

ADDRESS	LENGTH	BINARY CONTROL CARDS.	
0	0	IDENT	ACCTP
0		END	

ENTRY POINTS.

RW	-	0	MYCODE	-	1	SLEEP	-	5	SYSERR	-	73
RO	-	1	MYSCRF	-	2	LOCAL	-	6			
ABENTRY	-	2	OPERCL	-	3	ACCTECS	-	7			
MYSUBP	-	0	MAINCL	-	4	FENTER	-	126			

EXTERNAL SYMBOLS.

DAR	ORGCLST	DAT IPL	DBW	RELEASE	M.ABFIL	GF.DATL	NUMRESP
DAB	ORGMAP	APT IPL	GETRESP	FRW	M.ACREQ	GF.APTF	CREATER
DASABNO	INTDAT	RETPARM	TR.DRIV	MAKEMAP	M.ACRES	GF.APTL	CREBLKR
DASFREE	AP0	RETEERR	TR.LEVL	LOADBUF	M.USRCC	GF.HSHF	DELBLKR
DASLOCK	AP1	PASSERR	BLK.SIZ	AUDIT	M.FRWCC	FHRHASH	OBENR
DASHASH	AP2	USRPACK	BLK.DTY	NOQLOCK	M.TRMCC	DARHASH	ATTACHR
DASSUSP	AP3	TOTBUF	BLK.FLG	PROBE	M.CLOCC	GF.HSHL	DETACHR
DASINAC	AP4	PROCADR	SW.SW	RETCLK	M.ACTCC	GF.TRVF	ZROMAPR
DASTAG	AP5	FRRADDR	SW.DDS	FRETURN	M.TRYCC	FIB	CHMAPR
DASOPEN	AP6	FRRPACK	PG.PG	RETURN	M.DFILT	FR.LEN	CHMAPBI
DASFILS	AP7	STKBUF	PG.DDS	RETPAR	M.DOBJ	FR.NAME	SETUPR
DASSPAC	AP8	SETPCNT	PG.DTY	FRRPARM	NOBJS	FR.WD3	CREATBI
DASDESC	TEMP0	DISKENT	PTR.PTR	FRRFILE	M.BFILE	FR.SHAP	CLOSER
DASTIME	TEMP1	DISKEER	PTR.DDS	FRRALOC	M.DDREQ	FR.FUND	MOVBLKR
DASRATE	TEMP2	DISKINT	PTR.CM	FRRMAP	M.DDRSP	FR	CREPTRR
DASCMT	TEMP3	FRWENT	PTR.DTY	CALBEAD	M.RBUFS	FR.LEN	DORESPR
DASDMTR	TEMP4	FRWERR	PTR.NUM	REGS	M.WBUFS	FR.NAME	FRRNUM
DASLEN	TEMP5	FRWINT	CREATE	D.ENTRY	M.SLOTS	FR.WD1	FRRCLAS
DASLOG	TEMP6	CLKBUF	CREBLK	D.FNAME	M.LOCKS	FR.WD2	TABADDR
COMMROF	TEMP7	DSYSTIM	DELBLK	DBUG1	NLOCKS	FR.WD3	EC:CLK
COMMROL	TEMP8	DSWPTIM	OPEN	DSKLCK	M.DDSCT	FR.SUSP	DE:MMRO
COMMRWF	TEMP9	DUSRTIM	ATTACH	DBUG2	M.FHRL	FR.LOCK	DE:CBLK
COMMRWL	TEMP10	MYEVCH	DETACH	M.AUTH	M.DARL	FR.DAR	EC:PTRN
HOLDBLK	TEMP11	READCAP	CONVERT	M.MKCAP	M.HASHL	FR.OPEN	DE:CLOS
LOCTAB	TEMPA	WRITCAP	SETUP	REDSHP	M.ADDS	FR.CAPX	DE:DTCH
LOCTABF	TEMPB	SAVEREG	DECODE	GDSKHDR	M.ASUSP	FR.DBSZ	DE:ARSV
LOCTABL	TEMPC	RESTREG	CRELFH	FDSKHDR	M.ADISK	FR.ONEL	DE:ZRM
LFT	TEMPO	FILCL	OPENADR	GDSKPTR	M.SDISK	FR.FROZ	DE:MMRW
FLDLEN	TEMPE	MYRESP	PRVOPEN	FDSKPTR	M.FDISK	FR.WBIT	DE:CMRW
USERRWF	TEMPF	RESP	MKPTR	GDSKDAT	M.FCLEV	FR.SIZE	DE:ATCH
USERRWI	TEMPG	GFILE	DSPTR	FDSKDAT	M.UNAME	FR.SHAP	DE:OPRW
DATMAP	TEMPH	HFILE	CLOSE	GETDSK	M.USCTR	FR.FUND	DE:XSEC
TERMRWL	TEMPV	FILECAP	ECLOSE	FREEDSK	M.OPCL	FR.FLAG	DE:FUND
TERMRWF	TEMPW	CTEMP	DARSPA	RUSYDSK	M.IOCTR	FR.ROOT	DE:EPCL
TERMRWI	TEMPX	UDSKSCR	ZEROMAP	L.MNCL	M.TWAIT	FR.CLAM	EC:GEVH
CLOSRWF	TEMPY	BFILE	CHMAP	M.GFILE	M.CLTIM	FR.MEMB	EC:SEV
CLOSRWI	TEMPZ	DDRSP	CLODAR	M.HFILE	M.10SEC	FHRADDR	EC:SAVE

CLOSROF	MYIDENT	RBUFS	HASH	M.FILCL	GF.LEN	FILEADR	EQDSSE
READRWF	MYDAR	RETRY	DELHASH	M.EMPTY	GF.SUSF	LEFTFREE	EQESML
READRWI	MYUNIT	SLOTS	EXCLAIM	M.RETRY	GF.SUSL	LFHADDR	DFREAD
READONF	MYSWCC	HBR	SHCLAIM	M.CLOSE	GF.IOTF	DARADDR	
READONI	DDSIPL	HBW	LOCK	M.TVRES	GF.IOTL	PAGESW	
HENTRY	IOTIPL	PBR	UNLOCK	M.HELP	GF.DDSF	MAPBUF	
DENTRY	HASHIPL	PBW	UNLOCKW	M.SWAB	GF.DDSL	SIZES	
ORGADDR	SUSPIPL	DBR	RELCLAM	M.ABFCH	GF.DATF	SIZE	

