

ADDRESS LENGTH BINARY CONTROL CARDS.

0	0	IDENT	OPER1
0		END	

ENTRY POINTS.

RW	-	0	ALLOC	-	2	CRCL	-	6	OPERCL	-	12
RO	-	1	READ	-	3	MASTER	-	7			
MYCODE	-	0	CAPOUT	-	4	INTFILE	-	10			
MYSUBP	-	1	RETPAR	-	5	CTEMP	-	11			

EXTERNAL SYMBOLS.

TE:1HR	EC:DSAL	EC:CTIB	EC:CMRO	EC:DSUB	EC:ACAP	EC:COUP	EC:CCLS
TE:10MN	EC:DSOB	EC:SIIB	EC:MDAE	EC:CSUB	EC:ADOP	EC:CIN	EC:TBLK
TE:1MIN	EC:ICLOA	EC:SETP	EC:MMRW	EC:CLKI	EC:ADOR	EC:DCLI	EC:RSHP
TE:10SC	EC:ICHUN	EC:DSSE	EC:MMRO	EC:INTP	EC:DSOP	EC:CCLL	EC:PROB
TE:1SEC	EC:INCM	EC:DSST	EC:REDO	EC:DPRC	EC:MOPR	EC:GVMF	EC:WRIT
TE:10TH	EC:INCR	EC:ESML	EC:RERR	EC:CPRC	EC:DOPR	EC:GVMH	EC:READ
CL:SIZE	EC:IVMT	EC:ESMA	EC:RPAR	EC:BDAT	EC:CPOR	EC:GEVF	EC:MBLK
EC:GRAB	EC:IVCP	EC:DSFM	EC:FBET	EC:EDAT	EC:CCAP	EC:GEVH	EC:DBLK
EC:SCLK	EC:IVSP	EC:DSAM	EC:RTRN	EC:UDAT	EC:MCCA	EC:SEV	EC:OBBLK
EC:TIME	EC:DSAB	EC:ZDAE	EC:JUMP	EC:BCAP	EC:DSCP	EC:DEV	EC:DFIL
EC:IRSTR	EC:DAB	EC:ZRY	EC:FSON	EC:FCAP	EC:ZCAP	EC:GEVC	EC:CFIL
EC:SAVE	EC:CRAB	EC:CHRW	EC:DSSB	EC:UCAP	EC:MCAP	EC:STMP	

IDENT OPER1

* OPER MACRO GETS ECS CALL OPS AND MOVES TO OPERCL

CAPAB	MACRO LOCAL CAPL RMT SX6 SA6 SX6 SA6 XJ RMT ENDM	OPER, LABEL, INAME CAPAB. T, INAME \$T11ECS#LABEL COUTIPL+2 CAPAB COUTIPL+3 COUTIPL
XJ	MACRO VFD ENDM	ADDR 12/0130B, 18/ADDR, 30/0
RWF	ORG BSS	
SYSALL	XTEXT	
SYSSUBP	XTEXT	
* SUBPROCESS HEADER		
0 000000000000000000000001	TYPE NAMES	I CLASS, ROOT, CALL, CL, OPER1, SF, OPER1
2 0314012323000000000000	INTGERS	50, FLDLEN, ENTER, FLDLEN
7 000000000000000000000002		
* MAP DESCRIPTION		
15 23065717200525340000	RW MAP	SF, OPER1, RWF, RWF, RWF, 0
20 03065717200525340000	RO MAP	CF, OPER1, ROF, ROF, ROL, 1
23 77777777777777777777	MAPEND	
* CLIST DESCRIPTION		
24 03065717200525340000	MYCODE CAP	CF, OPER1
25 0314012323000000000000	mysubp CAP	CLASS
26 11570114141703000000	ALLOC CAP	I, ALLOC
27 11572205010400000000	READ CAP	I, READ
30 11570301201725240000	CAPOUT CAP	I, CAPOUT
31 11572205242001220000	RETPAR CAP	I, RETPAR
32 11570303141123240000	CRCL CAP	I, CCLIST
33 11571501232405220000	MASTER CAP	I, MASTER
34 INTFILE CAPBSS	I	MASTER CLIST INTERRUPT OBJ POINTER FILE

