

CREATE GLOBAL DISK SYSTEM PROCESSES STORAGE ALLOCATION.

COMPASS - VER 2.

07/07/71 23.28.35.

PAGE 1

ADDRESS LENGTH BINARY CONTROL CARDS.

0 0 IDENT DISKS
0 END

ENTRY POINTS.

RW	-	0	ALLOC	-	1	FAKELOC	-	4	CTEMP	-	7
RO	-	1	MAST	-	2	MYCODE	-	5	RCAPS	-	10
BEADC	-	0	NEWPROC	-	3	OPERCL	-	6			

EXTERNAL SYMBOLS.

ECIRPAR ECIREAD

```

IDENT      DISKS
ORG        0
PARAMS     XTEXT

*
*
* DISKS.. CREATES DISK SYSTEM GLOBAL PROCESSES BY CALLING BUILDER
*
*
RPARMX     SET      0              INITIALIZE RET PARAM INDEX
*
* MACRO SETS UP RETURN OF A CAPABILITY
*
*
LABEL      MACRO      CAPR,LABEL,DNAME
CAPBSS     1
RMT
DATA      0L,DNAME
RMT
RPARMX     SET      RPARMX+1      INCR RET PARAM INDEX
ENDM

*
*
* MACRO TO BUILD A NEW PROCESS (CALLS BUILDER)
*
*
BLOPROC    MACRO      SUBPFILE,LDN,LDNAMES,LOCAPS,AUTH
CAPAB      0,NEWPROC
DATUM      1,SUBPFILE
BLOCKD     2,LDNAMES,LDN+1
BLOCKC     3,LOCAPS,LDN
SYSCALL    IPLIST,0,AUTH
ENDM

*
*
*
RWF        BSS      0
*
*
SYSSUBP    XTEXT
*
*
* SUBPROCESS HEADER
*
*
TYPE       1
NAMES      CLASS,ROOT,CALL,CL,DISKS,SP,DISKS
INTEGERS   50,FLDLEN,ENTER,FLDLEN
*
*
* MAP DESCRIPTION
*
*
RW         MAP      SF,DISKS,RWF,RWF,RWL,0
RO         MAP      CF,DISKS,ROF,ROF,ROL,1
MAPEND
*
*
* CLIST DESCRIPTION
*
*
*****

```

24	02050104000000000000	BEADC	CAP	BEAD

25	11570114141703000000	ALLOC	CAP	I.ALLOC
26	11571501232405220000	MAST	CAP	I.MASTER
27	02571605272022170300	NEWPROC	CAP	B.NEWPROC

30	11570114141703000000	FAKELOC	CAP	I.ALLOC

31	03065704112313400000	MYCODE	CAP	CF.DISK5
32	03145717200522230000	OPERCL	CAP	CL.OPERS
33		CTEMP	CAPBSS	1
		RCAPS	CAPBSS	0
34	77777777777777777777		CAPEND	
		*		
		*		
		*		
35	00000000000000000005	TCTR	VFD	60/INTERMS
36	00000000000000000005	HCTR	VFD	60/NHELPS
37	00000000000000000001	ACTR	VFD	60/NACCTS
		*		
40		IPLIST	BSSZ	20
64		RWL	BSS	0

