

ADDRESS LENGTH BINARY CONTROL CARDS.

0 746 IDENT CREATE
746 END

ENTRY POINTS.

DESTROY - 553 DISKFIND - 673 CREATE - 0

EXTERNAL SYMBOLS.

OPERCL	TEMP0	ERRPACK	DBW	UNLOCKRW	M.RETRY	M.10SEC	FR.ROOT
IPLIST	TEMP1	STKBUF	GETRESP	DELCLAM	M.CLOSE	GF.LEN	FR.CLAM
FR.DDS	TEMP2	SETPCNT	TR.DRIV	RELEASE	M.TVRES	GF.SUSF	FR.MEMP
M.DESTI	TEMP3	DISKENT	TR.LEVL	FRW	M.HELP	GF.SUSL	FHRADDR
COMMROF	TEMP4	DISKERR	BLK.SIZ	MAKEMAP	M.SWAR	GF.IOTF	FILEADD
COMMROI	TEMP5	DISKINT	BLK.DTY	LOADBUF	M.ABFCH	GF.IOTL	LEFTFREE
COMMRWF	TEMP6	FRWENT	BLK.FLG	AUDIT	M.ABFIL	GF.DDSF	LFHADDR
COMMRWL	TEMP7	FRWERR	SW.SW	NOOLOCK	M.ACRES	GF.DDSL	DARADDR
HOLDRLK	TEMP8	FRWINT	SW.DDS	PROBE	M.ACRES	GF.DATF	PAGESW
LOCTAR	TEMP9	ENTER	PG.PG	PETCLK	M.USRCC	GF.DATL	MAPBUF
LOCTARF	TEMP10	CLKBUF	PG.DDS	SYSERR	M.FRWCC	GF.APTF	SIZES
LOCTARI	TEMP11	DSYSTIM	PG.DTY	FRETURN	M.TRMCC	GF.APTL	SIZE
LFT	TEMPA	DSWPTIM	PTR.PTR	RETURN	M.CLOCC	GF.HSHF	NUMRESP
FLOLEN	TEMPB	DUSRTIM	PTR.DDS	RETPAR	M.ACTCC	FHRHASH	CREATER
USERRWF	TEMPC	MYSCRF	PTR.CM	ERRPARM	M.TRYCC	DARHASH	CREBLKP
USERRWI	TEMPO	MYCODE	PTR.DTY	ERRFILE	M.DFILT	GF.HSHL	DELRLKP
DATMAP	TEMPE	MYSUBP	PTR.NUM	ERRALOC	M.DOBJS	GF.TRVF	OPENR
TERMRWL	TEMPF	MYEVCH	CREBLK	ERRMAP	NOBJS	FHB	ATTACHR
TERMROF	TEMPG	READCAP	DELBLK	CALBEAD	M.BFILE	FR.LEN	DETACHR
TERMRWF	TEMPI	WRITCAP	OPEN	REGS	M.DDREO	FR.NAME	ZROMAPP
CLOSRLF	TEMPJ	SAVEREG	ATTACH	D.ENTRY	M.DDRSP	FR.WD3	CHMAPR
CLOSRLW	TEMPK	RESTREG	DETACH	D.FNAME	M.RBUFS	FR.SHAP	CHMAPB1
CLOSROF	TEMPL	MAINCL	CONVERT	DRUG1	M.WBUFS	FR.FIND	SETUPR
READRWF	TEMPM	FILCL	SETUP	DSKLCK	M.SLOTS	FHR	CREATBI
READRWL	TEMPN	SLEEP	DECODE	DRUG2	M.LOCKS	FR.LEN	CLOSER
READONF	MYIDENT	MYRESP	CRELFH	M.AUTH	NLOCKS	FR.NAME	MOVBLKP
READONL	MYDAR	RESP	OPENDAR	M.MKCAP	M.DDSCT	FR.WD1	CREPTRR
HENTRY	MYUNIT	GFILE	PRVOPEN	REDSHR	M.FHRL	FR.WD2	DORESPR
DENTRY	MYSWOCC	HFILE	MKPTR	GDSKHDR	M.DARL	FR.WD3	ERRNUM
ORGADDR	DDSIPL	FILECAP	DSPTR	FDSKHDR	M.HASHL	FR.SUSP	ERRCLAS
ORGCLST	IOTIPL	CTEMP	CLOSE	GDSKPTR	M.ADOS	FR.LOCK	TABADDR
ORGMAP	HASHIPL	UDSKSCR	ECLOSE	FDSKPTR	M.ASUSP	FR.DAR	ECISTMP
INTDAT	SUSPIPL	BFILE	DARSPA	GDSKDAT	M.ADISK	FR.OPEN	ECICIN
AP0	DATIPL	DRSP	ZEROMAP	FDSKDAT	M.SDISK	FR.CAPX	ECIMCAP
AP1	APTIPL	RBUFS	CHMAP	GETDSK	M.FDISK	FR.DRSZ	ECIWRIT
AP2	RETPARM	RETRY	CLODAR	FREEDSK	M.FCLEV	FR.ONEL	ECICBLK
AP3	RETRR	SLOTS	HASH	RUSYDSK	M.UNAME	FR.FROZ	ECICOUT
AP4	PASSERR	HBR	DELHASH	L.MNCL	M.USCTR	FR.WRIT	ECICFIL
AP5	USRPACK	HBW	EXCLAIM	M.GFILE	M.OPCL	FR.SIZE	ECISEV
AP6	IOTBUF	PBR	SHCLAIM	M.HFILE	M.IOCTR	FR.SHAP	ECIDSCP

CREATE / DESTROY DISK FILE
STORAGE ALLOCATION.

COMPASS - VER 2. 03/25/71 03.22.27.

PAGE 2

AP7	PROCADR	DBW	LOCK	M.FILCL	M.TWAIT	FR.FUND	EC:GEVH
AP8	ERRADDR	DBR	UNLOCK	M.EMPTY	M.CLTIM	FR.FLAG	

CREATE / DESTROY DISK FILE

COMPASS - VER 2.

03/25/71 03.22.27.

PAGE 3

IDENT

CREATE

*

```

*
*
0      PARAMS  XTEXT
0      MACROS  XTEXT
0      SYSCALL XTEXT
*
          EXT      OPERCL,IPLIST
          MACSET   OPERCL,IPLIST,ECS
0      BEADTST  XTEXT
0      ERRORS   XTEXT
0      TYPES    XTEXT
0      ORBITS   XTEXT
*
          EXT      FR,DDS,M,DESTL

```

*PAGE

CREATE...CREATE...CREATE

CREATE DISK FILE

NOTES:

A) POSSIBLE CALLER ERRORS

- 1) NUM OF LEVELS = 0
- 2) TOO MANY LEVELS
- 3) DATA BLOCK SIZE NEGATIVE
- 4) DATA BLOCK SIZE TOO SMALL (NUM LEVELS > 0)
- 5) DATA BLOCK SIZE TOO LARGE
- 6) SHAPE NUM NOT POWER OF 2
- 7) SHAPE NUM NEGATIVE OR TOO SMALL
- 8) SHAPE NUM TOO LARGE

B) CALL TO #SYSERR#

- 1) DDS FULL
- 2) DISK FULL
- 3) FOUND FILE W/ SAME UNIQUE NAME
- 4) DISK SYS FILE C-LIST FULL

C) THE ORDER OF SIGNIFICANT ACTIONS (I.E. NOT EASILY REVERSIBLE OR SUBJECT TO FAILURE)

- 1) GET SLOT IN DISK SYS FILE C-LIST
- 2) COMPUTE FILE SHAPE
- 3) OPEN DAR
- 4) ACCOUNT DISK SPACE; FIXED ECS SPACE
- 5) GET UNIQUE NAME
- 6) ALLOCATE DISK SPACE FOR HEADER BLK
- 7) ALLOCATE FHR IN DDS
- 8) CREATE ECS FILE
- 9) UNLOCK FHR
- 10) CONSTRUCT LFT ENTRY FOR FILE

ON ENTRY: B1 = PTR TO PARAMETER LIST
P0: ACCOUNTING RECORD NAME
P1: NUMBER OF LEVELS IN NEW FILE
P2: FIRST SHAPE NUMBER
P2+NUMLEV: DISK ADDR & UNIQUE NAME FOR
PRIVLEDGED CREATE
P2+NUMLEV+1: PRIVLEDGED CREATE FLAG

B7 = RETURN LINK

ON EXIT: X6 = UNIQUE NAME / DISK ADDR OF NEW FILE
#FILECAP# = OPEN WRITE CAPABILITY FOR
NEW FILE

REGISTERS USED: ALL

ROUTINES CALLED: #HASH#, #OPENDIR#, #GETDSK#,
#CRELFH#, #UNLOCK#, #MKPTR#, #DARSPA#

TEMPORARIES USED: #CREATER#, #TEMP4#

LOCKS USED: #(MAINCL,M.FCLEV)#, #UNIQUE#,
#(MAINCL,M.FHRL)