35 CTEMP CAPBSS 7
36 OPERCL CAPBSS 7
*
*
*
37 ECSOPS XTEXT
*
*
167 77777777777777777777777777777777
 CAPEND

SCRATCH CAP
OPERATIONS CLIST CAP

170 MASTPTR BSS 7
*
*
*
171 IPLIST BSS 10
*
*

POINTER INTO MASTER C-LIST

203	RWL	BSS	*
203	ROF	BSS	*

203 01300006160000000000	ENTER	XJ	INITSCRF
204 01300006230000000000		XJ	CROPERCL

* CODE FROM RMTS TO MOVE CAPS OUT TO OPERCL

HERE

615 0200000640	JP	RONEXTI	PROCEDE
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616 000000000000000003	INITSCRF	VFD	60/READ
617 000000000000000000		VFD	60/MYCODE
620 000000000000000000		VFD	60/RWE
621 000000000000000000		VFD	60/RWF
622 000000000000000003		VFD	60/RWL-RWF

623 000000000000000006	CROPERCL	VFD	60/CRCL
624 000000000000000002		VFD	60/ALLOC
625 000000000000000012		VFD	60/OPERCL
626 000000000000000000 X		VFD	60/=EXCL:SIZE

627 000000000000000004	COUTIPL	VFD	60/CAPOUT
630 000000000000000012		VFD	60/OPERCL
631 000000000000000000		VFD	60/0
632 000000000000000000		VFD	60/0

633 000000000000000005	RETURN	VFD	60/RETPAR
634 0000000020000000636		VFD	30/2,30/OPERCLNM
635 0000000010000000012		VFD	30/1,30/OPERCL

DATA = NAME OF OPERCL
CAP = CAP FOR OPERCL

636 03145717200522230000	OPERCLNM	VFD	60/0LCL+OPERS
637 00000000000000000000		VFD	60/0

NAME OF OPERATIONS CLIST
END OF RETURN PARAMETERS

MACSET OPERCL,IPLIST,ECS

MACRO CHAN,NAME,INDEX
SX5 X1+INDEX

CAPIN MASTER,X5,CTEMP
 CAPOUT OPERCL,#T:TECH#NAME,*
 ENDM

* MOVE TIMED EVENT CHANNELS INTO OPERATIONS C-LIST

640	DONEXTI	BSS	6	
640 7160000012	CAPIN	MASTER,2,INTFILE	INTERRUPT OBJ POINTER FILE	
647 7160000012	READ	INTFILE,4,MASTPTR,1,FRET		
660 5110000170	SA1	MASTPTR		
660	TIMEVCH	XTEXT		
		LIST	x	
			TIMED EVENT CHANNEL DECLARATIONS	
676 7251000001	7251000000	10TH	CHAN	TIMEVCH
713 7251000002		1SEC	CHAN	TIMEVCH
730 7251000003		10SC	CHAN	TIMEVCH
745 7251000004		1MIN	CHAN	TIMEVCH
762 7251000005		10MN	CHAN	TIMEVCH
		1HR	CHAN	TIMEVCH
			TENTH SECOND	
			ONE SECOND	
			TEN SECONDS	
			ONE MINUTE	
			TEN MINUTES	
			ONE HOUR	
		LIST	LX	
777 0200001001		JP	DONEXTI	PROCEDE
1000 5110377777		FRET	SA1	50 ARITH ERROR

1001	DONEXTI	BSS	6	
1001 01300006330000000000		XJ	RETURN	
1002	ROL	BSS		
1002 FLDLEN		BSS		
0	END			

IPROC SUBPROCESS TO CREATE OPERATIONS CLIST

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42672 STORAGE USED
6600 ASSEMBLY

1601 STATEMENTS
13.494 SECONDS

218 SYMBOLS
586 REFERENCES

000088 INVENTED SYMBOLS

IPROC SUBPROCESS TO CREATE OPERATIONS CLIST
SYMBOLIC REFERENCE TABLE.