MASTER CLIST
CALL ON BUILDER TO CREATE PROCESS

64		ROF	BSS	0	
		*			
		*			
64		SYSCALL	XTEXT		
		*			
			MACSET	OPERCL,IPLIST,ECS	
		*			
		*			
64	00000000000000000000	PROCAUTH	RPAUTH	.(CTEMP,1)	
		*			
		*			
					NAME OF TERMINATOR DESCRIPTOR FILE TO PASS TO BUILDER
		*			
66	16060724052215111600	TERMFIL	VFD	60/0LNF.TERMIN	TERMIN NAME FILE
67	16060710051420052200	HELPFIL	VFD	60/0LNF.HELPER	HELPER NAME FILE
70	16060701030324200000	ACCTFIL	VFD	60/0LNF.ACCTP	ACCOUNTANT NAME FILE
		*			
		*			LIST OF THINGS TO PUT IN LOCAL DIRECTORY OF TERMINATOR PROCESS
		*			
71		LOCALS	BSS	0	
		*			
			VFD	60/0LLCLALLOC	LOCALS ALLOC BLK FOR ACCTP USRDSK
71	14031401141417030000				
72	00000000000000000000		DATA	0	END-MARKER
		*			
		*			ENTER HERE
		*			
73	7160000006	ENTER	READ	MYCODE,RWF,RWF,RWL-RWF,FRET	
		*			
		*			
		*			BUILD FLOATING TERMINATOR PROCESSES
		*			
104	5110000310		SA1	TFLAG	
	0301000120		ZR	X1,TEND	JUMP IF TERMINATORS NOT TO FLOAT
		*			
105	5110000066	TLOOP	SA1	TERMFIL	
		*			
	7160000003		BLDPROC	(,X1),1,LOCALS,FAKELOC,PROCAUTH	
116	5110000035		SA1	TCTR	
	7261777776		SX6	X1-1	
117	54615		SA6	A1	
	0316000105		NZ	X6,TLOOP	
		*			
120		TEND	BSS	0	
		*			
		*			BUILD FLOATING HELPER PROCESSES
		*			
120	5110000311		SA1	HFLAG	
	0301000134		ZR	X1,HEND	JUMP IF HELPER NOT TO FLOAT
		*			
121	5110000067	HLOOP	SA1	HELPFIL	
		*			
	7160000003		BLDPROC	(,X1),1,LOCALS,FAKELOC,PROCAUTH	
132	5110000036		SA1	HCTR	
	7261777776		SX6	X1-1	

133 54615
0316000121

SA6 A1
NZ X6,HLOOP

134

* HEND BSS 0

*

*

* BUILD FLOATING ACCOUNTANT PROCESSES

*

134 5110500312
0301000150

SA1 AFLAG
ZR X1,AEND

JUMP IF ACCOUNTANTS NOT TO FLOAT

135 5110500070

* ALOOP SA1 ACCTFIL

*

7160000003

BLDPROC (.X1),1,LOCALS,FAKELOC,PROCAUTH

146 5110500037

SA1 ACTR

7261777776

SX6 X1-1

147 54615

SA6 A1
NZ X6,ALoop

0316000135

150

* AEND BSS 0

*

* RETURN WITH PARAMETERS TO ADD TO INITIALIZATION DIRECTORY

*

150 5110500157

SA1 DSPEC

SPECIFY DATA PARAMETERS

5120000160

SA2 CSPEC

SPECIFY CAPABILITY PARAMETERS

151 7160000006

RETPAR (.X1),(.X2)