PARAMETER INDICES

0	P0	EQU
1	P1	EQU
2	P2	EQU

0	76770	76610	5170000000 X	CREATE
1	5160000000 X			

SX7	B7
SX6	B1
SA7	CREATER
SA4	CREATRI

SAVE RETURN LINK
SAVE PARAMETER POINTER

10	73570	0305000406 +	7140000000 X
11	7160000000 X		
17	7266776040		
20	73470	0316000370 +	7160000000 X

GETEVH
SX5
ZR
DISPCAP
SX6
NZ
SX4
SENDEV

GET C-LIST SLOT
(MAINCL,M.FCLEV)
X7
X5,CREATE32
(FILCL,X5)
X6=T.CLSCD
X6,CREATE24
X7
(MAINCL,M.FCLEV),X4

PTR TO FREE C-LIST SLOT
UP IF C-LIST FULL

CONSISTANCY CHECK
C-LIST FREE LINK MUST BE CLSCD
PTR TO NEXT FREE SLOT

32 43601
20637
12665
33 5160000000 X

MX6
LX6
BX6
SA6

COMPLETE #FR,CAPX # IN FHR

1
1+30
X6+X5
FR,CAPX

OPEN COUNT # 1

34 0305000374 +
625777776
35 6131000002
6142777765
36 0640000401 +

SA5
ZR
SB2
SB3
SB4
GE

BEGIN TO CHECK AND DECODE SHAPE INFO

R1+P1
Y5,CREATE26
Y5-1
R1+P2
R2=NUMLEV+1
R4,B0,CREATE27

NUMBER OF LEVELS
ERROR.. NUM LEVELS = 0
ADDR OF 1ST SHAPE NUM
ERROR..TO MANY LEVELS

37 0301000400 +
5110000000 X

SA1
ZR

CHECK FOR FREE ABR

40 5011000002
0331000042 +
41 0311000040 +
0200000377 +

SA1
SA1
NG
NZ
JP

CHECK FOR ROOM IN LFT
LFT-2
A1+2
X1,CREATE0A
X1,CREATE0
CREATE26A

JP IF EMPTY SPACE
LOOP
ERROR..LFT FULL

42 0420000122 +

EQ

JP IF ZERO LEVEL FILE

PROCESS SHAPE NUMBERS FOR MULTI-LEVEL
FILE

R1= PTR TO PARAMETERS
R2= NUMBER OF LEVELS TO GO
R3= POINTER OF FIRST SHAPE NUM
R4= DISTANCE (BITS) TO SA
X5= SHAPE BYTES

43 0304000403 +
0334000403 +
44 27404
24454
43615
15446
45 0314000404 +

SA4
ZR
NG
PX4
NX4
MX6
BX4
NZ

PROCESS DATA BLOCK SIZE

R3+R2
X4,CREATE29
X4,CREATE29
X4,B0
X4,B5
12+1
X6+X4
X4,CREATE30

DATA BLOCK SIZE
ERROR..NEGATIVE DATA BLOCK SIZE
ERROR..DATA BLK SIZE NOT POWER
OF 2

46 7256000057
63450

SX6
SX5
SB4

LOG2 (DATA BLOCK SIZE)

*I only check
on one level file*

47 7265777771
7275777770
50 0337000403 +
7275777765
51 0327000405 +

SX6
SX7
NG
SX7
PL

X5=6
X5=7
Y7.CREATE29
Y5=10
Y7.CREATE31

DATA BLOCK SIZE CODE
ERROR..DATA BLOCK TOO SMALL(<128)
ERROR..DATA BLOCK TOO LARGE

*
*
*

CONSTRUCT *FR*FLAG *; ETC.

20403
52 7266000004
20444
56430
53 73742
7277000000 X
12667
54 20622
43773
37667
55 5160000000 X

LX6
SX6
LX6
SA4
SX7
SX7
BX6
LX6
MX7
IX6
SA6

3
Y6+4
36
03
Y4+R2
X7+FR.LEN
Y6+X7
18
09
X6=X7
FR.FLAG

SET OPEN WRITE
NUM DATA BLKS = 0
FIXED ECS = NUM LEVELS + 50 + 4

DISK SPACE = 1 SECTOR
(↑FR.FLAG ↑ = ↑FR.SIZE ↑)

*
*
*
*
*

PROCESS REST OF SHAPE NUMBERS AND FORM
SHAPE WORD

56 6122777775
0420000057 +
57 56432
0334000403 +
60 0304000403 +
27404
24454
61 43615
15446
77605
62 0314000404 +
7266000057
63 7276777767
0327000405 +
64 7276777774
0337000403 +
65 20504
12556
63464
66 0200000056 +

CREATE1

SB2
EQ
SA4
NG
ZR
PX4
NX4
MX6
BX4
SX6
NZ
SX6
SX7
PL
SX7
NG
LX5
BX5
SB4
JP

R2=1
R2,80.CREATE2
R3+R2
Y4.CREATE29
X4.CREATE29
Y4,80
Y4,85
1+12
X6=X4
85
Y4.CREATE30
X6+47
Y6=8
X7.CREATE31
X6=3
X7.CREATE29
4
Y5+X6
R4+X6
CREATE1

DECREMENT LEVEL COUNT
JP IF DOWN TO LAST SHAPE NUM
NEXT SHAPE NUMBER
ERROR..NEGATIVE SHAPE NUMBER
ERROR..SHAPE NUM NOT POWER OF 2
(LOG2 (SHAPE NUM))
ERROR..SHAPE NUM TOO LARGE(>128)
ERROR..SHAPE NUM TOO SMALL(<8)
ADD SHAPE BYTE TO SHAPE WORD
INCR DISTANCE (BITS) TO S0

*
*
*
*

PROCESS 1ST SHAPE NUMBER (S0)

67 5143000000
0334000403 +
70 0304000403 +
7264777576
71 0326000405 +
20406
76640

CREATE2

SA4
NG
ZR
SX6
PL
LX4
SX6

R3+0
X4.CREATE29
Y4.CREATE29
Y4=129
X6.CREATE31
4
R4

1ST SHAPE NUM (S0)
ERROR..NEGATIVE SHAPE NUMBER
ERROR..S0 TOO LARGE
DISTANCE TO S0

CREATE / DESTROY DISK FILE
CREATE DISK FILE

COMPASS - VER 2.

03/25/71-03.22.29.

PAGE 8

72 727677774
0327000402 +
73 12664
20654
12656
74 5160000000 Y
12666
75 5160000000 Y

SX7
PL
BX6
LX6
BX6
SA6
BX6
SA6
X6-30
Y7.CREATE28
X6+X4
60-6-10
Y5+X6
FR.SHAP
X6-X6
TEMP4

ERROR..FILE TOO LARGE
CONSTRUCT REST OF SHAPE WORD

HEADER BLOCK SIZE CODE (44 WDS)

*
*

COMPUTE AMT OF DDS TO ALLOCATE

76 43712
11675
20612
43771

SA5
MX7
BX6
LX6
MX7
BX7
AX6
ZR
SX6
SB6
MX7
FR.SHAP
T0
Y7+X5
T0
40-3
-X7+X4
3
Y7.CREATE2A
X6+1
X6+1
40-4

50

DDS SPACE FOR HEADER BLK

77 15767
21603
0307000101 +
100 7266000001
101 6266000001
43770

CREATE2A

*

102 15657
6276777774
21504

CREATE2B

BX6
SB7
AX6
BX6
ZR
SX6
LX6
SB6
SB6
JP
-X7+X5
Y6-3
4
-X7+X5
Y6.CREATE2C
1
Y6+87
86+X6
86+1
CREATE2B

86 = NUM DDS RECORDS STANDARD
STANDARD ALLOCATION IS
ENOUGH TO ATTACH ANY ONE BLK

103 15657
0306000106 +
104 7160000001
22676
63666
105 6166000001
0200000102 +

CREATE2C

SA5
MX6
LX6
BX6
SX6
LX6
BX6
SA6
FR.DDS
T5
T5+15
-X6+X5
86
T5
Y5+X6
45

106 5150000000 X
43617
20636
107 15556
75660
20617
12656
110 54650

*
*
*
*

ACCOUNT FOR DISK AND FIXED ECS SPACE
CALL LOCAL SUBROUTINE

111 0200000330 +
6170000112 +

SB7
JP
CREATE3
CREATE17

CREATE ZERO LEVEL POINTER BLOCK
PARAMETER POINTER
NUMBER OF LEVELS
1ST SHAPE NUMBER

112 5140000000 X
5234000001
113 5244000002

CREATE3

SA4
SA3
SA4
CREATEB1
Y4+P1
Y4+P2

CREATE / DESTROY DISK FILE
CREATE DISK FILE

COMPASS - VER 2.

