

# INTERCOMM

RELEASE 11 (at SM LEVEL 2300)

MODULES on SYMREL and MODREL

Alphabetically by:

NAME

CODES/CATEGORIES

TYPE (Csect, Dsect, Macro, etc.)

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RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
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CODE DESCRIPTIONS:

APA Application Programming-Autogen Facility  
APC Application Programming-Macros and Facilities  
APD Application Programming-DDQ  
APF Application Programming-Store/Fetch  
APM Application Programming-MMU  
APO Application Programming-Edit/Output, Change/Display  
CMD System Commands  
DBM Generalized and Specific Data Base Interfaces  
DE Data Entry Facility  
DSP Dispatcher  
FEB Front End (general and BTAM line handlers)  
FEG GFE Front End Interface  
FET Extended TCAM Interface  
FEV VTAM Front End  
FH File Handler (File Recovery, BOF and DFA)  
ITU Installation and Testing  
LP Link-Pack Facility  
LU6 LU6.2 Interface  
MCR Message Collection and Retrieval  
MRS Multi-Region Facility  
MVS Operating System Interface  
PST Performance and Statistics  
RLC Restart/Recovery, Logging and Checkpointing  
RM Resource Management  
SEC Basic Security and ESS  
SNP ESTAE/ESPIE SNAPS, ABENDs etc.  
SS Subsystem Controller and Interfaces  
STC Start-up and Closedown

NOTES:

1) There are about 1000 members listed here including 30 members released only in load module form (MODREL only) including:

IAIM.... Cross-reference scans (9)  
SM..... ASMF subroutines (8)  
INTASMF ASMF processing driver  
IGCICSVC Intercomm Integrity SVC (IISVC)

2) Duplicates (where found) are because the member is integral to more than one Intercomm Facility (category).

3) Sorting sequence - in the WORD collating sequence - digits are lower than alpha characters, causing some members to seem out of sequence.

4) Under the TYPE column, the (L) indicates members off-loaded to Proclib by Installation step 2; the (I) indicates members generated internally by external macros coded by the user (Intercomm programmer), or table copy code (EQUates).

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
\$\$\$\$SECU	Csect	SEC	ESS-dummy subsystem for SECU verb processing
ABTOTEND	Csect	DBM	TOTAL subtask abnormal end processing
ASYNCH	Csect	SS	subtasked Asynchronous Overlay Load processing
ASYNCLDR	Csect	SS	Asynchronous Load-dynamically loaded SS/subroutine
AUTORCVR	Csect	DBM	Automated Restart - Data Base restart
AUTORCVR	Csect	RLC	Automated Restart interface
BDIAL	Csect	FEB	Asynchronous dial-up terminals Line Handler
BINSRCH	Csect	APC	Table or index binary search routine
BINSRCH	Csect	FEB	Index (verbs/terminals) binary search routine
BINSRCH	Csect	FEV	Index (verbs/terminals) binary search routine
BINSRCH	Csect	MCR	SS codes index binary search routine
BLHIN	Csect	FEB	Leased terminal input line handler
BLHOT	Csect	FEB	Leased terminal output line handler
BLHSTRC	Csect	CMD	LTRC (LU/line trace) command processing
BLHSTRC	Csect	FEB	LTRC command (line trace) processing
BLHSTRC	Csect	FEV	LTRC command (LU trace) processing
BLHTRACE	Csect	CMD	issue line trace snaps (BTAM)
BLHTRACE	Csect	FEB	line trace snap issuing routine
BLMSGCOL	Csect	MCR	Message Collection and Queuing Manager
BMH000	Csect	FEB	terminal message formatting handler
BROADRTN	Csect	APO	Broadcast messages handler with time delay
BSCDIAL	Csect	FEB	Switched Bisync line handler (CPU-CPU)
BSCLEASE	Csect	FEB	Leased Bisync line Handler (CPU-CPU)
BSEGMOD	Csect	APD	DDQ segmented input message processing
BSEGMOD	Csect	FEB	segmented input DDQ message processing
BSTAT2	Csect	CMD	STAT-display terminal/line status
BSTAT2	Csect	FEB	STAT command processing
BSTAT2	Csect	PST	format BTAM/TCAM terminal/line stats display
BTAMLINE	Csect	FEB	Start-up processing and Front End subroutines
BTAMLINE	Csect	STC	BTAM Front End startup
BTAMSIM	Csect	FEB	simulated terminals message I/O processing
BTAMSIM	Csect	ITU	simulated terminals message I/O processing
BTSEARCH	Csect	FEB	look-up and verify input transaction code (verb)
BTVERIFY	Csect	FEB	verify Network definition tables coding
BTVERIFY	Csect	STC	check BTAM network tables coding
CALCRBN	Csect	MCR	set disk Q space allocation addresses (start-up)
CALCRBN	Csect	STC	allocate disk queue RBN (space) addresses
CHANGE	Csect	APO	Change a file record processing (C/D)
CHANGE	Csect	CMD	CHNG command processing subsystem
CHCKPTSS	Csect	CMD	CKPT checkpoint request subsystem
CHCKPTSS	Csect	RLC	subsystem quiesce for checkpointing
CHECKPT3	Csect	RLC	process checkpoint records-create/restart
CHECKPT3	Csect	STC	checkpoint processing-dispatch only
CICSSAMP	Csect	LU6	Sample LU6.2 interface CICS program
CKLINK	Csect	SS	test for loadable (dynamic, overlay) subsystems
CKLINK	Csect	STC	test for loadable (dynamic, overlay) subsystems
CLOSDWN3	Csect	CMD	NRCD/IMCD closedown subsystem
CLOSDWN3	Csect	STC	close-down processing subsystem
CNT01MOD	Csect	FEB	CPU console line handler
COBPUT	Csect	MCR	Cobol/PL1 interface to queue subsystem message
COBPUT	Csect	SS	Cobol/PL1 interface-queue a message for another SS
COBREENT	Csect	SS	Subroutine interface for Reentrant Cobol

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NAME	TYPE	CODE	DESCRIPTION
COBSTORF	Csect	SS	Free dynamic storage for Reentrant Cobol
CONVERSE	Csect	APC	Converse facility interface processing
COPYEXIT	Csect	FEB	Sample COPY processing user exit (BTAM)
COPYEXIT	Csect	FEV	Sample COPY processing user exit (VTAM)
COPYSS	Csect	CMD	COPY 3270 CRT data subsystem (BTAM)
COPYSS	Csect	FEB	COPY command processing subsystem
CPLUNCSS	Csect	CMD	COPT/UNPT TOTAL couple processing subsystem
CPLUNCSS	Csect	DBM	COPT/UNPT TOTAL couple commands processing
CPUIDSND	Csect	CMD	CPUD - 3735 terminal CPU-id request
CPUIDSND	Csect	FEB	CPUD-3735 CPU-ids terminal request
CRUNCH	Csect	APO	delete trailing blanks/zeros for output msg (C/D)
CSITA014	Csect	DBM	TOTAL region logging user exit
DATBASXT	Csect	DBM	TOTAL batch region-coordinate checkpointing
DBCHKDSP	Csect	DBM	Data Base CHECKPT (Csect) dispatching
DBCHKDSP	Csect	RLC	Data Base checkpointing
DBMCHECK	Csect	DBM	G.D.B. checkpointing-DBM Region
DBRSTRT	Csect	DBM	Data Base SS message restart processing
DBRSTRT	Csect	RLC	Data Base SS message restart processing
DBRSTRT	Csect	STC	generalized Data Base restart processing
DDQINTFC	Csect	APD	automatic subsystem input message processing
DDQINTFC	Csect	SS	automatic subsystem input message processing
DDQMOD	Csect	APD	DDQ processing-queue manipulation
DDQSTART	Csect	APD	DDQ start-up processing
DDQSTART	Csect	STC	DDQ data sets initialization
DELOAD	Csect	SS	Dynamic subsystem load processing
DISPLAY	Csect	APO	prepare file record for output utility (C/D)
DISPLAY	Csect	CMD	DSPL command processing
DUMVCOB2	Csect	STC	VS COBOL II environment set up - dummy subsystem
DWSSNAP	Csect	APC	snap COBOL DWS or PL/1 DSA area/fields subroutine
DYNLLOAD	Csect	SS	Dynamic subroutine load and linkedit
DYNSSUP	Csect	CMD	FTUN/SSUP SYCTTBL dynamic change processing
DYNSSUP	Csect	PST	FTUN/SSUP SYCTTBL dynamic change processing
DYNSSUP	Csect	SS	FTUN/SSUP SYCTTBL dynamic change processing
ECHOMSG	Csect	APC	request redispach msg. through subsystem
EDIT000	Csect	APO	determine alpha field length
EDIT001	Csect	APO	validate and pack a numeric field
EDIT002	Csect	APO	validate and convert numeric field to binary
EDIT003	Csect	APO	strip \$ and decimal point, convert to packed
EDIT004	Csect	APO	edit a key with check digit
EDIT005	Csect	APO	convert YES/NO to 1/0
EDIT006	Csect	APO	validate TID in station table
EDIT007	Csect	APO	determine numeric field length
EDIT008	Csect	APO	convert dollar field to binary
EDIT009	Csect	APO	edit alphameric field with leading zeros
EDIT3270	Csect	APO	3270 formatted input message editing
ERRSTATS	Csect	FEB	Front End line/terminal error stats processing
ERRSTMSG	Csect	FEB	issue remote 3270 error messages
FAKEDISP	Csect	DSP	trap dispatcher entries to test core clobbers
FAKEDISP	Csect	ITU	trap dispatcher entries-test for core clobbers
FAKEDISP	Csect	SNP	trap dispatcher entries for debugging
FDITCB	Csect	RM	thread control block processing
FDITCB	Csect	SS	thread control block processing

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
FDPSEND	Csect	CMD	FDPS - 3735 terminal-send FDP list request
FECMD	Csect	CMD	process/route Front End control commands
FECMD	Csect	FEB	Front End commands editing/routing
FECMD	Csect	FEV	Front End commands editing/routing
FECMMOD	Csect	APC	Front End control message processing
FECMMOD	Csect	APD	Front End Control message processing-FECMDDQ
FECMMOD	Csect	FEB	Front End control message processing
FECMMOD	Csect	FEV	Front End control message processing
FEMSG	Csect	CMD	message formatting-Front End command responses
FEMSG	Csect	FEB	message formatting-Front End command responses
FEMSG	Csect	FEV	message formatting-Front End command responses
FESEND	Csect	APC	queue a message for a terminal
FESEND	Csect	MCR	queue a message for a terminal
FEWHOI	Csect	CMD	WHOI/WHOU display terminal characteristics
FEWHOI	Csect	FEB	WHOI/WHOU display terminal characteristics
FEWHOI	Csect	FEV	WHOI/WHOU display terminal characteristics
FINTUNER	Csect	CMD	BEGN/DELY etc. processing subsystem
FINTUNER	Csect	PST	Subsystem control commands-BEGN/DELY etc.
FINTUNER	Csect	SS	process SS control commands BEGN/DELY etc.
FORMAT	Csect	APD	edit change/display data fields (C/D)
FORMGEN	Csect	APD	process user FGEN OFT display command
FORMGEN	Csect	CMD	user FGEN OFT display processing subsystem
GDBSTUP	Csect	DEM	Generalized Data Base support start-up
GDBSTUP	Csect	STC	Generalized Data Base support start-up
GENVERB	Csect	FEB	replace function key with verb from GENTABL for U100
GETSEG	Csect	APC	get next message input segment
GFEINTFC	Csect	FEG	GFE interface to user terminal I/O routines
GPSS	Csect	CMD	General Purpose Subsystem-commands interface
ICOMCESD	Csect	STC	dynamic linkedit-create ESD entries table at startup
ICOMDYNL	Csect	CMD	LOAD dynamic linkedit processing
ICOMDYNL	Csect	STC	dynamic linkedit processing at start-up
ICOMTASK	Csect	APC	SUBTASK - general and special subtasks processing
ICOMTASK	Csect	FH	generalized subtask processing
ICOMTASK	Csect	SS	Subtask macro processing
ICOMTASK	Csect	STC	TASKSTRT entry-initialize SUBTASK processing
ICOMVCON	Csect	CMD	LOAD dynamic linkedit-relocate external references
ICOMVCON	Csect	STC	dynamic linkedit-relocate external references-startup
IGC250	Csect	DEM	inter-region SVC for data base region (DL/I)
IGCICOM	Csect	MRS	inter-region SVC (MRSVC)
IGCICOM	Csect	MVS	Fastsnap/SYSEVENT/ESS processing SVC (MRSVC)
IGCICOM	Csect	SEC	ESS - processing SVC (MRSVC)
IGCICSVC	Csect	MRS	inter-region integrity SVC (IISVC) (MODREL)
IGCICSVC	Csect	MVS	Fastsnap/SYSEVENT/ESS integrity SVC (IISVC) (MODREL)
IGCICSVC	Csect	SEC	ESS - integrity SVC (IISVC) (MODREL)
IJKCESD	Csect	PST	build address/Csect(entry) names table at startup
IJKCESD	Csect	STC	build address/Csect(entry) names table at startup
IJKDELAY	Csect	APC	request timed delay for program execution
IJKDELAY	Csect	DSP	request timed delay for program execution
IJKDSP01	Csect	DSP	Dispatcher queue processing
IJKDSP02	Csect	DEM	DBMS multitasking interface-DB region
IJKPRINT	Csect	APC	print a line on SYSPRINT
IJKPRINT	Csect	DSP	print a WQE Trace line on SYSPRINT

