

00010

XLIST

01900
00010

```

00040
00050
00060
00070
00080
00090
00100
00110
000000 261140 000002 00120
000001 260140 000000 00130
000002 322100 000012' 00140
000003 202107 000017 00150
000004 260140 000001' 00160
000005 322100 000012' 00170
000006 202107 000014 00180
000007 262140 000002 00190
000010 260140 000000 00200
000011 254000 000000 00210
                                00220
000012 262140 000002 00230
000013 254000 000000 00240

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;ROUTINE TO SET UP SAVE-GET DEVICE FILE-NAME TABLE
;CALLED BY COMMAND SETUP ROUTINES AND SAVE GET

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INTERNAL SGSET
EXTERNAL CTEXT1,SETUSR,HOLD,MONJOB
EXTERNAL CONMES,NOTENF,CPOPJ1

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SGSET:  PUSH PDP, TAC1      ;SAVE STARTING ADDRESS(SAVJOB OR GETJOB
        PUSHJ PDP, CTEXT1  ;GET DEVICE NAME FROM COMMAND STRING
        JUMPE TAC1,SGSET1
        MOVEM TAC1, 17(PROG)      ;SAVE IN UUO AC AREA
        PUSHJ PDP, CTEXT1  ;GET FILE NAME FROM COMMAND STRING
        JUMPE TAC1,SGSET1
        MOVEM TAC1, 14(PROG)
        POP PDP, TAC1      ;SCHEDULE MONITOR JOB
        PUSHJ PDP, MONJOB
        JRST CPOPJ1        ;SUPRESS CR-LF PRINTED BY COMINI

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SGSET1: POP PDP,TAC1
        JRST NOTENF

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000014	265040	000076'	00250	
000015	200551	000000	00260	
000016	202551	000000	00270	
000017	200540	000000	00280	
000020	202547	000016	00290	
000021	260152	000004	00300	
000022	254000	000031'	00310	
000023	260140	000134'	00320	
000024	260140	000000	00330	
000025	265040	000054'	00340	
000026	452370	220246	00350	
000027	406550	542032	00360	
000030	050000	000000	00370	
000031	265040	000054'	00380	
000032	422232	242606	00390	
000033	522372	254500	00400	
000034	432531	446032	00410	
000035	050000	000000	00420	
			00430	
			00440	
			00450	
			00460	
			00470	
			00480	
			00490	
			00500	
			00510	
			00520	
			00530	
			00540	
			00550	
			00560	

;THIS JOB SAVES A JOB AREA ON RETRIEVABLE STORAGE
 ;THIS JOB RUNS IN EXEC. MODE AND CALLS IO ROUTINES DIRECTLY
 ;NO ATTEMPT IS MADE TO SAVE STATUS OF IO DEVICES, JOBPDP, OR ACS
 ;IN FACT THE ONLY USEFUL THING WHICH MAY BE DONE WITH A JOB AREA
 ;AFTER IT HAS BEEN SAVED IS TO START EXECUTION OVER AT THE STARTING
 ;ADDRESS

 INTERNAL SAVJOB
 EXTERNAL USRPDP, OUT, USRREL, JOBPFI, JOB41, JOBS41, THSDAT

 T=BUFPNT ;TEMPORARY ACS
 T1=BUFWRD

 SAVJOB: JSP TAC, SG1 ;SET UP ACS AND ASSIGN DEVICE
 MOVE T1, JOB41(JDAT) ;SAVE USR UO HANDLING JSR
 MOVEM T1, JOBS41(JDAT)
 MOVE T1, THSDAT ;SET DATE IN THIRD WORD
 MOVEM T1, 16(PROG)
 PUSHJ PDP, DEN(T) ;ENTER FILE NAME IN DIRECTORY
 JRST SAV4 ;DIRECTORY FULL
 PUSHJ PDP, SETLST ;SET DUMP COMMAND LIST IN USER ARE
 PUSHJ PDP, OUT ;DO AN OUTPUT
 JSP TAC, SG2

 ASCIZ /JOB SAVED

 /
 SAV4: JSP TAC, SG2

 ASCIZ /DIRECTORY FULL

 /

			00570		
			00580		
			00590		;THIS JOB GETS A JOB AREA FROM A RETRIEVABLE DEVICE
			00600		;THIS JOB RUNS IN EXEC. MODE AND CALLS IO ROUTINES DIRECTLY
