

OPER2  
STORAGE ALLOCATION.

COMPASS - VER 2.

11/03/71 11.33.05.

PAGE 1

ADDRESS LENGTH

0 0  
0

BINARY CONTROL CARDS.

IDENT OPER2  
END

ENTRY POINTS.

RW	-	0	MYCODE	-	0	OPERCL	-	2	USERCL	-	4
RO	-	1	ALLOC	-	1	TEMPCAP	-	3			

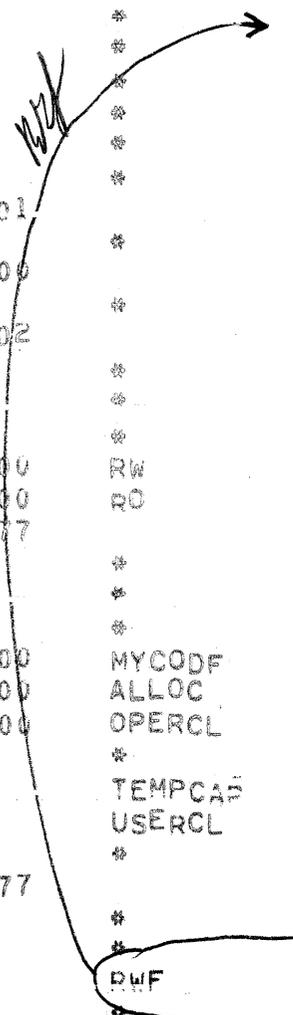
EXTERNAL SYMBOLS.

EC:RPAR	SD:CONV	DF:IXSEC	DF:AUDT	DF:FREZ	DF:FINI	EC:ICOUT
EC:READ	DR:DSTR	DF:FUND	DF:LBUF	DF:CLUP	EC:DSOB	EC:MCAP
DA:STAG	DR:RNOS	DF:DIRT	DF:DACF	DF:MBLK	EC:DSUB	TE:16TH
DA:INCM	DR:GNOS	DF:DEBUG	DF:ARSV	DF:DFIL	EC:TALK	CI:SIZE
DN:CFLG	DR:GNOD	DF:DONE	DF:ABSV	DF:PCFL	EC:ZCAP	EC:CCL
DN:CLAW	DR:GNOD	DF:CFLG	DF:MELT	DF:CFTL	TE:IHR	

```

IDENT      OPER2
*
*
*          CREATE USER OPERATIONS C-LIST
*
*          AN IMAGE OF SYSTEM OPERCL IS CREATED WITH THE
*          OPTION BITS RESTRICTED AND THE PRIVILEGED OPERATIONS
*          OMITTED
*
*
*          SYSSUBP  XTEXT
*
*          OBBITS  XTEXT
*
*          SYSCALL XTEXT
*
*
*          ORG      0
*
*
*          SUBPROCESS HEADER (BUILDER FORMAT)
*
*          TYPE      1
*
*          NAMES     CLASS,ROOT,CALL,CL,OPER2,SF,OPER2
*
*          INTEGERS  50,FLDLEN,ENTER,FLDLEN
*
*          MAP DESCRIPTORS
*
*          RW        MAP      SF,OPER2,RWF,RWF,RWL,0
*          RD        MAP      CF,OPER2,ROF,ROF,ROL,1
*          MAPEND
*
*          C-LIST DESCRIPTOR
*
*          MYCODEF  CAP      CF,OPER2
*          ALLOC    CAP      I,ALLOC  MASTER ALLOCATION BLOCK
*          OPERCL   CAP      CL,OPERS  SYSTEM OPERATIONS C-LIST
*
*          TEMPCAP  CAPBSS   1
*          USERCL   CAPBSS   1
*
*          CAPEND
*
*          RWF      BSS      0

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*
32      IPLIST  BSS      10
*
*
*      MACSET  OPERCL,IPLIST,ECS
*
*
44      RWL    BSS      0
44      RPF    BSS      0
*
*
*      BEGINNING OF CODE
*
44      0130000514  ENTER  SYSCALL  INITSORE,0      INITIALIZE SCRATCH FILE
*
*      CREATE USER OPERATION C-LIST
*
45      7160000002  CRCLIST  ALLOC,USERCL,=XCL:SIZE
*
*      MOVE ALL CAPABILITIES TO NEW C-LIST
*      AND MASK OPTION BITS
*
54      6110000000  SB1      0
          6120000000  SB2      =XTE:INTH
55      7160000002  OPER2A  COPYCAP  (OPERCL,B1),TEMPCAP,OB.ADDOR+OB.CPYOP
65      7160000002  CAPOUT  USERCL,B1,TEMPCAP
74      6111000001  SB1      R1+1      COPY CAPS UNTIL TIMED EVENT
          0515000055  NE      R1,B2,OPER2A  CHANNELS
*
75      6120000000  SB2      =XTE:JHR
76      7160000002  OPER2B  COPYCAP  (OPERCL,B1),TEMPCAP,OB.GETEV+OB.GTEVF
106     7160000002  CAPOUT  USERCL,B1,TEMPCAP
115     6111000001  SB1      R1+1      COPY TIMED EVENT CHANNELS
          0421000076  LE      R1,B2,OPER2B
*
116     6120000000  SB2      =XCL:SIZE
117     7160000002  OPER2C  COPYCAP  (OPERCL,B1),TEMPCAP,OB.ADDOR+OB.CPYOP
127     7160000002  CAPOUT  USERCL,B1,TEMPCAP
136     6111000001  SB1      R1+1
          0515000117  NE      R1,B2,OPER2C  COPY REST OF OPERATIONS
*
*
*      NOW WIPE OUT PRIVLEDGED OPERATIONS
*
137     7160000002  ZEROCAP  TEMPCAP      GET A ZERO CAPABILITY
*
*