IDENT ACCTP


```
*  
GETDAR  MACRO  DARADDR,RETAUTH  
        CAPAB  0,OPERCL,#T::DISK#AR#V  
        DATUM  1,R,GETDAR  
        DATUM  2,DARADDR  
        DATUM  3,0      NULL BLOCK DATA PARM  
        SYSCALL TPLIST,0,RETAUTH  
        ENDM
```

```
*  
*  
*
```

```
PUTDAR  MACRO  DARADDR,CMADDR,CNT  
        CAPAB  0,OPERCL,#T::DISK#AR#V  
        DATUM  1,R,PUTDAR  
        DATUM  2,DARADDR  
        BLOCKD 3,CMADDR,CNT  
        SYSCALL TPLIST,0  
        ENDM
```

```
*  
*
```

```
FUND    MACRO  ALLOC  
        CAPAB  0,OPERCL,#T::DISK#FUND  
        CAPAB  1,ALLOC  
        SYSCALL TPLIST,0  
        ENDM
```

```
*  
*
```

```
XSECT  MACRO  SIZE  
        CAPAB  0,OPERCL,#T::DISK#XS#C  
        DATUM  1,SIZE  
        SYSCALL TPLIST,0  
        ENDM
```

```

*
*
* SCRATCH CELLS
*
35 FREEHEAD BSS 1 HEAD OF FREE CHAIN
36 FREETAİL BSS 1 TAIL OF FREE CHAIN
*
37 REQUEST BSS 1
40 USERID BSS 1
*
41 LRFLAG BSS 1 LOAD/RECOVER IN PROGRESS FLAG
*
42 EOFADDR BSS 1 ADDR OF 1ST MISSING BLK IN ACCT FILE
43 TOTRESV BSS 1 TOTAL DISK RESERVED OUTSIDE MASTER DAR
*
44 CLOCKBUF BSS 5
51 MDARBUF BSS 8 MASTER DAR BUFFER
*
61 IPLIST BSS 10
*
*
73 SYSERR BSSZ 1
74 0000000000 PS
*
* SAVE STATE IF GET ERROR
*
75 ERRSTK BSS 2
77 ERREGS BSS 16
*
*
117 RWL BSS 0 END OF READ/WRITE AREA
*
117 ROF BSS 0 START OF READ-ONLY AREA
*
* CONSTANTS
*
200 BLKSIZE EQU 128 FILEBLOCK SIZE
200 NBLKS EQU 128 NO. OF DATABLOCKS IN FILE

```

```
*
* OBTAIN AND SETUP MACRO PACKAGE
*
117 PARAMS XTEXT
117 MACROS XTEXT
*
117 SYSCALI XTEXT
*
MACSET OPERCL, IPLIST, DISK
*
*
* RETURN PARAMETER AUTHORIZATIONS
*
117 00000000000000000000 ECSAUTH RPAUTH (ACCTECS,1) AUTHORIZE RETURN OF 1 CAPABILITY
121 00000000100000000000 x DABAUTH RPAUTH (DAB,8) AUTHORIZE RETURN OF 8 DATA WORDS
123 00000000100000000051 MDARAUTH RPAUTH (MDARBU,8) AUTHORIZE RETURN OF 8 DATA WORDS
```

```
*  
* ERROR ENTRY POINT  
*  
125 0200000145 ERROR JP ERRSTOP  
*  
* NORMAL ENTRY POINT .. INITIALIZE  
*  
126 7110000000 ENTER SX1 DWF  
14271 BX2 -X1  
127 7160000003 READ MYCODF,X1,X1,RWL+X2,FRET  
*  
140 0130000142 SYSCALL SETESM,0  
*  
141 0200000157 JP GETWORK  
  
142 4000000000 x SETESM VFD 7/1,29/*T:;ECS#ESML,90/OPERCL,60/ESMASK  
0000000003  
143 00000000000000000000144  
144 7777377777777700000000 ESMASK VFD 36/777737777777B,24/n  
*  
* ERROR .. SAVE REGISTERS AND STOP  
*  
145 7160000003 ERRSTOP VIEW FRRSTR,1  
153 0130000154 SAVE ERREGS  
156 0000000000 PS
```

```
*****  
*  
* ACCOUNTANT PROCESS .. MAIN LOOP *  
*  
*****  
157 7160000003 GETWORK SENDV (MAINCL M.ACRES) 00 MAKE SELF AVAILABLE FOR WORK  
170 7160000003 GETEVH (MAINCL M.ACRES) GET WORK TO DO  
176 5170000037 SA7 REQUEST  
73370 SX3 X7 FAR ADDRESS  
21722 AX7 TB  
177 73670 SX6 X7  
5160000040 SA2 USERID USER PROCESS INDEX  
21722 AX7 TB  
200 73170 SX7 X7 ACCTG BLK NUMBER  
21722 AX7 TB  
43667 MX6 60-5  
15776 BX7 -X6*X7  
201 63170 SB1 X7 REQUEST TYPE  
0210000202 JP R1+REQJP  
*  
*  
202 REQJP BSS 0  
202 0200000233 JP START START UP  
203 0200000410 JP DONE LOAD/RECOVER COMPLETE  
204 0200000430 JP SHUTDOWN SHUT DOWN  
205 0200000437 JP CREATEAB CREATE ACCOUNTING BLOCK  
206 0200000551 JP ACTIVAB ACTIVATE ACCOUNTING BLOCK  
207 0200000603 JP DESTROYAB DESTROY ACCOUNTING BLOCK  
210 0200000654 JP OPENAB OPEN ACCOUNTING BLOCK  
211 0200000715 JP CLOSEAB CLOSE ACCOUNTING BLOCK
```

```
*
* PSEUDO CLOSE ACCTG FILE UNLESS LOAD/RECOVER IN PROGRESS
*
212 5150000041 PCLOSE SA5 IIRFLAG
      0315000220 NZ X5, LOCALEV JUMP IF LOAD/RECOVER
*
213 7160000003 PCLOSE ACCTECS
*
* SEND EVENT (IN X1) TO USER PROCESS AND GET NEXT REQUEST
*
220 5120000040 LOCALEV SA2 IUSERID IUSER PROCESS INDEX
      7160000003 SENDEV (SLEEP, X2), (, X1) SEND EVENT TO USER PROCESS
232 0200000157 JP GETWORK GO BACK TO MAIN LOOP
```

```

*****
*
* START UP (OPEN AND INITIALIZE ACCOUNTING FILE) *
*
*****
233 7160000003 START FUND LOCAL FUND PROCESS FIXED ECS
*
240 7160000003 XSECT BLKSIZE*NBLS X-SECTION = ENTIRE ACCTG FILE
*
245 7160000003 OPENRW (MAINCL,M,ARFIL)*ECSAUTH
*
254 7160000001 SX6 I
      5160000041 SA6 LRFILAG MARK LOAD/RECOVER IN PROGRESS
*
255 43674 MX6 60
      5160000025 SA6 FREEHEAD HEAD OF FREE CHAIN = EMPTY
256 5160000035 SA6 FREETAILE TAIL OF FREE CHAIN = EMPTY
*
257 5160000043 BX6 X0=X0
      13600 SA6 TOTRESV SET TOTAL RESERVED DISK = 0
*
      66100 SB1 B0
      66300 SB3 B0 FILE ADDR = 0
*
* ATTACH ALL BLOCKS IN ACCOUNTING FILE
* (DETACHED AT END OF LOAD/RECOVER. (SFE *DONE*))
*
260 7160000003 SCAN1 ATTACH ACCTECS,BI,BLKSIZE,SCAN2
*
270 6111000260 SB1 BI+BLKSIZE
      0200000260 JP SCAN1
*
* PUT ACCOUNTING BLOCK IN MAP
*
271 5160000042 SCAN2 SA6 FOFADDR STORE ADDRESS OF 1ST NON-EXISTENT BLOCK
*
272 7160000003 SCAN2A EQ JUMP IF END OF FILE
      0413000324 CHGMAPRW MYSUBP,ABENTRY,ACCTECS,B3,DAB,DABLEN,ACCTECS,SCAN2
*
306 5130000000 X SA3 DASFREE
      0333000317 NG X3,SCAN2 JUMP IF THIS BLOCK FREE
*
307 5130000000 X SA3 DASINAC
      0333000317 NG X3,SCAN2 INACTIVE ACCTG BLK REVERTS TO FREE
*
* PROCESS ACCOUNTING BLOCK WHICH IS IN USE
*
310 5120000000 X SA2 DASSPAC
      21296 AX2 30 DISK SPACE RESERVED
311 5150000043 SA5 TOTRESV
      36752 IX7 X5+X2 INCR TOTAL RESERVED DISK
312 5150000000 X SA5 DASDESC
      37775 IX7 X7-X5 CORRECT FOR SPACE IN DESCENDENTS
    
```