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
IJKTLOOP	Csect	DSP	subsystem loop timeout processing
IJKTLOOP	Csect	SS	subsystem loop timeout processing
IJKTRACE	Csect	APC	request printing dispatcher queues
IJKTRACE	Csect	DSP	format dispatcher queues for printing
IJKTRACE	Csect	PST	Dispatcher Queues report
IJKTRACE	Csect	SNP	print dispatcher queues (Snap 126)
IJKWHOIT	Csect	APC	find Csect/subsystem name from address/codes
IJKWHOIT	Csect	DSP	find Csect/entry/subsystem name for IJKTRACE
IJKWHOIT	Csect	PST	find Csect/subsystem name for trace, messages
IJKWHOIT	Csect	RM	find Csect name + displacement for TDUMP
IJKWHOIT	Csect	SNP	find Csect/subsystem name for trace, messages
INITLU6	Csect	LU6	interface to initiate LU6.2 transaction from SS
INTBETAI	Csect	DE	Data Entry routing/interface processing
INTCRQ	Csect	FH	create DDQ for Backout-on-the-fly (BOF)
INTDBLOK	Csect	RLC	LOGPROC subroutine-deblock log records
INTDE010	Csect	DE	process sign-on
INTDE020	Csect	DE	process mode selection
INTDE030	Csect	DE	start Enter mode
INTDE040	Csect	DE	start Verify mode
INTDE050	Csect	DE	restart Enter mode
INTDE060	Csect	DE	restart Verify mode
INTDE070	Csect	DE	start Correct mode
INTDE071	Csect	DE	Correct mode processing
INTDE080	Csect	DE	start Scan mode
INTDE081	Csect	DE	Scan mode processing
INTDE090	Csect	DE	terminate Data Entry session
INTDE110	Csect	DE	restart interrupted batch
INTDE200	Csect	DE	Enter/Verify commands processing
INTDE210	Csect	DE	END/SAVE batch commands processing
INTDE220	Csect	DE	MARK Command processing
INTDE230	Csect	DE	Paging commands processing
INTDE240	Csect	DE	STATUS command processing
INTDE260	Csect	DE	start LIST command processing
INTDE261	Csect	DE	continue LIST command processing
INTENTRY	Csect	DE	Enter/Verify modes processing
INTLOAD	Csect	SS	dynamic loaded subsystem interface (not dyn link)
INTPRQ	Csect	FH	purge a DDQ for Backout-on-the-fly (BOF)
INTSEC00	Csect	SEC	ESS-security processing
INTSEC00	Csect	STC	ESS environment initialization, shutdown
INTSEC02	Csect	CMD	SECU command processing (ESS)
INTSEC02	Csect	SEC	ESS-security processing - SECU command
INTSORT	Csect	APC	table sort subroutine
INTSORT	Csect	SEC	ESS-table sort subroutine
INTSORT	Csect	STC	sort CESD entry/address tables at startup
INTSTORF	Csect	APF	Store/Fetch processing
INTSTROB	Csect	CMD	STRB command processing
INTSTROB	Csect	PST	STROBE interface processing
INTSTS	Csect	PST	System Tuning Statistics report processing
INTSTS	Csect	STC	start System Tuning Statistics reporting
INTTABLE	Csect	APC	Table Facility processing
INTVRB00	Csect	FEB	input verb validation
INTVRB00	Csect	FEV	input verb validation

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
INTVRB00	Csect	SEC	ESS-input verb, Front End security processing
ISGATTN	Csect	APA	attribute processing-normal mode
ISGATTR	Csect	APA	revise mode-change attributes processing
ISGCNAMS	Csect	APA	field name change processing
ISGEN	Csect	APA	main processing and subroutine routing
ISGLNAMS	Csect	APA	limited length field names processing-Layout screen
ISGLONGS	Csect	APA	Layout screen significant byte scan processing
ISGLYOUT	Csect	APA	Layout screen field scanning subroutine
ISGNUMTY	Csect	APA	numeric field type processing for Layout screen
ISGOUT	Csect	APA	output completed map group macros
IXFB37	Csect	FH	flip/flop sequential output disk file
IXFB37	Csect	RLC	flip/flop disk log file
IXFCHKPT	Csect	FH	file recovery-checkpoint record processing (FR)
IXFCHKPT	Csect	RLC	Checkpointing interface-file recovery
IXFCTRL	Csect	CMD	FILE command processing
IXFCTRL	Csect	FH	FILE command processing
IXFCTRL	Csect	PST	FILE data set control command processing
IXFDYALC	Csect	CMD	FILE command dynamic alloc/dealloc file
IXFDYNAM	Csect	FH	Dynamic File Allocation special feature processing
IXFFAR	Csect	FH	File Attribute Records processing-startup
IXFFAR	Csect	STC	File Attribute Records DSCT initialization
IXFHND00	Csect	FH	file start-up/close-down processing
IXFHND00	Csect	STC	file start-up/close-down processing
IXFHND01	Csect	FH	file I/O processing
IXFLOG	Csect	FH	file recovery logging (FR)
IXFLOG	Csect	RLC	file recovery logging
IXFQISAM	Csect	FH	QISAM via BISAM interface
IXFRPT01	Csect	CMD	FHST-file and LSR statistics command processing
IXFRPT01	Csect	FH	file and LSR stats display and report
IXFRPT01	Csect	PST	FHST-File and LSR stats processing
IXFRVRSE	Csect	FH	file reversal to before images (FR)
IXFRVRSE	Csect	RLC	file reversal to before images
IXFVERF1	Csect	FH	read changed file record for BOF (BOF)
IXFVSCRS	Csect	FH	VSAM cross-region shared file control
KEYFLIP	Csect	MVS	dummy module (BR R14) replaced by MRSVC/IISVCALL
LMAP	Csect	APM	LMAP - dynamically load map group to S/F data set
LMAP	Csect	CMD	LMAP - dynamically load map group to S/F data set
LOADOVLY	Csect	SS	synchronous overlay subsystem load processing
LOADSCT	Csect	CMD	LOAD command processing subsystem
LOADSCT	Csect	PST	LOAD-reload program command processing
LOADSCT	Csect	SS	LOAD command processing
LOGINPUT	Csect	ITU	reprocess previously created log
LOGINPUT	Csect	PST	reprocess previously created log
LOGINPUT	Csect	RLC	reprocess previously created log
LOGPROC	Csect	RLC	fast log restart processing
LOGPROC	Csect	STC	fast log msg., checkpoint, restart processing
LOGPUT	Csect	RLC	add a record to the log
LOPENMOD	Csect	FEB	special LOPEN processing for LTTY
LPSTART	Csect	LP	link pack and SPA pointers start-up initialization
LPSTART	Csect	STC	link pack and SPA start-up initialization
LUCUR	Csect	FEV	VTAM HALT user exit for DLU printer timeout
LUCUR	Csect	SEC	ESS - VTAM HALT user exit for signoff checking



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NAME	TYPE	CODE	DESCRIPTION
MANAGER	Csect	RM	resource auditing and storage control
MAPIN	Csect	APM	input mapping processing
MAPOUT	Csect	APM	output mapping processing
MMUCOMM	Csect	APM	MMUC command processing for MMU maps
MMUCOMM	Csect	CMD	MMUC command for MMU maps subsystem
MMUDDM	Csect	APM	3270 CRT device dependent processing
MMUDDMM	Csect	APM	generalized device (TTY, etc.) dependent processing
MMUDDMT	Csect	APM	Dataspeed 40/1 and 2 device dependent processing
MMUDDMU	Csect	APM	3270 Printer device dependent processing
MMUDDMX	Csect	APM	string record device dependent processing
MMUED001	Csect	APM	editing subroutine-COND=ENTERED fields
MMUED002	Csect	APM	editing subroutine-character strings
MMUED003	Csect	APM	editing subroutine-numeric fields
MMUED008	Csect	APM	YES/NO, logical CNTL char. fields editing
MMUSTART	Csect	APM	MMU start-up initialization
MMUSTART	Csect	STC	MMU start-up initialization
MONOVLY	Csect	SS	Overlay B, C, D subsystem control processing
MRCONSS	Csect	CMD	Multi-region control commands subsystem (COMM)
MRCONSS	Csect	MRS	Multi-region control commands processing subsystem
MRCONSS	Csect	PST	Multi-region status command processing
MRCSAMOD	Csect	MRS	MVS-CSA area processing-msg. transfer
MRINPUT	Csect	MCR	multi-region input message routing
MRINPUT	Csect	MRS	input msg. routing (satellite and control)
MRINTER	Csect	MRS	MRS initialization/termination processing
MRINTER	Csect	STC	MRS initialization/termination processing
MRLOGIN	Csect	MRS	single region log-input logging (to control region)
MRLOGOT	Csect	MRS	single region log-output logging (from satellite)
MRMOD	Csect	CMD	LOKR/ULKR RAP commands processing
MRMOD	Csect	MRS	LOKR/ULKR RAP commands processing
MROTPUT	Csect	MCR	multi-region output message routing (satellite only)
MROTPUT	Csect	MRS	transfer output message to control region
MRPURGE	Csect	MRS	Multi-region purge processing for closedown (CR/SR)
MRQMNGR	Csect	MCR	multi-region message queuing transfer (from control)
MRQMNGR	Csect	MRS	SUBSYS queue management and logging-control region
MRSTAE	Csect	MRS	STAE exit for region abends
MSGAC	Csect	RLC	fast restart 'read-back time' record creation
MTASTUP	Csect	DBM	Metabase Data Base interface-Model 204
OUT3270	Csect	FEB	IBM 3270 output msg. compression/verification
OUT3270	Csect	FEV	IBM 3270 output msg. compression/verification
OUT3735	Csect	FEB	IBM 3735 output msg. compression
OUTDS40	Csect	FEB	Dataspeed 40/1&2 output message idles insertion
PAGE	Csect	APC	Page Facility processing-store pages
PAGEMSG	Csect	APC	Page Facility-PAGE/SAVE commands processing subsystem
PAGEMSG	Csect	CMD	PAGE/SAVE Page Facility commands subsystem
PDATABASE	Csect	DBM	resident subsystem interface to TOTAL
PL1V	Csect	SS	PL1-F prefix-vectors for dynamic load SS
PL1V	Csect	SS	PL1-Opt. prefix-vectors for dynamic load SS
PMI2741	Csect	FEB	IBM 2741 leased/switched line handler
PMI3735S	Csect	FEB	IBM 3735 switched terminal line handler
PMI7770S	Csect	FEB	IBM 7770 switched terminal line handler
PMIAUTOF	Csect	SEC	automatic sign-off processing
PMIBTSTR	Csect	FEB	Front End startup initialization calls