```



```

*
*
*
*
514 4000000000 x INITSCR F VFD I/1,29/=XEC:READ,30/OPERCL
      0000000002
515 000000000000000000000000 VFD 60/MYCODF
516 0000000000000000000000032 VFD 60/RWF
517 0000000000000000000000032 VFD 60/RWF
520 0000000000000000000000012 VFD 60/RWL-RWF
*
*
521 4000000000 x RETPARM VFD I/1,29/=XEC:RPAR,30/OPERCL
      0000000002
522 0000000002000000000524 VFD 30/2,30/CLISTNM DATA=NAME OF USER OPER CLIST
523 000000000100000000004 VFD 30/1,30/USERCL CAP = USER OPER C-LIST
*
524 03145725232217200000 CLISTNM VFD 60/OLCL:USROP BUILDER NAME OF USER OPER CLIST
525 000000000000000000000 VFD 60/0 FLAG FOR BUILDER
*
*
*
526 ROL BSS 0
526 FLDLEN BSS 0
*
*
*
0 END

```

43240

STORAGE USED  
6600 ASSEMBLY

1704 STATEMENTS  
11.893 SECONDS

150 SYMBOLS  
489 REFERENCES

OPER2  
SYMBOLIC REFERENCE TABLE.

ALLOC	1		2/44 D	3/25					
CAPX	5		2/33 D	2/43	2/44	2/45	2/47	2/48	
			2/43	2/44	2/45	2/47	2/48	2/49	
			2/43 D	2/44 D	2/45 D	2/47 D	2/48 D		
CLISTNM	524		5/15	5/18 L					
CL:SIZE	0	EXTERNAL*	3/25	3/47					
DA:INCM	0	EXTERNAL*	4/43						
DA:STAG	0	EXTERNAL*	4/44						
DF:ABSV	0	EXTERNAL*	4/24						
DF:APSV	0	EXTERNAL*	4/25						
DF:AUDT	0	EXTERNAL*	4/28						
DF:CFIL	0	EXTERNAL*	4/17						
DF:CFLG	0	EXTERNAL*	4/29						
DF:CLUP	0	EXTERNAL*	4/21						
DF:DACF	0	EXTERNAL*	4/26						
DF:DBUG	0	EXTERNAL*	4/31						
DF:DFIL	0	EXTERNAL*	4/19						
DF:DIRT	0	EXTERNAL*	4/32						
DF:DONE	0	EXTERNAL*	4/30						
DF:FINI	0	EXTERNAL*	4/16						
DF:FREZ	0	EXTERNAL*	4/22						
DF:FUND	0	EXTERNAL*	4/33						
DF:LBUF	0	EXTERNAL*	4/27						
DF:MBLK	0	EXTERNAL*	4/20						
DF:MELT	0	EXTERNAL*	4/23						
DF:PCFL	0	EXTERNAL*	4/18						
DF:XSEC	0	EXTERNAL*	4/34						
DN:CFLE	0	EXTERNAL*	4/42						
DN:CLAW	0	EXTERNAL*	4/41						
DR:DSTR	0	EXTERNAL*	4/39						
DR:GNOD	0	EXTERNAL*	4/26						
DR:GNOD	0	EXTERNAL*	4/25						
DR:GNOS	0	EXTERNAL*	4/27						
DR:RNOS	0	EXTERNAL*	4/35						
EC:CCL	0	EXTERNAL*	3/25						
EC:COU	0	EXTERNAL*	3/32	4/15	4/20	4/25	4/30	4/35	4/40
			3/38	4/16	4/21	4/26	4/31	4/36	4/41