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			EXTERNAL*	4/12	5/12	5/24	5/25	5/26	5/27	5/28	5/29
EC:CCAP	0		EXTERNAL*	4/12							
EC:CCL	0		EXTERNAL*	4/12							
EC:CCI'S	0		EXTERNAL*	4/12							
EC:CEVC	0		EXTERNAL*	4/12							
EC:CFIL	0		EXTERNAL*	4/12							
EC:CHUN	0		EXTERNAL*	4/12							
EC:CIIB	0		EXTERNAL*	4/12							
EC:CIIN	0		EXTERNAL*	4/12	5/12						
EC:CLK	0		EXTERNAL*	4/12							
EC:CLGA	0		EXTERNAL*	4/12							
EC:CMRO	0		EXTERNAL*	4/12							
EC:CMRW	0		EXTERNAL*	4/12							
EC:CPOR	0		EXTERNAL*	4/12							
EC:COUT	0		EXTERNAL*	4/12	5/24						
EC:CPRC	0		EXTERNAL*	4/12							
EC:CRAB	0		EXTERNAL*	4/12							
EC:CSUB	0		EXTERNAL*	4/12							
EC:DAB	0		EXTERNAL*	4/12							
EC:DBLK	0		EXTERNAL*	4/12							
EC:DCL	0		EXTERNAL*	4/12							
EC:DEVC	0		EXTERNAL*	4/12							
EC:DFIL	0		EXTERNAL*	4/12							
EC:DOPR	0		EXTERNAL*	4/12							
EC:DPRC	0		EXTERNAL*	4/12							
EC:DSAB	0		EXTERNAL*	4/12							
EC:DSAL	0		EXTERNAL*	4/12							
EC:DSAM	0		EXTERNAL*	4/12							
EC:DSCP	0		EXTERNAL*	4/12							
EC:DSFM	0		EXTERNAL*	4/12							
EC:DSOB	0		EXTERNAL*	4/12							
EC:DSQP	0		EXTERNAL*	4/12							
EC:DSSB	0		EXTERNAL*	4/12							
EC:DSSE	0		EXTERNAL*	4/12							
EC:DSST	0		EXTERNAL*	4/12							
EC:DSUB	0		EXTERNAL*	4/12							
EC:ESMA	0		EXTERNAL*	4/12							
EC:ESML	0		EXTERNAL*	4/12							
EC:FCAP	0		EXTERNAL*	4/12							
EC:FBAT	0		EXTERNAL*	4/12							
EC:FRET	0		EXTERNAL*	4/12							
EC:FSON	0		EXTERNAL*	4/12							
EC:GEVF	0		EXTERNAL*	4/12							
EC:GEVH	0		EXTERNAL*	4/12							
EC:GRAB	0		EXTERNAL*	4/12							
EC:GVMF	0		EXTERNAL*	4/12							
EC:GVMH	0		EXTERNAL*	4/12							
EC:INCM	0		EXTERNAL*	4/12							
EC:INCR	0		EXTERNAL*	4/12							
EC:INTP	0		EXTERNAL*	4/12							
EC:JUMP	0		EXTERNAL*	4/12							
EC:IMBLK	0		EXTERNAL*	4/12							
EC:MCAP	0		EXTERNAL*	4/12							
EC:MCCA	0		EXTERNAL*	4/12							