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
PMIBTSTR	Csect	STC	BTAM Front End initialization routine calls
PMICANC	Csect	SS	USERCANC processing when SS cancelled/msg. flushed
PMICKFTB	Csect	AP0	start-up File Table checking: DD names, DCBs
PMICKFTB	Csect	STC	startup-check File Table entries; DD names, DCBs
PMICOBOT	Csect	SS	convert decimal ITEM codes to binary for msg.
PMIDATER	Csect	APC	return Julian date as Gregorian (mmddy)
PMIDATER	Csect	DSP	increment Gregorian date saved in SPA after midnight
PMIDATER	Csect	STC	convert Julian date to Gregorian (mmddy)
PMIDEBUG	Csect	PST	region dump/cancel request processing
PMIDEBUG	Csect	SNP	process region dump/cancel request for debugging
PMIDEBUG	Csect	STC	dynamic debugging via WTOR
PMIDLOAD	Csect	SS	Dynamic subroutine load/delete processing
PMIDVASN	Csect	AP0	process DVASN segmented output message editing
PMIEDIT	Csect	AP0	input message editing
PMIEXTRM	Csect	APC	terminal tables look-up processing for EXTERM macro
PMIEXTRM	Csect	APM	terminal tables look-up processing for EXTERM macro
PMIEXTRM	Csect	AP0	terminal tables look-up processing
PMIEXTRM	Csect	FEV	VTAM Network Table terminal look-up for EXTERM macro
PMIFIXED	Csect	AP0	fixed length positional input fields editing
PMIGETNB	Csect	MCR	start-up checking of Disk Q DD statements
PMIGETNB	Csect	STC	check Disk Q's DD statements, set no. RBNS
PMIHARDW	Csect	PST	ICOMHALT-Intercomm temporary quiesce processing
PMIHEADR	Csect	SEC	switch sending/receiving SS codes for security test
PMINQDEQ	Csect	RM	System resources Enqueue/Dequeue processing
PMIOUTPT	Csect	AP0	Output message formatting subsystem
PMIOVLAY	Csect	SS	Transient Overlay subroutine load processing
PMIPL1	Csect	SS	PL1 interface to non-PL1 subroutines (REENTSBS)
PMIRETRV	Csect	MCR	Message Retriever from subsystem/terminal queues
PMISERC3	Csect	AP0	find a file entry, item code (E/O, C/D)
PMISIGN	Csect	CMD	ASGN/DSGN, SIGN security commands subsystem
PMISIGN	Csect	SEC	ASGN/DSGN, SIGN commands processing subsystem
PMISNAP1	Csect	SNP	snap request processing to produce a snap
PMITEST	Csect	ITU	Test Mode interface processing
PMITEST	Csect	STC	PMIPRIME-initialize Test Mode input buffers
PMIVMI56	Csect	AP0	3270 CRT output formatting-variable data only
PMIZPDEB	Csect	FEB	IBM 7770 terminal zap DCB pointer in DEB
POOLDUMP	Csect	APC	request ICOMPOOL headers trace printout
POOLDUMP	Csect	PST	core pools status report processing
POOLDUMP	Csect	RM	Intercomm core pools status reporting
POOLSTRT	Csect	RM	dynamically load core pools members at startup
POOLSTRT	Csect	STC	dynamically load core pools members at startup
PREPL1	Csect	SS	PL1-F subsystem initialization interface
PREPLI	Csect	SS	PL1-OPT subsystem initialization interface
PREPROG	Csect	SS	COBOL subsystem initialization interface
PURGEQ	Csect	DBM	Generalized Data Base restart purging
PURGEQ	Csect	RLC	Generalized Data Base restart purging
QUEUEMOD	Csect	FEB	Front End terminal message dequeuing
QUEUEMOD	Csect	MCR	Front End BTAM/TCAM terminal Q dequeuing
READBACK	Csect	RLC	LOGPROC subroutine-read Log backwards
REQONDDQ	Csect	APD	single thread restart via DDQ message queue
REQONDDQ	Csect	DBM	single thread restart via msg. DDQ (TOTAL)
REQONDDQ	Csect	RLC	single thread restart via DDQ msg. queue

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
RESTORE3	Csect	RLC	checkpoint initialization and checkpoint restart
RESTORE3	Csect	STC	checkpoint restart and initialization
RMNADISA	Csect	RM	ENABLE/DISABLE processing
RMPURGE	Csect	RM	purge non-freed application subsystem resources
RMTRACE	Csect	PST	compute and print core use stats
RMTRACE	Csect	RM	compute and print core use statistics
SAMSECT	Csect	PST	SAM-allocate/free/update thread buckets
SBTSKDLI	Csect	DBM	DL/I-processing subtask
SECUEXIT	Csect	SEC	ESS - sample user exit - LOGOFF id, signoff cleanup
SECURE00	Csect	SEC	general Security commands processing router
SECURE01	Csect	SEC	Verb Security processing
SECURE02	Csect	SEC	Station/Operator sign-on processing
SENDBACK	Csect	CMD	SNBK command-terminal echo msg. subsystem
SENDBACK	Csect	FEB	SNBK terminal test echo message processing
SIM3270	Csect	FEB	print simulated 3270 message data
SIM3270	Csect	ITU	print simulated 3270 message data
SIMTTY	Csect	FEB	simulated TTY (NCIC) leased line handler
SNAPRTN	Csect	CMD	SNAP/ABND dump requests processing
SNAPRTN	Csect	SNP	SNAP/ABND commands processing (GPSS)
SPIEEXIT	Csect	SNP	ESPIE exit routine to trap program checks
SPIESNAP	Csect	SNP	produce Snap 126 (indicative or full)
SPINOFF	Csect	SNP	spin off snap data sets processing
SSPOLL	Csect	RM	suspend terminal input polling-cushion released
SSRPT	Csect	STC	Closedown subsystem processing stats report
STAEEXIT	Csect	SNP	ESTAE exit routine processing-flush log, etc.
STAERTRY	Csect	SNP	recoverable abends retry processing
STAETASK	Csect	SNP	ESTAE initialization, exit for subtasks
STARTDLI	Csect	DBM	DL/I-interface start-up initialization
STARTDLI	Csect	STC	DL/I Data Base start-up initialization
STARTUP3	Csect	STC	Intercomm start-up and system initialization
STOSTART	Csect	APF	Store/Fetch data sets initialization-start-up
STOSTART	Csect	STC	Store/Fetch data sets initialization
STRBICOM	Csect	PST	interface to INTSTROB-get SS code, thread #
STRTSTOP	Csect	CMD	STRT/STOP function commands processing
STRTSTOP	Csect	PST	STRT/STOP function commands processing
STRTSTOP	Csect	STC	SSINIT entry-STRT/STOP functions initialization
STVSCOB2	Csect	STC	initialize VS COBOL II environment (call DUMVCOB2)
SUBRPT	Csect	STC	Closedown loaded subroutine activity report
SWITCH	Csect	CMD	SWCH message to another terminal subsystem
SWITCH	Csect	FEB	SWCH a message command processing
SWMODE	Csect	SS	loaded 31-Amode program (BAL/PL1) interface
SYCT400	Csect	SS	Subsystem Controller (SYCTRL Csect)
SYSCNTL	Csect	CMD	SCTL - system display/debug processing
SYSCNTL	Csect	PST	system display and debug processing
TALLY	Csect	CMD	TALY system Qs/status display processing
TALLY	Csect	DSP	TALY display dispatcher Qs command
TALLY	Csect	FEB	TALY terminal stats display command processing
TALLY	Csect	FEV	TALY LU stats display command processing
TALLY	Csect	MCR	TALY Q status display command
TALLY	Csect	PST	TALY display system status command processing
TALLY	Csect	SS	TALY SS Queues, active threads, display processing
TCAMASYN	Csect	FET	asynchronous TCAM queues I/O processing

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
TCAMINTF	Csect	FET	request a TCAM I/O function
TCAMVER	Csect	FET	TCAM network-definitions verification-start-up
TCAMVER	Csect	STC	verify TCAM terminal/line definitions
TDUMP	Csect	APC	request print one or all thread RCB chains
TDUMP	Csect	PST	thread RCB chains report
TDUMP	Csect	RM	Thread dump - RCB chains reporting
TDUMP	Csect	SNP	print thread RCB chains (Snap 126)
TERMCONV	Csect	APC	find terminal # within company, security index pointer
TICDLICM	Csect	DBM	DL/I-provide PCB addresses for subsystem
TOTCHKPT	Csect	DBM	TOTAL checkpointing
TOTCHKPT	Csect	RLC	TOTAL data base checkpointing
TOTCLOSE	Csect	DBM	TOTAL closedown processing
TOTCLOSE	Csect	STC	TOTAL data base closedown
TOTSTART	Csect	DBM	TOTAL start-up initialization
TOTSTART	Csect	STC	TOTAL data base initialization
TPUMSG	Csect	CMD	Network Control commands processing (BTAM/TCAM)
TPUMSG	Csect	FEB	Network Control commands processing (BTAM/TCAM)
TRACKMOD	Csect	PST	test whether to track CPUTIME for this thread
TRAP	Csect	DSP	trap dispatcher entries - test 24-A core pool clobbers
TRAP	Csect	ITU	trap entry points to test for 24-A storage destruction
TRAP	Csect	RM	trap 24-Amode Intercomm core pool headers destruction
TRAP	Csect	SNP	trap various entry-points to check 24-Amode pools
TRAP31	Csect	DSP	trap dispatcher entries - test 31-A core pool clobbers
TRAP31	Csect	ITU	trap entry points to test for 31-A storage destruction
TRAP31	Csect	RM	trap 31-Amode Intercomm core pool headers destruction
TRAP31	Csect	SNP	trap various entry-points to check 31-Amode pools
TRIGGER	Csect	SS	process time dependent table entries
TRVRSE	Csect	FH	read BOF DDQ backwards for file reversal (BOF)
TTY SVC	Csect	FEB	Leased TTY open processing SVC
TUNRBEGN	Csect	CMD	issue a BEGN message for delayed subsystem
TUNRBEGN	Csect	PST	issue a BEGN msg. for delayed subsystem
TUNRBEGN	Csect	SS	issue BEGN msg. for a SS-dispatched by FINTUNER
USERB37E	Csect	RLC	unload flip/flop log data set user exit
USRBTLOG	Csect	FEB	F1 logging of input terminal message-user exit
USRBTLOG	Csect	FEV	F1 logging of input terminal message-user exit
USRBTLOG	Csect	RLC	provide F1 logging of valid input terminal message
USRCLOSE	Csect	STC	user exit-issue Intercomm closedown message
USRECRY	Csect	FEB	sample BLHIN/BLHOT I/O error user exit
USRER129	Csect	FEB	3270/129 I/O error recovery user exit
USRPAGEX	Csect	APC	Page Facility-page adding control user exit
USRPAGEX	Csect	SEC	Page Facility-page adding control user exit
USRQMONX	Csect	MRS	Determine receiving region when RAP not used
USRSEREX	Csect	DBM	serial restart-new input control user exit
USRSEREX	Csect	RLC	serial restart-new input control user exit
USRSTART	Csect	STC	user exit-issue Intercomm start-up message
USRSTSCH	Csect	APC	user exit to process generic Station Table entries
USRSTSCH	Csect	APM	user exit to process generic Station Table entries
USRSTSCH	Csect	APC	user exit to process generic Station Table entries
USRSTSCH	Csect	FEB	user exit to process generic Station Table entries
USRSTSCH	Csect	FEV	user exit to process generic Station Table entries
VERBSTRT	Csect	FEB	dynamically load BTVRBTB at startup
VERBSTRT	Csect	FEV	dynamically load BTVRBTB at startup

