 USER'S MANUAL 65
Program Number: 5734-XM1
5736-XM1

This publication provides information necessary to use the APL/360 System. It discusses procedures and equipment required for interacting with the system, how to establish connection between terminal and central computer, how to start and end work sessions, and how to apply system control features. Application of the APL language to user problems is thoroughly discussed and appendices give both elementary and advanced examples of actual terminal sessions.

SH20-0684 APL/360–OS OPERATIONS AND INSTALLATION MANUAL 65
Program Number: 5734-XM1

This manual is in two parts.

Part I gives instructions for operating the APL/360 time-sharing system and the associated utility programs. System operations include APL initiation and termination, express port and multiprogramming management, and system debugging. The utility programs provide for the maintenance of system libraries and the management of accounting information. Suggestions for good practice in time-sharing and remote-computing operation are included, as well as notes on the proper use of the utility programs.

Part II describes the procedure for incorporating APL into an existing OS/360 (MVT) installation. It includes detailed instructions for preparing the host system for APL, allocating resources, and restoring the APL distributed library. Common problems encountered during system installation are noted and analyzed.

The appendices include a summary of the APL operator functions, and an example of OS MVT installation JOBs.

SH20-0685 APL/360–DOS OPERATIONS MANUAL 65
Program Number: 5736-XM1

This manual gives instructions for operating the APL/360 time-sharing system and the associated utility programs. System operations include starting and stopping APL, management of express ports and multiprogramming, and system debugging. The utility programs provide for the maintenance of system libraries and the management of accounting information. Suggestions for good practice in time-sharing and remote-computing operation are included, as well as notes on the proper use of the utility programs.

The appendices include a summary of the APL operator functions, and instructions for operating APL from the 1052-7 console typewriter, and for operating DOS with APL.

SH20-0686 APL/360–DOS SYSTEM GENERATION MANUAL 65
Program Number: 5736-XM1

This manual describes the procedure for generating an APL/360 system adapted to a particular machine configuration, and the procedure for updating an existing system to incorporate improvements. It includes detailed instructions for generating both the host system and APL, and an analysis of common problems encountered in the process.

The appendices include an example of system generation, a description of changes to the DOS supervisor for APL, and instructions for adding billing routines to the APL utility programs. Reference is made to APL/360–DOS Operations Manual, Form No. H20-0685.

GH20-0689 APL/360 PRIMER 65
Program Numbers: 5734-XM1
5736-XM1

This primer provides an introduction to the APL/360 system and to the APL programming language. It discusses the mechanics of using the system, and shows how to write representative programs for a variety of appplications. The treatment is elementary. For a discussion of advanced system features and available operations, refer to the APL/360 User's Manual (GH20-0683).

GH20-0775 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM APPLICATION DESCRIPTION MANUAL 65
Program Number 5736-F32

This application program is designed to assist the securities industry by automating the active box section of the cashier's department using IBM 2260 display terminals for both inquiry and security movement recording.

This manual is intended for the use of customers and IBM sales and systems engineering personnel. It gives a general description of the background, purpose, and intended market of the Active Certificate Information Program. Followed by sections on processing operations, installation planning and requirements, and modes of operation. A glossary is appended. 40 pages

GH20-0822 SYSTEM/3 APPAREL BUSINESS CONTROL SYSTEM APPLICATION DESCRIPTION MANUAL 65
Program Number 5701-D12

The Apparel Business Control (ABC) System is designed to assist apparel manufacturers in processing orders and performing other functions related to order processing.

Input to the system consists of cards representing customer orders and production cuts. Output from the system includes written orders, order registers, bookings reports, fabric requirements reports, analyses of orders by requested shipping periods, allocation reports, invoices, and invoice registers.

This manual presents an overview of the system. It contains general information regarding the purpose. inputs, and ouputs of the system. The audience for this manual includes customer executives, system analysts and programmers, and IBM marketing representatives and system engineers. 40 pages

GH20-0826 GENERAL PURPOSE SIMULATION SYSTEM V (DOS) APPLICATION DESCRIPTION 65

This manual discusses the role of the General Purpose Simulation System (GPSS) in system simulation and is designed to help the reader determine its applicability. The manual also discusses the need for simulation, describes the scope and features of General Purpose Simulation System V, and gives some examples. It is addressed to customer executives and others responsible for evaluating new systems. 20 pages

GH20-0841 DISPLAY MANAGEMENT SYSTEM APPLICATION DESCRIPTION 65
Program Number 5734-XC1

An interactive data processing system is one in which decision-making rests in the hands of qualified individuals who communicate directly with the computer by means of online devices such as the IBM 2260/65 Display Station. The Display Management System (DMS) is a series of application modules, operating under a supervisor, which greatly simplify the complexities of implementing interactive data processing operations that feature the 2260/65 Display Station. The data entry, update, and inquiry capabilities offered by DMS make it possible to implement many new or existing applications in the interactive environment without user programming. With three forms provided by DMS, the user implements his own applications on a customized basis by describing his data files, designing 2260/65 Display Station images (panels) in the language of his own application, and describing the utility functions that are required. An online work order system, such as might be used in a plant maintenance application, is used throughout as an example of the type of application easily implemented under DMS.

This manual provides an overview of the application area and describes the functions performed by the system. Customer responsibilities, performance specifications, programming system requirements, and minimum machine configuration are also included. 48 pages

GH20-0849 INTRODUCTION TO MATHEMATICAL PROGRAMMING SYSTEM – EXTENDED (MPSX) 65
Program Number 5734-XM4

The Mathematical Programming System – Extended (MPSX) is an IBM Program Product that provides expanded capabilities over the predecessor Mathematical Programming System (MPS/360). The optional Mixed Integer Programming (MIP) feature of MPSX provides the ability to solve mixed integer linear programming problems.

A typical mathematical programming application might include building a mathematical model, finding an optimal solution, determining the effect of changing key data on the optimal solution, computing alternate solutions by systematically varying cost or requirement data, and preparing a management report. Application areas include material allocation, ingredient blending, production planning, investment, capital budgeting, plant/warehouse location, machine loading, work force allocation, production/distribution models, and other optimization areas.

This manual is an overview of the capabilities of MPSX and its optional feature, MIP. Minimum machine configuration, problem capacity and timing considerations are discussed. 40 pages

GH20-0852 INTRODUCTION TO MINIPERT 65
Program Number 5734-XP3

MINIPERT is a conversational, interactive, critical path IBM Program Product that operates under an APL/360 system configuration. The program provides PERT-type information for planning, scheduling, c

controlling any project by using terminals as the input/output device. It operates on any IBM System 360/OS or DOS system where the program product APL/360-OS (5734-XM1) or APL/360-DOS (5736-XM3) is installed.

MINIPERT places the well established project control technique of PERT in an interactive environment, thus overcoming the traditional turnaround problem experienced in a batched environment. This publication summarizes the highlights of the MINIPERT program. 24 pages

GH20-0854 PROCEDURE LIBRARY—MATHEMATICS (PL—MATH) GENERAL INFORMATION MANUAL 65
Program Number 5734-XM3

The Procedure Library—Mathematics program (PL—MATH) is a collection of mathematical procedures written in the PL/I language. It consists of input/output-free computational building blocks, written completely in PL/I, which may be combined with a user's input, or computational routines as needed. The procedures in this library may be applied to the solution of many problems in industry, science, and engineering.

This manual presents an introduction to PL—MATH, a list of the capabilities of the library, rules of usage, machine configuration, programming systems, and a list of reference material. 20 pages

SH20-0868 GENERAL PURPOSE SIMULATION SYSTEM V—DOS OPERATIONS MANUAL 65
Program Number 5736-XS3

This manual contains sufficient information to enable the user to link edit and incorporate the GPSS program into a system for subsequent execution under the control of the Disk Operating System/360. Detailed examples are given to illustrate the DOS job control statements required to execute models that use various features of GPSS.

This manual explains the quantity of GPSS entities and the core allocation needed to fit modeling requirements. The various data sets required by GPSS are also listed and described.

Several extended features of GPSS are explained in detail. These include the Run Length, Load, and Auxiliary Storage features and user-written FORTRAN and PL/I HELP routines. Sufficient examples are provided to enable the user to implement these features. 64 pages

SH20-0870 SYSTEM/360 FINANCIAL TERMINAL SYSTEM PROGRAM DESCRIPTION 65
Program Number 5736-F12

The System/360 Financial Terminal System comprises a comprehensive modular set of programs designed to provide an efficient multiprogramming environment for communication-based users. The online system functions as an interface between user-written application programs and the DOS/360 multitasking supervisor and BTAM. Thus, high-level control of a terminal network with concurrent processing of up to eight message transactions within one DOS partition is provided. To obtain the necessary resources and services for transaction processing, user programs issue FTS and/or DOS macros.

In addition, FTS provides guidelines and offline programs to facilitate the installation of the online system and promote its effective operation. 76 pages

SH20-0871 SYSTEM/360 FINANCIAL TERMINAL SYSTEM OPERATIONS MANUAL 65
Program Number 5736-F12

This manual contains system preparation information, procedural descriptions, and operating instructions for all facets of the System/360 Financial Terminal System operation. These include unpacking the machine-readable material comprising FTS. system generation, loading, initialization, testing, online control, system performance analysis, and postprocessing.

For a more comprehensive understanding of FTS, the system operator is directed to the FTS Program Description Manual (SH20-0870). 140 pages

SH20-0872 SYSTEM/360 FINANCIAL TERMINAL SYSTEM, PROGRAMMER'S MANUAL 65
Program Number 5736-F12

The System/360 Financial Terminal System (FTS), operating with the DOS multitasking supervisor and BTAM in a DOS partition, provides efficient multitasking capabilities to communications-based users.

This manual serves as a guide for designing, writing, and testing transaction processors to be executed under FTS. The FTS environment, requirements, and macro instructions are described along with programming techniques. 136 pages

GH20-0873 FARE QUOTE/TICKETING APPLICATION DESCRIPTION MANUAL 65
Program Number 5736-T11

This program provides a modular domestic U.S. airline fare quotation and ticketing system designed to be integrated with the IBM Programmed Airlines Reservation System (PARS). This program operates under the supervision of the Airlines Control Program (ACP). 24 pages

GH20-0874 COMPUTER SYSTEM SIMULATOR II (CSS II) GENERAL INFORMATION 65
Program Number 5734-XS5

This manual contains a general description of the Computer System Simulator, a program designed to analyze the operation of computer systems – both programs and equipment. The CSS language is presented, along with a description and samples of the output obtainable. New features not available in previous versions are described. The scope of the program is indicated by two case studies in which CSS was used; these illustrate the type of problem for which CSS can be useful and the magnitude of the effort required. 24 pages

SH20-0875 COMPUTER SYSTEM SIMULATOR II (CSSII) PROGRAM DESCRIPTION 65
Program Number 5734-XS5

This manual provides a definitive description of the Computer System Simulator, a simulator program for analyzing the performance of computer systems. The structure and language of the program are explained in detail, with some examples showing the application of the program. In addition, the operation procedures for running the program are included. 268 pages

GH20-0876 THE REAL—TIME MONITOR (RTM) PROGRAM DESCRIPTION MANUAL, 60
Program Number 360A-SV-001

The Real—Time Monitor (RTM) is co-resident with OS. It provides fast interrupt response for real-time, event—driven systems. Normal OS jobs continue to run while the Monitor services real—time interrupts and schedules real—time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real—time jobs. This manual presents the general design concepts of RTM and functional capabilities that enable the user to run real—time and non—real—time jobs concurrently.