03/25/71 03.22.30.

PAGE 10

63540
114 7120002400
20260
115 7233777775
0303000117 +
116 43601
12226

SB5	X4
SX2	2400B
LX2	60-12
SX3	X3-2
ZR	X3-CREATE4
MX6	1
BX2	X2+X6

NON EXIST DATA BLK CODE

```
INITIALIZE PTR BLK WITH DATA
DATA BLOCK POINTERS IF TWO LEVEL
```

FILE. OTHERWISE PTR BLK POINTERS

117 6160000121 +
0200000000 X

*
CREATE4 SB6
JP

```

120 01000000000 v
121 51600000000 x
                                0200000143 +

```

*
*
RJ SYSTEM
SA6 ER ROOT
LP CREATOR

SPACE SHOULD BE RESERVED
STORE POINTER BLOCK POINTER IN
FHR

122 56430
7264000000 X
123 0334000403 +
0304000403 +
124 27606
24656
43715
15767

CREATE	SA4	B3
	EX6	X4*FR.LEN
	NG	X4*CREATE29
	ZR	X4*CREATE29
	PX6	X6*BO
	NX6	X6*BS
	MX7	12*1
	BX7	-X7*X4

DATA BLOCK SIZE
LEADER BLOCK SIZE ON DISK
ERROR, .NEGATIVE DATA BLOCK SIZE

125 77605
7266000051
126 0307000127 +
7266000001
127 0326000130 +
7160000000

CREATE7	SX6	-85
	SX6	X6+47-6
	ZR	X7, CREATE7
	SX6	X6+1
	PL	X5, CREATE8
	SX6	

HEADER BLOCK SIZE CODE (ALMOST)
INCR HEADER BLK SIZE CODE IF
PRESENT IN HEADER BLOCK SIZE

130 7276777773 0327000405 +
131 5160000000 x

```

CREATER      SX7          X6-4.
              PL          K7,CREATER31
              SA6         TEMP4

```

SMALL HEADER BLOCK

TROR. - HEADER BLK TOO LARGE
HEADER BLOCK SIZE CODE

73740
20762

SX7
LX7
SA7

Y4
20-10
FR. SHAP

CONSTRUCT SHAPE WORD
DATA BLOCK SIZE (50)

133 20722 43373 7170000044

SX7	44B
LX7	18
MX3	59
IX7	X7-X3
LX7	18
SX3	X4-FB.LEN
BX7	X7+X3
SA3	SIZES+X6

CONSTRUCT #FR, FLAG #, ETC
ZERO LEVEL AND OPEN WRITE

NUM DATA BLOCKS →

FIXED ECS NEEDED

SIZE OF HEADER BLK (WDS)

Huebs
plus 2
fit back 12 all over

SP1
ER

CREATE9
X1, creat 26B

check for free LFT slot for ABR for one level file

PROCESS SHAPE NUMBER FOR ZERO LEVEL FILE

Full

ECS = data blk
size + file
descriptor + allocate
words for bool
descriptor and
data block!

21322
73330
136 20722
12773
5170000000 X

AX3
SX3
LX7
BX7
SA7
T8
X3
T8
X7+X3
FR.FLAG

NUM OF SECTORS ON DISK

137 7160001001
20650
140 5160000000 X

SX6
LX6
SA6
T0018
X0-12
FR.ROOT

MAKE DATA BLOCK POINTER
DATA BLK PTR (ATTACH = 1)

STORE POINTER IN FHR

141 43617
20636
15656
54650
5150000000 X

SA5
MX6
LX6
BX6
SA6
FR.DDS
T5
T5+T5
X6+X5
T5

INITIALIZE FR.DDS

142 6170000143
0200000330 *

SB7
JP
CREATED
CREATE17

ACCOUNT DISK AND FIXED ECS SPACE

143 5110000000 X
5251000016
144 0305000150 *

CREATED
SA1
SA5
ZR
CREATED1
X1+P2+NUMLEV+1
X5+CREATE10

RECOVER PARAMETER BASE
CHECK PRIV CREATE FLAG
SKIP ON REGULAR CREATE

145 5111000015
5140000000 X
146 20144
43772
11171
12114
147 20130
0200000170 *

SB1
SA1
SA4
LX1
MX7
BX7
BX1
LX1
JP
X1
P1+P2+NUMLEV
TEMP4
60-24
60-2
X7+X1
X1+X4
T4
CREATE11

PRIV CREATE..FIX UP FR.NAME
UNIQUE NAME AND DISK ADDR
HEADER BLK SIZE CODE

150 7160000000 X
156 10177
43673

CREATE10
GETEVH
BX1
MX6
IX5
SENDEV
SA4
LX1
BX1
LX1

REGULAR CREATE..
FIX UP FR.NAME

157 7160000000 X
166 5140000000 X
20102
12114
167 20130

IX5
SENDEV
SA4
LX1
BX1
LX1
X1-X6
X1+X5
TEMP4
T4
X1+X4
T4

STORE NEW UNIQUE NAME
HEADER BLK SIZE CODE

170 5150000000 X
43744 10611
171 5160000000 X
15557 11671
172 12665
54650

CREATE11

SA5
MX7
BX6
SA6
BX5
BX6
BX6
SA6

FR.MEMB
60-24
X1
FR.NAME
X7+X5
X7+X1
X6+X5
A5

FIX UP FR.MEMB AND STORE
FR.NAME

173 6150000000 X
6160000176 *

SB4
SB5
CALLX

FR.FHRL
FHRHASH
HASH=SB,CREATE11A

HASH TO ALLOCATE FHR

175 0200000437 *

JP

CREATE38

OUT OF DDS

176 0450000371 *

CREATE11A

EQ
BX6
SA6

RS=BO,CREATE25
X5
FHRADDR

*CONSISTANCY CHECK

177 5160000000 X

200 20144
43772

SA1
LX1
MX7
BX4

FR.NAME
60-24
60-2
X7+X1

LEADER BLK SIZE CODE

201 5244000000 X

SA4
AX4
LX1

SIZES+X4
18
24

NUMBER OF SECTORS

202 43744 20130

MX7
BX5
XR

60-24
X7+X1
X6+CREATE11C

SKIP IF REGULAR CREATE

0305000206 *

203 6160000205 *

CALLX

BUSYDCK=SB,CREATE11B

BUSY DSK FOR PRIV
FILE CREATE

204 5110000000 X

SA1
JP

FR.NAME
CREATE12

PRIV CREATE GOOD UP

205 0100000000 X

CREATE11B

RJ

SKERR

206 6170000210 *

CREATE11C

CALLX

GOSKHOR=ST,CREATE11D

207 0100000000 X

RJ

SKERR

DISK FULL

210 5110000000 X

CREATE11D

SA1
BX1

FR.NAME
X1+X6

(X6 = DISK ADDR)

12116

211 5150000000 X

CREATE12

SA5

FHRADDR

PUT DAR ADDR IN FHR AND WRITE OUT FHR

```

CREATOR          RECOVER RETURN LINK
FR.NAME          RETURN UNIQUE NAME/ DISK ADDR
X4
X5
B7

```

CREATE / DESTROY DISK FILE
CREATE DISK FILE

COMPASS - VER 2.

03/25/71 03.22.31.

PAGE 13

327 00000000000002000317

*
*
*
CREATE16 VFD
DAE+OB.TRDB

FORBIDDEN OPTIONS

AO/OB.DSTRY+OB.CHNAM+OB.CREBL+OB.DELBL+OB.PLMAP+OB.F

SUBROUTINE USED ONLY BY #CREATE#
ACTION IS: 1) OPEN DAR; 2) ACCOUNT FOR
DISK SPACE; 3) ACCOUNT FOR FIXED ECS SPACE

B7 = RETURN LINK

330	5111000000	43652	15616	CREATE17	SA1	B1+P0	UNIQUE NAME OF DISK ACCOUNTING
					MX6	60-18	RECORD (DAR)
331	5160000000	X			BX6	X6*X1	(SAVE ONLY LOWER 18 BITS IF NEG)
					SA6	FR.FUND	
332	0200000000	X	6160000334 +		SB6	CREATE18	
					JP	OPENDAR	OPEN DISK ACCOUNTING RECORD
333	0200000441	+			JP	CREATE39	LOUSEY DAR NUMBER
334	5150000000	X		CREATE18	SA5	FR.SIZE	
			6140000002		SB4	R.DISK	
335	5140000000	X	63340		SA4	DARADDR	↑DARADDR↑ SET BY ↑OPENDAR↑
			63550		SB3	X4	
336	6160000340	+			SB5	X5	
					CALLX	DARSPA,B6,CREATE19	
337	0200000422	+			JP	CREATE35	INSUFFICIENT DISK SPACE
							ACCOUNT FIXED ECS SPACE
340	5150000000	X	21522	CREATE19	SA5	FR.SIZE	
			63550		AX5	18	
341	5150000000	X			SB5	X5	AMT OF FIXED ECS SPACE
			6140000001		SA5	MYDAR	INDICATE FIXED ECS SPACE
342	63350				SB4	B.FXECS	
			6160000345 +		SB3	X5	
343	0200000000	X			SB6	CREATE20	
					JP	DARSPA	
344	0200000424	+			JP	CREATE36	INSUFFICIENT FIXED SPACE
							ALLOCATE DBS FOR FILE
345	5140000000	X	21417	CREATE20	SA4	FR.DDS	
			43655		AX4	15	
346	15446				MX6	60-15	
			0304000365 +		BX4	X6*X4	
347	7160000000	X			ZR	X4,CREATE21	
355	37474				GETEVH	(MAINCL,M.DDSCT)	
			0334000426 +		IX4	X7-X4	
356	7160000000	X			NG	X4,CREATE37	
					SENDEV	X4	

ACCOUNT FOR FILE

CREATE / DESTROY DISK FILE
CREATE DISK FILE

COMPASS - VER 2.