			3/44	4/17	4/22	4/27	4/32	4/37	4/42
			4/12	4/18	4/23	4/28	4/33	4/38	4/43
			4/14	4/19	4/24	4/29	4/34	4/39	4/44
EC:DSOB	0	EXTERNAL*	4/15						
EC:DSUB	0	EXTERNAL*	4/14						
EC:MCA	0	EXTERNAL*	3/31	3/37	3/43	4/49			
EC:READ	0	EXTERNAL*	5/05						
EC:RPAR	0	EXTERNAL*	5/13						
EC:TBLK	0	EXTERNAL*	4/12						
EC:ZCAP	0	EXTERNAL*	3/52						
ENTER	44		2/33	3/20 L					
FLOLEN	526		2/33	2/33	5/24 I				
INITSCR	514		3/20	5/05 L					
IPLIST	32		3/02 L	3/05					

OPER2  
SYMBOLIC REFERENCE TABLE.

IP:LIST 32

3/25 D	3/43 S	4/15 S	4/20	4/26 S	4/31 S	4/36 S	4/41 S
3/25 S	3/43 S	4/15 S	4/21 S	4/26 S	4/31 S	4/36 S	4/41 S
3/25 S	3/43 S	4/16 S	4/21 S	4/26 S	4/31 S	4/36 S	4/41 S
3/25 S	3/43 S	4/16 S	4/21 S	4/26 S	4/31 S	4/37 S	4/42 S
3/25 S	3/43 S	4/16 S	4/21 S	4/26 S	4/32 S	4/37 S	4/42 S
3/25 S	3/44 S	4/16 S	4/21 S	4/27 S	4/32 S	4/37 S	4/42 S
3/31 S	3/44 S	4/16 S	4/22 S	4/27 S	4/32 S	4/37 S	4/42 S
3/31 S	3/44 S	4/17 S	4/22 S	4/27 S	4/32 S	4/37 S	4/42 S
3/31 S	3/44 S	4/17 S	4/22 S	4/27 S	4/32 S	4/38 S	4/42 S
3/31 S	3/44 S	4/17 S	4/22 S	4/27 S	4/33 S	4/38 S	4/42 S
3/31 S	3/44 S	4/17 S	4/22 S	4/28 S	4/33 S	4/38 S	4/42 S
3/31 S	3/52 S	4/17 S	4/22 S	4/28 S	4/33 S	4/38 S	4/42 S
3/32 S	3/52 S	4/17 S	4/23 S	4/28 S	4/33 S	4/38 S	4/42 S
3/32 S	3/52 S	4/18 S	4/23 S	4/28 S	4/33 S	4/38 S	4/42 S
3/32 S	4/12 S	4/18 S	4/23 S	4/28 S	4/33 S	4/39 S	4/42 S
3/32 S	4/12 S	4/18 S	4/23 S	4/28 S	4/34 S	4/39 S	4/42 S
3/32 S	4/12 S	4/18 S	4/23 S	4/29 S	4/34 S	4/39 S	4/42 S
3/37 S	4/12 S	4/18 S	4/24 S	4/29 S	4/34 S	4/39 S	4/42 S
3/37 S	4/12 S	4/19 S	4/24 S	4/29 S	4/34 S	4/39 S	4/42 S
3/37 S	4/14 S	4/19 S	4/24 S	4/29 S	4/34 S	4/40 S	4/42 S
3/37 S	4/14 S	4/19 S	4/24 S	4/29 S	4/35 S	4/40 S	4/42 S
3/37 S	4/14 S	4/19 S	4/24 S	4/30 S	4/35 S	4/40 S	4/42 S
3/38 S	4/14 S	4/19 S	4/24 S	4/30 S	4/35 S	4/40 S	4/42 S
3/38 S	4/14 S	4/20 S	4/25 S	4/30 S	4/35 S	4/40 S	4/42 S
3/38 S	4/15 S	4/20 S	4/25 S	4/30 S	4/35 S	4/41 S	4/42 S
3/38 S	4/15 S	4/20 S	4/25 S	4/30 S	4/36 S	4/41 S	4/42 S
3/38 S	4/15 S	4/20 S	4/25 S	4/31 S	4/36 S	4/41 S	4/42 S