It is assumed that the reader is familiar with standard OS terminology. 20 pages

GH20-0877 THE REAL—TIME MONITOR (RTM), OPERATIONS AND PROGRAMMER'S GUIDE 60
Program Number 360A-SV-001

The REAL—Time Monitor (RTM) is co-resident with OS. It provides fast interrupt response for real-time, event-driven systems. Normal OS jobs continue to run in background mode while the Monitor services real-time interrupts and schedules real—time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real-time jobs. This manual describes the operating instructions, programming services, and the control blocks required to install RTM and to design application programs that run under RTM. 72 pages

SH20-0879 DATA/360 – DOS CONSOLE OPERATOR'S GUIDE 65
Program Number 5736-XS2

This manual presents (1) a procedure for initializing the DATA/360 system, (2) a description of DATA/360 utilities and procedures for using them, and (3) a complete and detailed description of all files and their associated formats. 52 pages

SH20-0885 DATA/360 – DOS TERMINAL OPERATOR'S GUIDE 65
Program Number 5736-XS2

This manual describes the entire command structure for DATA/360. Each command (both primary and secondary) is explained in sufficient detail to enable an experienced keypunch operator to quickly acquire the skills necessary to exploit the advantages offered by the DATA/360 system. This manual is organized to facilitate teaching of inexperienced operators as well as to serve as a reference guide. In addition, the Appendix contains a step-by-step self-tutoring DATA/360 primer. 36 pages

SH20-0890 APL/360 – OS OPERATIONS AND INSTALLATION MANUAL 65
Program Number 5734-XM6

This manual is in three parts.

Part I gives instructions for operating the APL/360 time-sharing system. Suggestions for good practice in time-sharing and remote-computing operation are included.

Part II gives instructions for operating the APL/360 Utility program.

Part III describes the procedure for incorporating APL into an existing installation. It includes instructions for preparing the OS system for APL, allocating resources, and restoring the distributed APL library. Common problems encountered during system installation are noted and analyzed. 76 pages

GH20-0892 GENERALIZED INFORMATION SYSTEM VERSIOK 2 (GIS/2) APPLICATION DESCRIPTION 65
Program Number 5734-XX1

This manual surveys the operational concepts and system capabilites of the Generalized Information System, Version 2. The manual introduces the language of GIS/2 and describes the file organization and processing actions supported by GIS/2.

The Generalized Information System operates under control of the Operating System on System/360 and System/370 and supports a wide variety of applications by providing information-handling capabilities against many typical data base organizations. GIS/2 provides facilities for defining, maintaining, and retrieving data from user files under direction of the using installation and its personnel. 76 pages

SH20-0893 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM OPERATIONS MANUAL 65
Program Number 5736-F32

This manual gives instructions for operating the Active Certificate Information (ACIP) from the System/360 console operator's point of view. System/360 operations include ACIP start and stop procedures, control card setup, system generation, and console messages. 32 pages

SH20-0894 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM TERMINAL OPERATOR'S MANUAL PROGRAM PRODUCT MANUAL 65

The active Certificate Information Program (ACIP) assists the box clerk in the operations of the active box section of the cashier's department. The certificate inventory and summarized pending instructions are maintained on-line and are updated by security move transactions.

This manual describes the operations used by a 2260 terminal operator for the ACIP program. It contains an explanation of the features and operating characteristics of the 2260 terminal and a complete description of all transactions with examples of their use. It includes explanations of the types of security records maintained on the master security description (MSD) file, with a description of the denominations in which resources are stored. Also covered are the elements of the MSD record keys with their associated codes.

Appendices contain examples of typical transaction response screens and descriptions of the data entry formats for transactions. 120 pages

SH20-0895 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM PROGRAM DESCRIPTION MANUAL PROGRAM PRODUCT MANUAL 65
Program Number 5736-F32

This manual describes the program functions and the processing performed by the Active Certificate Information Program. All terminal displays and record formats are included with an explanation of their contents. All user program options and user installation requirements are fully discussed. 108 pages

GH20-0896 FORTRAN CONVERSION AID PROGRAM, PRPQ FA 1287: GENERAL INFORMATION MANUAL 65
Program Number 5799-AAJ

The FORTRAN Conversion Aid Programming RPQ assists in converting programs written in certain non-System/360 FORTRAN dialects to System/360 executable code. Conversion is accomplished through translation, hand modification, compilation, and object-time library simulation. This programming RPQ is available on special quotation only (see inside front cover).

This manual briefly describes the major components, capabilities, and limitations of the FORTRAN Conversion Aid. Included is a listing of sample input and output for the Translator portion of the program. 24 pages

SH20-0897 FORTRAN CONVERSION AID PROGRAM, PRPQ FA 1287: PROGRAM DESCRIPTION AND OPERATIONS MANUAL 65
Program Number 5799-AAJ

The FORTRAN Conversion Aid Programming RPQ assists in converting programs written in certain non-System/360 FORTRAN dialects to System/360 executable code. Conversion is accomplished through translation, hand modification, compilation, and object-time library simulation. This programming RPQ is available on special quotation only (see inside front cover).

This manual gives a general overview of the Programming RPQ and its capabilities. It describes the components of the FORTRAN Conversion Aid and contains instructions for using it. 196 pages

SH20-0898 PROJECT MANAGMENT SYSTEM IV COST PROCESSOR PROGRAM DESCRIPTION & OPERATIONS MANUAL 65
Program Number 5734-XP4

This manual describes the Cost Processor, one of the four component processors of PMS IV. It explains how the Cost Processor fits into the System, and what it does. It describes in detail the format of all necessary cards and includes examples of an input deck listing and output reports. Further, it explains how to run the processor in the most economical way, and how to make full use of the processor's facilities to carry out fully satisfactory cost analysis. 168 pages

SH20-0899 PROJECT MANAGEMENT SYSTEM IV NETWORK PROCESSOR PROGRAM DESCRIPTION AND OPERATIONS MANUAL 65
Program Number 5734-XP4

This manual provides a detailed description of the Network Processor of PMS IV. It sets out in detail the format of the input cards and the

output generated. It explains the methods of calculation used and defines the OS/360 job control needed to run the Network Processor. It illustrates the standard reports and explains how to get the best out of the system. 176 pages

SH20-0900 PROJECT MANAGEMENT SYSTEM IV (PMS IV) RESOURCE ALLOCATION PROCESSOR PROGRAM DESCRIPTION AND OPERATIONS MANUAL 65
Program Number 5734-XP4

This manual provides a detailed description of the Resource Allocation Processor of PMS IV. It sets out in detail the output generated. It explains the methods of calculation used and defines the OS/360 jub control needed to run the Resource Allocation Processor. The manual also illustrates the standard reports and explains how to get the best out of the system. 100 pages

SH20-0901 PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR PROGRAM DESCRIPTION AND OPERATIONS MANUAL 65
Program Number 5734-XP4

This manual describes the Report Processor, one of the four component processors of PMS IV. It explains what the Report Processor is, how to use it, and how to run it most efficiently. It gives a complete description of all necessary input cards, and contains sample listings of input decks. It gives extensive guidance, with worked examples, toward modifying the Report Processor to obtain precisely the report required. 200 pages

GH20-0903 IBM DISK OPERATING SYSTEM FILING AND SOURCE DATA ENTRY TECHNIQUES FOR EASIER RETRIEVAL – MULTITHREAD (DOS FASTER MT) 65
Program Number: 5736-G24

DOS FASTER MT consists of a generalized set of macros and a teleprocessing monitor which aid and simplify the implementation of a teleprocessing system. Terminals supported are 1050, 2740, 2260, and 2265. The DOS FASTER MT System incorporates the capabilities to install inquiry, update, message routing, and data entry applications. The system employs a set of macro instructions that generate the line control, interface, and message processing functions, thereby eliminating the need for detailed knowledge of terminal communications control of BTAM. This capability makes the DOS FASTER MT System adaptable to a wide variety of applications. The system is designed to operate in a minimum 80K partition of a Model 2040G (or larger) System/360 or System/370.

The principal features are described, along with a discussion of the system design. Planning information is given to help determine the applicability of DOS FASTER MT to a particular operational environment. 36 pages

SH20-0906 APL/360-OS (5734-XM6), APL/360-DOS (5736-XM6), USER'S MANUAL
Program Numbers: 5734-XM6 5736-XM6

This publication provides information necessary to use the APL/360 System. It discusses procedures and equipment required for interacting with the system, how to establish connection between terminal and central computer, how to start and end work sessions, and how to apply system control features. Application of the APL language to user problems is thoroughly discussed and appendices give both elementary and advanced examples of actual terminal sessions. 160 pages

SH20-0908 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MIXED INTEGER PROGRAMMING (MIP) PROGRAM DESCRIPTION 65
Program Number 5734-XM4

This manual provides necessary information to process mixed integer linear programming problems using MIP, an optional feature of MPSX. As described in this manual, MIP can be used at either the straightforward, advanced, or sophisticated level, each succeeding level offering the user more capability. 164 pages

SH20-0909 DISPLAY MANAGEMENT SYSTEM PROGRAM DESCRIPTION
Program Number: 5734-XC1

An interactive data processing system is one in which decision making rests in the hands of qualified individuals who communicate directly with the computer by means of online devices such as the 2260/65 Display Station. The Display Management System (DMS) is a series of application modules, operating under a supervisor, which greatly simplify to the user the complexities of implementing interactive data processing operations that feature the 2260/65 Display Station. The data entry, update, and inquiry capability offered by DMS makes it possible to inplement many new or existing applications in the interactive environment without user programming. By use of three forms provided by DMS the user implements his own applications on a customized basis by describing his data files, designing 2260/65 Display Station images (panels) in the language of his own application, and describing the utility functions that are required. An online work order system, such as might be used in a plant maintenance application, is used throughout as an example of the type of application that can be easily implemented under DMS.

This manual contains detailed information that is intended for the system analyst, programmer, or other personnel responsible for implementation of an online system.

The manual contains a general description of the system, and example of system usage, detailed description of the input/output for which the user is responsible including the three DMS forms, a description of the processing techniques, discussion of the considerations involved in implementation of a customized work order system, and a sample problem. Information on timing, control and audit, modification aids, programming systems usage, and machine configuration is included. A bibliography is also provided.

SH20-0910 INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 SYSTEM/APPLICATION GUIDE 65
Program Number 5734-XX6

This manual is a guide for the application analyst or system analyst. Its contents will assist him in the design of an IMS/360 system as well as in the design of the application systems which will run under IMS/360. 300 pages

SH20-0911 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 SYSTEM PROGRAMMING REFERENCE MANUAL 65
Program Number 5734-XX6

Information Management System/360 is a processing program (control system) designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual provides system programming personnel with installation considerations and details for generation (definition) of an IMS/360 system for the user's data processing environment. The security maintenance program is included and message editing capabilities discussed. An IMS/360 sample problem is also provided. 276 pages

SH20-0912 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 APPLICATION PROGRAMMING REFERENCE MANUAL 65
Program Number 5734-XX6

Information Management System/360 (IMS/360) is a processing program (control system) designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual provides the details needed for an application program to be implemented under IMS/360. This manual is directed to the application programming interface (the coding techniques necessary for implementation of a designed application under the IMS/360 control program). The reader should be familiar with the *IMS/360 System/Application Design Guide* (SH20-0910) before reading this document. 120 pages

SH20-0913 INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 OPERATOR'S REFERENCE MANUAL 65
Program Number 5734-XX6

Information Management System/360 (IMS/360) is a processing program (control system) designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual provides the operator with the information associated with operating IMS/360 once the system has been established in a user environment. 152 pages

SH20-0914 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 MESSAGES AND CODES REFERENCE MANUAL 65
Program Number 5734-XX6

Information Management System/360 (IMS/360) is a processing program (control system) designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual lists, explains, and suggests appropriate responses to the completion codes, status codes, and messages produced by the IBM-supplied components of the IMS/360 system. 104 pages

SH20-0915 INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 UTILITIES REFERENCE MANUAL 6
Program Number 5734-XX6

Information Management System/360 (IMS/360) is a processin program (control system) designed to facilitate the implementation o medium to large common data bases in a multiapplication environmen This environment is created to accommodate both online messag processing and conventional batch processing, either separately o concurrently. The system permits the evolutionary expansion of da processing applications from a batch-only to a teleprocessin environment.