03/25/71 03.22.32.

PAGE 15

365 5140000000 X
63340

366 6140000003
6150000001

367 66670

*

CREATE21

SA4
SB3
SB4
SB5

DARADDR
X4
R-FILE
1

ADDRES OF OWNING DAR

1 FILE

CALLX

DARSPA,B6,B7

ACCOUNT FOR FILE AND RETURN

*

*

*

*

4
1
5

373 0100000000 x

CREAT2RB RJ

```

SYSERR      FILE C-LIST ALLOCATION SCREWED
SYSERR      DUPLICATE UNIQUE NAME
SYSERR      SWAPPED ALLOC EXAUSTED
SYSERR      ALLOCATOR

```

*** ERRORS ***

406 7160000000 X
417 7160000043
0200000420 +

CREATES2 SENDEV
SX6
JP

(MAINCLM.FCLEV) .0
F.FULL
CREATE34

LARGE DATA BLOCK SIZE
LARGE SHAPE NUM

420 5160000000 X
6170000000 X
421 0200000505 +

CREATE34 SA6
SB7
JP

ERRNUM
ERRFILE
CREAT40D

422 7160000004
5160000000 X
423 6170000000 X
0200000503 +

CREATE35 SX6
SA6
SB7
JP

E.NODSK
ERRNUM
ERRALOC
CREAT40C

INSUFFICIENT DISK SPACE

424 7160000001
5160000000 X
425 6170000000 X
0200000476 +

CREATE36 SX6
SA6
SB7
JP

E.NOECSS
ERRNUM
ERRALOC
CREAT40B

INSUFFICIENT ECS SPACE

426 10477
7160000000 X
435 7160000025
5160000000 X
436 6170000000 X
0200000471 +

CREATE37 BX4
SENDEV
SX6
SA6
SB7
JP

X7
X4
E.NODDS
ERRNUM
ERRALOC
CREAT40A

NO DDS FOR FILE

437 7160000025
5160000000 X
440 6170000000 X
0200000443 +

CREATE38 SX6
SA6
SB7
JP

E.NODDS
ERRNUM
ERRALOC
CREATE40

NO DDS FOR FHR

441 7160000000
5160000000 X
442 6170000000 X
0200000505 +

CREATE39 SX6
SA6
SB7
JP

E.NOABLK
ERRNUM
ERRALOC
CREAT40D

NO SUCH DAR

creat39A SX6 E.NODDS
SA6 Errnum
SB7 erraloc
JP creat40D

no DDS for DAR

443 5150000000 X
0325000446 +
444 21530
73550
6160000446 +

CREATE40 SAS
PL
AX5
SX5
CALLX

FR.ROOT
X5.CREAT40Q
X4
X5
DSPTR,B6,CREAT40Q

ERROR RECOVERY SEQUENCE
ERRNUM IS SET ALREADY
B7 = ERROR EXIT LINK
IF NOT ONE LEVEL FILE
MUST RETURN ROOT LEVEL
PTR BLOCK

446 5150000000 X
21517
43655

CREAT40Q SAS
AX5
MX6

FR.DDS
15
60-15

RETURN DDS SPACE

CREATE / DESTROY DISK FILE
CREATE DISK FILE

COMPASS - VER 2.

03/25/71 03.22.33.

PAGE 18

447 15556
7160000000 X
456 36557
7160000000 X

BX5
GETEVH
IX5
SENDEV
-X6+X5
(MAINCL,M.DDSCT)
X5+X7
**X5

*
*
*

DECR FILE COUNT IN DAR

465 5140000000 X
63340
466 6140000000
6150777776
467 61600000471 +

SA4
SB3
SB4
SB5
CALLX
DARADCR
X4
D-FILE
=1
DARSPA,B6,CREAT40A

*
*
*

REFUND FIXED ECS

470 0100000000 X
471 5140000000 X
5150000000 X
472 63340
21522
63550
67505
473 6140000001
61600000476 +

*
*
*
CREAT4AA

RJ
SA4
SAS
SB3
AX5
SB5
SB5
SB4
CALLX
DYSERR
DARADCR
FR.SIZE
X4
18
X5
=B5
D-FIXECS
DARSPA,B6,CREAT40B

*
*
*

REFUND DISK SPACE

475 0100000000 X
476 5140000000 X
5150000000 X
477 63340
21522
63550
67505
500 6140000002
61600000503 +

*
*
*
CREAT4AB

RJ
SA4
SAS
SB3
AX5
SB5
SB5
SB4
CALLX
DYSERR
DARADCR
FR.SIZE
X4
18
X5
=B5
D-DISK
DARSPA,B6,CREAT40C

*
*
*

CLOSE DAR

502 0100000000 X
503 5110000000 X
61600000505 +

*
*
*
CREAT4AC

RJ
SA1
CALLX
DYSERR
DARADCR
CLODAR,B6,CREAT40D

*
*
*

RETURN *FILCL* SLOT

505 5150000000 X
43655
15556
506 7160000000 X
515 7160000000 X
523 73470
7160000000 X
532 7160000000 X

*
*
*
CREAT4AD

SAS
MX6
BX5
CAPIN
GETEVH
SX4
SETEMP
CAPOUT
FR.CAPX
80-15
-X6+X5
FILCL,B0,FILECAP
(MAINCL,M.FCLEV)
X7
FILECAP,FILECAP,X4
FILCL,X5,FILECAP

CREATE / DESTROY DISK FILE
CREATE DISK FILE

COMPASS - VER 2.

03/25/71 03.22.33.

PAGE 19

541 7160000000 x

SENDEV (MAINCL.M.FCLEV).x5

552 0270000000

JP 27

END CREATE...END CREATE...END CREATE

ENTRY	DESTROY	DESTROY	DESTROY
553 5130000000 X 6170000856 *	DESTROY	SA3 SB7 JP	SET CAP INDEX
554 0200000673 *			LOCATE AND LOCK FILE
555 0200000662 *		JP	FILE NOT LOCALLY OPEN
556 5140000000 X 20436 43655	DESTROY1	SA4 LX4 MX6 BX4 SX4 NZ	CHECK FOR GLOBAL OPEN COUNT .GT. 1
557 15446 7244777776			
560 0314000664 *			
561 20404 5140000000 X		SA4 LX4 NG	CHECK FOR FROZEN
562 43672 15226 5222000000 X		SA2 LX2 MX6 BX2 SA2 SX2 BX1	TEMP WIRED OUT
563 73220 13111			PREPARE TO ACCUMULATE AMT OF SWAPPED EGS TO REFUND
564 5160000000 X 43514		SX6 SA6 MX5 SA4 LX4	SCAN ABR LIST FOR BLOCKS IN MAP
565 5043000001 20422			ADDR OF LFH MASK SET UP ADDR OF 1ST ABR