313	5170000043		SA7	TOTRESV	
			*		
			*	CLEAR SPACE-OCCUPIED AND FILE COUNTER FIELDS (RECOMPUTED LATER)	
			*		
		26226	LX2	30	POSITION RESERVED
		12625	BX6	X2+X5	IN-USE = IN-DESCENDENTS
314	5160000000	X	SA6	DASSPAC	
			*		
		5120000000	SA2	DASFILS	
315	10622	X	BX6	X2	
	21622		AX6	I8	CLEAR FILE COUNTER
		20622	LX6	I8	
		54620	SA6	A2	
			*		
316	6160000323		CALLX	GETTIME, B6, SCANS	PUT CURRENT TIME IN BLOCK
			*		
			*	PROCESS ACCOUNTING BLOCK WHICH IS FREE	
			*		
317	5120000036		SCAN3	SA2	FREETAIL
		74620	SX6	B3	
320	0322000321		PL	X2, SCAN4	JUMP IF FREE CHAIN TAIL ALREADY FOUND
		54650	SA6	A2	MAKE THIS BLOCK THE TAIL
			*		
321	5120000035		SCAN4	SA2	FREEHEAD
		54620	SA6	A2	MAKE THIS BLOCK THE HEAD
		10622	BX6	X2	
322	43201		MX2	I	FREE FLAG
	12662		BX6	X6+X2	
		54620	SA6	A3	LINK THIS BLOCK TO OLD HEAD
			*		
			*	MOVE TO NEXT ACCOUNTING BLOCK	
			*		
323	6133000000	X	SCAN5	SB3	B3+DASLEN
		0200000272	JP	SCAN2A	INCR FILE ADDRESS
			*		
			*	END OF FILE .. FINISH UP	
			*		
324	5120000036		SCAN6	SA2	FREETAIL
		74130	SX1	B3	SET X1 IN CASE NO FREE ACCTG BLKS
325	0332000351		NG	X2, SCAN7	JUMP IF NO EXISTING FREE BLOCKS
			*		
		7160000003	INMAPRW	MYSUBP, ABENTRY, ACCTECS, X2, DAB, DASLEN, FRET	
			*		
340	76630		SX6	B3	LINK TAIL OF FREE CHAIN TO
	43101		MX1	I	
		12641	BX6	X6+X1	1ST NON-EXISTENT BLK (WITH
341	5160000000	X	SA6	DASFREE	FREE FLAG)
			*		
		7160000003	ZRMAP	MYSUBP, ABENTRY, ACCTECS	
			*		
350	5110000035		SA1	FREEHEAD	
351	7160000003		SCAN7	SENDEV	(MAINCL, M, ABFCH) *X1
			*		

```

* INITIALIZE SPACE IN USE IN MASTER DAR
*
362 7160000003          GETDAR  GF.DDSF*MDARAUT
*
372 6140000000 x      SB4      DAR
      6150000051      SB5      MDARBUF
373 67454              SB4      B5-B4          R4 RELOCATES DAR SYMBOLS
*
      5150000043      SA5      TOTRESV
*
      10655           BX6      X5          INITIALIZE SPACE-IN-DESCENDENTS
374 5164000000 x      SA6      R4+DA$DESC
*
      5144000000 x    SA4      R4+DA$SPAC
375 39645              IX6      X4+X5        INCR IN USE IN MASTER DAR
      54640           SA6      A4
*
      43426           MX4      30
      15464           BX4      -X4*X6        EXTRACT IN-USE
376 21636              AX6      30          EXTRACT RESERVED
      37664           IX6      X6=X4        COMPUTE SURPLUS
      0324000400     PL       X6$SCAN8     JUMP IF O.K.
*
377 0100000073       RJ       SYSERR      MASTER DAR RAN OUT OF DISK SPACE
*
*
400 7160000003       SCAN8    PUTDAR    #MDARBUF,DA$LEN
*
407 0200000220       JP       LOCALEV
  