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
VERBSTRT	Csect	STC	dynamically load BTVRBTB at startup
VT01MOD	Csect	FEV	process CPU console messages under VTAM
VTAMSTAT	Csect	CMD	VTST command status display processing
VTAMSTAT	Csect	FEV	VTST command status display processing
VTAMSTAT	Csect	PST	VTAM LU status command processing
VTAUTOUP	Csect	FEV	VTAM autoup processing-LUs, Front End
VTCDM1	Csect	FEV	class 1 LUTYPE component dependent routine
VTCDM2	Csect	FEV	class 2 LUTYPE component dependent routine
VTCDM6	Csect	LU6	class 6 LUTYPE component dependent routine (basic)
VTCDM62	Csect	LU6	class 6 LUTYPE component dependent routine (enhanced)
VTERRMOD	Csect	FEV	issue VTAM error message
VTEXITS	Csect	FEV	VTAM ACB exit routines, processing
VTLUCMD	Csect	CMD	VTAM Front End control commands processing
VTLUCMD	Csect	FEV	VTCN and Logical Unit commands processing
VTLUDM2	Csect	FEV	LU dependent module for Class 2 terminals
VTLUDM6	Csect	LU6	LU dependent module for Class 6 terminals (basic)
VTLUDM62	Csect	LU6	LU dependent module for Class 6 terminals (enhanced)
VTLUSCAN	Csect	FEV	find/add/delete entries in LU table (unused)
VTPASS62	Csect	LU6	pass a transaction via an LU6.2 link
VTQMOD	Csect	FEV	output queuing and dequeuing routines
VTQMOD	Csect	MCR	VTAM terminal message queuing and dequeuing
VTRECVE	Csect	FEV	record mode-normal flow-input processing
VTRESP	Csect	FEV	handle all definite and exception responses
VTSEND	Csect	FEV	record mode-normal flow-output processing
VTSQRSYN	Csect	FEV	RSLU command-sequence # resynchronization
VTSTART	Csect	FEV	VTAM start-up initialization
VTSTART	Csect	STC	VTAM startup initialization
VTTRACEV	Csect	CMD	LTRC - issue Logical Unit trace snaps (VTAM)
VTTRACEV	Csect	FEV	VRE completion and logical unit trace processing
VTURLRX1	Csect	FEV	RELREQ request user exit processing
VTUROTX1	Csect	FEV	sample OTQUEUE user exit-acquire LU
VTURSDX1	Csect	FEV	sample SNDNRM user exit for pending SPLU request
VTVREERR	Csect	FEV	VRE (RPL) error analysis
WTOMOD	Csect	APC	process PMIWTO/PMIWTOR macro requests
WTOMOD	Csect	FEB	pass PMIWTO/WTOR TERM parm requests to Front End
WTOMOD	Csect	FEV	pass PMIWTO/WTOR TERM parm requests to Front End

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
AIDSECTS	Dsect	FEB	AIDDATA and AIDGRP expansion areas description
AIDSECTS	Dsect	FEV	AIDDATA and AIDGRP expansion areas description
ALTREPR	Dsect	APO	Alternate report table DSECT
ASYDSECT	Dsect	SS	Asynchronous Load Subtask communication area
BRODSECT	Dsect	APO	Broadcast terminal group table area
BTAMWORK	Dsect	FEB	Front End line handlers work area description
BTMDSECT	Dsect	CMD	Front End response message area (TPUMSG)
BTMDSECT	Dsect	FEB	Front End message area Dsect (TPUMSG)
BTMDSECT	Dsect	MCR	Front End message area Dsect (FESEND)
CB2SNPAR	Dsect	SS	VS COBOL II interface snaps parameter list
CHKPTDST	Dsect	RLC	Checkpoint File Areas
COBDSECT	Dsect	SS	256-byte COBOL DWS prefix area description
CORACCT	Dsect	RM	core stats distribution ranges area
DDQSECTS	Dsect	APD	DDQ areas DSECTS
DDSASECT	Dsect	FH	Dynamic File Allocation control block area (DFA)
DEVLISTC	Dsect	APM	DEVICE macro area description
DEVLISTC	Dsect	APO	DEVICE macro area description
DEVTABL	Dsect	FEB	BDEVICE macro area description
DIALTABL	Dsect	FEB	define dial-up line BLINE extension fields
DLIB	Dsect	DBM	DL/I interface block area
DLIB	Dsect	RLC	DL/I interface block area-checkpointing
DSEDSECT	Dsect	APD	Data Set table area
DSEDSECT	Dsect	MRS	DDQ data set element area (MRINTER)
DYNDSECT	Dsect	SS	Dynamic loaded subroutines (SUBMODS macro) area
ENQDSECT	Dsect	MRS	ENQ-id area definitions (MRINTER, MRPURGE)
ERRLBLKD	Dsect	FEB	line error stats recording area (ERRSTAT=YES)
ERRTBLKD	Dsect	FEB	terminal error stats recording area (ERRSTAT=YES)
FECMDSEC	Dsect	APC	Front End control messages formats
FECMDSEC	Dsect	APD	Front End Control messages formats
FECMDSEC	Dsect	FEB	Front End control messages formats
FECMDSEC	Dsect	FEV	Front End control messages formats
FRDSECTS	Dsect	FH	File Attributes area description (FAR/FAB)
FTBLISTC	Dsect	APO	File Description Table area (C/D)
ICP	Dsect	SEC	ESS in-core profile area
INTSEC	Dsect	SEC	ESS security record formats
INTTABDS	Dsect	APC	Table Facility areas
ISGFIT	Dsect	APA	Autogen Field Descriptions-generated map
IXFDSECT	Dsect	FH	File Handler work area
LGDSECT	Dsect	FEB	LINEGRP macro-DCB prefix area + IHADCB
LOGCHK	Dsect	RLC	checkpoint log record area description
LOGSEC	Dsect	SEC	ESS log record msg. area
LUDSECTS	Dsect	FEV	VTAM logical unit areas
MCBDSECT	Dsect	APM	MMU/subsystem MCB interface control block area
MCTDSECT	Dsect	MRS	Multi-region Control Table, REGCOM macro areas
MDCAREA	Dsect	APM	Device Description Module interface block
MMUDDMWK	Dsect	APM	DDM work area description
MMUDSECT	Dsect	APM	Map, Map Group, Segment, Field area descriptions
MMUICDST	Dsect	APM	symbolic data control prefix field area
MMUNFDST	Dsect	APM	internal normal form area-edited data
MPWDSECT	Dsect	MRS	RAP area description
MSGQWRK	Dsect	MCR	queue area-message queuing and retrieval
NQDSECTS	Dsect	RM	INTENQ/DEQ parameters (resource) area

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
OVLYTBL	Dsect	SS	Overlay B, C, D verb table area for MONOVLY
PEXTABLE	Dsect	FEB	Dial-up terminals BTERM extension area
PGEDSECT	Dsect	APC	Page Facility-master page table area
PLNDSECT	Dsect	FEB	BLINE macro DECB and line definition area
PTRDSECT	Dsect	FEB	BTERM terminal area description
PVRBTBLE	Dsect	FEB	BTVERB verb parameters area description
PVRBTBLE	Dsect	FEV	BTVERB verb parameters area description
RCTLISTC	Dsect	APO	REPORT/LINE/ITEM areas description
RDTSECTS	Dsect	MRS	Region Descriptor Table areas (REGION, SUBSYS)
REPTABLE	Dsect	APO	Company/Terminal/Report information-Output
RESRC	Dsect	SS	RESOURCE macro area description
RMDSECTS	Dsect	RM	Resource and storage control areas
RQEDSECT	Dsect	APC	Page Facility-Response Q Element area (obsolete)
SAMCB	Dsect	PST	SAM control block areas
SCNLIDS	Dsect	SS	Subsystem Controller save area
SCTLISTC	Dsect	MCR	SYCTTBL macro Q area description
SCTLISTC	Dsect	SS	SYCTTBL macro area description
SFCOREDS	Dsect	APF	Store/Fetch (core) string header area
SFTABLE	Dsect	APF	S/F data sets table area description
SRCPARMS	Dsect	APO	binary search parms area (PMIEXTRM)
SRCPARMS	Dsect	FEV	binary search parms area (VTLUSCAN)
STUSWRCD	Dsect	RLC	Auto-Restart - describes STRTUPSW record
THDCOMD	Dsect	SS	VS COBOL II THDCOM control block layout
TIMETBL	Dsect	SS	time zone (TMZONE macro) processing area
VRPDSECT	Dsect	FH	VSAM buffer pools area description (LSR)
VRT	Dsect	FEV	VTAM RPL table area description
VT62DATA	Dsect	LU6	Generalized Data Stream keys, FMH area
VTBUFFER	Dsect	FEV	VTAM input buffer area description
VTIDTABD	Dsect	FEV	VTAM/Intercomm TID synonym table entry description
VXQCB	Dsect	FEV	VTAM Exits Queue Control Block area
WQEDSECT	Dsect	DSP	Work Queue Element area description

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
COPYPROX	JCL	ITU	JCL to copy Intercomm procs to PROCLIB
WORKSHPM	JCL	ITU	APW Class workshop installation JCL with MMU
WRKSHP	JCL	ITU	APW Class workshop installation JCL (no MMU)



RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
AIDDATA	Macro	FEB	define 3270 AID substitution data string
AIDDATA	Macro	FEV	define 3270 AID substitution data string
AIDGRP	Macro	FEB	define AID group of keys to be converted
AIDGRP	Macro	FEV	define AID group of keys to be converted
ATTRIB	Macro	APM	Define terminal attribute codes
BCGROUP	Macro	APO	Define Broadcast messages terminal group
BDEVICE	Macro	FEB	define terminal I/O device characteristics
BER	Macro	APC	Branch Equal-Register (BC 8,r)
BHE	Macro	APC	Branch High or Equal (BC 11,address)
BHER	Macro	APC	Branch High or Equal-Register (BC 11,r)
BHR	Macro	APC	Branch High-Register (BC 2,r)
BLE	Macro	APC	Branch Low or Equal (BC 13,address)
BLER	Macro	APC	Branch Low or Equal-Register (BC 13,r)
BLINE	Macro	FEB	define line characteristics
BLR	Macro	APC	Branch Low-Register (BC 4,r)
BMR	Macro	APC	Branch if Mixed-Register (BC 4,r)
BNER	Macro	APC	Branch not Equal-Register (BC 7,r)
BNHR	Macro	APC	Branch not High-Register (BC 13,r)
BNLR	Macro	APC	Branch not Low-Register (BC 11,r)
BNMR	Macro	APC	Branch not Mixed-Register (BC 11,r)
BNOR	Macro	APC	Branch not Ones-Register (BC 14,r)
BNPR	Macro	APC	Branch not Positive-Register (BC 13,r)
BNZR	Macro	APC	Branch not Zeroes-Register (BC 7,r)
BOR	Macro	APC	Branch on Ones-Register (BC 1,r)
BPR	Macro	APC	Branch if Positive-Register (BC 2,r)
BTERM	Macro	FEB	define Front End terminal characteristics
BTVERB	Macro	FEB	define transaction code-verb
BTVERB	Macro	FEV	define transaction code-verb
BZR	Macro	APC	Branch if Zeroes-Register (BC 8,r)
CALLIF	Macro	APC	conditional (if VCON resolved) subroutine call
CALLOVLY	Macro	APC	call a subroutine in (transient) overlay area
CATCH	Macro	APC	transfer storage ownership to application thread
CATCH	Macro	RM	transfer storage ownership to application thread
CHKA1	Macro	APC	test parm for alphabetic (A-Z) only
CHKA2	Macro	APC	test parm for alphanumeric (A-Z, 0-9) only
CHKA3	Macro	APC	test parm for alphanumerics (A-Z, 0-9, \$, #, @)
CHKA4	Macro	APC	test parm=printable characters (A-Z, 0-9, graphics)
CHKBI	Macro	APC	test a field is binary (0/1) data
CHKDE	Macro	APC	test parm for decimal numerics (0-9) only
CHKHE	Macro	APC	test parm for Hexadecimal notation (0-9, A-F)
CHKREG	Macro	APC	test parm Register value (0-15, R1-R15, RA-RF)
CHKRQ	Macro	APC	test parm within permissible range
CHKRQ	Macro	APC	test for required/permissible # of sub-parms
CHKYN	Macro	APC	test parm equals YES or NO
CNTLCHR	Macro	APM	Define terminal control characters for output
COMMAND	Macro	APM	Define terminal write commands
CONVERT	Macro	APC	convert index to address/address to index
COREACCT	Macro	RM	define core stats distribution ranges
DDNFIND	Macro	APC	test if DDname defined in JCL (via TIOT)
DDQDS	Macro	APD	define DDQ data set for DDQ table
DEFAULTS	Macro	APM	define editing default separator characters
DEFINE	Macro	APM	define device characteristics for LOGCHARS