566	0200000571 +		JP	DESTROY3	
567	53440		DESTROY2	SA4	X4
	11654			BX6	X5=X4
	0316000666 +		NZ	Y6, DESTROY10	1ST WD OF ABR
570	36112		IX1	X1+X2	UP IF BLOCK IN MAP
571	20452		DESTROY3	LX4	INCR SWAP ECS TO RETURN
	73440		SX4	40-18	
	0314000567 +		NZ	X4, DESTROY2	ADDR OF NEXT ABR
572	10611		BX6	X1	LOOP TO END OF LIST
	5160000000 X		SA6	TEMP0	AMT OF SWAP ECS TO RETURN
		*			
		*		RELEASE ABR LIST	
		*			
573	5023000001		SA2	X3+1	
	73320		SX3	X2	
574	0303000602 +		ZR	X3, DESTROY5B	UP IF NO ABR LIST
	10633		BX6	X3	ADDR OF 1ST ABR
		*			
575	53560		DESTROY4	SA5	FIX UP ABR LIST
	20552		LX5	X6	
	73650		SX6	40-18	
576	0306000600 +		ZR	X5	
	54650		SA6	X6, DESTROY5	UP IF END OF LIST
577	0200000575 +		JP	A5	
		*		DESTROY4	
600	5140000000 X		DESTROY5	SA4	SET LAST ABR POINTING TO
	10644		BX6	IFTFREE	OLD FREE LIST
	54650		SA6	X4	
601	10633		BX6	A5	
	54640		SA6	X3	ALTFREE+ POINT TO HEAD
		*		A4	OF ABR LIST
		*			
602	43601		DESTROYB	MX6	FREE LFH ENTRY
	54630		SA6	A3	
		*			
			SAH	FR. flag	
			NG	X4, destroy C	
		*		REFUND FIXED AND SWAPPED ECS SPACE	
		*			
603	63520		SA2	TEMP0	
	67505		SB5	X2	NUM WORDS ATTACHED
	5140000000 X		SB5	SB5	
604	63340		SA4	MYDAR	
	6140000000		SB3	X4	
605	6160000607 +		SB4	D, SWECS	REFUND SWAPPED ECS
	0200000000 X		SB6	DESTROY6	
		*	JP	DARSPA	
		*			
		*			
606	0100000000 X		RJ	SYSERP	
607	5140000000 X		DESTROY6	SA4	FR.SIZE
		*			REFUND FIXED ECS SPACE

21422
63540
610 67505 5140000000 X
63340
611 6140000001 6160000614 *
612 0200000000 X
613 0100000000 X
614 5140000000 X 43617 20655
15746 54740 20617 11664
616 0316000672 * 5140000000 X
617 7160000000 X
632 7160000000 X
640 7160000000 X
646 10577 7160000002 20666
647 12446 7160000000 X
661 0200000000 X

AX4 T8
SB5 X4
SB5 -B5
SA4 MYDAR
SB3 X4
SB4 P.FXEC5
SB6 DESTROY7
JP DARSPA
RJ SYSERR
SA4 FR.OPEN
MX6 T5
LX6 T5+30
BX7 -X6#X4
SA7 A4
LX6 T5
BX6 X6#X4
NZ X6.DSTROY11
SA4 FHRADD
WRDDS X4+2.FHR+2.FP.LEN-2
RESERVE AND CALL A HELPER AND THEN EXIT
GETEVH (MAINCL.M.DESTL) RESERVE FILE DESTRUCTION
GETEVH (MAINCL.M.HELP)
BX5 X7
SX6 P.DSTROY
LX6 36+18
BX4 X4+X6
SENDEV (SLEEP,X5)。(X4)
JP RETURN
EXIT

* INDICATE PENDING CLOSE
* OWNING DAR
SA4 FR.DAR
AX4 36
SB3 X4
SB4 R.PEND
SB5 1
CALLX DARSPA, B6
* UPDATE AFHR IN
* FOR HELPER
NOTE: MUST BE INSTA
SIMULTANEOUSLY WITH
CHANGE TO HELPER PG

jm

662 7160000025

5160000000 X

DESTROY8

SX6

ERRORS **

F.NODFIL

FILE NOT LOCALL OPEN

SA6

FRRNUM

663 0200000000 X

JP

FRRFILE

664 7160000034

5160000000 X

DESTROY9

SX6

F.TMOPN

GLOBAL OPEN COUNT .NE. 0

SA6

FRRNUM

665 6160000000 X

SB6

FRRFILE

0200000000 X

JP

UNLOCK

666 5054000001

20522

DESTROY10

SA5

A4+1

BLOCK IN MAP...ADDR BLOCK ADDR
TO ERROR NUMBER

LX5

18

667 7160000002

12665

SX6

F.INMAPS

BX6

Y6+X5

670 5160000000 X

SA6

FRRNUM

5160000000 X

SB6

FRRFILE

671 0200000000 X

JP

UNLOCK

672 0100000000 X

DESTROY11

RJ

SYSERR

FILE IS FROZEN

SEARCH LOCAL FILE TABLE


```

737 5130777775 x
      43447
740 5033000002 DSKFIND2 SA3      IFT=2
      0303000745 +      MX4      39
741 13637      SA3      A3+2
      11664      ZR      X3,DSKFIND4      IP IF END OF TABLE
      0316000740 +      BX6      Y3=X7
      0316000740 +      BX6      X6=X4
      0316000740 +      NZ      X6,DSKFIND2      LOOP IF NO COMPARE
*
*
742 0270000000      JP      R7      A3 = LEFT ADDR **
*
*      RETURN SUCCESS
*
743 6140000000 x DSKFIND3 S84      FILE NOT GLOBALLY OPEN
      6150000000 X      S85      M.FHRL      DELETE HASH TAB ENTRY
744 6167777776      S86      FHRHASH      (X1 = DISK FILE UNIQUE NAME )
      0200000000 X      JP      R7-1
      0200000000 X      DELHASH      RETURN FAILURE
*
*
745 6167777776 DSKFIND4 S86      FILE NOT LOCALLY OPEN
      0200000000 X      JP      R7-1      UNLOCK FILE AND RETURN
      0200000000 X      UNLOCK      FAILURE
*
*
746      SYMBOLS      XTEXT
*
*
746      END

```

42671

STORAGE USED
6600 ASSEMBLY

3984 STATEMENTS
24.990 SECONDS

751 SYMBOLS
630 REFERENCES

000025 INVENTED SYMBOLS

CREATE / DESTROY DISK FILE
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

03/25/71 03.22.38.

PAGE 26

APTIPL	0	EXTERNAL*				
AP0	0	EXTERNAL*				
AP1	0	EXTERNAL*	20/22			
AP2	0	EXTERNAL*				
AP3	0	EXTERNAL*				
AP4	0	EXTERNAL*				
AP5	0	EXTERNAL*				
AP6	0	EXTERNAL*				
AP7	0	EXTERNAL*				
AP8	0	EXTERNAL*				
ATTACH	0	EXTERNAL*				
ATTACHR	0	EXTERNAL*				
AUDIT	0	EXTERNAL*				
BFILE	0	EXTERNAL*				
BLK.DTY	0	EXTERNAL*				
BLK.FIG	0	EXTERNAL*				
BLK.SIZ	0	EXTERNAL*				
BUSYDSK	0	EXTERNAL*	11/27			
CALBEAD	0	EXTERNAL*				
CHMAP	0	EXTERNAL*				
CHMAPR1	0	EXTERNAL*				
CHMAPR	0	EXTERNAL*				
CLKBUF	0	EXTERNAL*				
CLODAR	0	EXTERNAL*	18/43			
CLOSE	0	EXTERNAL*				
CLOSER	0	EXTERNAL*				
CLOSROF	0	EXTERNAL*				
CLOSRRF	0	EXTERNAL*				
CLOSRWL	0	EXTERNAL*				
COMMROF	0	EXTERNAL*				
COMMROL	0	EXTERNAL*				
COMMRRF	0	EXTERNAL*				
COMMRL	0	EXTERNAL*				
CONVERT	0	EXTERNAL*				
CREATE1	0	EXTERNAL*	5/43 S	8/51	10/29	12/18
CREATE	0	PROGRAM*	5/40 L			
CREATER	0	EXTERNAL*	5/42 S	12/49		
CREATE0	40	PROGRAM*	6/23 L	6/25		
CREATE0A	42	PROGRAM*	6/24	6/28 L		
CREATE1	56	PROGRAM*	7/24 L	7/43		
CREATE10	150	PROGRAM*	10/31	10/45 L		
CREATE11	170	PROGRAM*	10/42	11/03 L		
CREATE12	211	PROGRAM*	11/39	11/53 L		
CREATE13	313	PROGRAM*	12/28	12/36 L		
CREATE14	314	PROGRAM*	12/36	12/40 L		
CREATE15	315	PROGRAM*	12/40	12/44 L		
CREATE16	327	PROGRAM*	12/44	13/04 L		
CREATE17	350	PROGRAM*	8/47	10/23	14/09 L	
CREATE18	334	PROGRAM*	14/14	14/18 L		
CREATE19	340	PROGRAM*	14/23	14/28 L		
CREATE2	67	PROGRAM*	7/25	7/47 L		
CREATE2A	101	PROGRAM*	8/18	8/20 L		
CREATE2B	102	PROGRAM*	8/23 L	8/32		

CREATE / DESTROY DISK FILE
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

03/25/71 03.22.38.