```

```

*
* LOAD/RECOVERY COMPLETE: DETACH ALL BLOCKS IN ACCOUNTING FILE
*
410 66100          5150000042          63250
      DONE          SB1          R0
                        SA5          FOFADDR
                        SB2          X5
*
411 041200421     7160000003
      DONE1         EQ          B1,B2,DONE2          JUMP IF ALL DETACHED
                        DETACH     ACCTECS,B1,BLKSIZE
420 611100200     0200000411
      SB1          B1+BLKSIZE
      JP          DONE1
*
421 7160000003
      DONE2         XSECT     BLKSIZE*NBLKS*BLKSIZE  SHRINK XSECT TO 1 BLK
*
426 13600          5160000041
      BX6          X0-X0
      SA6          CRFLAG          MARK LOAD/RECOVER COMPLETE
*
427 020000212
      JP          PCLOSE
  
```

430 7160000003

435 0130000436

*
* SHUT DOWN THIS ACCOUNTANT PROCESS

*
SHUTDOWN CLOSE ACCTECS

*
RETURN

CLOSE ACCOUNTING FILE

RETURN TO BUILDER

JP PClose
insert SCAN, remove close
(must be able to dump

```

*****
*
* CREATE ACCOUNTING BLOCK *
*
*****
437 7160000003 CREATEAB GETEVH (MAINCL,M,ABFCH) GET FREE CHAIN HEAD
445 10177 BX1 X7
*
446 7160000003 CREATEI CHGMAPRW MYSUBP,ABENTRY,ACCTECS,X1,DAB,DASLEN,ACCTECS,CREATE3
*
462 5120000000 x SA2 DASFREE
      7160000003 *
      SENDEV (MAINCL,M,ABFCH),X2
*
* INITIALIZE NEW ACCOUNTING BLOCK
*
474 43601 MX6 I
      5160000000 x SA6 DASINAC NEW BLOCK IS INACTIVE
*
      BX6 X0-X0
475 5160000000 x SA6 DASFREE CLEAR FREE WORD
      13600 SA6 DASSPAC NO SPACE
476 5160000000 x SA6 DASRATE NO CHARGE RATE
      5160000000 x SA6 DASCMTR CONTINUOUS METER = 0
477 5160000000 x SA6 DASDMTR DISCONTINUOUS METER = 0
      5160000000 x SA6 DASDESC SPACE IN DESCENDENTS = 0
*
500 6160000501 CALLX GETTIME/B6 PUT TIME IN DASTIME
*
501 7160000003 ZRMAP MYSUBP,ABENTRY,ACCTECS
*
510 6110000000 x SBI DASLOG ACCT BLK NO =
      23111 AXI RI,X1 FILE ADDR / DASLEN
511 0200000220 JP LOCALEV SEND RESPONSE TO USER PROCESS
*
* RETURN NONEXISTENT BLOCK. CREATE IT AND ADD TO CHAIN
*
512 7160000003 CREATE3 CRBLK ACCTECS,XI,BLKSIZE,FRFT
522 10211 BX2 X1
*
523 7160000003 CREATE4 CHGMAPRW MYSUBP,ABENTRY,ACCTECS,X2,DAB,DASLEN,ACCTECS,CREATE5
*
537 7222000000 x SX2 X2+DASLEN ADDRESS OF NEXT BLOCK
*
      43601 MX6 I FREE FLAG
      12662 BX6 X6+X2 COMBINE WITH NEXT-BLOCK POINTER
540 5160000000 x SA6 DASFREE
      0200000523 JP CREATE4
*
541 7160000003 CREATE5 DETACH ACCTECS,XI,BLKSIZE
550 0200000446 JP CREATEI
  