This manual explains how to execute the IMS/360 utilities program under Operating System/360. Described are data base descriptio generation and program specification block generation, data bas recovery and data base reorganization, and system log analysis. 2 pages

SH20-0919 DISPLAY MANAGEMENT SYSTEM OPERATIONS MANUAL
Program Number: 5734-XC1

This manual contains information that will enable the user to generat and incorporate the IBM Display Management System into a system fo subsequent execution under control of the IBM Customer Informatio Control System (CICS). Information is included for system mainte nance and terminal operation. All offline and online messages ar described.

GH20-0920 CONTROL PROGRAM – 67 ONLINE COBOL SYMBOLIC DEBUG APPLICATION DESCRIPTION MANUAL 6
Program No. 5799-AAE

The Online COBOL Symbolic Debug Program RPQ for COBOL F and ANS COBOL provides an interactive debugging facility for OS/36 COBOL programmers who operate in the virtual machine environmen of CP-67. This programming RPQ is available on special quotation onl (see inside front cover). The publication describes the Online COBO Symbolic Debug system. General design concepts and the interface with CP-67, CMS, and OS/360 are discussed. It assumes that the reade is familiar with the basic concepts of the IBM Control Program-67 (CP-67) and CMS. Both are described in *CP-67/CMS System Description Manual*, Form GH20-0802. 12 pages

SH20-0921 CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG USER'S GUIDE 6
Program Number 5799-AAE

This publication describes the facilities of the Online COBOL Symbol Debug Program RPQ. This programming RPQ is available on speci quotation only (see inside front cover). It is directed to the user of th system and includes all the information necessary to set up and test a COBOL program under Online COBOL Symbolic Debug. Termina characteristics, logging procedures, and system messages are als discussed. 132 pages

SH20-0922 CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG INSTALLATION MANUAL 6
Program Number 5799-AAE

This Programming RPQ is designed to allow users of a CP-67 system t debug COBOL programs interactively on a virtual machine which i running OS/360. This programming RPQ is available on speci quotation only (see inside front cover).

This publication describes the installation procedures for Onlin COBOL Symbolic Debug. For additional information see *IBM CP-6 Online COBOL Symbolic Debug, OS/360 in a Virtual Machine*. 5 pages

SH20-0923 CONTROL PROGRAM - 67 ONLINE COBOL SYMBOLIC DEBUG OS/360 IN A VIRTUAL MACHINE 6
Program Number 5799-AAE

This document describes characteristics of the operating environmen of the programs of the Online COBOL Symbolic Debug Program RPQ This programming RPQ is available on special quotation only (see insid front cover).

General guidelines for running OS/360 under CP-76 control ar given. Specific information is given for running the programs classed a OSAID* in the Online COBO& Symbolic Debug Program RPQ. Thi document is directed toward system programmers, and assume knowledge of OS/360. 40 pages

SH20-0924 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) OPERATIONS MANUAL 6
Program Number 5734-XM4

This manual contains information on the preparatory and operatin procedures for the Mathematical Programming System Extende (MPSX) and its Mixed Integer Programming (MIP) feature. 36 pages

SH20-0925 DATA/360 – OS TERMINAL OPERATORS GUIDE 65
Program Number 5734-XS3

DATA/360 is a method for entering data directly into a computer. This manual describes the commands of DATA/360. This manual is intended for those persons entering and verifying data and can be used as both a learning guide and a reference guide.

Technical information pertaining to generating and operating the DATA/360-OS system is found in the DATA/360-OS Console Operator's Guide (SH20-0926), and detailed reference information is in the DATA/360-OS System Manual (LY20-0638). 52 pages

SH20-0926 DATA/360-OS CONSOLE OPERATORS GUIDE 65
Program Number 5736-XS3

This manual contains detailed reference information for using the DATA/360-OS system and includes instructions for:

- Generating the System
- Building documents on the master file
- Operating the system
- Running the utilites
- Responding to internal messages

It is intended for those persons responsible for generating the system (systems programmers and data entry supervisors) and operating the system (computer operators and scheduler and systems personnel).

Detailed descriptions of the DATA/360-OS files and internals are located in the DATA/360-OS System Manual (LY20-0638). The DATA/360 Terminal Operator's Guide (SH20-0925) describes the IBD 2260 Display Station keyboard and DATA Terminal Operator Language (DATA/TOL) and contains an operator's training guide. 68 pages

SH20-0932 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) CONTROL LANGUAGE USER'S MANUAL 65
Program Number 5734-XM4

This manual is one of a series of manuals which describe the use of the IBM Mathematical Programming System Extended (MPSX). It is a prerequisite of *MPSX Linear and Separable Programming Program Description Manual* (SH20-0968) and assumes that the user is familiar with the *Introduction to MPSX* (GH20-0849) and *System/360 Job Control Language* (GC28-6539). This manual describes the organization of the components of MPSX and their interface with Operating System/360 (OS/360). It also describes in detail the control language used to communicate a solution strategy for solving a mathematical programming problem to MPSX, and the OS/360 job control language statements necessary to execute MPSX. 44 pages

SH20-0936 CONSOLIDATED FUNCTIONS ORDINARY II (CFO II) SYSTEM POLICY MASTER RECORD CODE BOOK PROGRAM DESCRIPTION VOLUME II 65
Program Number 5736-N13

This manual describes the basic master record section and each of the trailers of the policy master record, each field in the basic master record section and trailers, and the codes and values applicable to each field.

This is a preliminary CFO II manual intended for advanced planning. 112 pages

SH20-0937 CONSOLIDATED FUNCTIONS ORDINARY II (CFO II) SYSTEM MISCELLANEOUS PROGRAM DATA PROGRAM DESCRIPTION VOLUME III 65
Program Number 5736-N13

This preliminary manual contains information for use in advanced planning and implementing Consolidated Functions Ordinary II (CFO II). Part I of this manual contains the formats of the input, output, rate file, and miscellaneous CFO II records. Part II contains descriptions of customer constants, customer tables, transaction codes, preparation of input and rate file data, and output records. 172 pages

SH20-0938 APL/360-DOS OPERATIONS AND INSTALLATION MANUAL, 65
Program Number 5736-XM6

This manual is in three parts.

Part I gives instructions for operating the APL/360 time-sharing system. Suggestions for good practice in time-sharing and remote-computing operation are included.

Part II gives instructions for operating the APL/360 Utility programs.

Part III describes the procedure for incorporating APL into an existing installation. It includes instructions for preparing the HOST system for APL, allocating resources, and restoring the APL distributed library. Common problems encountered during system installation are noted and analyzed. 80 pages

GH20-0954 AIRLINES CONTROL PROGRAM (ACP) SYSTEMS DOCUMENTATION FILE SUPPORT PROGRAM SPECIFICATIONS BOOK 3 VOLUME 15 61

This publication, Volume 15 of a 19 volume set, describes in detail the program logic of the segments that constitute a supporting roll in maintaining the Airlines on line disk files. File support programs such as Capture/Restore, Fixed File Reorganization, Recoup and Pool Directory Generation and Maintenance are presented to the programmer along with each segment's individual logic diagram (flowchart). The complete logic descriptions for the File Support area are presented in volumes 13 through 15 of this set. The user should refer to each volume index for specific contents.

To properly relate this volume to other volumes in this set, the user should reference *Airlines Control Program (ACP) System Documentation: Introducton and Cross Reference.* GH20-0939-0. 540 pages

GH20-0956 AIRLINES CONTROL PROGRAM (ACP) SYSTEMS DOCUMENTATION OPERATIONAL SUPPORT PROGRAM SPECIFICATIONS BOOK 2 VOLUME 17 61

This publication, Volume 17 of a 19 volume set, describes in detail, the logic of those program segments that provide direct operational support within the ACP system for message formatting and routing, data collection, scroll control and file address computation.

These specifications are presented to the systems programmer along with logic diagrams (flowcharts) in volumes 16 and 17 and the individual volume indexes should be referenced for specific contents.

To properly relate this volume to the other volumes in this set, the user should refer to Airlines Control Program (ACP) Systems Documentation – Introduction and Cross Reference. GH20-0939-0. 466 pages

GH20-0957 AIRLINES CONTROL PROGRAM (ACP) SYSTEMS DOCUMENTATION ACP TEST TOOLS SPECIFICATIONS, MACROS AND USER'S GUIDE BOOK 1 VOLUME 18 61

This publication, Volume 18 of a 19 volume set, describes in detail the program logic of the segments that provide a test and analytical environment for programs use by the ACP. The complete logic description for the Test Tool programs are presented to the programmer in volumes 18 and 19 along with each individual segments logic diagram (flowchart) and the user should refer to each volume index for specific contents.

To properly relate this volume to the other volumes in this set, the user should refer to *Airlines Control Program (ACP) Systems Documentation – Introduction and Cross Reference.* GH20-0939-0. 516 pages

SH20-0959 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MESSAGE MANUAL 65
Program Number 5734-XM4

This manual contains the messages generated by the procedures and subroutines of the Mathematical Programming System Extended and its Mixed Integer Programming Feature (MIP). 208 pages

SH20-0960 MATWEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) READ COMMUNICATIONS FORMAT (READCOMM) PROGRAM DESCRIPTION MANUAL 65
Program Number 5734-XM4

This manual provides the system user with the information necessary to use the Read Communications Format (READCOMM) feature of MPSX. READCOMM is a subroutine that enables the user to augment MPSX with procedures written in the FORTRAN language.

This manual assumes that the user is familiar with the *Introduction to MPSX* (GH20-0849), the *MPSX Control Language User's Manual* (SH20-0932), the *MPSX Linear and Separable Programming Program Description Manual* (SH20-0968), and the FORTRAN programming language. 44 pages

GH20-0961 BILL PROCESSOR SYSTEMS – IMS/360 BRIDGE, APPLICATION DESCRIPTION MANUAL
Program Number 5734-XX9

This program product is designed to allow a user of a DOS or OS bill processor system to implement Information Management System/360 (IMS/360) Version 2 Data Base System with minimal changes to programs accessing bill processor system files. It provides the necessary logic to:

- Unload the bill processor system files into a format suitable for loading as IMS/360 data bases
- Load the unloaded bill processor system files as IMS/360 hierarchic direct data bases
- Interpret bill processor system calls and converts them to IMS/360 calls to perform the same logical function against the data bases

This manual contains a general description of the programs, the machine configuration, and the general system charts for the program product. It is intended for use in determining the applicability of the program product and in planning for its implementation. The audience includes customer executives, systems analysts, and programmers. Knowledge of the concepts and terminology discussed in the *Information Management System/360 Version 2 General Information Manual* (GH20-0765) is a prerequisite to an understanding of this manual. 28 pages

SH20-0968 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) LINEAR AND SEPARABLE PROGRAMMING PROGRAM DESCRIPTION MANUAL 65
Program Number 5734-XM4

This manual provides the system user with the information required to prepare input data and control cards and to interpret the system's output. It is a basic reference document for any MPSX user. All procedures are explained. 308 pages

SH20-0978 OS CAPACITY PLANNING– INFINITE LOADING OS CAPACITY PLANNING– FINITE LOADING OPERATIONS MANUAL 65
Program Numbers 5734-M53 and 5734-M54

Capacity Planning consists of programs designed to assist in the implementation of work center loading in manufacturing organizations.