PAGE 27

CREATE20	106	PROGRAM*	8/27	8/34 L					
CREATE20	345	PROGRAM*	14/34	14/41 L					
CREATE21	345	PROGRAM*	14/45	15/02 L					
CREATE24	370	PROGRAM*	5/51	16/04 L					
CREATE25	371	PROGRAM*	11/20	16/06 L					
CREATE26	374	PROGRAM*	6/12	16/15 L					
CREATE27	401	PROGRAM*	6/16	16/30 L					
CREATE28	402	PROGRAM*	8/02	16/33 L					
CREATE29	403	PROGRAM*	6/43	7/04	7/28	7/40	9/24	16/36 L	
			6/44	7/27	7/39	7/40	9/25		
CREATE3	112	PROGRAM*	8/46	8/51 L					
CREATE30	404	PROGRAM*	6/49	7/34	16/39 L				
CREATE31	405	PROGRAM*	7/06	7/37	7/51	9/37	16/42 L		
CREATE32	406	PROGRAM*	5/48	16/46 L					
CREATE34	420	PROGRAM*	16/25	16/31	16/37	16/43	16/51 L		
			16/28	16/34	16/40	16/40			
CREATE35	422	PROGRAM*	14/25	17/03 L					
CREATE36	424	PROGRAM*	14/48	17/09 L					
CREATE37	426	PROGRAM*	14/48	17/15 L					
CREATE38	437	PROGRAM*	11/18	17/23 L					
CREATE39	441	PROGRAM*	14/17	17/29 L					
CREATE4	117	PROGRAM*	9/05	9/09 L					
CREATE40	443	PROGRAM*	17/26	17/45 L					
CREATE5	121	PROGRAM*	9/09	9/13 L					
CREATE6	122	PROGRAM*	6/28	9/22 L					
CREATE7	127	PROGRAM*	9/32	9/34 L					
CREATE8	130	PROGRAM*	9/34	9/36 L					
CREATE9	143	PROGRAM*	9/14	10/22	10/29 L				
CREAT11A	176	PROGRAM*	11/16	11/20 L					
CREAT11B	205	PROGRAM*	11/36	11/40 L					
CREAT11C	206	PROGRAM*	11/33	11/43 L					
CREAT11D	210	PROGRAM*	11/43	11/46 L					
CREAT25A	372	PROGRAM*	16/08 L						
CREAT25B	373	PROGRAM*	16/10 L						
CREAT26A	377	PROGRAM*	6/26	16/24 L					
CREAT26B	400	PROGRAM*	6/19	16/27 L					
CREAT40A	471	PROGRAM*	17/20	18/12	18/17 L				
CREAT40B	476	PROGRAM*	17/12	18/24	18/29 L				
CREAT40C	503	PROGRAM*	17/06	18/36	18/41 L				
CREAT40D	505	PROGRAM*	16/21	16/53	17/32	18/42	18/46 L		
CREAT40Q	446	PROGRAM*	17/46	17/49	17/51 L				
CREBLK	0	EXTERNAL*							
CREBLKR	0	EXTERNAL*							
CRELFH	0	EXTERNAL*	12/41						
CREPTRR	0	EXTERNAL*							
CTEMP	0	EXTERNAL*							
DARADDR	0	EXTERNAL*	12/06	14/20	15/02	18/00	18/17	18/29	18/41
DARHASH	0	EXTERNAL*							
DARSPA	0	EXTERNAL*	14/24	14/35	15/08	18/13	18/25	18/37	21/48
DAT IPL	0	EXTERNAL*							
DATMAP	0	EXTERNAL*							
DBR	0	EXTERNAL*							
DRUG1	0	EXTERNAL*							

CREATE / DESTROY Disk FILE
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

03/25/71 03.22.39.

PAGE 28

DRUG2	0	EXTERNAL*							
DRW	0	EXTERNAL*							
DDRSP	0	EXTERNAL*							
DDSIPL	0	EXTERNAL*	12/03 S	12/03 S	12/11	22/21 S	24/42 S	24/42 S	
			12/03 S	12/03	22/21 S	22/21 S	24/42 S	24/42	
			12/03 S	12/11 S	22/21 S	22/21	24/42 S		
DECODE	0	EXTERNAL*							
DELBLK	0	EXTERNAL*							
DELBLKR	0	EXTERNAL*							
DELHASH	0	EXTERNAL*	25/18						
DENTRY	0	EXTERNAL*							
DESTROY	553	PROGRAM*	20/20 E	20/22 L					
DESTROY1	556	PROGRAM*	20/23	20/27 L					
DESTROY2	567	PROGRAM*	21/03 L	21/09					
DESTROY3	571	PROGRAM*	21/01	21/07 L					
DESTROY4	575	PROGRAM*	21/21 L	21/26					
DESTROY5	600	PROGRAM*	21/24	21/28 L					
DESTROY6	607	PROGRAM*	21/47	21/53 L					
DESTROY7	614	PROGRAM*	22/07	22/11 L					
DESTROY8	642	PROGRAM*	20/26	23/04 L					
DESTROY9	664	PROGRAM*	20/32	23/09 L					
DETACH	0	EXTERNAL*							
DETACHR	0	EXTERNAL*							
DISKENT	0	EXTERNAL*							
DISKERR	0	EXTERNAL*							
DISKINT	0	EXTERNAL*							
DORESPR	0	EXTERNAL*							
DSK FIND	673	PROGRAM*	20/24	24/23 E	24/25 L				
DSK FIND1	704	PROGRAM*	24/29	24/38 L					
DSK FIND2	740	PROGRAM*	25/04 L	25/08					
DSK FIND3	743	PROGRAM*	24/38	25/15 L					
DSK FIND4	745	PROGRAM*	24/46	25/05	25/22 L				
DSKLCK	0	EXTERNAL*							
DSPTR	0	EXTERNAL*	17/50						
DSTROY10	666	PROGRAM*	21/05	23/15 L					
DSTROY11	672	PROGRAM*	22/18	23/24 L					
DSTROY58	602	PROGRAM*	21/18	21/35 L					
DSWPTIM	0	EXTERNAL*							
DSYSTIM	0	EXTERNAL*							
DUSRTIM	0	EXTERNAL*							
D.ENTRY	0	EXTERNAL*							
D.FNAME	0	EXTERNAL*							
ECLOSE	0	EXTERNAL*							
EC:CBLK	0	EXTERNAL*	12/32						
EC:CFIL	0	EXTERNAL*	12/22						
EC:CIN	0	EXTERNAL*	18/50	24/51					
EC:COU	0	EXTERNAL*	12/27	19/01					
EC:DSCP	0	EXTERNAL*	5/50	24/26	24/52				
EC:GEVH	0	EXTERNAL*	5/47	10/46	12/02	14/47	18/03	18/51	22/26
EC:MCAP	0	EXTERNAL*	12/47						22/27
EC:SEV	0	EXTERNAL*	6/01	12/12	16/47	18/05	22/32		
			10/50	14/50	17/17	19/02			
EC:STMP	0	EXTERNAL*	18/53						

CREATE / DESTROY DISK FILE
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

03/25/71 03.22.39.

PAGE 29

EC:WRIT	0	EXTERNAL*	12/33					
ENTER	0	EXTERNAL*						
ERRADDR	0	EXTERNAL*						
ERRALOC	0	EXTERNAL*	17/05	17/11	17/19	17/25	17/31	
ERRCLAS	0	EXTERNAL*						
ERRFILE	0	EXTERNAL*	16/52	23/06	23/11	23/20		
ERRMAP	0	EXTERNAL*						
ERRNUM	0	EXTERNAL*	16/19 S	17/04 S	17/18 S	17/30 S	23/10 S	
			16/51 S	17/10 S	17/24 S	23/05 S	23/19 S	
ERRPACK	0	EXTERNAL*						
ERRPARM	0	EXTERNAL*	16/20					
EXCLAIM	0	EXTERNAL*						
E.BIGFIL	12		16/33					
E.BIGSIZ	10		16/42					
E.FULL	43		16/47					
E.INMAPS	2		23/17					
E.LLEV	24		16/40					
E.NABR	26		16/57					
E.NEGPAR	0		16/15					
E.NEGSIZ	7		16/46					
E.NOARK	0		17/29					
E.NODDS	25		17/17	17/23				
E.NODFIL	25		23/04					
E.NODSK	4		17/03					
E.NOECs	1		17/09					
E.NOLFH	41		16/24					
E.NOTPOW	11		16/29					
E.IMOPN	34		23/09					
FB.FUND	0	EXTERNAL*						
FB.LEN	0	EXTERNAL*	7/14	9/23	9/51			
FB.NAME	0	EXTERNAL*						
FB.SHAP	0	EXTERNAL*						
FB.WD3	0	EXTERNAL*						
FDSKDAY	0	EXTERNAL*						
FDSKHDR	0	EXTERNAL*						
FDSKPTR	0	EXTERNAL*						
FHS	0	EXTERNAL*						
FHR	0	EXTERNAL*	12/13	22/21	24/42			
FHRADDR	0	EXTERNAL*	11/22 S	11/53	22/19	24/40 S		
FHRHASH	0	EXTERNAL*	11/15	24/28	25/16			
FILCL	0	EXTERNAL*	5/50	12/27	18/50	19/01	24/51	
FILEADR	0	EXTERNAL*						
FILECAP	0	EXTERNAL*	12/22	12/32	12/47	18/50	18/53	24/51
			12/27	12/33	12/47	18/53	19/01	24/52
FLDLEN	0	EXTERNAL*						
FREEDSK	0	EXTERNAL*						
FRETURN	0	EXTERNAL*						
FRW	0	EXTERNAL*						
FRWENT	0	EXTERNAL*						
FRWERR	0	EXTERNAL*						
FRWINT	0	EXTERNAL*						
FR.CAPX	0	EXTERNAL*	6/07 S	12/23	18/46	24/47		
FR.CLAM	0	EXTERNAL*	12/14 S					

CREATE / DESTROY DISK FILE
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

03/25/71 03.22.39.