```

```
*****
*
* ACTIVATE ACCOUNTING BLOCK *
*
*****
551 6110000000 X
    22111
ACTIVAR SB1      DASLOG
        LX1      R1,X1
                                CONVERT ACCT BLK NO TO FILE ADDR
*
* PUT ACCOUNTING BLOCK IN MAP
*
552 7160000003
                                INMAPRW MYSUBP,ABENTRY,ACCTECS,X1,DAB,DASLEN,ACTIV1
*
* BE SURE ACCOUNTING BLOCK EXISTS
*
555 5110000000 X
    0331000571
        SA1      DASFREE
        NG       X1,ACTIV1
                                JUMP IF BLOCK DOES NOT EXIST
*
* BE SURE BLOCK NOT ALREADY ACTIVE
*
556 5110000000 X
    0321000572
        SA1      DASINAC
        PL       X1,ACTIV2
                                JUMP IF ALREADY ACTIVE
*
557 13600
    54610
        BX6      X0-X0
        SA6      A1
                                MAKE BLOCK ACTIVE
*
570 0200000573
    13110
        BX1      X0-X0
        JP       ACTIV3
                                INDICATE SUCCESS
*
* NO SUCH BLOCK
*
571 7110777776
    0200000573
ACTIV1  SX1      -1
        JP       ACTIV3
                                INDICATE NO SUCH BLOCK
*
* BLOCK ALREADY ACTIVE
*
572 7110000001
ACTIV2  SX1      +1
                                INDICATE BLOCK ALREADY ACTIVE
*
* CLEAR MAP AND SEND RESPONSE TO USER PROCESS
*
573 7160000003
ACTIV3  ZRMAP    MYSUBP,ABENTRY,ACCTECS
*
602 0200000212
        JP       PCLOSE
```

```
*****
*
* DESTROY ACCOUNTING BLOCK *
*
*****
603 6110000000 X
      22771
DESTROYAB SB1      DASLOG
          LX1      R1,X1      CONVERT ACCT BLK NO TO FILE ADDR
*
* PUT ACCOUNTING BLOCK IN MAP
*
604 7160000003
          INMAPRW  MYSUBP, ABENTRY, ACCTECS, X1, DAB, DASLEN, DESTROY1
*
* CHECK FOR CONDITIONS PRECLUDING ACCOUNTING BLOCK DESTRUCTION
*
617 5120000000 X
      0332000641
          SA2      DASFREE
          NG      X2, DESTROY1      NO SUCH ACCOUNTING BLOCK
620 5130000000 X
      0312000642
          SA3      DASFILS
          NZ      X3, DESTROY2      FILES FUNDED OR TAG SET
621 5130000000 X
      0312000643
          SA3      DASSPAC
          NZ      X3, DESTROY3      DISK RESERVED
*
* BLOCK O.K. TO DESTROY. ADD TO FREE CHAIN
*
622 7160000003
630 43601
      12776
          GETEVH  (MAINCLM, ABFCH)
          MX6      1      FREE FLAG
          BX7      X7+X6
          SA7      A2      ADD BLOCK TO FREE CHAIN
          SENDEV  *X1
631 7160000003
640 12100
      0200000644
          BX1      X0=X0
          JP      DESTROY4      INDICATE SUCCESSFUL DESTRUCTION
                                SEND RESPONSE TO USER PROCESS
*
* ACCOUNTING BLOCK TO BE DESTROYED DOES NOT EXIST
*
641 7110777776
      0200000644
DESTROY1 SX1      =1
          JP      DESTROY4      INDICATE NONEXISTENCE
*
* ACCOUNTING BLOCK NOT IN PROPER SHAPE TO BE DESTROYED
*
642 7110000001
      0200000644
DESTROY2 SX1      +1
          JP      DESTROY4      INDICATE CANNOT DESTROY
*
* ACCOUNTING BLOCK IS HOLDING RESERVED SPACE .. CANNOT DESTROY
*
643 7110000002
DESTROY3 SX1      +2
*
* CLEAR MAP AND SEND EVENT TO USER PROCESS
*
644 7160000003
DESTROY4 ZRMAP    MYSUBP, ABENTRY, ACCTECS
*
653 0200000212
          JP      PCLOSE
```

```
*****  
*  
* OPEN ACCOUNTING BLOCK *  
*  
*****  
654 6110000000 X          OPENAB  SB1      DASLOG      CONVERT ACCTG BLK NO TO FILE ADDR  
      22111                LX1      R1,X1  
*  
* PUT ACCOUNTING BLOCK IN MAP  
*  
655 7160000003          INMAPRO  MYSUBP,ABENTRY,ACCTECS,X1,DAB,DASLEN,OPEN1  
*  
* MAKE SURE ACCOUNTING BLOCK EXISTS  
*  
670 5120000000 Y          SA2      DASFREE      JUMP IF NO SUCH ACCOUNTING BLOCK  
      0935000704          NG      X2,OPEN1  
*  
* MAKE SURE ACCOUNTING BLOCK IS ACTIVE  
*  
671 5120000000 Y          SA2      DASINAC      JUMP IF BLOCK INACTIVE  
      0335000704          NG      X2,OPEN1  
*  
* MAKE SURE OPEN COUNT IS ZERO  
*  
672 5120000000 X          SA2      DASOPEN  
      43652                MX6      60-18  
      20622                LX6      18  
673 11662                BX6      X6,X2  
      54620                SA6      A2  
*  
* CALL LOCAL DISK SYSTEM TO PLACE BLOCK IN DAR  
*  
703 13100                PUTDAR  X3,DAB,DASLEN  INDICATE SUCCESS  
      0200000765          BX1      X0-X0  
                          JP      OPEN2  
*  
* ERROR .. NO SUCH ACCOUNTING BLOCK OR BLOCK IS INACTIVE  
*  
704 7110777776          OPEN1   SX1      -1          INDICATE ERROR  
*  
* CLEAR MAP AND WAKE UP USER PROCESS  
*  
705 7160000003          OPEN2   ZRMAP  MYSUBP,ABENTRY,ACCTECS  
714 0200000220          JP      LOCALEV
```

```
*****  
*  
* CLOSE ACCOUNTING BLOCK *  
*  
*****  
715 6110000000 X          CLOSEAR  SB1      DASLOG      CONVERT ACCTG BLK NO TO FILE ADDR  
      22111                LX1      R1,X1  
*  
* PUT ACCOUNTING BLOCK IN MAP  
*  
716 7160000003          INMAPRW  MYSUBP, ABENTRY, ACCTECS, X1, DAB, DASLEN, CLOSE1  
*  
* CALL LOCAL DISK TO GET BLOCK FROM DAR  
*  
731 7160000003          GETDAR   X3, DARAUTH  
*  
741 13600              BX6      X0-X0  
      5160000000 X      SA6      DASFREE      CLEAR FREE-WORD  
*  
742 7160000003          ZRMAP   MYSUBP, ABENTRY, ACCTECS  
*  
751 13100              BX1      X0-X0      INDICATE COMPLETION  
      0200000212        JP        PCLOSE  
  
752 0100000073          CLOSE1  RJ        SYSERR      NO DAB FOR EXISTING DAR
```

*
* PUT CURRENT TIME IN SPACE DESCRIPTOR
*

753	7160000003		GETTIME	DSPCLK	CLOCKBUF	
760	5140000044			SA4	CLOCKBUF	
		5150000001 X		SA5	DASSPAC+S0ITIME	
761	21412			AX4	10	CONVERT USEC TO MSEC
	20436			LX4	30	POSITION TIME
		43656		MX6	30	
		15656		BX6	-X6*X5	CLEAR OLD TIME
762	12664			BX6	X6+X4	
	54650			SA6	A5	UPDATE IN DAR
		0260000000		JP	R6	

763 0000000000
764
764

FRET PS
ROL BSS 0
SYMBOLS XTEXT
*

0

END

45247

STORAGE USED
6600 ASSEMBLY

3843 STATEMENTS
23.250 SECONDS

547 SYMBOLS
653 REFERENCES

000007 INVENTED SYMBOLS

DISK SYSTEM ACCOUNTANT PROCES
SYMBOLIC REFERENCE TABLE.