L:CLIST 5  
L:LMAP 2  
MAPX 2  
  
MYCODEF 0  
OB.ADDOR 8  
OB.CPYOP 40  
OB.CPYOT 10  
OB.GETEV 10  
OB.GTEVF 20  
OPERCL 2  
OPER2A 55  
OPER2B 76  
OPER2C 117  
OP:CL 2

2/33	2/49 D						
2/32	2/38 D						
2/33 D	2/37	2/37	2/38	2/38			
2/37	2/37 D	2/38	2/38 D				
2/43 D	5/07						
3/31	3/43						
3/31	3/43						
4/29							
3/37							
3/37							
2/45 D	3/05	3/31	3/37	3/43	5/06	5/14	
3/30 L	3/33						
3/36 L	3/39						
3/42 L	3/45						
3/05 D	3/42	4/15	4/21	4/27	4/33	4/39	
3/24	3/43	4/16	4/22	4/28	4/34	4/40	
3/30	3/51	4/17	4/23	4/29	4/35	4/41	
3/31	4/11	4/18	4/24	4/30	4/36	4/42	
3/36	4/13	4/19	4/25	4/31	4/37	4/43	
3/37	4/14	4/20	4/26	4/32	4/38	4/48	
4/52	5/13 L						
2/38 D							
2/38	2/38	3/10 L					
2/38	5/23 L						
2/37 D							
2/37	2/37	2/52 L	5/08	5/09	5/10		
2/37	3/09 L	5/10					

RETPARM 521  
RO 1  
ROF 44  
ROL 526  
RW 0  
RWF 32  
RWL 44

OPER2  
SYMBOLIC REFERENCE TABLE.

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SD:CONV	0	EXTERNAL*	4/40								
TE:1HR	0	EXTERNAL*	3/35								
TE:10TH	0	EXTERNAL*	3/29								
USERCL	4		2/48 D	4/12	4/18	4/23	4/28	4/33	4/38	4/43	
			3/25	4/14	4/19	4/24	4/29	4/34	4/39	4/44	
			3/32	4/15	4/20	4/25	4/30	4/35	4/40	4/45	
			3/38	4/16	4/21	4/26	4/31	4/36	4/41	4/46	
			3/44	4/17	4/22	4/27	4/32	4/37	4/42	5/16	
			3/31	3/44	4/16	4/21	4/26	4/31	4/36	4/41	
			3/32	3/52	4/17	4/22	4/27	4/32	4/37	4/42	
			3/37	4/12	4/18	4/23	4/28	4/33	4/38	4/43	
			3/38	4/14	4/19	4/24	4/29	4/34	4/39	4/44	
			2/47 D	3/43	4/15	4/20	4/25	4/30	4/35	4/40	