PAGE 30

FR.DAR	0	EXTERNAL*	12/05					
FR.DBSZ	0	EXTERNAL*						
FR.DDS	0	EXTERNAL*	8/34	10/14	14/41	17/51		
FR.FLAG	0	EXTERNAL*	7/19 S	10/05 S	12/27	20/34	20/38	
FR.FROZ	0	EXTERNAL*						
FR.FRZF	4		20/25					
FR.FUND	0	EXTERNAL*	14/12 S					
FR.LEN	0	EXTERNAL*	22/21	24/42				
FR.LOCK	0	EXTERNAL*						
FR.MEMB	0	EXTERNAL*	11/03					
FR.NAME	0	EXTERNAL*	11/06 S	11/24	11/38	11/46	12/04 S	12/50
FR.ONEL	0	EXTERNAL*						
FR.OPEN	0	EXTERNAL*	20/27	22/11	24/42			
FR.ROOT	0	EXTERNAL*	9/13 S	10/11 S	17/45			
FR.SHAP	0	EXTERNAL*	8/06 S	8/11	9/43 S			
FR.SIZE	0	EXTERNAL*	14/18	14/28	18/18	19/30	21/53	
FR.SUSP	0	EXTERNAL*						
FR.SZFG	1		20/29					
FR.WD1	0	EXTERNAL*						
FR.WD2	0	EXTERNAL*						
FR.WD3	0	EXTERNAL*						
FR.WRIT	0	EXTERNAL*						
GDSKDAT	0	EXTERNAL*						
GDSKHDR	0	EXTERNAL*	11/44					
GDSKPTR	0	EXTERNAL*						
GETDSK	0	EXTERNAL*						
GETRESP	0	EXTERNAL*						
GFILE	0	EXTERNAL*						
GF.AP+P	0	EXTERNAL*						
GF.APTL	0	EXTERNAL*						
GF.DATF	0	EXTERNAL*						
GF.DATL	0	EXTERNAL*						
GF.DDSF	0	EXTERNAL*	12/43	22/21	24/42			
GF.DDSL	0	EXTERNAL*	12/43	22/21	24/42			
GF.HSHF	0	EXTERNAL*						
GF.HSHL	0	EXTERNAL*						
GF.IOTF	0	EXTERNAL*						
GF.IOTL	0	EXTERNAL*						
GF.LEN	0	EXTERNAL*						
GF.SUSF	0	EXTERNAL*						
GF.SUSL	0	EXTERNAL*						
GF.TRVF	0	EXTERNAL*						
HASH	0	EXTERNAL*	11/17	24/30				
HASHIPL	0	EXTERNAL*						
HBR	0	EXTERNAL*						
HBW	0	EXTERNAL*						
HENTRY	0	EXTERNAL*						
HFILE	0	EXTERNAL*						
HOLDBLK	0	EXTERNAL*						
INTDAY	0	EXTERNAL*						
IOTBUF	0	EXTERNAL*						
IOTIPL	0	EXTERNAL*						
IPLIST	0	EXTERNAL*	4/08					

CREATE / DESTROY DISK FILE
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

03/25/71 03.22.39.

PAGE 31

IP:LIST	0	EXTERNAL*	4/08 D	10/50 S	12/22	12/33 S	16/47 S	18/50 S	19/01 S	22/32 S
			5/47 S	10/50 S	12/27 S	12/33	16/47 S	18/50 S	19/01	22/32
			5/47 S	10/50	12/27 S	12/47 S	16/47	18/50	19/02 S	24/26 S
			5/47	12/02 S	12/27 S	12/47 S	17/17 S	18/51 S	19/02 S	24/26 S
			5/50 S	12/02 S	12/27 S	12/47 S	17/17 S	18/51 S	19/02 S	24/26
			5/50 S	12/02	12/27	12/47 S	17/17	18/51	19/02	24/51 S
			5/50	12/12 S	12/32 S	12/47	18/03 S	18/53 S	22/26 S	24/51 S
			6/01 S	12/12 S	12/32 S	14/47 S	18/03 S	18/53 S	22/26 S	24/51 S
			6/01 S	12/12	12/32 S	14/47 S	18/03	18/53 S	22/26	24/51 S
			6/01 S	12/22 S	12/32	14/47	18/05 S	18/53 S	22/27 S	24/51
			6/01	12/22 S	12/33 S	14/50 S	18/05 S	18/53	22/27 S	24/52 S
			10/46 S	12/22 S	12/33 S	14/50 S	18/05	19/01 S	22/27	24/52 S
			10/46 S	12/22 S	12/33 S	14/50	18/50 S	19/01 S	22/32 S	24/52
			10/46	12/22 S	12/33 S	16/47 S	18/50 S	19/01 S	22/32 S	
LFHADDR	0	EXTERNAL*	20/50 S							
LFT	0	EXTERNAL*	6/22	25/02						
LFTFREE	0	EXTERNAL*	6/18	21/28						
LOADBUF	0	EXTERNAL*								
LOCK	0	EXTERNAL*								
LOCTAB	0	EXTERNAL*								
LOCTABF	0	EXTERNAL*								
LOCTABL	0	EXTERNAL*								
L.MNCL	0	EXTERNAL*								
MAINCL	0	EXTERNAL*	5/47	10/46	12/22	16/47	18/51	22/26		
			6/01	12/02	14/47	18/03	19/02	22/27		
MAKEMAP	0	EXTERNAL*								
MAPBUF	0	EXTERNAL*								
MKPTR	0	EXTERNAL*	9/10							
MOVBLKR	0	EXTERNAL*								
MYCODEF	0	EXTERNAL*								
MYDAR	0	EXTERNAL*	14/31	21/44	22/04					
MYEVCH	0	EXTERNAL*								
MYIDENT	0	EXTERNAL*								
MYRESP	0	EXTERNAL*								
MYSCRF	0	EXTERNAL*								
MYSUBP	0	EXTERNAL*								
MYSWOC	0	EXTERNAL*								
MYUNIT	0	EXTERNAL*								
M.ABFCH	0	EXTERNAL*								
M.ABFYL	0	EXTERNAL*								
M.ACREQ	0	EXTERNAL*								
M.ACRES	0	EXTERNAL*								
M.ACTCC	0	EXTERNAL*								
M.ADDS	0	EXTERNAL*								
M.ADISK	0	EXTERNAL*								
M.ASUSP	0	EXTERNAL*								
M.AUTH	0	EXTERNAL*								
M.BFILE	0	EXTERNAL*								
M.CLOCC	0	EXTERNAL*								
M.CLOSE	0	EXTERNAL*								
M.CLTIM	0	EXTERNAL*								
M.DARL	0	EXTERNAL*								
M.DDREQ	0	EXTERNAL*								