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CREATB1	0	EXTERNAL*							
CREATE	0	EXTERNAL*							
CREATEAB	437		9/26	16/06 L					
CREATER	0	EXTERNAL*							
CREATE1	446		16/19 L	16/51					
CREATE3	512		16/10	16/38 L					
CREATE4	523		16/41 L	16/48					
CREATE5	541		16/42	16/50 L					
CREBLK	0	EXTERNAL*							
CREBLKR	0	EXTERNAL*							
CRELFH	0	EXTERNAL*							
CREPTRR	0	EXTERNAL*							
CTEMP	0	EXTERNAL*							
DAB	0	EXTERNAL*	7/15	12/43	16/42	18/12	19/34		
			11/29	16/10	17/12	19/12	20/12		
DABAUTH	121		7/15 L	20/16					
DAR	0	EXTERNAL*	13/05						
DARADOR	0	EXTERNAL*							
DARHASH	0	EXTERNAL*							
DARSPA	0	EXTERNAL*							
DATIPL	0	EXTERNAL*							
DATMAP	0	EXTERNAL*							
DASABNO	0	EXTERNAL*							
DASCMTR	0	EXTERNAL*	16/24 S						
DASDESC	0	EXTERNAL*	11/32	13/12 S	16/26 S				
DASOMTR	0	EXTERNAL*	16/25 S						
DASFILS	0	EXTERNAL*	12/09	18/17					
DASFREE	0	EXTERNAL*	11/20	16/11	16/47 S	18/15	20/18 S		
			12/27 S	16/21 S	17/15	19/15			
DASHASH	0	EXTERNAL*							
DASINAC	0	EXTERNAL*	11/23	16/18 S	17/20	19/20			
DASLEN	0	EXTERNAL*	4/19	12/33	13/28	16/42	17/12	19/12	20/12
			11/39	12/43	16/10	16/43	18/12	19/34	
DASLOCK	0	EXTERNAL*							
DASLOG	0	EXTERNAL*	16/32	17/06	18/06	19/06	20/06		
DASOPEN	0	EXTERNAL*	19/25						
DASRATE	0	EXTERNAL*	16/23 S						
DASSPAC	0	EXTERNAL*	11/48	12/07 S	13/14	16/25 S	18/19	21/06	
DASSUSP	0	EXTERNAL*							
DASTAG	0	EXTERNAL*							
DASTIME	0	EXTERNAL*							
DBR	0	EXTERNAL*							
DBUG1	0	EXTERNAL*							
DBUG2	0	EXTERNAL*							
DBW	0	EXTERNAL*							
DDRSP	0	EXTERNAL*							
DDSIPL	0	EXTERNAL*							
DECODE	0	EXTERNAL*							
DELBLK	0	EXTERNAL*							
DELBLKR	0	EXTERNAL*							
DELHASH	0	EXTERNAL*							
DENTRY	0	EXTERNAL*							
DESTRYAB	603		9/28	18/06 L					

DESTROY1	641		18/12	18/16	18/34	L			
DESTROY2	642		18/18	18/39	L				
DESTROY3	643		18/20	18/44	L				
DESTROY4	644		18/30	18/35	18/40		18/48	L	
DETACH	0	EXTERNAL*							
DETACHR	0	EXTERNAL*							
DF:ARSV	0	EXTERNAL*	13/04	13/28	19/34		20/16		
DF:ATCH	0	EXTERNAL*	11/29						
DF:CBLK	0	EXTERNAL*	16/29						
DF:CLOS	0	EXTERNAL*	15/05						
DF:CMRW	0	EXTERNAL*	11/29	16/10	16/42				
DF:DTCH	0	EXTERNAL*	14/10	16/51					
DF:EPCL	0	EXTERNAL*	10/08						
DF:FUND	0	EXTERNAL*	11/07						
DF:MMRO	0	EXTERNAL*	19/12						
DF:MRRW	0	EXTERNAL*	12/43	17/12	18/12		20/12		
DF:OPRW	0	EXTERNAL*	11/11						
DF:READ	0	EXTERNAL*	8/11						
DF:XSEC	0	EXTERNAL*	11/09	14/14					
DF:ZRM	0	EXTERNAL*	12/50	16/31	17/41		18/49	19/44	20/21
DISKENT	0	EXTERNAL*							
DISKER	0	EXTERNAL*							
DISKINT	0	EXTERNAL*							
DONE	410		9/24	14/04	L				
DONE1	411		14/08	L	14/11				
DONE2	421		14/08	14/13	L				
DORESPR	0	EXTERNAL*							
DSKLCK	0	EXTERNAL*							
DSPYR	0	EXTERNAL*							
DSWPTIM	0	EXTERNAL*							
OSYSYIM	0	EXTERNAL*							
DUSRTIM	0	EXTERNAL*							
D:ENTRY	0	EXTERNAL*							
D:NAME	0	EXTERNAL*							
ECLOSE	0	EXTERNAL*							
ECSAUTH	117		7/14	L	11/11				
EC:CLCK	0	EXTERNAL*	21/05						
EC:DSSE	0	EXTERNAL*	8/28						
EC:ESML	0	EXTERNAL*	8/20						
EC:GEVK	0	EXTERNAL*	9/08	16/07	18/25				
EC:RTRN	0	EXTERNAL*	15/07						
EC:SAVE	0	EXTERNAL*	8/29						
EC:SEV	0	EXTERNAL*	9/07	10/13	12/53		16/14	18/29	
ENTER	126		4/19	8/08	L				
EOFADDR	42		6/14	L	11/35	S	14/05		
ERRADDR	0	EXTERNAL*							
ERRALOC	0	EXTERNAL*							
ERRCLAS	0	EXTERNAL*							
ERRREGS	77		6/29	L	8/29				
ERRFILE	0	EXTERNAL*							
ERRMAP	0	EXTERNAL*							
ERRNUM	0	EXTERNAL*							
ERROR	125		8/04	L					

ERRPACK	0	EXTERNAL*				
ERRPARG	0	EXTERNAL*				
ERRSTK	75		6/28 L	8/28		
ERRSTOP	145		8/04	8/27 L		
ESMASK	144		8/22	8/23 L		
EXCLAIM	0	EXTERNAL*				
FB.FUND	0	EXTERNAL*				
FB.LEN	0	EXTERNAL*				
FB.NAME	0	EXTERNAL*				
FB.SHAP	0	EXTERNAL*				
FB.WD3	0	EXTERNAL*				
FDSKDAT	0	EXTERNAL*				
FDSKHDR	0	EXTERNAL*				
FDSKPTR	0	EXTERNAL*				
FHR	0	EXTERNAL*				
FHR	0	EXTERNAL*				
FHRADDR	0	EXTERNAL*				
FHRHASH	0	EXTERNAL*				
FILECL	0	EXTERNAL*				
FILEADR	0	EXTERNAL*				
FILECAP	0	EXTERNAL*				
FLDLEN	0	EXTERNAL*				
FREEDSK	0	EXTERNAL*				
FREXHEAD	35		6/26 L	11/16 S	12/24	12/51
FREETAIL	36		6/27 L	11/17 S	12/19	12/38
FRET	763		8/11	12/43	16/39	22/01 L
FRETURN	0	EXTERNAL*				
FRW	0	EXTERNAL*				
FRWENT	0	EXTERNAL*				
FRWERR	0	EXTERNAL*				
FRWINT	0	EXTERNAL*				
FR.CAPX	0	EXTERNAL*				
FR.CLAM	0	EXTERNAL*				
FR.DAR	0	EXTERNAL*				
FR.DBSZ	0	EXTERNAL*				
FR.FLAG	0	EXTERNAL*				
FR.FROZ	0	EXTERNAL*				
FR.FUND	0	EXTERNAL*				
FR.LEN	0	EXTERNAL*				
FR.LOCK	0	EXTERNAL*				
FR.MEMB	0	EXTERNAL*				
FR.NAME	0	EXTERNAL*				
FR.ONEL	0	EXTERNAL*				
FR.OPEN	0	EXTERNAL*				
FR.ROOT	0	EXTERNAL*				
FR.SHAP	0	EXTERNAL*				
FR.SIZE	0	EXTERNAL*				
FR.SUSP	0	EXTERNAL*				
FR.WD1	0	EXTERNAL*				
FR.WD2	0	EXTERNAL*				
FR.WD3	0	EXTERNAL*				
FR.WRIT	0	EXTERNAL*				
GDSKDAT	0	EXTERNAL*				