This manual contains information regarding procedures for the preparation and operation of the programs, including sample job control cards for link editing and executing all programs. Also included is a complete list of the messages that can be produced by the programs.

An explanation of the sample problem and the operating procedures are also provided.

The audience for this manual includes operating personnel, systems analysts, and programmers. 52 pages

SH20-0979 FARE QUOTE/ISSUE TICKET USER'S GUIDE 65

This document describes the Agent Terminal inputs required to automatically price and print, on demand, standard airline tickets based on Passenger Name Record (PNR) information, and the resulting responses. 34 pages

SH20-0980 TARIFF MAINTENANCE USER'S GUIDE 65

This document describes the process required to create and maintain on-line records for the Fare Quote and Ticketing packages

- Input Preparation
- Error List Interpretation
- General Process Flow

78 pages

SH20-0982 TARIFF MAINTENANCE OPERATORS GUIDE 65

This document describes the procedures necessary to run a complete Tariff Maintenance consisting of four phases:

- Edit
- Maintenance
- Update
- List

26 pages

GH20-0983 ELECTRONIC CIRCUIT ANALYSIS PROGRAM II (ECAP II) FOR SYSTEM/360 AND 1130 COMPUTING SYSTEM, APPLICATION DESCRIPTION MANUAL 65
Program Numbers 5711-EE1 and 5734-EE1

These programs provide engineers and scientists with powerful tools for performing direct current (DC) and transient analysis of linear and nonlinear electrical networks, or analysis of any physical system that may be represented by a network model. The programs provide a simple, user-oriented input language for describing the network components and their interconnections.

A model library feature stores models of commonly used devices and/or circuits for recall in network problems. Through the use of improved analytic and programming techniques, much larger problems can be analyzed and in less time than has heretofore been possible.

This manual contains a general description of the application, the machine configuration requirements, an overall systems chart, and a sample problem which illustrates input and output and demonstrates the system's capabilities and techniques for problem solving. 32 pages

SH20-0985 PROCEDURE LIBRARY – MATHEMATICS (PL–MATH) PROGRAM DESCRIPTION MANUAL 65
Program Number 5734-XM3

The Procedure Library – Mathematics (PL–MATH) is a collection of mathematical procedures written in the PL/I language. It consists of input/output–free computational building blocks, written completely

in PL/I, which may be combined with a user's input, output, or computational routines as needed. The procedures in this library may be applied to the solution of many problems in industry, science, and engineering.

This manual contains sufficient information to permit the reader to understand and use the Procedure Library – Mathematics. 248 pages

SH20-0986 OS SHOP FLOOR CONTROL OPERATIONS MANUAL 65
Program Number 5734-M31

OS Shop Floor Control consists of programs designed to handle planned order release, open-order file maintenance, general information retrieval, and work list preparation. Each application consists of one or more programs. This program product is designed to assist in the implementation of a shop floor control application in manufacturing organizations.

This manual contains information regarding preparatory and operating procedures for the programs. It includes a complete list of the error messages that can be produced by the programs. The audience for this manual includes customer operating personnel, systems analysts, and programmers. The prerequisite for the use of this manual is a knowledge of the Operating System and the Chained File Management System of OS/360 Requirements Planning. 36 pages

SH20-0988 PROCEDURE LIBRARY – MATHEMATICS (PL–MATH) OPERATIONS MANUAL 65
Program Number 5734-XM3

This manual provides the user with preparatory and Operating procedures for the PL–MATH library. 24 pages

GH20-4005 OS/360 REQUIREMENTS PLANNING 65
Program Number 5734-M51

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 1 page

GH20-4034 COMPUTER SYSTEM SIMULATOR II (CSS II)
Program Number 5734-XS5

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4035 GENERAL PURPOSE SIMULATION SYSTEM V-OS (GPSS V-OS)
Program Number 5734-XS2

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4036 FINANCIAL TERMINAL SYSTEM (FTS) 65
Program Number 5736-F12

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4037 SYSTEM/360 TEXT PROCESSOR PAGINATION
Program Number 5736-K12

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4039 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-DOS)
Program Number 5736-XS2

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4041 VEHICLE SCHEDULING PROGRAM – EXTENDED (OS)
Program Number 5734-XM5

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4042 VEHICLE SCHEDULING PROGRAM EXTENDED (DOS)
Program Number 5736-XM3

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4043 CUSTOMER INFORMATION CONTROL SYSTEM OS–STANDARD (CICS/OS) AND LANGUAGE & TERMINAL FEATURE (L/T) FEATURE 6004, 6005, 6006 65

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. 4 pages

GH20-4044 SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM (ACIP)
Program Number 5736-F32

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4046 APL/360-DOS
Program Number 5736-XM6

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4047 APL/360-OS
Program Number 5734-XM6

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 1 page

GH20-4048 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) – FORECASTING (OS) 65
Program Number 5734-D33

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4049 SYSTEM/360 CONSUMER GOODS SYSTEM (COGS) - ALLOCATION (OS) 65
Program Number 5734-D32

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4101 ONLINE COBOL SYMBOLIC DEBUG FOR IBM CP-67 SYSTEMS 65
Program Number 5799-AAE
Reference PRPQ AA0476

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 6 pages

GH20-4102 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED 65
Program Number 5734-XM4

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 4 pages

GH20-4103 DISPLAY MANAGEMENT SYSTEM (DMS) 65
Program Number 5734-XC1

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 4 pages

GH20-4104 PROJECT MANAGEMENT SYSTEM IV 65
Program Number 5734-XP4

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4105 DIRECT ACCESS TERMINAL APPLICATION (DATA/360-OS) 65
Program Number 5734-XS3

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4106 INFORMATION MANAGEMENT SYSTEM/360 (IMS/360) VERSION 2 65
Program Number 5734-XX6

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 4 pages

GH20-4108 COMPUTER SYSTEM SIMULATOR II (CSS II) 65
Program Number: 5734-XS5

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4109 PROCEDURE LIBRARY – MATHEMATICS (PL–MATH)
Program Number 5734-XM3

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4110 OS/360 REQUIREMENTS PLANNING SPECIAL FEATURE 6015
Program Number 5734-M51

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product.

GH20-4111 OS CAPACITY PLANNING – INFINITE LOADING 65
Program Number 5734-M53

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4112 OS CAPACITY PLANNING – FINITE LOADING 65
Program Number 5734-M54

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4113 OS SHOP FLOOR CONTROL 65
Program Number 5734-M31

This Program Product Specifications (PPS) describes the warranted specifications of the subject Program Product. 2 pages

GH20-4163 COMPUTER SYSTEM SIMULATOR II (CSS II)
Program Number 5734-XS5

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. 2 pages

GH20-4169 IBM BASIC COURTS SYSTEM (BCS) 65
Program Number 5736-G26

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. 2 pages

GH20-4170 GENERALIZED INFORMATION SYSTEM VERSION 2 (GIS/2) 65
Program Number 5734-XX1

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. 4 pages

GH20-4172 BILL PROCESSOR SYSTEMS IMS/360 BRIDGE 65
Program Number 5734-XX9

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. 2 pages

GH20-4173 MINIPERT
Program Number 5734-XP3

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. 1 page

GH20-4174 PROJECT MANAGEMENT SYSTEM IV 65
Program Number 5735-XP4

This Program Product Design Objectives (PPDO) describes the design objectives and provides the estimated availability date of the subject Program Product. 2 pages

GL22-6945 IBM 2969 PROGRAMMABLE TERMINAL INTERCHANGE MODEL 1 RPQ 888117 INSTALLATION MANUAL – PHYSICAL PLANNING 15

This manual contains all the physical planning data necessary to install the IBM 2969 Programmable Terminal Interchange Model 1, RPQ 888117. The requirements are subject to modification by engineering developments. Note that in any multiple-equipment installation, specifications for the most critical unit must be met.

Data is given in the standard format and with the standard symbols found in IBM SYstem/360 Installation Manual – Physical Planning (GC22-6820), which is a required reference.

This publication is intended for use by customer and IBM installation planning personnel, as well as architects, and electrical and building contractors. 24 pages

GL24-3571 IBM 2946 TERMINAL CONTROL SUBSYSTEM INSTALLATION MANUAL – PHYSICAL PLANNING 15

This publication provides physical planning information for the IBM 2946 Terminal Control Unit Models 1 and 2 (RPQ 810480 and RPQ 810491) and associated input/output units used in an IBM Programmed Airlines Reservation System (PARS): IBM 4505 Model 22 Keyboard (RPQ 8G0019), IBM 4505 Model 23 Video Display (RPQ 8G0016), and IBM 1980 Model C24 Printer (RPQ 888126). Included are physical specifications and cable, electrical, and environmental requirements.

For related publications, see *IBM System/360 and System/370 Bibliography*, Order No. GA22-6822. 4 pages

GL27-3020 IBM 2972 MODELS 8 AND 11 GENERAL BANKING TERMINAL SYSTEM COMPONENT DESCRIPTION 09

This manual describes the features and operating principles of the 2972 Models 8 and 11 General Banking Terminal Systems. This system is designed to meet banking needs in the areas of customer service, teller efficiency, and transaction accounting.

Specific information is given concerning the units available and their functions. This manual is primarily intended for use by banking system analysts, programmers, systems engineers, and tellers. It is not necessary for the reader to have a knowledge of computer or communications technology.

The 2972-8 system consists of the 2972-8 Control Unit, the 2971-3 Remote Control Unit, the 2980-1 Teller Station, the 2980-2 Administrative Station, and the 2980-4 Teller Station. The 2972-11 system consists of the 2972-11 Control Unit and the 2980-1, -2, and -4 stations. Each unit is described and its functions are discussed in detail. Also included is information on manual indicators, keyboard configurations, passbook specifications, communication sequences, and available RPQ's. 80 pages

GX20-1817 SYSTEM/360 POWER II REFERENCE CARD

This reference card is intended to summarize the command codes and operator messages for IBM System/360 DOS POWER II. 4 pages

GX20-1827 SYSTEM/360/370 ASP REFERENCE CARD 85
Program Number: 360A-CX-15X

This card contains excerpts from GH20-0321 and reflects the status of ASP as of Version 2.4.1. 12 pages

GX21-9092 360/1130 RPG CONTROL CARD AND FILE DESCRIPTION SPECIFICATIONS 80

Padded form. (50 sheets per pad)

GX22-6981 IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 MODEL 195 80

Equipment templates on acetate sheets, 8-½ x 11 inch, 5 pages, ¼ inch equals 1 foot scale, for planning machine room layouts. Includes one composite 3195 model J and K, one composite 3195 model KJ and L, one 3060-1, one 3085, one 3086, three 3080s, two 2860s, two 2870s, and four 2880s. 5 pages

GX22-6984 IBM SYSTEM/370 MODEL 165 OPERATORS REFERENCE CARD 85

No abstract available. 2 pages

GX22-6984 SYSTEM/370 MODEL 165 OPERATORS REFERENCE CARD 85

This reference card highlights necessary operating procedures and abbreviated step by step instructions for operating the System/370 Model 165. The information is condensed from the IBM System/370 Model 165 Operating Procedure, GA22-6969.