RETURN WITH PARAMETERS

*

* DATA INVOLVED WITH RETURN PARAMETERS

*

157 00000000010000000161

NDATS EQU
DSPEC VFD

RPARMX+1
30,NDATS,30/RNAMES

NO. OF DATA (INCL END MARKER)
DATA SPECIFICATION

*

160 0000000000000000010

NCAPS EQU
CSPEC VFD

RPARMX
30,NCAPS,30/RCAPS

NO. OF CAPS
CAPABILITY SPECIFICATION

*

161

RNAMES BSS 0

LIST OF NAMES

161 0000000000000000000

HERE
DATA 0

END MARKER

*

*

162 0000000000

* PRET PS

*

*

*

310

ORG 200

310 00000000000000000001

* TFLAG DATA 1

DEFAULT = FLOAT

311 00000000000000000001

HFLAG DATA 1

DEFAULT = FLOAT

312 00000000000000000001

AFLAG DATA 1

DEFAULT = FLOAT

*

313 00000000000000000001

DATA 1

HI KARL

374

ROL

BSS

0

END OF READ-ONLY AREA

*

374

FLDLEN

BSS

0

*

0

END

42553

STORAGE USED
6600 ASSEMBLY517 STATEMENTS
7.488 SECONDS148 SYMBOLS
172 REFERENCES

ACCTFIL	70	4/15 L	5/12																	
ACTR	37	3/19 L	5/15																	
AEND	150	5/10	5/20 L																	
AFLAG	212	5/09	5/50 L																	
ALLOC	1	3/04 D																		
ALOOP	135	5/12 L	5/18																	
READC	0	3/02 D																		
PADIX	10	2/44 D	3/04	3/05 D	3/06	3/10	3/11 D	3/12												
		3/02	3/04 D	3/05	3/08	3/10 D	3/11	3/12 D	3/12 D											
		3/02 D	3/04	3/06	3/08 D	3/10	3/12	3/12												
		3/02	3/05	3/06 D	3/08	3/11	3/12 D	3/13												
OSSEC	160	5/25	5/34 L																	
OTEMP	7	3/12 D	4/10																	
PSSEC	157	5/24	5/31 L																	
FCIRREAD	0	EXTERNAL*	4/27																	
FCIRPAR	0	EXTERNAL*	5/27																	
RNTER	73	2/44	4/26 L																	
FAKELOC	4	3/08 D	4/37	4/52	5/15															
FLOLEN	214	2/44	2/44	6/03 L																
FRET	162	4/27	5/41 L																	
HCTR	36	3/18 L	4/52																	
HELPRIL	67	4/14 L	4/49																	
HEND	134	4/47	5/04 L																	
HFLAG	211	4/46	5/49 L																	
HLOOP	121	4/49 L	5/02																	
IPLIST	40	3/21 L	4/06	4/37	4/52	5/15														
IPILIST	40	4/06 D	4/27 S	4/27	4/37 S	4/52 S	5/15 S	5/15 S	5/15 S	5/27 S										
		4/27 S	4/27 S	4/37 S	4/37 S	4/52 S	5/15 S	5/27 S	5/27											
		4/27 S	4/27 S	4/37 S	4/52 S	4/52 S	5/15 S	5/27 S												
LOCALS	71	4/19 L	4/37	4/52	5/15															
LIFLIST	10	2/44	3/13 D																	
LIMAP	2	2/43	2/49 D																	
MADX	2	2/44 D	2/48	2/48	2/49	2/49														
		2/48	2/48 D	2/49	2/49 D															
MAST	2	3/05 D																		
MYCODE	5	3/10 D	4/27																	
NACTS	1	3/19																		
NCAPS	0	5/33 D	5/34																	
NOATS	1	5/30 D	5/31																	
NEWPROC	3	3/06 D	4/36	4/51	5/14															
NHFILES	5	3/18																		
NTERMS	5	3/17																		
OPRCL	6	3/11 D	4/06																	
OPRCL	6	4/06 D	4/26	5/26																
PROCAUTH	64	4/09 L	4/37	4/52	5/15															
RCAPS	10	3/12 D	5/34																	
RNAMES	161	5/31	5/36 L																	
RO	1	2/49 D																		
ROF	64	2/49	2/49	4/01 L																
ROI	214	2/49	6/01 L																	
RPARMX	0	2/09 D	5/30	5/33																
RW	0	2/48 D																		
RWF	0	2/34 L	2/48	2/48	4/27	4/27	4/27													

CREATE GLOBAL DISK SYSTEM PROCESSES
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

07/07/71 23.28.45.

PAGE 8

PWL	64	2/48	3/22 L	4/27
TCTR	35	3/17 L	4/37	
TEND	120	4/32	4/42 L	
TERMFIL	66	4/13 L	4/34	
TFLAG	10	4/31	5/48 L	
TLOOP	105	4/34 L	4/40	