GDSKHDR	0	EXTERNAL*					
GDSKPTR	0	EXTERNAL*					
GETDSK	0	EXTERNAL*					
GETRESP	0	EXTERNAL*					
GETTIME	753		12/76	16/29	21/04		
GETWORK	157		8/14	9/06 L	10/13		
GFILE	0	EXTERNAL*					
GF.APTF	0	EXTERNAL*					
GF.APTL	0	EXTERNAL*					
GF.DATF	0	EXTERNAL*					
GF.DATL	0	EXTERNAL*					
GF.DDSF	0	EXTERNAL*	13/04				
GF.DDSL	0	EXTERNAL*					
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*					
HASHPL	0	EXTERNAL*					
HBR	0	EXTERNAL*					
HBW	0	EXTERNAL*					
HENTRY	0	EXTERNAL*					
HFILE	0	EXTERNAL*					
HLOBLK	0	EXTERNAL*					
INTDAT	0	EXTERNAL*					
IOTBUF	0	EXTERNAL*					
IOTIDL	0	EXTERNAL*					
IPLIST	61		6/20 L	11/07	13/04	14/14	20/16
			7/09	11/09	13/28	14/34	

IP::LIST	61		7/09 D	10/13	12/43 S	14/10 S	16/31 S	17/12 S	18/29 S	19/44 S
			8/11 S	11/07 S	12/43 S	14/10 S	16/31 S	17/12 S	18/29 S	20/12 S
			8/11 S	11/07 S	12/43 S	14/10 S	16/31 S	17/12 S	18/29 S	20/12 S
			8/11 S	11/09 S	12/43 S	14/14 S	16/31 S	17/12 S	18/49 S	20/12 S
			8/11 S	11/09 S	12/43 S	14/14 S	16/31 S	17/12 S	18/49 S	20/12 S
			8/11 S	11/11 S	12/43 S	15/05 S	16/39 S	17/12 S	18/49 S	20/12 S
			8/11 S	11/11 S	12/43 S	15/05 S	16/39 S	17/12 S	18/49 S	20/12 S
			8/28 S	11/11 S	12/50 S	15/05 S	16/39 S	17/12 S	18/49 S	20/12 S
			8/28 S	11/29 S	12/50 S	16/07 S	16/39 S	17/41 S	19/12 S	20/12 S
			8/28 S	11/29 S	12/50 S	16/07 S	16/39 S	17/41 S	19/12 S	20/12 S
			8/28 S	11/29 S	12/50 S	16/07 S	16/42 S	17/41 S	19/12 S	20/12 S
			9/07 S	11/29 S	12/50 S	16/10 S	16/42 S	17/41 S	19/12 S	20/12 S
			9/07 S	11/29 S	12/50 S	16/10 S	16/42 S	17/41 S	19/12 S	20/12 S
			9/07 S	11/39 S	12/50 S	16/10 S	16/42 S	18/12 S	19/12 S	20/12 S
			9/07 S	11/39 S	12/50 S	16/10 S	16/42 S	18/12 S	19/12 S	20/12 S
			9/07 S	11/39 S	12/50 S	16/10 S	16/42 S	18/12 S	19/12 S	20/12 S
			9/08 S	11/39 S	13/04 S	16/10 S	16/42 S	18/12 S	19/12 S	20/12 S
			9/08 S	11/39 S	13/04 S	16/10 S	16/42 S	18/12 S	19/34 S	20/12 S
			9/08 S	11/39 S	13/04 S	16/10 S	16/42 S	18/12 S	19/34 S	20/12 S
			10/08 S	11/39 S	13/04 S	16/10 S	16/42 S	18/12 S	19/34 S	20/12 S
			10/08 S	11/39 S	13/04 S	16/10 S	16/42 S	18/12 S	19/34 S	20/12 S
			10/08 S	11/39 S	13/04 S	16/10 S	16/42 S	18/12 S	19/34 S	20/12 S
			10/13 S	11/39 S	13/28 S	16/14 S	16/51 S	18/12 S	19/44 S	20/12 S
			10/13 S	11/39 S	13/28 S	16/14 S	16/51 S	18/12 S	19/44 S	20/12 S
			10/13 S	12/43 S	14/10 S	16/14 S	16/51 S	18/25 S	19/44 S	20/12 S
			10/13 S	12/43 S	14/10 S	16/14 S	16/51 S	18/25 S	19/44 S	20/12 S
LFHADDR	0	EXTERNAL*								
LFT	0	EXTERNAL*								
LFTFREE	0	EXTERNAL*								
LOADBUF	0	EXTERNAL*								
LOCAL	6		4/26 D	11/07						
LOCALEV	220		10/05	10/11 L	13/29	16/34	19/44			
LOCK	0	EXTERNAL*								
LOCTAB	0	EXTERNAL*								
LOCTABF	0	EXTERNAL*								
LOCTABL	0	EXTERNAL*								
LREFLAG	61		6/12 L	10/04	11/13 S	14/16 S				
L.MNCL	0	EXTERNAL*								
L:CLIST	10		4/19	4/37 D						
L:LMAP	3		4/18	4/25 D						
MAINCL	4		4/34 D	9/07	9/08	11/11	12/53	16/07	16/14	18/25
MAKEMAP	0	EXTERNAL*								
MAPBUF	0	EXTERNAL*								
MAPX	3		4/19 D	4/23	4/23	4/26	4/24	4/24		
			4/23	4/23 D	4/24	4/24 D	4/24 D	4/25		
MDARAUTH	123		7/16 L	13/04						
MDARBUF	51		6/18 L	7/16	13/06	13/28				
MKPTR	0	EXTERNAL*								
MOVBLKR	0	EXTERNAL*								
MYCODF	1		4/31 D	8/11						
MYDAR	0	EXTERNAL*								
MYEVCH	0	EXTERNAL*								
MYIDENT	0	EXTERNAL*								
MYRESP	0	EXTERNAL*								
MYSERF	2		4/32 D							