GX22-6985 IBM PHYSICAL PLANNING TEMPLATE SYSTEM/360 AND SYSTEM/370 CHANNELS 2860, 2870, 2880 80

No abstract available. 2 pages

GX22-7005 IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 145 80

Equipment templates on acetate sheets, 8-½ x 11 inch, 1 page, ¼ inch equals 1 foot scale, for planning machine room layouts. Includes one 3145, one 3145 with 3345/3346, one 3145 with 3345/3346 and natively attached disk storage, one 3046-1, and one 3210-2. Positioning is also shown for 3210-1 and 3215. 1 page

GX22-7006 IBM PHYSICAL PLANNING TEMPLATE SYSTEM/370 MODEL 155 80

Equipment templates on acetate sheets, 2 pages, 8-½ x 11 inch, ¼ inch equals 1 foot scale, for planning machine room layouts. Includes one 3155 composite of Models H-J, one 3155 composite of Models JI and K, and one 3210-2. Positioning is also shown for 3210-1 and 3215. 2 pages

GX22-7007 IBM SYSTEM/370 MODEL 165 PHYSICAL PLANNING TEMPLATE 80

Equipment templates on 8-½ x 11 inch acetate sheets, 4 pages, for planning machine room layouts. Scale: ¼ inch equals 1 foot. Includes one composite 3165 Model I and J with 3360, one composite 3165 Model JI and K with 3360, one 3165 Model KJ, two 2860s, two 2870s, four 2880s, one 3066-1, and one 3067. 4 pages

LYA9-2007 IBM VEHICLE SCHEDULING PROGRAM–EXTENDED (OS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS MICROFICHE 65
Program Number 5734-XM5

The program listings for the IBM Vehicle Scheduling Program–Extended have been placed on microfiche. They have been cross-referenced to the flowcharts which are available in Volume II of the Program Logic Manual, Form LY19-2006. 29 cards

LYA9-2008 IBM VEHICLE SCHEDULING PROGRAM–EXTENDED (DOS) PROGRAM LOGIC MANUAL, VOLUME III PROGRAM LISTINGS – MICROFICHE 65
Program Number 5734-XM5

The program listings for the IBM Vehicle Scheduling Program – Extended have been placed on microfiche. They have been cross-referenced to the flowcharts which are available in Volume II of the Program Logic Manual, Form LY19-2006. 38 cards

LYB0-0470 APL/360-OS ASSEMBLER LISTINGS MICROFICHE REFERENCE CARDS 65
Program Number: 5734-XM1,
Feature Code: 8301

This manual contains the assembler listings for the subject program. 16 cards

LYB0-0471 APL/360–DOS ASSEMBLER LISTINGS 65
Program Number: 5736-XM1

This manual contains the assembler listings for the subject program. 65 cards

LYB0-0617 PROJECT MANAGEMENT SYSTEM IV (PMS IV) COST PROCESSOR ASSEMBLY LISTINGS 65
Program Number 5734-XP4
Feature Number 7409

This microfiche publication contains the Assembly Listings for the Cost Processor Program of PMS IV. 22 cards

LYB0-0618 PROJECT MANAGEMENT SYSTEM IV (PMS IV) NETWORK PROCESSOR ASSEMBLY LISTINGS 65
Program Number 5734-XP4
Feature Number 7406

This microfiche publication contains the Assembly Listings for the Network Processor Program of PMS IV. 18 cards

LY20-0619 PROJECT MANAGEMENT SYSTEM IV (PMS IV) RESOURCE ALLOCATION PROCESSOR ASSEMBLY LISTINGS 65
Program Number 5734-XP4
Feature Code 7412

This microfiche publication contains the Assembly Listings for the Resource Allocation Processor Program of PMS. 94 cards

LYB0-0620 PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR ASSEMBLY LISTINGS 65
Program Number 5734-XP4
Feature Code 7030

This microfiche publication contains the Assembly Listings for the Report Processor Program of PMS. 85 cards

LYB0-0625 APL/360-OS ASSEMBLY LISTINGS, 65
Feature Code 8092
FE Service Number 200156
Program Number 5734-XM6

This set of microfiche cards contains the Assembly Listings of the APL/360-OS Program. 21 cards per set

LYB0-0626 APL/360-DOS ASSEMBLY LISTINGS 65
Feature Code 8065
FE Service Number 200157
Program Number 5736-XM6

Licensed Program Product material. Order from IBM Distribution Center for internal IBM use only.

This set of microfiche cards contains the assembly listings of the APL/360 – DOS Program. 28 cards per set

LYB0-0631 INFORMATION MANAGEMENT SYSTEM/360 VERSION 2, VOLUME 3, DATA BASE LISTINGS, MICROFICHE 65
Program Number 5734-XX6
Feature Code 8082

This Microfiche publication contains the Data Base Assembly Listings of IMS/360. 42 cards

LYB0-0632 INFORMATION MANAGEMENT SYSTEM/360, VERSION 2, VOLUME 4, DATA COMMUNICATION LISTINGS, MICROFICHE 65
Program Number 5734-XX6
Feature Code 8083

This microfiche publication contains the Data Communication Assembly Listings of IMS/360. 45 cards

LYB0-0643 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) ASSEMBLY LISTINGS 65
Program Number 5734-XM4
Feature Number 8007
FE Service Number 200080

This microfiche publication contains the MPSX Assembly Listings. 88 cards

LYB0-0644 MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MIXED INTEGER PROGRAMMING (MIP) 65
Program Number 5734-XM4
Feature Number 8008
FE Service Number 200082
ASSEMBLY LISTINGS

This Microfiche Publication contains the MPSX (MIP) Assembly Listings. 9 cards

LYB1-0450 DOS/360 RPG II PROGRAM LISTING – MICROFICHE 28

This listing contains the coding of the DOS/360 RPG II compiler. Each phase of the compiler is on separate cards. The name of the phase is listed on the heading of the card. 103 cards

LYC7-0902 IBM SYSTEM/360 OS ASSEMBLER H VERSION 2 MOD LEVEL 00 LISTINGS 21
Program Number 5734-AS1
Feature Number 8023

No abstract available. 46 cards

LYC7-5013 DOS ITF RELEASE II – PL/I ASSEMBLY LISTINGS – MICROFICHE

This microfiche contains the assembly listings of the modules that make up the DOS ITF Release II, PL/I, program product. 41 cards

LYC7-5014 DOS ITF RELEASE II – SHARED ASSEMBLY LISTINGS – MICROFICHE

This microfiche contains the assembly listings of the modules that make up the DOS ITF Release II, SHARED, program product. 108 cards

LYC7-5015 DOS ITF RELEASE II – BASIC ASSEMBLY LISTINGS – MICROFICHE

This microfiche contains the assembly listings of the modules that make up the DOS ITF Release II, BASIC, program product. 69 cards

LYC7-5016 OS/ITF RELEASE 2 (PL/I) 65

Microfiche of program product 5734-RC1 assembly listings. 38 cards

LYC7-5017 OS/ITF RELEASE 2 (SHARED) 65

Assembly listings on microfiche of Program Products 5734-RC1 and 5734-RC3, OS ITF Release 2. 114 cards

LYC7-5018 OS/ITF RELEASE 2 (BASIC)

Assembly listings on microfiche of Program Products 5734-RC1 and 5734-RC3, OS ITF Release 2. 69 cards

LYC7-1700 DOS/360 ASCII MAGNETIC TAPE UTILITIES PROGRAM LISTINGS PROGRAM PRODUCT MICROFICHE 32
Program Number 5736-UT2

This microfiche contains the source listings of the modules that make up the DOS/360 ASCII Magnetic Tape Utilities. 21 cards

LY19-2001 IBM VEHICLE SCHEDULING PROGRAM – EXTENDED (OS AND DOS) PROGRAM LOGIC MANUAL, VOLUME I, NARRATIVE 65
Program Numbers: 5734-XM5 (OS) 5736-XM3 (DOS)

The Program Logic Manual of the IBM Vehicle Scheduling Program – Extended provides detailed information to assist the user in obtaining a more thorough knowledge of the program logic. The manual consists of three parts:

Vol. I Narrative, contained in the present manual, Form LY19-2001-0,
Vol. II Program Flowcharts, Form LY19-2006-0,
Vol. III Program Listings, available on microfiche, Form LYA9-2007-0 (OS) and LYA9-2008-0 (DOS).

152 pages

LY19-2006 IBM VEHICLE SCHEDULING PROGRAM – EXTENDED (OS AND DOS) PROGRAM LOGIC MANUAL, VOLUME II, FLOWCHARTS 65
Program Numbers: 5734-XM5 (OS), 5736-XM3 (DOS)

The flowcharts in this manual correspond to the program listings in Form LYA9-2007-0 (OS) and LYA9-2008-0 (DOS), and are referenced in those manuals. 108 pages

LY20-0543 OS/360 REQUIREMENTS PLANNING SYSTEM MANUAL 65
Program Number 5734-M51
Feature Number 8010

The OS/360 Requirements Planning programs are used to generate material requirements for finished products, assemblies, subassemblies, parts, and raw materials based upon an input of a forecast and/or orders. OS/360 Requirements Planning consists of three components: requirements generation program, print exception program, and chained file management system. The requirements generation program performs the generation of requirements, utilizing time series planning to determine net requirements, plan orders, determine offset, and post component gross requirements. The print exception program prints the notices for the exceptions discovered during the requirements generation run. The chained file management system creates and maintains a centralized manufacturing information system.

This manual includes program flowcharts and flowchart narratives, in addition to information regarding switches, labels, symbols, and register assignment. The manual is intended to aid systems analysts and programmers install and maintain OS/360 Requirements Planning. 20 pages

GY20-0599 THE REAL–TIME MONITOR (RTM) SYSTEM MANUAL 60
Program Number 360A-SV-001

The Real–time Monitor (RTM) is co-resident with OS. It provides fast interrupt response for real–time, event-driven systems. Normal OS jobs continue to run in background mode while the Monitor services real–time interrupts and schedules real–time jobs in priority mode. In addition, multiprogramming capability and OS facilities are provided for the real-time jobs. This manual presents the general logic specifications of RTM, which enable the user to run real-time and batch jobs concurrently. It is assumed that the reader is familiar with standard OS terminology. 64 pages

LY20-0601 DATA/360 – DOS SYSTEM MANUAL 65
Program Number 5736-XS2

This manual contains detailed descriptions and procedures for system generation. This publication also contains abstract descriptions and functional flowcharts for all key modules. To further assist the system programmer, console operator, and terminal operator, a set of sample problems and running instructions with sample outputs are included. 216 pages

LY20-0602 GENERAL PURPOSE SIMULATION SYSTEM V–DOS SYSTEM MANUAL 65
Program Number 5736-XS3
Feature Number 8101

This publication contains a description of the internal structure and the basic operation of the GPSS program. All the modules which make up the GPSS program are discussed in general and, where appropriate, the operation of all routines within a given module is explained in detail.

The information contained in this manual should give the user a thorough understanding of the structure and operation of the GPSS program so that modifications may be more easily designed and implemented. 278 pages

LY20-0606 SYSTEM/360 FINANCIAL TERMINAL SYSTEM SYSTEM MANUAL, VOLUME I: FLOWCHART NARRATIVES 65
Program Number 5736-F12
Feature Code 8026

This manual describes the internal logic and flow of the Financial Terminal System (FTS). This system, operating as the controller of a DOS teleprocessing and multitasking partition, provides control of network operations and an efficient environment in which up to eight user-written application programs may concurrently process terminal transactions.