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
DEVICE	Macro	APM	define device characteristics for formatting/editing
DEVICE	Macro	APO	define device characteristics for formatting/editing
DISABLE	Macro	APC	temporarily halt timed-out thread purging
DISABLE	Macro	RM	temporarily halt timed-out thread purging
DISPATCH	Macro	APC	request dispatcher queuing service
DISPATCH	Macro	DSP	request dispatcher queuing service
DRFMFIND	Macro	DE	find a format name from the format number
DRFORM	Macro	DE	define table of format names for format numbers
DVMODIFY	Macro	APM	modify Back End device characteristics, or DSECT
ENABLE	Macro	APC	allow timed-out subsystem thread purge
ENABLE	Macro	RM	allow timed-out subsystem thread purge
ENDGROUP	Macro	APM	declare end-of-map-group definitions
ENTER	Macro	APC	standard linkage-get save area, chain, set base
EXMVE	Macro	APC	execute a long move (S/390 MVCL substitute)
EXSS	Macro	APC	execute an SS-format instruction (CLC, OC, TR, etc.)
EXTERM	Macro	APC	extract terminal/line/device BE/FE addresses
EXTRT	Macro	APC	execute a long (256+ bytes) translate and test (TRT)
FDETL	Macro	APO	define file record data field (C/D)
FDHDR	Macro	APO	define file record for file table (C/D)
FIELD	Macro	APM	define a map's field characteristics
GENFTBLE	Macro	APO	generate File Table entry for C/D
GENINDEX	Macro	SS	generate subsystem control table indices
GENRDT	Macro	MRS	generate Region Descriptor Table index
GENSEC	Macro	SEC	generate Basic Security table
GETDATE	Macro	APC	acquire Julian date (in register or field)
GETSPA	Macro	APC	obtain SPA address via TCBFSA
GFE	Macro	FEG	generate GFE vector/parameter area
GFEDSECT	Macro	FEG	generate vector table, parameters for GFE calls
HEXCON	Macro	APC	convert binary data to printable hexadecimal
ICOMGEN	Macro	ITU	generate installation JCL
ICOMLINK	Macro	ITU	generate Intercomm linkedit control deck
ICOMPCB	Macro	DBM	create COBOL DL/I interface table
ICOMPOOL	Macro	RM	define an Intercomm core pool area
INTDEQ	Macro	APC	dequeue from a resource
INTDEQ	Macro	RM	dequeue from a resource
INTENQ	Macro	APC	enqueue on a resource
INTENQ	Macro	RM	enqueue on a resource
INTEXTR	Macro	APC	get A(MSG), A(Parmlist) passed by Subsys. controller
INTPOST	Macro	APC	post an internal ECB
INTPOST	Macro	DSP	post an internal ECB
INTTCB	Macro	APC	get ITCB address for thread/generate ITCB area Dsect
INTTIME	Macro	APC	get TIME (optimized for MVS) and Julian date
INTWAIT	Macro	APC	request processing delay/ECB wait via Dispatcher
INTWAIT	Macro	DSP	request wait-temporarily release control
ITEM	Macro	APO	define a field/element for output line formatting
IXFDSCTA	Macro	FH	Define Data Set Control Table area/DSECT
LAYOUT	Macro	APC	format a printable character string
LCOMP	Macro	FEV	define logical unit component
LINE	Macro	APO	define a print line for output formatting
LINEGRP	Macro	FEB	define a BTAM line group, DCB parms
LINKAGE	Macro	APC	provide program linkage and system addressability
LOGVERB	Macro	RLC	define verbs to be analyzed for log analysis

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
LPENTRY	Macro	APC	add user entry point to LPSPA
LPENTRY	Macro	LP	add user entry point to LPSPA
LPINTFC	Macro	LP	define link pack interface module groups
LPSPA	Macro	LP	define link pack system parameter area
LPVCON	Macro	APC	generate user pseudo-entry for LPINTFC
LPVCON	Macro	LP	define user VCON for LPINTFC
LUNIT	Macro	FEV	define VTAM logical unit
MAP	Macro	APM	define a map area
MAPACCT	Macro	APC	specify SAM user buckets, functions
MAPACCT	Macro	PST	specify SAM resources
MAPGROUP	Macro	APM	define a logical group of maps
MMUVT	Macro	APM	define MMU Vector parms, or DSECT
MODCNTRL	Macro	APC	request use of a dynamically loaded subroutine
MODCNTRL	Macro	SS	request use of a dynamically loaded subroutine
MRPASWRD	Macro	MRS	define region passwords for RAP
MSGHDR	Macro	APC	generate Intercomm message header area description
MSGHDR	Macro	MCR	generate Intercomm message header fields
PADD	Macro	APO	define pad character for editing routines
PARM	Macro	APO	define data unit for input transaction editing
PARMLIST	Macro	APC	input parameter list area for subsystem
PASS	Macro	APC	transfer storage ownership to Intercomm (thread 0)
PASS	Macro	RM	transfer storage ownership to Intercomm (thread 0)
PATRN	Macro	APO	define editing pattern for output msg. field (C/D)
PCENSCT	Macro	MCR	calculate disk Q allocation percentages
PMIALTRN	Macro	APO	specify alternate output reporting formats
PMIELIN	Macro	APO	line delimiter for positional transaction editing
PMISNAP	Macro	APC	request a snap
PMISNAP	Macro	SNP	request a snap
PMISTOP	Macro	APC	generate table end indication/index
PMISTOP	Macro	FEB	generate table macro group delimiter/index
PMISTOP	Macro	FEV	generate table macro group delimiter/index
PMIWTO	Macro	APC	generate a WTO console message
PMIWTOR	Macro	APC	generate a WTOR console message
POLLIST	Macro	FEB	generate terminal polling list
PULTHRED	Macro	APC	get current thread #, set condition code-0 test
QCOUNT	Macro	APC	count total messages queued on a SYCTTBL
REGA	Macro	APC	generate register equates-hex and decimal
REGCOM	Macro	MRS	define an Intercomm region for MCT
REGION	Macro	MRS	define an Intercomm region for RDT
REGS	Macro	APC	generate register equates-decimal only
REPORT	Macro	APO	define output format table entry
RESOURCE	Macro	SS	specify a resource shared by subsystems
ROUND	Macro	APC	round a binary value upwards in powers of 2
RTNLINK	Macro	APC	provide standard program return, free save area
SECTEST	Macro	SEC	ESS-test user authority for a logical function
SECVERBS	Macro	SEC	define verbs for security checking in Station Table
SEGMENT	Macro	APM	define a map segment-group of fields
SMLEVEL	Macro	ITU	ASMF-generate SMS, XMS
SMPROF	Macro	ITU	ASMF-generate system PROFILE for SM application
SPALIST	Macro	SS	define system parameter area (SPA/SPAEXT) or DSECT
SSCONV	Macro	APC	subsystem codes conversion processing
SSSTART	Macro	APC	start a STRT/STOP function

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
SSSTART	Macro	PST	start a STRT/STOP function (system or user)
SSSTOP	Macro	APC	stop a STRT/STOP function
SSSTOP	Macro	PST	stop a STRT/STOP function (system or user)
SSTEST	Macro	APC	test status of a STRT/STOP function
SSTEST	Macro	PST	test status of a STRT/STOP function
STALIST	Macro	APC	generate STATION macro area DSECT
STATION	Macro	APM	define terminal for Back End processing
STATION	Macro	APQ	define terminal for Back End processing
STATION	Macro	SEC	Basic Security parms for terminals
STORAGE	Macro	APC	request storage area (pools/GETMAIN)
STORAGE	Macro	RM	request storage area (pools/GETMAIN)
STORFREE	Macro	APC	free storage area (pools/FREEMAIN)
STORFREE	Macro	RM	free storage area (pools/FREEMAIN)
SUBLINK	Macro	APC	set up subroutine linkage
SUBMODS	Macro	APC	define application subroutine entry-REENTSBS
SUBMODS	Macro	SS	define application subroutine entry-REENTSBS
SUBSYS	Macro	MRS	define a Subsystem within a Region
SUBTASK	Macro	APC	execute a routine as a subtask
SYCTTBL	Macro	MCR	define terminal/subsystem Q
SYCTTBL	Macro	SEC	Basic Security parms for subsystem
SYCTTBL	Macro	SS	define subsystem processing/Q characteristics
TMZONE	Macro	SS	specify time dependent processing
TOTFLGEN	Macro	DBM	generate TOTAL file table
USRTRACK	Macro	APC	request SAM tracking-user bucket/function
USRTRACK	Macro	PST	request SAM tracking of user data
VCT	Macro	FEV	generate VTAM Control Table area or DSECT
VERB	Macro	APQ	define transaction for editing by Edit Utility
VERBGEN	Macro	APQ	prevent PARM macro expansion for non-resident VERB
VTBIND62	Macro	LU6	define LU6.2 prime session bind image
VTCSB	Macro	FEV	define LU Component Specification Block
VTIDCONV	Macro	FEV	convert VTAM LU-name to/from Intercomm terminal-id
VTIDTAB	Macro	FEV	define VTAM/Intercomm TID synonym table, DLU parms
VTL5B	Macro	FEV	define Logical Unit Specification Block
VTLVB	Macro	FEV	define VTAM LU exit routine vector table
VWTO	Macro	APC	inner generation for PMIWTO macro
VWTOR	Macro	APC	inner expansion for PMIWTOR macro
XASWITCH	Macro	APC	flip 24/31 processing mode
XASWITCH	Macro	MVS	flip 24/31 processing mode

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
\$LUCCV	Macro(I)	FEV	gen. code values for inner CSB macro
\$LUCLASS	Macro(I)	FEV	get class # and code for LU/COMP type
\$LUCYN	Macro(I)	FEV	test YES/NO-concatenate appropriate bit string
BETAMOD	Macro(I)	DE	Define Betacomm Application Program name
BTERR	Macro(I)	FEB	generate Front End logical error-line down
BTLCEX	Macro(I)	FEB	test a BTERM flag setting
BTLCEX	Macro(I)	FEV	test an LCOMP flag setting
BTLCEX	Macro(I)	RLC	test a Front End log code for restart
BTMSG	Macro(I)	CMD	generate Front End response message (TPUMSG)
BTMSG	Macro(I)	FEB	generate Front End response message (TPUMSG)
BTSPA	Macro(I)	FEB	generate Front End Vector area/DSECT
BVBASE	Macro(I)	CMD	set BTAM/VTAM tables addressability
BVBASE	Macro(I)	FEB	set BTAM table entry addressability
BVBASE	Macro(I)	FEV	set VTAM table entry addressability
CALLGFE	Macro(I)	FEG	call a GFE processing function from line handler
CHKSN	Macro(I)	APM	test parm equals SAME or NEXT
CK3270	Macro(I)	APO	ITEM-set SBA address from relative position
CKFIT	Macro(I)	APA	check screen data fits in field info table
CKWORK	Macro(I)	SS	test for auxiliary SCT coding
CKWORK1	Macro(I)	SS	used by CKWORK
CKWORK2	Macro(I)	SS	used by CKWORK
CODETRNS	Macro(I)	RLC	set up branch index table
DDQDELFE	Macro(I)	APD	delete an FEB from FET table
DDQFH	Macro(I)	APD	format File Handler parmlist and branch to call it
DDQINSFE	Macro(I)	APD	insert an FEB in FET table
DDQWTO	Macro(I)	APD	issue error message (PMIWTO) and dump (default)
DISPSET	Macro(I)	FH	tell dispatcher if executing in Batch mode
DISPSET	Macro(I)	MRS	tell dispatcher cross-region posts will be done
DRDISK	Macro(I)	DE	interface to File Handler CALL
DRDUSUB	Macro(I)	DE	generate Betacomm subsystem interface area
DRHELP	Macro(I)	DE	set up HELP response with error msg. id
DRINIT	Macro(I)	DE	subroutine initialization-linkage, usings, etc.
DRMOVE	Macro(I)	DE	interface to Betacomm input msg. editing routine
DRMVCL	Macro(I)	DE	execute a long move-more than 255 bytes
DRNXTP	Macro(I)	DE	subroutine exit-define next routine to use
DRPOS	Macro(I)	DE	convert row/column/model # to SBA address
DRSAVE	Macro(I)	DE	save a data string for next input message
DRTAB	Macro(I)	DE	generate input command editing area
DRUSCALL	Macro(I)	DE	call user on-line editing exit routine
DRUSPARM	Macro(I)	DE	generate user exit parameter list
DRXMIT	Macro(I)	DE	interface to FESEND-output message-CALL
ENDFLD	Macro(I)	APM	delimit FIELD macro generation within SEGMENT
ENDMAP	Macro(I)	APM	delimit MAP generation within MAPGROUP
ENDSEG	Macro(I)	APM	delimit SEGMENT generation within MAP
EVENT	Macro(I)	RM	RMPURGE-test subsystem thread enabled for purging
EXSS	Macro(I)	APM	execute an SS-format instruction
EXSS	Macro(I)	FEV	execute an SS-format instruction
EXTERM	Macro(I)	APM	extract terminal station/device addresses
EXTERM	Macro(I)	APO	extract terminal station/device addresses
EXTERM	Macro(I)	FEV	extract LUNIT/DLU VTIDTAB and/or LCOMP addresses
FDRLIST	Macro(I)	APO	generate File Description Record area Dsect (C/D)
FEERR	Macro(I)	CMD	generate Front End command response message