NORJS	0	EXTERNAL*							
NOQLOCK	0	EXTERNAL*							
NUMRESP	0	EXTERNAL*							
OPEN	0	EXTERNAL*							
OPENAB	654		9/29	19/06 L					
OPENDAR	0	EXTERNAL*							
OPENR	0	EXTERNAL*							
OPEN1	704		19/12	19/16	19/21	19/30 L			
OPEN2	705		19/35	19/43 L					
OPERCL	3		4/33 D	8/21	11/08	13/27	19/33		
			7/09	11/06	13/03	14/13	20/15		
OP:::CL	3		7/09 D	9/07	11/38	15/04	16/30	17/40	19/11
			8/10	10/07	12/42	15/07	16/38	18/11	19/43
			8/27	10/12	12/49	16/06	16/41	18/24	20/11
			8/29	11/10	12/52	16/09	16/50	18/28	20/20
			9/06	11/28	14/09	16/13	17/11	18/48	21/04
ORGADDR	0	EXTERNAL*							
ORGCLST	0	EXTERNAL*							
ORGMAP	0	EXTERNAL*							
PAGESW	0	EXTERNAL*							
PASSERR	0	EXTERNAL*							
PRR	0	EXTERNAL*							
PSW	0	EXTERNAL*							
PCLOSE	212		10/04 L	14/18	17/42	18/50	20/23		
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*							
RBUFS	0	EXTERNAL*							
READCAP	0	EXTERNAL*							
READONF	0	EXTERNAL*							
READONL	0	EXTERNAL*							
READRWF	0	EXTERNAL*							
READRWL	0	EXTERNAL*							
REDSHP	0	EXTERNAL*							
REGS	0	EXTERNAL*							
RELCLAM	0	EXTERNAL*							
RELEASE	0	EXTERNAL*							
REQJP	202		9/19	9/22 L					
REQUEST	37		6/09 L	9/08 S					
RESP	0	EXTERNAL*							
RESTREG	0	EXTERNAL*							
RETCLK	0	EXTERNAL*							
RETERR	0	EXTERNAL*							
RETPAR	0	EXTERNAL*							
RETPARM	0	EXTERNAL*							

DISK SYSTEM ACCOUNTANT PROCESS
SYMBOLIC REFERENCE TABLE.

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RETRY	0	EXTERNAL*							
RETURN	0	EXTERNAL*							
RO	1		4/24 D						
ROF	117		4/24	4/24	6/34 L				
ROL	764		4/19	4/24	22/02 L				
RW	0		4/23 D						
RWF	0		4/10 L	4/23	4/23	8/08			
RWL	117		4/19	4/23	6/32 L	8/11			
R.GETDAR	0		13/14	20/16					
R.PUTDAR	1		13/28	19/34					
SAVEREG	0	EXTERNAL*							
SCAN1	260		11/28 L	11/31					
SCAN2	271		11/29	11/35 L					
SCAN2A	272		11/38 L	12/34					
SCAN3	317		11/41	11/44	12/19 L				
SCAN4	321		12/21	12/24 L					
SCAN5	323		12/15	12/33 L					
SCAN6	324		11/27	11/39	12/38 L				
SCAN7	351		12/10	12/52 L					
SCAN8	400		13/22	13/27 L					
SDTIME	1		21/06						
SETESM	142		8/12	8/20 L					
SETPCNT	0	EXTERNAL*							
SETUP	0	EXTERNAL*							
SETUPR	0	EXTERNAL*							
SHCLAIM	0	EXTERNAL*							
SHUTDOWN	430		9/25	15/04 L					
SIZE	0	EXTERNAL*							
SIZES	0	EXTERNAL*							
SLEEP	5		4/25 D	10/13					
SLOTS	0	EXTERNAL*							
START	233		9/23	11/06 L					
STKBUF	0	EXTERNAL*							
SUSPIPL	0	EXTERNAL*							
SW.DDS	0	EXTERNAL*							
SW.SW	0	EXTERNAL*							
SYSERR	73		6/23 L	9/07	10/13	12/53	13/24	16/14	18/29
TABADDR	0	EXTERNAL*							
TEMPA	0	EXTERNAL*							
TEMPB	0	EXTERNAL*							
TEMPC	0	EXTERNAL*							
TEMPE	0	EXTERNAL*							
TEMPF	0	EXTERNAL*							
TEMPE	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*							
TEMPQ	0	EXTERNAL*							
TEMPR	0	EXTERNAL*							
TEMPS	0	EXTERNAL*							
TEMPT	0	EXTERNAL*							
TEMPU	0	EXTERNAL*							
TEMPV	0	EXTERNAL*							
TEMPW	0	EXTERNAL*							
TEMPI	0	EXTERNAL*							
TEMPK	0	EXTERNAL*							
TEMPL	0	EXTERNAL*							

DISK SYSTEM ACCOUNTANT PROCESS
 SYMBOLIC REFERENCE TABLE.

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TEMP10	0	EXTERNAL*				
TEMP11	0	EXTERNAL*				
TEMP2	0	EXTERNAL*				
TEMP3	0	EXTERNAL*				
TEMP4	0	EXTERNAL*				
TEMP5	0	EXTERNAL*				
TEMP6	0	EXTERNAL*				
TEMP7	0	EXTERNAL*				
TEMP8	0	EXTERNAL*				
TEMP9	0	EXTERNAL*				
TERMR0F	0	EXTERNAL*				
TERMRWF	0	EXTERNAL*				
TERMRWL	0	EXTERNAL*				
TOTRESV	43		6/15 L	11/20 S	11/50	12/01 S 13/09
TR.DRIV	0	EXTERNAL*				
TR.LEVL	0	EXTERNAL*				
UDSKSCR	0	EXTERNAL*				
UNLOCK	0	EXTERNAL*				
UNLOCKW	0	EXTERNAL*				
USERID	40		6/10 L	9/12 S	10/11	
USERRWF	0	EXTERNAL*				
USERRWL	0	EXTERNAL*				
USRPACK	0	EXTERNAL*				
WRITCAP	0	EXTERNAL*				
ZEROMAP	0	EXTERNAL*				
ZROMAPR	0	EXTERNAL*				