The contents of this manual include data specifications, internal macro usage, and detailed descriptions of all FTS modules. The purpose of the manual is to provide the user with a level of understanding sufficient to enable him to maintain the system, diagnose errors, or modify its design.

Volume II of the System Manual (LY20-0607) contains flowcharts of all FTS logic modules. 512 pages

LY20-0607 SYSTEM/360 FINANCIAL TERMINAL SYSTEM SYSTEM MANUAL VOLUME II: FLOWCHARTS 65
Program Number 5736-F12
Feature Number 8026

This manual contains flowcharts of all FTS logic modules and supplements Volume I of the System Manual. 272 pages

LY20-0608 FORTRAN CONVERSION AID PROGRAM, PRPQ FA 1287: SYSTEM MANUAL 65
Program Number 5799-AAJ
Feature Number 8001

The FORTRAN Conversion Aid Programming RPQ assists in converting programs written in certain non-System/360 FORTRAN dialects to System/360 executable code. Conversion is accomplished through translation, hand modification, compilation, and object-time library simulation. This programming RPQ is available on special quotation only (see inside front cover).

This document provides the internal specifications for the FORTRAN Conversion Aid. It is intended to supplement detailed comments in the source code. Experience with FORTRAN systems and a knowledge of the FORTRAN Conversion Aid Program Description and Operations Manual are prerequisites. 200 pages

LY20-0609 PROJECT MANAGEMENT SYSTEM IV (PMS IV) COST PROCESSOR SYSTEM MANUAL 65
Program Number 5734-XP4
Feature Number 8074

This manual presents a detailed description of subroutines and internal data formats of PMS IV Cost Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented. 72 pages

LY20-0610 PROJECT MANAGEMENT SYSTEM IV (PMS IV) NETWORK PROCESSOR SYSTEM MANUAL 65
Program Number 5734-XP4
Feature Number 8071

This manual presents a detailed description of subroutines and internal data formats of PMS IV Network Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented. 156 pages

LY20-0611 PROJECT MANAGEMENT SYSTEM IV (PMS IV) RESOURCE ALLOCATION PROCESSOR SYSTEM MANUAL 65
Program Number 5734-XP4
Feature Number 8077

This manual presents a detailed description of subroutines and internal data formats of PMS IV RPMS IV Resource Allocation Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented. 92 pages

LY20-0612 PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR SYSTEM MANUAL 65
Program Number 5734-XP4
Feature Number 8068

This manual presents a detailed description of subroutines and internal data formats of PMS IV Report Processor. In conjunction with the program listings and flowcharts, it provides the user with a complete description of how this processor is implemented. 168 pages

LY20-0613 PROJECT MANAGEMENT SYSTEM IV (PMS IV) COST PROCESSOR FLOWCHART MANUAL 65
Program Number 5734-XP4
Feature Number 8075

This manual contains the flowcarts for the Cost Processor of Project Management System IV. It should be used in conjunction with the System Manual for the Cost Processor. 88 pages

LY20-0614 PROJECT MANAGEMENT SYSTEM IV (PMS IV) NETWORK PROCESSOR FLOWCHART MANUAL 65
Program Number 5734-XP4
Feature Number 8072

This manual contains the flowcharts for the Network Processor of Project Management System IV. It should be used in conjunction with the System Manual for the Network Processor. 120 pages

LY20-0615 PROJECT MANAGEMENT SYSTEM IV (PMS IV) RESOURCE ALLOCATION PROCESSOR FLOWCHART MANUAL 65
Program Number 5734-XP4
Feature Number 8078

This manual contains the flowcharts for the Network Processor of Project Management System IV. System IV. It should be used in conjunction with the System Manual for the Resource Allocation Processor. 136 pages

LY20-0616 PROJECT MANAGEMENT SYSTEM IV (PMS IV) REPORT PROCESSOR FLOWCHART MANUAL 65
Program Number 5734-XP4
Feature Number 8069

This manual contains the flowcharts for the Report Processor of Management System IV. It should be used in conjunction with the System Manual for the Report Processor. 120 pages

LY20-0621 CONSUMER GOODS SYSTEM (COGS), FORECASTING (OS), SYSTEM MANUAL, 65
Program Number 5734-D33

This manual contains source code listings and flowcharts to aid the user in program product implementation and modification. 132 pages

LY20-0622 CONSUMER GOODS SYSTEM (COGS) ALLOCATION (OS) SYSTEM MANUAL 65
Program Number 5734-D32

This manual contains source code listings and flowcharts to aid the user in program product implementation and modification. 100 pages

LY20-0623 SYSTEM/360 TEXT PROCESSOR PAGINATION/360 SYSTEM MANUAL VOLUME 1 – FLOWCHART NARRATIVES 65
Program Number 5736-K12
Feature Number 8010

System/360 Text Processor-PAGINATION/360 consists of routines that accept input from a user-prepared disk resident file. Input consists of textual material, text formatting commands, page formatting commands, and output requests. After receiving a request for page make-up, the program processes the text into justified lines and composed pages according to the graphic, stylistic and format requirements specified by the user with the commands. This text is then written as generalized disk records which the user must retrieve and write on an appropriate system's output device. PAGINATION/360

also provides for the storage and subsequent modification of textual data as well as several different forms of justified and page output.

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in PAGINATION/360. The manual is intended primarily for the use of systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using the System Manual.

This volume of the System Manual contains narratives and switch and register lists. Volume 2 contains the program logic flowcharts. 370 pages

LY20-0624 **SYSTEM/360 TEXT PROCESSOR PAGINATION/360 SYSTEM MANUAL VOLUME 2 – FLOWCHARTS** — 65
Program Number 5736-K12
Feature Number 8011

System/360 Text Processor-PAGINATION/360 consists of routines that accept input from a user-prepared disk resident file. Input consists of textual material, text formatting commands, page formatting commands, and output requests. After receiving a request for page makeup, the program processes the text into justified lines and composed pages according to the graphic, stylistic and format requirements specified by the user with the commands. This text is then written as generalized disk records which the user must retrieve and write on an appropriate system's output device. PAGINATION/360 also provides for the storage and subsequent modification of textual data as well as several different forms of justified and page output.

The two-volume System Manual provides detailed information to assist the user in acquiring a thorough knowledge of the programming logic and techniques used in PAGINATION/360. The manual is intended primarily for the use of systems analysts and programmers who may need to alter or maintain the program. The Program Description Manual and Operations Manual are prerequisites to reading and using the System Manual.

This volume of the System Manual contains the program logic flowcharts. Volume 1 contains narratives and switch and register lists. 82 pages

LY20-0628 **SYSTEM/360 ACTIVE CERTIFICATE INFORMATION PROGRAM SYSTEM MANUAL**
Program Number 5736-F32

This publication provides the systems programmer with detailed information about the ACIP system. It contains flowcharts and descriptions of each ACIP routine. In addition there is a section on system modification considerations.

LY20-0629 **INFORMATION MANAGEMENT SYSTEM/360 VERSION 2 SYSTEM MANUAL – VOLUME 1** — 65
Program Number 5734-XX6
Feature Number 8080

Information Management System/360 is a processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently. The system permits the evolutionary expansion of data processing applications from a batch-only to a teleprocessing environment.

This manual includes a description of each module of the IMS/360 program. It also contains information on macros used, interfaces and module sizes, error codes and handling, and ABENDs. Flowcharts are contained in Volume II. Volume III contains listings of the data base (batch) portion of the IMS/360 program, furnished as microfiche. Volume IV contains listings of the data communications portion of the program, also furnished as microfiche. 728 pages

LY20-0630 **INFORMATION MANAGEMENT SYSTEM/360, VERSION 2 SYSTEM MANUAL VOLUME II – FLOWCHARTS** — 65
Program Number 5734-XX6
Feature Number 8081

Information Management System/360 is a processing program designed to facilitate the implementation of medium to large common data bases in a multiapplication environment. This environment is created to accommodate both online message processing and conventional batch processing, either separately or concurrently.

This manual includes a flowchart of each module in the IMS/360 program.Module descriptions are contained in Volume I. Volume III contains listings of the data base (batch) portion of the IMS/360 program, furnished as microfiche. Volume IV contains listing of the data communications portion of the program, also furnished as microfiche. 324 pages

LY20-0634 **DISPLAY MANAGEMENT SYSTEM SYSTEM MANUAL** — 65
Program Number 5734-XC1
Feature Code 8005

This manual contains detailed program flowcharts, flowchart narratives, control area and control table formats, register considerations, special programming techniques, and information concerning program modification for the IBM Display Management System (DMS).

DMS is a series of application modules, operating under a supervisor, that greatly simplify for the user the complexities of implementing interactive data processing operations which feature the 2260/65 Display Station. By using three forms provided by DMS, the user implements his own applications on a customized basis by describing his data files, designing 2260/65 Display Station images (panels) in the language of his own application, and describing the utility functions required. The purpose of this manual is to give the user a thorough understanding of the logic employed in each module. 116 pages

LY20-0635 **CONTROL PROGRAM – 67 ONLINE COBOL SYMBOLIC DEBUG SYSTEM MANUAL** — 65
Program Number 5799-AAE
Feature Number 8006

This publication describes the system design and actual coding of the Symbolic Debug system. It is intended primarily for the system's programmers. This programming RPQ is available on special quotation only (see inside front cover). 54 pages

LY20-0638 **DATA/360–OS SYSTEM MANUAL**
Program Number 5734-XS3
Feature Number 8087

This manual contains detailed descriptions of the DATA/360-OS files, modules, and macros. It is intended for systems programmers or equivalent who wish to become familiar with the internal workings of DATA/360-OS. Topics pertaining to generating and operating DATA/360-OS are found in the DATA/360-OS Console Operator's Guide (SH20-0926). Topics pertaining to terminal operations and training are located in the DATA/360-OS Terminal Operator's Guide (SH20-0925).

LY20-0640 **MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MIXED INTEGER PROGRAMMING (MIP) SYSTEM MANUAL** — 65
Program Number 5734-XM4
Feature Number 8056

MIP is an extension of the linear programming module of the Mathematical Programming System Extended (MPSX). It allows the processing of mixed integer linear programming problems, that is, linear programming problems in which some of the variables must take integer values. This manual describes the "branch and bound" method used and the MIP routines. 84 pages

LY20-0641 **MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) MIXED INTEGER PROGRAMMING (MIP) FLOWCHART MANUAL** — 65
Program Number 5734-XM4
Feature Number 8057

This manual contains the flowcharts for the Mixed Integer Programming (MIP) feature of MPSX. It should be used in conjunction with the MIP System Manual (LY20-0640-0) and the source or assembly listings. 36 pages

LY20-0642 **MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) FLOWCHART MANUAL** — 65
Program Number 5734-XM4
Feature Code 8055

This manual contains the flowcharts for the Mathematical Programming System Extended (MPSX). It should be used in conjunction with the MPSX System Manual (-xxxx) and the source or assembly listings. 296 pages

LY20-0646 **MATHEMATICAL PROGRAMMING SYSTEM EXTENDED (MPSX) SYSTEM MANUAL**
Program Number: 5734-XM4
Feature Number: 8056

This manual provides detailed information to help the user understand the implementation of MPSX. It is designed to be used with the program listings and flowcharts of MPSX.