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
FEERR	Macro (I)	FEB	generate Front End command response msg.
FEERR	Macro (I)	FEV	generate Front End command response msg.
FINDDDD	Macro (I)	APM	find DDM address based on Devtype
FINDQNUM	Macro (I)	FEB	find a Front End Queue SYCTTBL area
FINDQNUM	Macro (I)	MCR	find a Front End Queue-SYCTTBL area
FLDGEN	Macro (I)	APM	FIELD-generate internal field area in map
FLDSYM	Macro (I)	APM	FIELD-generate symbolic field labels
FLDVALS	Macro (I)	APM	FLDGEN-FIELD type values table
FREEVRE	Macro (I)	FEV	return VTAM RPL element to VRE pool
GEN	Macro (I)	ITU	generate PRINT ON for PRINT GEN
GENGBLS	Macro (I)	ITU	set global indicators for ICOMGEN macro
GETDEV	Macro (I)	FEB	get terminal's BDEVICE address
GETDLU	Macro (I)	FEV	get first dynamic LU from chain
GETDLU	Macro (I)	LU6	get first dynamic LU from chain
GETPHYS	Macro (I)	APM	convert logical code to physical code from LOGCHARS
GETTHRED	Macro (I)	RM	get current thread number and its RCB table offset
GETVRE	Macro (I)	FEV	get a VTAM RPL element from VRE pool
HARDWAIT	Macro (I)	FEV	issue MVS WAIT for WTOR response (VTLUCMD)
HARDWAIT	Macro (I)	FH	issue MVS WAIT - INTCRQ/INTPRQ/TRVRSE (BOF)
HWCMPRS	Macro (I)	RM	compress full word to halfword (PUTTABLE)
HWEXPND	Macro (I)	RM	expand halfword RCB index to fullword
IEFJFCBN	Macro (I)	FH	generate JFCB area for READJFCB
IEFTIOT1	Macro (I)	FH	generate TIOT area description
IISVCALL	Macro (I)	MRS	integrity SVC (IISVC) interface
IISVCALL	Macro (I)	MVS	integrity SVC (IISVC) interface
IISVCALL	Macro (I)	SEC	ESS - integrity SVC (IISVC) interface
IJKMAC01	Macro (I)	DSP	DISPATCH macro-internal generation
IJKMAC02	Macro (I)	SS	internal replacement for SETOVLY macro
INITLN	Macro (I)	APM	FIELD-check INITIAL parm values
INSC	Macro (I)	DE	generate 3270 insert cursor command
INTCOPYR	Macro (I)	SS	issue Copyright message (SPALIST)
INTGBLS	Macro (I)	ITU	set global indicators for ICOMLINK
INTRNLV	Macro (I)	RLC	LOGRESP-save/restore regs in symbolic area
INTTCB	Macro (I)	SS	Icom thread control block processing or gen. DSECT
INTTIME	Macro (I)	MVS	get TIME (optimized for MVS) and Julian date
IXFACB	Macro (I)	FH	IXFLOG/IXFHND01-generate VSAM ACB Dsect
IXFDSCTB	Macro (I)	FH	generate IXFDSCTA Dsect
IXFRPL	Macro (I)	FH	IXFLOG/IXFHND01-generate VSAM RPL Dsect
LHTRACE	Macro (I)	FEB	request line trace snap
LOGERR	Macro (I)	RLC	generate LOGANAL error message
LOGOPTNS	Macro (I)	RLC	LOGANAL-generate options table or Dsect
LOGRSPTM	Macro (I)	RLC	LOGOPTNS-generate response stats tables
LOGSSTBL	Macro (I)	RLC	generate LOGVRB Dsect-relate VMI codes to verbs
LOPENMAC	Macro (I)	FEB	generate call to LOPENMOD for LTTY
LSCAN	Macro (I)	APA	scan screen area for significant character
LUSCAN	Macro (I)	FEV	access LU table-via call to VTLUSCAN
MAPGEN	Macro (I)	APM	MAP-generate internal map area
MAPSYM	Macro (I)	APM	MAP-generate symbolic map area
MCSRROUTE	Macro (I)	SS	SPALIST-set ROUT code fields-force/suppress
MPGGEN	Macro (I)	APM	MAPGROUP-generate internal map group area
MPGSYM	Macro (I)	APM	MAPGROUP-generate symbolic map group name
MRCASV	Macro (I)	MRS	get saved CSA area address (static/dynamic)

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
MRCVB	Macro (I)	MRS	SUBSYS-convert SETC value to a SETA value
MRFIND	Macro (I)	MRS	locate region entry in MCT via Region-id
MRGETID	Macro (I)	MCR	get MRS password-id for RAP msg. queuing
MRGETID	Macro (I)	MRS	get password-id for RAP processing-queuing
MRIDAXS	Macro (I)	MCR	MRGETID-get locked TID Region number
MRIDAXS	Macro (I)	MRS	MRGETID-get region-id number for a terminal
MRMOVE	Macro (I)	MRS	move data (message) to/from our region's CSA
MRPOST	Macro (I)	MRS	perform inter-region ECB posting
MRSVC	Macro (I)	MRS	issue inter-region communication SVC (MRSVC)
MRSVC	Macro (I)	MVS	FASTSNAP/SYSEVENT/ESS - issue SVC (MRSVC)
MRVAL	Macro (I)	MRS	validate message within our region boundary
MRWAIT	Macro (I)	DSP	wait on ECB posting by another region
MRWAIT	Macro (I)	MRS	wait on ECB posting by another region
MSGHFORM	Macro (I)	FEB	finish formatting msg. header (TID, BTVERB parms)
NOGEN	Macro (I)	ITU	generate PRINT ON,NOGEN for PRINT NOGEN
NUMITEM	Macro (I)	APM	FLDSYM-construct COB/PLI numeric fields
OPOINT	Macro (I)	SS	test an overlay segment loaded/in core
PAD	Macro (I)	APM	pad a label with low-order blanks
PADOUT	Macro (I)	FEB	BTERM-blank pad TID to five characters
PARMLIST	Macro (I)	MCR	BLMSGCOL/MROTPUT-Q request parameters
PL1INTFC	Macro (I)	SS	PREPL1-generate subsystem call code (PL1-F)
POSTPSCT	Macro (I)	MCR	post primary SCT for auxiliary SCT if active
POSTPSCT	Macro (I)	SS	post primary SCT (if active) for auxiliary SCT
PRTGEN	Macro (I)	SS	dummy for downward compatibility
PT	Macro (I)	DE	generate 3270 program tab command
PULLDLU	Macro (I)	LU6	remove an LU from Master LU dynamic chain
PULTHRED	Macro (I)	APD	get current thread #, set condition code-0 test
PULTHRED	Macro (I)	MCR	get current thread #, set condition code
PUTDLU	Macro (I)	FEV	restore an LU to end of dynamic chain
PUTDLU	Macro (I)	LU6	restore an LU to end of dynamic chain
PUTTABLE	Macro (I)	RM	return an RCB to head of free chain in RCB table
QCOUNT	Macro (I)	FEB	count total messages queued on a SYCTTBL (BTAM)
QCOUNT	Macro (I)	FEV	count total messages queued on a SYCTTBL (VTAM)
QCOUNT	Macro (I)	MCR	count total messages queued on a SYCTTBL
RA	Macro (I)	DE	generate 3270 Repeat-to-address command
RMMASK	Macro (I)	RM	call processing routine via SPAEXT address
RSTACK	Macro (I)	FEV	define/manipulate a stack of register contents
SBA	Macro (I)	DE	generate 3270 SBA command (and address)
SCAFACT	Macro (I)	APM	FIELD-set scaling factor-numeric fields
SECLOCK	Macro (I)	SEC	ESS security locking
SECTB	Macro (I)	SEC	generate DSECT of security table (GENSEC/SECVERBS)
SEGGEN	Macro (I)	APM	SEGMENT-generate internal segment area
SEGSYM	Macro (I)	APM	SEGMENT-generate symbolic segment area
SENDMAP	Macro (I)	APM	symbolic map processing-end of map, map group
SENDSEG	Macro (I)	APM	symbolic map processing-end of segment
SETOVLY	Macro (I)	SS	issues IJKMAC02 (set current OVLY # in Dispatcher)
SF	Macro (I)	DE	generate 3270 Start Field command (attribute)
SNAPIT	Macro (I)	RLC	LOGPROC-translate/print buffer area
SORTGEN	Macro (I)	FEB	generate sorted index-BTERM/BTVERB (PMISTOP)
SORTGEN	Macro (I)	FEV	generate sorted index-LCOMP/BTVERB (PMISTOP)
SORTGEN	Macro (I)	SS	generate sorted SCT indices (GENINDEX)
SORTTBL	Macro (I)	FEB	sort terminal/verb indices (PMISTOP)

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
SORTTBL	Macro(I)	FEV	sort terminal/verb indices (PMISTOP)
SORTTBL	Macro(I)	MRS	sort region Subsystem Codes (GENRDT)
SORTTBL	Macro(I)	SS	sort subsystem codes (SORTGEN)
SSBITS	Macro(I)	SS	generate STRT/STOP function bits table (SPALIST)
SSCONV	Macro(I)	SS	Subsystem codes conversion processing
SSMACRO	Macro(I)	SS	generate STRT/STOP processing request macros
STADEV	Macro(I)	APM	get terminal station/device addresses
STADEV	Macro(I)	APO	extract station/device addresses for terminal
SVECT	Macro(I)	SEC	ESS-generate vector table or Dsect
SYCTTBL	Macro(I)	FEB	define terminal queue
SYCTTBL	Macro(I)	FEV	define terminal queue
TABSCAN	Macro(I)	RM	scan RCB table for a thread's RCBs
THREDFLP	Macro(I)	FH	flip a thread number back to original (BOF)
THREDFLP	Macro(I)	MRS	flip a thread number back to original
TRACK	Macro(I)	PST	increment an Intercomm SAM bucket
TRTBLGEN	Macro(I)	FEB	generate TRT table of specific character range
UCBDEXT	Macro(I)	DE	generate Data Entry terminal work area
UCBDSECT	Macro(I)	DE	generate terminal area DSECT
UCBID	Macro(I)	FEB	get line UCB channel address for error messages
UNPAD	Macro(I)	FEB	remove leading blanks (SORTGEN)
UNPAD	Macro(I)	FEV	remove leading blanks (SORTGEN)
UNPAD	Macro(I)	SS	remove leading blanks (SORTGEN)
USCAN	Macro(I)	APA	update scan start address and length
VERBTBL	Macro(I)	APO	generate Edit Control Table DSECT
VTCDCALL	Macro(I)	FEV	call a component dependent routine
VTCHKVRE	Macro(I)	FEV	validate/check RPL-based completion codes
VTCVB	Macro(I)	FEV	VTCSB-VTAM component vector block
VTDBSNAP	Macro(I)	FEV	generate debugging snap if SYSPARM (DEBUG)
VTERR	Macro(I)	FEV	format VTAM interface error message
VTGETCB	Macro(I)	FEV	get CSB address from LUC, or LSB address from LUB
VTLUCALL	Macro(I)	FEV	call LU dependent routine (defined via VTLVB)
VTREGUSE	Macro(I)	FEV	generate register EQU, and standard usings-VTAM blocks
VTSNDISP	Macro(I)	FEV	test if output queued for LU-dispatch VTSEND
VTTRCVRE	Macro(I)	FEV	invoke (call) VTTRACEV trace routine
VWTOLST	Macro(I)	APC	process variable message text for PMIWTO/R
WCC	Macro(I)	DE	generate 3270 Write Command control code
XASWITCH	Macro(I)	SS	flip 24/31 processing modes



RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
ASMHOC	Proc	ITU	assemble/create object module via Assembler H
ASMHPC	Proc	ITU	assemble a module via Assembler H
ASMHPCCL	Proc	ITU	assemble/create load module via Assembler H
ASMHPCM	Proc	ITU	assemble a macro via Assembler H
ASMPCM	Proc	ITU	assemble a macro via HLASM
COBPC	Proc	ITU	Cobol-F compile
COBPCL	Proc	ITU	Cobol-F compile and link
COBUPCLD	Proc	ITU	ANSI Cobol compile & link (with other routines)
COMPRESS	Proc	ITU	compress a PDS, release excess space
COPY	Proc	ITU	copy PDS member or entire PDS-execute IEBCOPY
DEFHSYM	Proc	APM	generate LOGCHARS language symbols via Assembler H
DEFHSYM	Proc	ITU	generate LOGCHARS language symbols via Assembler H
DEFSYM	Proc	APM	generate LOGCHARS language symbols via HLASM
FORTLINK	Proc	ITU	compile and link Fortran program
LIBCOBDL	Proc	ITU	ANS Cobol update/compile/link (without NCAL)
LIBECOB	Proc	ITU	ANS Cobol-update and compile only
LIBEHASM	Proc	ITU	update/assemble BAL source via Assembler H
LIBHLINK	Proc	ITU	update/assemble/link BAL program via Assembler H
LKEDE	Proc	ITU	link object and load modules to MODSCR
LKEDO	Proc	ITU	link object and load modules
LKEDPL1	Proc	ITU	linkedit PL1 modules
LKEDT	Proc	ITU	link load modules to MODSCR (Test Mode)
OPSCN	Proc	ITU	execute OPSCAN (assembler source scan) JCL
PATCH	Proc	ITU	Patch a load module-execute IMASPZAP (AMASPZAP)
SYMGEN	Proc	APM	generate symbolic map for program COPY via HLASM
SYMHGEN	Proc	APM	generate symbolic map for program COPY via Assembler H
SYMHGEN	Proc	ITU	generate symbolic map for program COPY via AssemblerH

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
ASMOC	Proc(L)	ITU	assemble/create object module via HLASM
ASMPCL	Proc(L)	ITU	assemble a module via HLASM
ASMPCL	Proc(L)	ITU	assemble and create load module via HLASM
COB2PC	Proc(L)	SS	VS COBOL II compile
COB2PCL	Proc(L)	SS	VS COBOL II compile and link (resident/loaded)
COBUPC	Proc(L)	ITU	ANSI Cobol compile
COBUPCL	Proc(L)	ITU	ANSI Cobol compile, link (resident/overlay/loaded)
DEFSYM	Proc(L)	ITU	generate LOGCHARS language symbols via HLASM
INTASMF	Proc(L)	ITU	execute ASMF to apply SMS
LIBE	Proc(L)	ITU	update a source member
LIBEASM	Proc(L)	ITU	update and assemble BAL source via HLASM
LIBECOBL	Proc(L)	ITU	ANS Cobol-update/compile/link (with NCAL)
LIBELINK	Proc(L)	ITU	update/assemble/link BAL program via HLASM
LKEDP	Proc(L)	ITU	link load modules
PLIXPC	Proc(L)	ITU	compile PL1-Optimized program
PLIXPCL	Proc(L)	ITU	compile and link PL1-Optimized program
PMIPCH	Proc(L)	ITU	punch a PDS (source) member
PMIPRT	Proc(L)	ITU	print a PDS source member
SYMGEN	Proc(L)	ITU	generate symbolic map for program COPY via HLASM

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
AAAAAAA	Table	ITU	list of SM's applied from SM listings
ASMFPROF	Table	ITU	ASMF SM application-system profile (MODREL)
ASMLGCH	Table	APM	LOGCHARS equate symbols for BAL program
BTAMSCTS	Table	FEB	sample Front End Queues table
BTAMSCTS	Table	MCR	Front End Queues BTAM/TCAM table
BTSAMP	Table	FEB	sample BTAM network definition tables-all types
BTVRBTB	Table	FEB	Intercomm Front End Verb Table
BTVRBTB	Table	FEV	Intercomm Front End Verb Table
COBLOGCH	Table	APM	Cobol LOGCHARS symbols copy code
COMPSYS	Table	ITU	SYSIN control card for COMPRESS
CRSCT	Table	MRS	Intercomm SYCTTBLs for control region
CRSPA	Table	MRS	sample INTSPA for control region
DDQDSTBL	Table	APD	sample DDQ data set table
DDQENV	Table	APD	DDQ control globals and set symbols
DS40TRDM	Table	FEB	Dataspeed 40/1 and 2 translate table
DYNSAMP	Table	FEV	sample coding of VTAM Network Table with Dynamic LU's
EDITPRMC	Table	APO	editing parms table for editing subroutines
ENVIRON	Table	FEB	Front End Globals control table (BTAM/TCAM)
FARPARMS	Table	FH	FAR parameter for new installation
FENETWRK	Table	FEB	BTAM network starter table-new installation
GENTABL	Table	FEB	sample function key/verb table for U100
IC31PL00	Table	RM	sample 31-Amode core pools table
ICOMDWS	Table	SS	Cobol copy code-output msg. header fields
ICOMHEXC	Table	SS	Cobol hex values copy code
ICOMINMG	Table	SS	Cobol copy code for input message header
ICOMSBS	Table	SS	Cobol copy code for REENTSBS offset codes
ICOMSSCS	Table	APO	Cobol copy code for VMI's and SS codes (E/O, C/D)
ICOMSSCS	Table	SS	Cobol copy code for VMI's and SS-codes (E/O, etc.)
IGG01977	Table	FEB	7770 channel commands
IGG019MP	Table	FEB	TTY (leased/dial-up) channel commands
IGG019YX	Table	FEB	7770 channel end appendage
INTFCLP	Table	LP	sample LPINTFC table
INTGLOBE	Table	ITU	system execution globals
INTSCT	Table	SS	Intercomm SYCTTBLs subsystem table
INTSPA	Table	SS	sample SPALIST code-SPA and SPAEXT (single-region)
ISGMAPS	Table	APA	Autogen screen maps
IXFDSTCT1	Table	FH	sample Data Set Control Table-21-50 files
IXFDSTCT2	Table	FH	sample Data Set Control Table-51-100 files
IXFDSTCT3	Table	FH	sample Data Set Control Table-101-200 files
LOGCHARS	Table	APM	device description tables-editing/formatting
LOGDCLGB	Table	RLC	LOGANAL execution globals
LOGSETGB	Table	RLC	LOGANAL SET symbols for global table
LOGVRBTB	Table	RLC	sample log analysis verb table
LTTYTRTB	Table	FEB	LTTY translate table
MMUVTBL	Table	APM	sample MMU Vector table
MRMCT	Table	MRS	sample MCT table for new installations
MSGHDC	Table	MCR	copy code - Intercomm message header fields
MSGHDC	Table	RLC	copy code - Intercomm message header fields
MYPRTTAB	Table	FEB	COPYEXIT terminal/printer correspondence table
MYPRTTAB	Table	FEV	COPYEXIT terminal/printer correspondence table
NEWPOOLS	Table	RM	sample 24-Amode core pools table
OVLYBTB	Table	SS	Sample Overlay B verb/SS table

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
PADDTBLE	Table	AP0	editing pad characters for edit and output
PENTRY	Table	SS	PL1-F codes for REENTSBS routines interface
PL1HDR	Table	SS	PL1-Opt. based copy code for msg. header area
PLIENTRY	Table	SS	DECLARE REENTSBS subroutine names (PL1-Opt.)
PLILOGCH	Table	APM	LOGCHARS values for PL1 programs
PLMSGHD	Table	SS	PL1-F copy code for message header area
PMIBROAD	Table	FEB	sample broadcast terminal groups table
PMIDEVTB	Table	AP0	sample Back End DEVICE description table
PMIFILET	Table	AP0	required files sample table (C/D, E/O)
PMIRCEND	Table	AP0	resident OFT (Reports) tables delimiter
PMIRCNTB	Table	AP0	resident OFT (Reports) tables prefix
PMIRDT00	Table	MRS	sample RDT table for new installation
PMISTATB	Table	APM	sample Back End STATION table - msg. edit/format
PMISTATB	Table	AP0	sample Back End STATION table
PMITRTAB	Table	AP0	table for alphanumeric TRT; A-Z, 0-9 (E/O)
PMIVERBS	Table	AP0	sample Edit Control Table-Intercomm verbs (E/O)
PROFILE	Table	ITU	ASMF SM application-system profile
PTRNTBLE	Table	AP0	sample output field edit patterns (C/D)
REENTSBS	Table	APC	subroutine entry definitions
REENTSBS	Table	SS	subroutine entry definitions
REPTAPE	Table	AP0	sample output Batch Report Table (E/O)
RPT00001	Table	AP0	C/D-CHANGE successful/did not take place msgs.
RPT00002	Table	AP0	E, C/D-FIELD NOT FOUND IN FDR, Edit routine missing
RPT00003	Table	AP0	C/D-File Table error messages
RPT00004	Table	AP0	C/D-error messages re C/D tables
RPT00005	Table	AP0	C/D-keyed files error messages
RPT00006	Table	AP0	O-Output Utility error messages
RPT00007	Table	AP0	File Description Record layout-FGEN command C/D, O
RPT00008	Table	SS	'PROGRAM CANCELLED DUE TO....'-PMICANC
RPT00009	Table	CMD	FINTUNER response messages
RPT00010	Table	AP0	E-numeric field exceeded maximum size
RPT00011	Table	AP0	E-repetitive parameter-more than 255 entries
RPT00012	Table	AP0	E-parameter erroneously supplied twice
RPT00013	Table	AP0	E-parameter change not allowed
RPT00014	Table	AP0	E-parameter delete not allowed
RPT00015	Table	AP0	E-repetitive parameter not entered correctly
RPT00016	Table	AP0	E-repetitive parameter-number too large
RPT00017	Table	AP0	E-verb not defined in Edit table (PMIVERBS)
RPT00017	Table	CMD	FGEN command error messages
RPT00018	Table	AP0	E-repetitive parameter-number not numeric
RPT00019	Table	AP0	E-data entered exceeded field size after editing
RPT00020	Table	AP0	E-field data entered greater than 250 characters
RPT00021	Table	AP0	E-invalid parameter data entered
RPT00022	Table	AP0	E-required parameter omitted-msg. cancelled
RPT00023	Table	AP0	E-attempted to change parm more than once
RPT00024	Table	AP0	E-parameter change for no-change verb
RPT00025	Table	AP0	E-missing EOT error message
RPT00026	Table	AP0	C/D, O-'END OF REPORT' line for other displays
RPT00026	Table	CMD	END OF REPORT line for statistics displays
RPT00027	Table	AP0	E-too many parms entered for the one line
RPT00028	Table	APM	LMAP response messages
RPT00028	Table	CMD	LMAP response messages