COMPASS - VER 2. 03/25/71 03.22.39. PAGE 32

M.DDRSP	0	EXTERNAL*								
M.DDSCT	0	EXTERNAL*	14/47	18/03						
M.DESTL	0	EXTERNAL*	22/26							
M.DFILIT	0	EXTERNAL*								
M.DOBJS	0	EXTERNAL*								
M.EMPTY	0	EXTERNAL*								
M.FCLEV	0	EXTERNAL*	5/47	6/01	16/47	18/51	19/02			
M.FDISK	0	EXTERNAL*								
M.FHRI	0	EXTERNAL*	11/14	12/02	24/27	25/12				
M.FILOCL	0	EXTERNAL*								
M.FRMCC	0	EXTERNAL*								
M.GFILE	0	EXTERNAL*								
M.HASHL	0	EXTERNAL*								
M.HELP	0	EXTERNAL*	22/27							
M.HFILE	0	EXTERNAL*								
M.IDCTR	0	EXTERNAL*								
M.LOCKS	0	EXTERNAL*								
M.MKCAP	0	EXTERNAL*								
M.OPCL	0	EXTERNAL*								
M.RBUFS	0	EXTERNAL*								
M.RETRY	0	EXTERNAL*								
M.SDISK	0	EXTERNAL*								
M.SLOTS	0	EXTERNAL*								
M.SWAP	0	EXTERNAL*	12/22							
M.TRMCC	0	EXTERNAL*								
M.TRYCC	0	EXTERNAL*								
M.TVRES	0	EXTERNAL*								
M.TWAIT	0	EXTERNAL*								
M.UNAME	0	EXTERNAL*	10/46							
M.USCTR	0	EXTERNAL*								
M.USRCC	0	EXTERNAL*								
M.WBUIF	0	EXTERNAL*								
M.IOSEC	0	EXTERNAL*								
NLOCKS	0	EXTERNAL*								
NOBJ	0	EXTERNAL*								
NOGLOCK	0	EXTERNAL*								
NUMLEV	13		6/15	10/30	10/35					
NUMRESP	0	EXTERNAL*								
OR.CHNAM	2		13/04							
OR.CREBL	4		13/04							
OR.DEI BL	10		13/04							
OR.DSTRY	1		13/04							
OR.FDAE	200		13/04							
OR.PLMAP	100		13/04							
OR.TROB	2000000		13/04							
OPEN	0	EXTERNAL*								
OPENDAR	0	EXTERNAL*	14/15							
OPENR	0	EXTERNAL*								
OPERCL	0	EXTERNAL*	4/08							
OP:::CL	0	EXTERNAL*	4/08 D	10/45	12/21	12/46	17/16	18/50	22/25	24/52
			5/46	10/49	12/26	14/46	18/02	18/52	22/26	24/51
			5/49	12/01	12/31	14/49	18/04	18/53	22/31	
			5/53	12/11	12/32	16/46	18/49	19/01	24/25	

CREATE / DESTROY DISK FILE
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

03/25/71 03.22.39.

PAGE 33

ORGADDR	0	EXTERNAL*					
ORGCLST	0	EXTERNAL*					
ORGMAP	0	EXTERNAL*					
PAGESW	0	EXTERNAL*					
PASSERR	0	EXTERNAL*					
PBR	0	EXTERNAL*					
PBW	0	EXTERNAL*					
PG.DDS	0	EXTERNAL*					
PG.DTY	0	EXTERNAL*					
PG.PG	0	EXTERNAL*					
PROBE	0	EXTERNAL*					
PROCADR	0	EXTERNAL*					
PRVOPEN	0	EXTERNAL*					
PTR.CM	0	EXTERNAL*					
PTR.DDS	0	EXTERNAL*					
PTR.DTY	0	EXTERNAL*					
PTR.NUM	0	EXTERNAL*					
PTR.PTR	0	EXTERNAL*					
P0	0		5/32 D	14/09			
P1	1		5/33 D	6/11	8/52	12/19	
P2	2		5/34 D	6/14	8/53	10/30	10/35 12/25
RBUFFS	0	EXTERNAL*					
READCAP	0	EXTERNAL*	12/02	24/41			
READONF	0	EXTERNAL*					
READONL	0	EXTERNAL*					
READRWF	0	EXTERNAL*					
READRWL	0	EXTERNAL*					
REDSHP	0	EXTERNAL*					
REGS	0	EXTERNAL*					
RELCLAM	0	EXTERNAL*					
RELEASE	0	EXTERNAL*					
RESP	0	EXTERNAL*					
RESTREG	0	EXTERNAL*					
RETCLK	0	EXTERNAL*					
RETErr	0	EXTERNAL*					
RETPAR	0	EXTERNAL*					
RETPARM	0	EXTERNAL*					
RETRY	0	EXTERNAL*					
RETURN	0	EXTERNAL*	22/33				
R.DISK	2		14/19	18/35			
R.DSTRY	2		22/28				
R.FILE	3		15/04	18/10			
R.FXECS	1		14/32	18/23	22/06		
R.SWECS	0		21/46				
SAVEREG	0	EXTERNAL*					
SETPCNT	0	EXTERNAL*					
SETUP	0	EXTERNAL*					
SETUPR	0	EXTERNAL*					
SHCLAIM	0	EXTERNAL*					
SIZE	0	EXTERNAL*					
SIZES	0	EXTERNAL*	9/53	11/28	20/42		
SLEEP	0	EXTERNAL*	22/32				
SLOTS	0	EXTERNAL*					

CREATE / DESTROY Disk FILE
SYMBOLIC REFERENCE TABLE.

COMPASS - VER 2.

03/25/71 03.22.39.

PAGE 34

STKBUF	0	EXTERNAL*							
SUSPIPL	0	EXTERNAL*							
SW.DDS	0	EXTERNAL*							
SW.SW	0	EXTERNAL*							
SYSERR	0	EXTERNAL*	6/01	12/03	12/33	16/15	18/28	22/21	24/42
			9/12	12/03	14/50	16/47	18/40	22/21	24/42
			10/50	12/03	16/04	17/17	19/02	22/21	24/42
			11/40	12/11	16/06	18/05	21/52	22/32	
			11/45	12/12	16/08	18/16	22/10	23/24	
TABADDR	0	EXTERNAL*							
TEMPA	0	EXTERNAL*							
TEMPB	0	EXTERNAL*							
TEMPC	0	EXTERNAL*							
TEMPD	0	EXTERNAL*							
TEMPE	0	EXTERNAL*							
TEMPF	0	EXTERNAL*							
TEMPG	0	EXTERNAL*							
TEMPI	0	EXTERNAL*							
TEMPJ	0	EXTERNAL*							
TEMPK	0	EXTERNAL*							
TEMPL	0	EXTERNAL*							
TEMPM	0	EXTERNAL*							
TEMPN	0	EXTERNAL*							
TEMPO	0	EXTERNAL*	21/11 S	21/41					
TEMP1	0	EXTERNAL*							
TEMP10	0	EXTERNAL*							
TEMP11	0	EXTERNAL*							
TEMP2	0	EXTERNAL*							
TEMP3	0	EXTERNAL*							
TEMP4	0	EXTERNAL*	8/08 S	9/38 S	10/36	10/50			
TEMP5	0	EXTERNAL*							
TEMP6	0	EXTERNAL*							
TEMP7	0	EXTERNAL*							
TEMP8	0	EXTERNAL*							
TEMP9	0	EXTERNAL*							
TERMROP	0	EXTERNAL*							
TERMRWF	0	EXTERNAL*							
TERMRWL	0	EXTERNAL*							
TR.DRIV	0	EXTERNAL*							
TR.LEVL	0	EXTERNAL*							
T.CLSCD	17-7		5/50						
UDSKSCR	0	EXTERNAL*							
UNLOCK	0	EXTERNAL*	12/37	23/12	23/21	25/23			
UNLOCKW	0	EXTERNAL*							
USERRWF	0	EXTERNAL*							
USERRWL	0	EXTERNAL*							
USRPACK	0	EXTERNAL*							
WRITCAP	0	EXTERNAL*	12/10	22/20					
ZEROMAP	0	EXTERNAL*							
ZROMAPR	0	EXTERNAL*							

03.21.41. 03/25/71 TSS SCOPE 3.0
03.21.43.CPU = 000 SEC : CM = 014000
03.21.46.GET,XTEXT,DISKSYS
03.21.48.FILE,XTEXT
03.21.48.RFL,50000
03.21.48.CPU = 000 SEC : CM = 050000
03.21.48.TEXT,OUTPUT
03.21.48.GET,SYSSUBP,MACROS,,RO
03.21.48.GET,MACROS,DISKSYS,,RO
03.21.48.GET,SYMBOLS,DISKSYS,,RO
03.21.48.GET,PARAMS,DISKSYS,,RO
03.21.49.GET,DSKOPS,OPERS,,RO
03.21.49.GET,ORBITS,DISKSYS,,RO
03.21.49.GET,TYPES,DISKSYS,,RO
03.21.49.GET,ERRORS,DISKSYS,,RO
03.21.49.GET,DSKOPR,DISKSYS,,RO
03.21.49.GET,SYSCALL,MACROS,,RO
03.21.56.GET,CREATE,DISKSYS
03.22.02.NOMPASS,S=0,I=CREATE
03.22.03.ASSEMBLING CREATE
03.22.27.ASSEMBLING CREATE
03.22.40. ASSEMBLY COMPLETE.
03.22.42.END
03.22.43.FIN
03.22.43.CPU TIME: 028.054 SECONDS
03.22.43.SYS TIME: 006.515 SECONDS
03.22.43.SYSTEXT : 1630 LINES

END OF FILE

[illegible]