LY20-0671 **PROCEDURE LIBRARY – MATHEMATICS (PL–MATH) SYSTEM MANUAL** — 65
Program Number 5734-XM3
Feature Number 8051

This manual contains the source code listings for the procedures and sample programs of the PL–MATH Library. 224 pages

LY21-0014 **IBM SYSTEM/360 DISK OPERATING SYSTEM RPG II LANGUAGE PROGRAM LOGIC MANUAL** — 28
Program Number 5736-RG1

This publication describes the internal logic of the RPG II compiler, object program, and formatted dump program. It is intended as a recall mechanism and a debugging aid. As a debugging aid, this manual serves best as a guide to sequences of instructions found in the coding of the program.

This manual is divided into three parts describing the internal logic of the RPG II program. The first part describes the RPG II compiler; the second part describes the object program, and the third part describes the RPG II Formatted Dump Program. Each part includes the following areas:

- Introduction
- Method of Operation
- Program Organization
- Directory
- Data Areas

The information necessary to implement the program is not included in this publication. 240 pages

GY24-5154 **DOS OLTEP LOGIC** — 37
Program Number: 360N-DN-481

This reference publication describes the internal logic of the IBM System/360 Disk Operating System, On-Line Test Executive Program (OLTEP). It is for persons involved in program maintenance and programmers who are altering the program design.

For titles and abstracts of associated publications, see the *IBM System/360 and System/370 Bibliography*, GA22-6822. 172 pages

GY27-7225 **PROGRAM TO EMULATE THE IBM 1401, 1440 AND 1460 ON THE IBM SYSTEM/370 MODEL 155 USING OS/360** — 35

This publication describes the internal logic of the IBM System/370 1401, 1440 and 1460 Emulator Program for the IBM System/370 Model 155, using OS/360. The Emulator Program is a problem program that executes under the System/360 Operating System MFT or MVT control programs. The Emulator Program, together with the compatibility feature (#3950), allows programs written for the 1401, 1440 and 1460 Data Processing systems to be executed on a System/370 Model 155. The major topics covered are:

- Logic of the Emulator Program.
- Relationship between the Emulator Program, the compatibility feature, and the operating system.
- Logic of the tape and disk formatting programs. The tape formatting programs convert 1400 tapes to a record format used by the Emulator and convert Emulator-produced tapes back to a 1400 format. The disk formatting program assists in converting 1400 disk files to a record format used by the Emulator.
- Functions of the compatibility feature.

This program logic manual is directed to the IBM customer engineer who is responsible for program maintenance. 260 pages

GY27-7226 **PROGRAM TO EMULATE THE IBM 1410 AND 7010 ON IBM SYSTEM/370 MODEL 155 USING OS/360**
Program Number 360C-EU-736 — 35

This publication describes the internal logic of the IBM System/270 1410 and 7010 Emulator Program for the IBM System/370 Model 155, using OS/360. The emulator program is a problem program that executes under the System/360 Operating System MFT or MVT control programs. The emulator program, together with the compatibility feature (#3950), executes 1410 and 7010 programs on a System/370 Model 155.

Major topics in this publication are the logic of the emulator program, the functions of the compatibility feature, and the logic of tape and disk formatting programs used in conjunction with the emulator.

This manual is directed to the IBM customer engineer responsible for program maintenance. 280 pages

LY28-6408 **IBM SYSTEM/360 OS FORTRAN IV LIBRARY (MOD I) PROGRAM LOGIC MANUAL** — 25
Program Number: 5734-LM1

This document describes the internal design of the IBM System/360 Operating System FORTRAN IV library (Mod I), a program product.

The modules of the Mod I library are designed to be combined as needed with the object code produced by the Code and Go FORTRAN or FORTRAN IV (G1) compilers to form executable load modules.

This document is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the Mod I library.

Distribution of this document is limited to licensees of the IBM program product it describes. 154 pages

LY28-6409 **IBM SYSTEM/360 OS FORTRAN IV LIBRARY (MOD II) PROGRAM LOGIC MANUAL** — 25
Program Number: 5734-LM3

This document describes the internal design of the IBM System/360 Operating System FORTRAN IV library (Mod II), a program product.

The modules of the Mod II library are designed to be combined as needed with the object code produced by the FORTRAN IV (H Extended) compiler to form executable load modules.

This document is intended for persons involved in program maintenance; program logic information is not necessary for the use and operation of the Mod II library.

Distribution of this document is limited to licensees of the IBM program product it describes. 176 pages

LY28-6410 **IBM SYSTEM/360 OS TSO FORTRAN PROMPTER PROGRAM LOGIC** — 25
Program Number: 5734-CP3

This publication describes the internal organization and operation of the IBM System/360 Operating System Time Sharing Option FORTRAN Prompter, a TSO Command Processor designed to facilitate the use of the FORTRAN IV (G1) compiler. The Prompter provides the terminal user with a conversational means of allocating required data sets, building a compiler option list, and invoking the compiler.

The reader is assumed to be familiar with the Operating System, the concepts of TSO, and the options and data set requirements of the FORTRAN IV (G1) compiler.

Program Logic Manuals are intended for use by IBM customer engineers involved in program maintenance, and by systems programmers involved in altering the program design. Program logic information is not necessary for program operation and use; therefore, distribution of this manual is limited to persons with program maintenance or modification responsibilities. 60 pages

LY28-6412 IBM SYSTEM/360 DOS FULL AMERICAN NATIONAL STANDARD COBOL COMPILER VERSION III PLM 24

No abstract available. 532 pages

LY28-6413 IBM SYSTEM/360 DISK OPERATING SYSTEM FULL AMERICAN NATIONAL STANDARD COBOL SUBROUTINE LIBRARY, VERSION 3, PROGRAM LOGIC MANUAL
Program Number: 5736-LM2 24

This publication describes the object-time subroutine library used by the IBM System/360 Disk Operating System Full American National Standard COBOL Compiler, Version 3. It is intended for use by persons involved in library maintenance and by system programmers involved in altering the library for installations requiring such alteration. This publication supplements the subroutine listings and their comments, but it is not a substitute for them.

Effective use of this manual requires an understanding of IBM System/360 operation and of the IBM System/360 Disk Operating System service programs and macro instructions as well as the IBM System/360 Disk Operating System Full American National Standard COBOL Compiler, Version 3. Knowledge of both American National Standard COBOL and the IBM System/360 Assembler Language is a prerequisite. Reference publications for this information are listed in the Preface of this manual. 168 pages

GY28-6745 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION CATALOG MANAGEMENT, PROGRAM LOGIC MANUAL
Program Number: 360S-DM-508 36

This publication provides customer engineers and other technical personnel with information describing the internal organization and logic of the catalog management routines that are used when the Time Sharing Option has been selected at system generation time. These routines provide the facility of locating data sets when only data set names are specified.

This manual is based on the IBM SYSTEM/360 OPERATING SYSTEM CATALOG MANAGEMENT PROGRAM LOGIC MANUAL, GY28-6606. It should be used in place of the above manual only if the Time Sharing Option has been specified at system generation time. 68 pages

LY28-6761 IBM SYSTEM/360 OPERATING SYSTEM: DATA SET UTILITIES SUPPORT FOR ASCII – LOGIC MANUAL
Program Product 5734-UT2 32

This publication describes the internal logic of the System/360 Operating System data set utilities that support the American National Standard Code for Information Interchange (ASCII). This support is a program product that permits users to create and maintain both ASCII and EBCDIC data sets even through all System/360 internal operations are in EBCDIC mode.

This publication is intended for persons involved in program maintenance, and for system programmers who are altering the program design. The information in this manual is not necessary for the use and operation of the utility programs. 256 pages

LY28-6766 IBM SYSTEM/360 OPERATING SYSTEM: TSO DATA UTILITIES: COPY, FORMAT, LIST, MERGE LOGIC MANUAL
Program Product: 5734-UT1 32

This publication describes the internal logic of the COPY, FORMAT, LIST, and MERGE command processors. These command processors manipulate data and text in response to the COPY, FORMAT, LIST, and MERGE commands.

The COPY command processor duplicates sequential or partitioned data sets and adds members to a partitioned data set. The FORMAT command processor arranges output data into various organizations specified by a user. The LIST command processor prints selected data from one or more data sets and members of partitioned data sets. The MERGE command processor combines two data sets by inserting all or part of one data set into a specific area within another data set.

The description of each command processor consists of:
- *Introduction*—program function and characteristics.
- *Method of Operation*—graphic presentation of logic.
- *Program Organization*—module hierarchy and flowcharts.
- *Directory*—names, labels, descriptions, and references.
- *Data Areas*—control blocks, tables, and work areas.
- *Diagnostic Aids*—register use and messages.

Prerequisite information is contained in *IBM System/360 Operating System: TSO Data Utilities: COPY, FORMAT, LIST, MERGE User's guide and Reference*, SC28-6765.

This manual is intended for persons involved in program maintenance and for system programmers who are altering the program design. Program logic information is not necessary for the use and operation of the program. 394 pages

GY28-6770 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION TERMINAL MONITOR PROGRAM AND SERVICE ROUTINES PROGRAM LOGIC MANUAL
Program Number: 360S-CI-555 36

This publication describes the internal logic of the TSO Terminal Monitor Program (TMP) and the TSO service routines: STACK, GETLINE, PUTLINE, PUTGET, Command Scan, Parse, Dynamic Allocation Interface Routine (DAIR), and the Default and Catalog Information routines.

The TMP accepts commands from the terminal and gives control to the TSO command processors named by the commands. The TSO service routines perform common functions needed by both the TMP and the command processors. PUTLINE, GETLINE, PUTGET, and STACK handle terminal I/O requests. Command Scan and Parse check the syntax of commands and their operands. DAIR uses dynamic allocation to allocate and free data sets. Default constructs data set names according to TSO naming conventions. The Catalog Information routine obtains information from the system catalog.

This publication is written for persons who maintain or modify TSO and is not required by persons who use TSO to process programs or who write programs that are processed by TSO. Prerequisite information is contained in:

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION GUIDE (GC28-6698)

The reader should also be familiar with:

IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION: TSC COMMAND PROGRAM, PROGRAM LOGIC MANUAL (GY27-7199).

438 pages

GY28-6771 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 1, ACCOUNT
Program Number: 360S-CI-555 36

This publication describes the internal logic of the programs that handle the ACCOUNT command and its ADD, CHANGE, DELETE, and LIST subcommands. It also describes the internal logic of the ACCOUNT SUBROUTINES AND THE ACCOUNT BROADCAST interface.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the program described. 550 pages

GY28-6772 IBM SYSTEM/360 OS: TIME SHARING OPTION COMMAND PROCESSOR PLM, VOLUME II, ALLOCATE, CALL, CANCEL/STATUS, DELETE 36

This publication is designed to supplement the program listings and make the information in the listing easier to access.

New techniques are used to help you understand the program and to enable you to refer quickly to flowcharts or listings for details on the implementation. The publication relies on method of operation diagrams that show how the command processor routines operate and that provide functional "maps" (via cross-reference through the listings and flowcharts).

This command processor volume contains an introduction to the volume, followed by the documentation of the command processors. Each command processor is treated as a separate PLM. The General Information section contains information that is common to all of the enclosed PLMs. The PLMs are:

- ALLOCATE Command Processor
- CALL Command Processor
- CANCEL/STATUS Command Processor
- DELETE Command Processor

Each of these PLMs is organized in six sections:

SECTION 1. INTRODUCTION: Relates the PLM to the users of its services, provides the operational considerations and physical characteristics of the Command Processor, and describes the environment in which the Command Processor routines operate.