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
RPT00029	Table	APO	E-non-numeric character in numeric field
RPT00030	Table	APO	E-numeric field exceeded 4,200,000,000
RPT00031	Table	APO	E-DOLLAR FIELD MISSING DECIMAL POINT
RPT00032	Table	APO	E-Check digit error
RPT00033	Table	APO	E-YES/NO parameter not correctly entered
RPT00034	Table	APO	E-TPU-id entered as a parameter-not 5 characters
RPT00035	Table	APO	E-TPU-id entered as a parameter-not in Station Table
RPT00036	Table	CMD	Basic Security error messages
RPT00036	Table	SEC	AVRB/DVRB and ASGN/DSGN error messages
RPT00037	Table	CMD	Basic Security error messages
RPT00037	Table	SEC	Sign-on/Sign-off processing and error messages
RPT00038	Table	APO	E-LINE n TOO LONG
RPT00039	Table	APO	E-too many parms entered-not defined
RPT00040	Table	RLC	'CHECKPOINT FAILED' error message
RPT00041	Table	APO	(unused)
RPT00042	Table	SS	'INVALID SYSTEM CODE SNAP ISSUED,...'
RPT00043	Table	CMD	TALY command statistics displays
RPT00043	Table	DSP	TALY command dispatcher Qs display
RPT00043	Table	FEB	TALY command terminal Qs display
RPT00043	Table	FEV	TALY command terminal Qs display
RPT00043	Table	MCR	TALY command Q status displays
RPT00043	Table	PST	TALY command statistics displays
RPT00043	Table	RM	TALY command resource usage display
RPT00043	Table	SS	TALY command subsystem Q's, active threads, display
RPT00044	Table	RLC	checkpoint file error message
RPT00045	Table	CMD	STAT/COMM/VTST/FILE status displays
RPT00045	Table	FEB	STAT command display
RPT00045	Table	FEV	VTST command display
RPT00045	Table	FH	FILE command status display
RPT00045	Table	MRS	COMM command status display
RPT00046	Table	CMD	FHST command error messages
RPT00046	Table	FH	FHST command error messages
RPT00046	Table	PST	FHST command error messages
RPT00047	Table	CMD	FHST command displays-summary and detail
RPT00047	Table	FH	FHST command displays-summary and 3 details
RPT00047	Table	PST	FHST-displays-summary and details
RPT00048	Table	APO	E-editing routine is missing
RPT00049	Table	CMD	SECU command messages
RPT00049	Table	SEC	ESS error and sign-on messages
RPT00050	Table	APO	O-Output utility error messages
RPT99999	Table	APO	dummy (PMISTOP) end of reports indicator
SETENV	Table	FEB	global set symbols for ENVIRON globals
SETGLOBE	Table	ITU	set system execution globals for INTGLOBE
SMS	Table	ITU	ASMF-defines latest applied SM level
SPALP	Table	LP	sample LPSPA link pack area table
SR1SCT	Table	MRS	Intercomm SYCTTBLs for satellite region 1
SR1SPA	Table	MRS	sample INTSPA for satellite region 1
SR2SCT	Table	MRS	Intercomm SYCTTBLs for satellite region 2
SR2SPA	Table	MRS	sample INTSPA for satellite region 2
TABLES	Table	FEB	EBCDIC/ASCII-8 translate tables
TRAN3270	Table	FEB	3270 input translate lower to upper case
TRAN3270	Table	FEV	3270 input translate lower to upper case

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
UCBUSER	Table	DE	user extension to terminal work area (copy code)
UCDT1FLD	Table	DE	variable screen data field descriptor (Dsect)
USERSPA	Table	RLC	user-coded user checkpoint area pointers
USERSPA	Table	SS	dummy copy code-user extension to SPA area
USRBTVRB	Table	FEB	sample user BTVARB macros copy code
USRBTVRB	Table	FEV	sample user BTVARB macros copy code
USRSCS	Table	MRS	sample user SYCTTBLs copy code for CRSCT
USRSCS	Table	SS	dummy copy code-user SYCTTBLs (for INTSCT)
USRSCS1	Table	MRS	sample user SYCTTBLs copy code for SR1SCT
USRSCS2	Table	MRS	sample user SYCTTBLs copy code for SR2SCT
USRSUBS	Table	SS	dummy copy code-user SUBMODS macros into REENTSBS
USRVERBS	Table	APO	dummy copy code-user VERB, etc. macros in PMIVERBS
VTSAMP	Table	FEV	sample VTAM Front End Network Table coding
XMS	Table	ITU	define latest applied experimental SM level

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
\$LUCCALL	Table(I)	FEV	LUNIT/LCOMP/\$LUCSB-code values for inner macros
\$LUCSB	Table(I)	FEV	LCOMP/VTCSEB processing of common operands
ACCTYPES	Table(I)	PST	SAM-MAPACCT macro accounting types EQUates
CMSGHBMN	Table(I)	ITU	BMN-backoff change deck
DEVSETNG	Table(I)	APM	alphanumeric MMU device code EQUates
FEMACGBL	Table(I)	FEB	globals area table for sorting verbs/terminals
FEMACGBL	Table(I)	FEV	globals area table for sorting verbs/terminals
FEMACGBL	Table(I)	MRS	globals area table for sorting (SUBSYS macro)
FEMACGBL	Table(I)	SS	globals area table for subsystem codes sorting
FEMSGEQU	Table(I)	CMD	Front End message numbers EQUates
FEMSGEQU	Table(I)	FEB	Front End message numbers EQUates
FEMSGEQU	Table(I)	FEV	Front End message numbers EQUates
HEXSETC	Table(I)	APM	hex SETC symbols for hex parm values (DEFINE)
HEXSETC	Table(I)	SS	hex SETC symbols for hex parm values (SYCTTBL)
IBOPSYS	Table(I)	DE	operating system/monitor global set symbols
ISGDATA	Table(I)	APA	symbolic map areas for ISGMAPS
MMUASM	Table(I)	APM	global set symbolic map type=ASM
MMUCOB	Table(I)	APM	global set symbolic map type=COB
MMUPLI	Table(I)	APM	global set symbolic map type=PLI
MMUTRIS	Table(I)	APM	Translate/test tables for editing routines
PMIUVERB	Table(I)	SEC	COPY list of Front End verbs
SNAPPRMS	Table(I)	SNP	snap areas, EQUates for Snap execution
VTLUCEQU	Table(I)	FEV	equates for command word coding for VTLUCMD

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

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=====
NAME          TYPE          CODE          DESCRIPTION
=====
PMIPCH1      Table(L)    ITU    SYSIN control card for PMIPCH
PMIPRT1      Table(L)    ITU    SYSIN control card for PMIPRT
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RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
ATTOTRS	Utility	DBM	Attach PMITOTRS for TOTAL files backout
AUTORSET	Utility	DBM	Auto-Restart TOTLOGSW file initialization
AUTORSET	Utility	RLC	Auto-Restart STRTUPSW file initialization
BATCHPAK	Utility	ITU	Batch Icom. interface for utility execution
CHANGER	Utility	ITU	create update deck from two module comparisons
COPRE	Utility	APM	add COPY data to Cobol source (pre-compile)
CREATEGF	Utility	APD	preformat BDAM data set-DDQ files
CREATEGF	Utility	DE	preformat BDAM data set (screen file)
CREATEGF	Utility	FEB	preformat BDAM data set (disk Q)
CREATEGF	Utility	FEV	preformat BDAM data set (disk Q)
CREATEGF	Utility	ITU	preformat BDAM data set
CREATEGF	Utility	MCR	preformat BDAM data set-for disk queues
CREATEGF	Utility	PST	preformat BDAM data set-File Handler stats
CREATEGF	Utility	RLC	preformat BDAM data set-checkpoint file
CREATSIM	Utility	FEB	create simulated terminal input messages
CREATSIM	Utility	ITU	create simulated terminal input messages
DDQPRINT	Utility	APD	linked load module to execute DDQPRT (MODREL)
DDQPRT	Utility	APD	DDQ data set print utility
DUMPREST	Utility	APF	linkedited SFDMPRST load module (MODREL)
FDPLOAD	Utility	CMD	load FDP's to BDAM data set from PDS for 3735
FDPLOAD	Utility	FEB	load FDP's from PDS to BDAM data set for 3735
GETMEM	Utility	ITU	ASMF - internal processing (MODREL)
IAIMCOCR	Utility	ITU	COPY code cross-reference printing (MODREL)
IAIMGOC2	Utility	ITU	Global Symbols cross-reference printing (MODREL)
IAIMGOCR	Utility	ITU	Global Symbols cross-reference scan (MODREL)
IAIMMOCR	Utility	ITU	Macros cross-reference printing (MODREL)
IAIMMRF1	Utility	ITU	macro Global and Sequence Symbols scan (MODREL)
IAIMMRF2	Utility	ITU	macro Globals print from Assembly listing (MODREL)
IAIMOPCD	Utility	ITU	character strings and miscellaneous scans (MODREL)
IAIMXRF1	Utility	ITU	Csect Size, Entry Point, Ext. Reference Scan (MODREL)
IAIMXRF2	Utility	ITU	Csect Size, etc. print (MODREL)
ICOMFEOF	Utility	DBM	set EOF for end of TOTAL log after hardware crash
ICOMFEOF	Utility	FH	find end of sequential file after hardware crash
ICOMFEOF	Utility	ITU	find end of file for sequential/log data set
ICOMFEOF	Utility	RLC	set EOF for end of log file after hardware crash
INSORT	Utility	ITU	ASMF-inline sort of several records (MODREL)
INTASMF	Utility	ITU	ASMF-primary processing driver module (MODREL)
INTDEXTR	Utility	DE	extract a batch from batch file
INTDTB01	Utility	DE	Batch file initialization
INTLDFMT	Utility	DE	load screen format descriptors to screen file
IXFCREAT	Utility	FH	recreate file off-line from recovery log (FR)
IXFCREAT	Utility	RLC	recreate file off-line from recovery logging
IXFSNAPL	Utility	RLC	snap file record in error to FRLOG
JULIAND	Utility	RLC	Log Analysis-convert Julian date to Gregorian
KEYCREAT	Utility	APD	pre-format keyed-BDAM data set (QCF file)
KEYCREAT	Utility	APF	preformat keyed-BDAM data set (INTSTORn)
KEYCREAT	Utility	ITU	preformat keyed BDAM data set
LIBCOMPR	Utility	ITU	compare PDS source members
LIBLIST	Utility	ITU	print all source members on a PDS
LOADMAP	Utility	APM	load map(s) from PDS to INTSTORn
LOADMAPS	Utility	APM	linkedited LOADMAP load module (MODREL)
LOGANAL	Utility	RLC	analyze log-produce traffic reports

RELEASE 11 MODULES ON SYMREL AND MODREL-ALPHABETICALLY BY TYPE

NAME	TYPE	CODE	DESCRIPTION
LOGANE15	Utility	RLC	LOGANAL sort exit
LOGHIST	Utility	RLC	Log Analysis-produce histogram
LOGIT	Utility	ITU	ASMF-write a record to SMLOG (MODREL)
LOGMERGE	Utility	RLC	off-line log data sets merge processing
LOGPRINT	Utility	ITU	format and print log records
LOGPRINT	Utility	RLC	format and print log records
LOGRESP	Utility	RLC	Log Analysis-response time stats
LOGRSRPT	Utility	RLC	Log Analysis-print response statistics
LOGSSTAB	Utility	RLC	Log Analysis-generate subsystem codes table
MRBATCH	Utility	MRS	Batch region interface to on-line Intercomm
MULTISPA	Utility	LP	set SPA address for Batch LPM interface
OPSCAN	Utility	ITU	scan, list op codes in BAL program
PMIEXLD	Utility	APO	linkedited PMILOAD load module (MODREL)
PMILOAD	Utility	APO	load tables to DES000/VRB000/RCT000 files
PMITOTRS	Utility	DBM	TOTAL files restore (backout)
PRT1403	Utility	APO	print Batch Report Tables file (E/O)
PRTLOG	Utility	ITU	ASMF-print data on SMLOG (MODREL)
PUTSSI	Utility	ITU	ASMF-write data record to SSIOUT (MODREL)
READD	Utility	ITU	ASMF-BDAM I/O for SMLOG data set (MODREL)
SAME15	Utility	PST	SAM sort exit
SAMREPT	Utility	PST	SAM statistics report processing
SAMRPTIO	Utility	PST	SAM report I/O processing
SECFILE	Utility	SEC	ESS preformat/initialize/enlarge security file
SECUPRNT	Utility	SEC	ESS - Security file print program
SECUPTRS	Utility	SEC	ESS - initialize/display user account record chains
SFDMPRST	Utility	APF	Store/Fetch dump/restore/print utility
SIMCRTA	Utility	ITU	create test mode input messages
SMACCEPT	Utility	ITU	ASMF-process ACCEPT commands (MODREL)
SMAPPLY	Utility	ITU	ASMF-process APPLY commands (MODREL)
SMCOPY	Utility	ITU	ASMF-member copy processing to SM libraries (MODREL)
SMDELET	Utility	ITU	ASMF-process DELETE commands (MODREL)
SMMAIN	Utility	ITU	ASMF-read and check control card/parm syntax (MODREL)
SMREJECT	Utility	ITU	ASMF-process REJECT commands (MODREL)
SMSTAT	Utility	ITU	ASMF-update applied SMS/XMS status tables (MODREL)
SMSTOW	Utility	ITU	ASMF-SM processing-member updates (MODREL)
TOTAREOF	Utility	DBM	TOTAL - recover EOF for TOTAL Log data sets