IPROC SUBPROCESS TO CREATE OPERATIONS CLIST
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ECIMDAE	0	EXTERNAL*	4/12						
ECIMMRO	0	EXTERNAL*	4/12						
ECIMMRW	0	EXTERNAL*	4/12						
ECIMOPR	0	EXTERNAL*	4/12						
ECIMVCP	0	EXTERNAL*	4/12						
ECIMVMT	0	EXTERNAL*	4/12						
ECIMVSP	0	EXTERNAL*	4/12						
ECIPROB	0	EXTERNAL*	4/12						
ECIREAD	0	EXTERNAL*	4/12	5/13					
ECIREDO	0	EXTERNAL*	4/12						
ECIRERR	0	EXTERNAL*	4/12						
ECIRPAR	0	EXTERNAL*	4/12						
ECIRSHP	0	EXTERNAL*	4/12						
ECIRSTR	0	EXTERNAL*	4/12						
ECIRTRN	0	EXTERNAL*	4/12						
ECISAVE	0	EXTERNAL*	4/12						
ECISCLK	0	EXTERNAL*	4/12						
ECISETP	0	EXTERNAL*	4/12						
ECISEV	0	EXTERNAL*	4/12						
ECISIIB	0	EXTERNAL*	4/12						
ECISTMP	0	EXTERNAL*	4/12						
ECITBLK	0	EXTERNAL*	4/12						
ECITIME	0	EXTERNAL*	4/12						
ECIUCAP	0	EXTERNAL*	4/12						
ECIUDAT	0	EXTERNAL*	4/12						
ECIWRIT	0	EXTERNAL*	4/12						
ECIZCAP	0	EXTERNAL*	4/12						
ECIZDAE	0	EXTERNAL*	4/12						
ECIZRM	0	EXTERNAL*	4/12						
ENTER	203		2/36	4/05 L					
FLDLEN	1002		2/36	2/36	5/51 L				
FRET	1000		5/13	5/37 L					
INITSCRF	616		4/05	4/16 L					
INFILE	10		3/01 D	5/12	5/13				
IPLIST	171		3/16 L	4/48					
IP::LIST	171		4/68 D	5/13 S	5/24 S	5/25 S	5/26 S	5/27 S	5/28 S
			5/12 S	5/13 S	5/24 S	5/25 S	5/26 S	5/27 S	5/28 S
			5/12 S	5/13	5/24	5/25	5/26	5/27	5/28
			5/12 S	5/24 S	5/25 S	5/26 S	5/27 S	5/28 S	5/29 S
			5/12 S	5/24 S	5/25 S	5/26 S	5/27 S	5/28 S	5/29 S
			5/12	5/24 S	5/25 S	5/26 S	5/27 S	5/28 S	5/29 S
			5/13 S	5/24 S	5/25 S	5/26 S	5/27 S	5/28 S	5/29 S
			5/13 S	5/24	5/25	5/26	5/27	5/28	5/29
			5/13 S	5/24 S	5/25 S	5/26 S	5/27 S	5/28 S	5/29 S
LICLIST	143		2/36	3/08 D					
LILMAP	2		2/35	2/41 D					
MAPX	2		2/36 D	2/40	2/40	2/41	2/41		
			2/40	2/40 D	2/41	2/41 D			
MASTER	7		2/53 D	5/12	5/24	5/25	5/26	5/27	5/28
MASTPTR	170		3/14 L	5/13	5/14				
MYCODE	0		2/46 D	4/17					
mysubp	1		2/47 D						

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OPERCL	12		3/03 D	4/28	4/48	5/25	5/27	5/29
			4/24	4/34	5/24	5/26	5/28	
OPERCLNM	636		4/33	4/37 L				
OP::1:CL	12		4/48 D	5/12	5/24	5/25	5/26	5/27
			5/11	5/24	5/25	5/26	5/27	5/28
READ	3		2/49 D	4/16				
RETPAR	5		2/51 D	4/32				
RETURN	633		4/32 L	5/47				
RO	1		2/41 D					
ROF	203		2/41	2/41	4/02 L			
ROL	1002		2/41	5/50 L				
RW	0		2/40 D					
RWF	0		2/23 L	2/40	2/40	4/18	4/19	4/20
RWL	203		2/40	4/01 L	4/20			
TE:1HR	0	EXTERNAL*	5/29					
TE:1MIN	0	EXTERNAL*	5/27					
TE:1SEC	0	EXTERNAL*	5/25					
TE:10MN	0	EXTERNAL*	5/26					
TE:10SC	0	EXTERNAL*	5/26					
TE:10TH	0	EXTERNAL*	5/24					