SECTION 2. METHOD OF OPERATION: Describes the functions performed by the command processor. One of the new techniques used in this publication is the focal point of this section – the method of operation diagram. These diagrams have been designed to present the internal logic of a command processor, without relying on long stretches of text. The diagrams provide four kinds of information:

- Basic function (provided in the picture area).
- Modular interfaces (shown in Input to and Output from the module that is processing).
- Implementation supporting the function (provided as accompanying description).

292 pages

GY28-6773 IBM SYSTEM/360 OS: TIME SHARING OPTION COMMAND PROCESSOR PLM, VOLUME III, EDIT

This publication provides IBM customer engineers and other technical personnel with a description of the internal logic and organization of the Time Sharing Option EDIT Command Processor.

The publication *IBM System/360 Operating System: Time Sharing Option, Terminal Monitor Program and Service Routines* Program Logic Manual (GY28-6770) contains prerequisite information. Co-requisite publications are:

IBM System/360 Operating system: Time Sharing Option:
Command Language Reference (GC28-6732)
Command Processor Program Logic Manual Volume 4 (GY28-6774)
Command Processor Program Logic Manual Volume 6 (GY28-6776)
TSO Data Utilities Copy, Format, List, Merge User's Guide and Reference Manual (SC28-6765) (Program Product publication)
TSO Data Utilities Copy, Format, List, Merge Program Logic Manual (LY28-6766) (licensed Program Product publication)

This manual comprises the following seven sections:

Section 1: Introduction – a discussion of the purpose and function of the EDIT Command Processor.

Section 2: Method of Operation – a functionally oriented description of the way in which the EDIT Command Processor handles the EDIT command and subcommands and error conditions. Method of operation diagrams are on foldout pages at the back of the manual.

Section 3: Program Organization – a description of specific program components (modules and Csects) and flowcharts.

Section 4: Directory – tabular aids for the reader to find sections of code in the microfiche and lists of assembly modules and control sections.

Section 5: Data Areas – detailed descriptions of the various tables, work areas, and parameter lists used by the EDIT Command Processor.

Section 6: Diagnostic Aids – a list of register contents at entry to modules and cross-reference material.

Section 7: Appendix – a list of the messages provided by the EDIT Command Processor and format of the EDIT command and subcommands.

Glossary: A compilation of terms unique to TSO and to the EDIT Command Processor.

More detailed information about the EDIT Command Processor may be found in the associated microfiche listing. 554 pages

GY28-6774 IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL, VOLUME 4, EXEC, FREE, HELP, LINK, LISTALC, LISTBC
Program Numbers: 360S-CI-555, 360S-UT-506 36

This publication describes the internal logic of the programs that handle the EXEC, FREE, HELP, LINK, LISTALC, and LISTBC commands.

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the program described. 404 pages

GY28-6775 IBM SYSTEM/360 OS: TIME SHARING OPTION COMMAND PROCESSOR PLM VOLUME V, LISTCAT, LISTDS, LOADGO, OPERATOR, OUTPUT 36

This publication is designed to supplement the program listings and make the information in the listing easier to access.

New techniques are used to help you understand the program and to enable you to refer quickly to flow charts or listings for details on the implementation. The publication relies on method of operation diagrams that show how the command processor routines operate and that provide functional "maps" (via cross-reference through the listings and flowcharts).

This command processor volume contains an introduction to the volume, followed by the documentation of the command processors. Each command processor is treated as a separate PLM. The General Information section contains information common to all the enclosed PLMs. The PLMs are:

- LISTCAT Command Processor
- LISTDS Command Processor
- LOADGO Command Processor
- OPERATOR Command Processor
- OUTPUT Command Processor

Each of these PLMs is organized in six sections:

SECTION 1. INTRODUCTION: Relates the PLM to the users of its services, provides the operational considerations and physical characteristics of the Command Processor, and describes the environment in which the Command Processor routines operate.

SECTION 2. METHOD OF OPERATION: Describes the functions performed by the command processor. One of the new techniques used in this publication is the focal point of this section – the method of operation diagram. These diagrams have been designed to present the internal logic of a command processor, without relying on long stretches of text. The diagrams provide four kinds of information:

- Basic function (provided in the picture area).
- Modular interfaces (shown in Input to and Output from the module that is processing).
- Implementation supporting the function (provided as accompanying description).
- Pointers into the listings of flow charts (cross references provided with the text description to lead you to the applicable routine writeup, flow chart, or label in the listings).

466 pages

GY28-6776 **IBM SYSTEM/360 OPERATING SYSTEM: TIME SHARING OPTION COMMAND PROCESSOR PROGRAM LOGIC MANUAL** **36**

Volume 6	Program Number:
PROFILE	360S-CI-555
PROTECT	360S-UT-506
RENAME	360S-UT-506
RUN	360S-CI-555
SEND	360S-CI-555
SUBMIT	360S-CI-555
TERMINAL	360S-CI-555
TIME	360S-CI-555
WHEN/END	360S-CI-555

This publication describes the internal logic of the programs that handle the PROFILE, PROTECT, RENAME, RUN, SEND, SUBMIT, TERMINAL, TIME, and WHEN/END commands

The command processors are described with method of operation diagrams, flowcharts, and supporting text. Major data areas are shown, and directories for routines and principal data areas are provided.

This manual is intended for persons involved in program maintenance, or systems programmers who are altering the program design; it is not intended for normal use or operation of the programs described.

Information in this publication for TSO is for planning purposes until that item is available.

GY28-6777 **IBM SYSTEM/360 OS: TIME SHARING OPTION COMMAND PROCESSOR PLM, VOLUME VII TEST** **36**

This PLM is divided into 7 sections, each containing a particular type of information, as follows:

- Section 1: Introduction: This section describes the Test program in general, its relationships to other parts of the TSO control program, and tells the reader where he may find descriptions of different parts of the program. It includes an overview of Test logic.
- Section 2: Method of Operation: This is the "how it works" section. It describes each functional area of the program in words, and keys the descriptions to foldout diagrams in the back of the book. The emphasis here is on functions: what is done, why it is done, what tables and control blocks are used, and what interrelationships exist. System interfaces are indicated.
- Section 3: Program Organization: This section contains two types of information: module descriptions and flowcharst. The module descriptions are arranged alphabetically by module entry-point name. They contain reference information, such as register usage, system routines called, return codes, etc. The flowcharts also appear in alphabetic order by module entry-point name. In general, they contain more mechanical detail than the method-of-operation descriptions, but less detail than the module assembly listings.
- Section 4: Directories: This section contains alphamerically organized lists of important internal symbols, entry-point names, and module names. Each name is defined and cross-referenced to the object module that contains the named item.
- Section 5: Data Areas: This section contains a brief description and the format of each major table and control block used by the Test program.
- Section 6: Diagnostic Aids: This section contains detailed information on how Test Mainline handles STAE-intercepted abnormal terminations that occur in the Test program.
- Section 7: Appendix: This section describes the setting of pseudo breakpoints by particular Test modules.

  After Section 7, Appendix, is a glossary of technical terms that are used in the PLM.

  Note: Foldout method-of-operation diagrams are located at the back of the PLM. They relate to the text in Section 2, "Method of Operation".

368 pages

LY28-6842 **IBM SYSTEM/360 OS (TSO) ITF PROGRAM LOGIC INITIALIZATION, SYSTEM CONTROL, AND SYSTEM SUPPORT** **40**

Program Numbers: 5734-RC2, 5734-RC4

This publication describes the internal logic of ITF (Interactive Terminal Facility) that operates under System/360 Operating System with TSO (Time Sharing Option). It is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of ITF; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement.

This publication is one section of the ITF program logic manual. Please refer to the Preface for a list of other sections that, together with this one, form the ITF program logic manual. 104 pages

LY28-6856 **IBM SYSTEM/360 OS FORTRAN IV (G1) COMPILER PROGRAM LOGIC MANUAL** **25**

Program Number: 5734-FO2

This publication describes the internal logic of the FORTRAN IV (G1) compiler.

The FORTRAN IV (G1) compiler, an extended version of FORTRAN IV (G), is adapted to a time sharing as well as a batch environment. It is a program product that operates under the IBM System/360 Operating System. It provides the ability to store object programs and to produce source and object listings storage maps and object decks. In addition, the FORTRAN IV (G1) compiler produces a terse form of output comprised of error messages and compiler statistics, suitable for terminal display.

This program logic manual is intended for use by persons involved in program maintenance. Program logic information is not necessary for the use and operation of the FORTRAN (G1) compiler; therefore, distribution of this publication is limited to licensees who have the aforementioned requirement. 248 pages

GY30-2027 **IBM SYSTEM/360 OPERATING SYSTEM TCAM SERVICEABILITY AIDS: PROGRAM LOGIC MANUAL** **30**

Program Number 360S-CQ-548

This publication describes the internal logic of the Operating System Telecommunications Access Method Serviceability Aids. It is intended for use by IBM Program Systems Representatives and system programmers who are altering the program design. 208 pages

GY30-2029 **SYSTEM/360 OS TCAM PLM** **30**

The IBM System/360 Telecommunications Access Method (TCAM) allows high-level, device-independent communication with telecommunications equipment. This program provides a flexible message control language that can be used to achieve installation-oriented message control.

This publication describes the internal logic of TCAM. It identifies and discusses the parts of the program that perform specific functions and relates these parts to the program listing. 136 pages

Y33-7007 **IBM SYSTEM/360 CONVERSION AIDS: COBOL-TO-PL/I LANGUAGE CONVERSION PROGRAM FOR IBM SYSTEM/360 OPERATING SYSTEM** **29**

Program Number 360C-CV-712

This document describes the internal logic of the COBOL-to-PL/I Language Conversion Program for the IBM System/360 Operating System.

Program logic manuals are intended for use by IBM system engineers involved in program maintenance, and by system programmers involved in altering the program design. Program logic information is not necessary for program operation and use; therefore, distribution of this manual is limited to persons with program maintenance or modification responsibilities.

LY33-8027 **IBM SYSTEM/360 OPERATING SYSTEM SORT/MERGE PROGRAM LOGIC MANUAL** **33**

Program Number 5734-SM1

This publication describes the internal logic of the IBM System/360 Operating System Sort/Merge Program. It describes the functions performed by specific areas of the program and is intended to be used by persons involved in program maintenance or by systems programmers who are altering the program design. It is not needed for normal use or for operation of the program. Included in this publication are flowcharts, storage layouts, a module directory, and diagnostic aids and messages. 122 pages

LY33-8540 **IBM SYSTEM/360 DISK OPERATING SYSTEM ASCII MAGNETIC TAPE UTILITIES PROGRAM LOGIC MANUAL** **32**

Program Number 5736-UT2

This publication describes the internal logic of the IBM System/360 Disk Operating System (DOS) utility programs that can process American National Standard Code for Information Interchange (ASCII) magnetic tape files. The DOS utility programs that utilize direct access storage devices (DASD), but cannot process ASCII files, are described in IBM SYSTEM/360 DISK OPERATING SYSTEM UTILITIES, PROGRAM LOGIC MANUAL, Order No. GY24-5023. The DOS utility programs not using DASD and unable to process ASCII files are similar to the Tape Operating System (TOS) utility programs. These are described in the IBM SYSTEM/360 TAPE OPERATING SYSTEM UTILITY PROGRAMS, PROGRAM LOGIC MANUAL Order No. GY24-5019. Program logic information is not necessary for the use and operation of the program. This manual, is therefore, intended primarily for use by persons involved in program maintenance and by system programmers who are altering the program design. 216 pages

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