			00610		;NO ATTEMPT IS MADE TO RESTORE STATUS OF IO DEVICES, PC, OR ACS
			00620		;JOBPC IS SET TO STARTING ADDRESS OF JOB
			00630		;CORE MUST ALREADY HAVE BEEN ASSIGNED AND THE FOLLOWING LOC. SETUP IN
			00640		;JOB DATA AREA:
			00650		;JOBPDP, JOBRER
			00660		
			00670		INTERNAL GETJOB
			00680		EXTERNAL USRREL, IN
			00690		
000036	265040	000076'	00700	GETJOB:	JSP TAC, SG1 ;SETUP ACS AND ASSIGN DEVICE
000037	260152	000005	00710		PUSHJ PDP, DLK(T) ;LOOKUP FILE NAME IN DIRECTORY
000040	254000	000047'	00720		JRST GET2 ;NOT FOUND
000041	260140	000134'	00730		PUSHJ PDP, SETLST ;SET DUMP COMMAND LIST IN USER ARE
000042	260140	000000	00740		PUSHJ PDP, IN ;DO AN INPUT
000043	265040	000054'	00750		JSP TAC,SG2
			00760		
000044	452370	220246	00770		ASCIZ /JOB SETUP
000045	426512	550032			
000046	050000	000000	00780	/	
			00790		
000047	265040	000054'	00800	GET2:	JSP TAC,SG2
			00810		
000050	432231	442500	00820		ASCIZ /FILE NOT FOUND
000051	472372	420214			
000052	476531	642032			
000053	050000	000000	00830	/	

		00840	
		00850	
		00860	;ROUTINE TERMINATES SAVJOB AND GETJOB
		00870	;CLOSE, RELEASE, CHECK FOR ERRORS AND PRINT MESSAGE AND STOP JOB
		00880	;ADDRESS OF MESSAGE IN AC TAC
		00890	
		00900	EXTERNAL RELEA2, SETUSR, TTYFNU, WAIT1,JOBS41,JOB41
		00910	
		00920	ERRORS=1B18+1B19+1B20+1B21 ;ERRORS CHECKED FOR IN IO TRANSMISSION
		00930	
000054	260140 000000	00940	SG2: PUSHJ PDP, WAIT1
000055	602000 740000	00950	TRNE IOS, ERRORS ;ANY ERRORS?
000056	254000 000070	00960	JRST SG2A ;AN ERROR
000057	261140 000001	00970	PUSH PDP,TAC ;SAVE PRINT ADDRESS
000060	260140 000000	00980	PUSHJ PDP, RELEA2 ;RELEASE DEVICE
000061	260140 000000	00990	PUSHJ PDP, SETUSR ;SETUP COPY OF JOB AREA STORED IN SYSTE

000062	200051	000016'	01000
			01010
000063	202051	000015'	01020
000064	260140	000000	01030
000065	262140	000001	01040
000066	260140	000000	01050
000067	254000	000000	01060
			01070
000070	265040	000064'	01080
			01090
000071	522450	147246	01100
000072	466232	351622	
000073	476344	042644	
000074	512372	206424	01110
000075	000000	000000	

	MOVE TAC,JOBS41(JDAT)
	;RESTORE USER LOCATION 41
	MOVEM TAC,JOBS41(JDAT)
SG4:	PUSHJ PDP,TTYFNU ;FIND TELETYPE
	POP PDP, TAC ;RESTORE PRINT MESSAGE ADDRES
SG5:	PUSHJ PDP,CONMES
	JRST HOLD
SG2A:	JSP TAC,SG4
	ASCIZ /TRANSMISSION ERROR

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		01120	
		01130	
		01140	;ROUTINE CALED BY SAVJOB AND GETJOBTO SETUP ACS
		01150	;AND ASSIGN DEVICE
		01160	;CALL: JSP TAC, SG1
		01170	
		01180	EXTERNAL JOBDAT, JOB, UINIT1, WAIT1, JOBADR, RESET
		01190	
000076	505140	777763	01200 SG1: HRLI PDP, -15 ;SET UP PD LIST IN UUO ACS
000077	541147	777777	01210 HRRI PDP, -1(PROG)
000100	261140	000001	01220 PUSH PDP, TAC ;SAVE RETURN ADDRESS
000101	260140	000000	01230 PUSHJ PDP, RESET ;DO RESET UUO
000102	201600	000017	01240 MOVEI UUO, D ;DUMP MODE
000103	200047	000017	01250 MOVE TAC, 17(PROG) ;DEVICE NAME
000104	201340	000000	01260 MOVEI PROG, 0 ;PRETEND RELOC. IS 0
000105	260140	000000	01270 PUSHJ PDP, UINIT1 ;ASSIGN DEVICE
000106	000000	000000	01280 0 ;IBF, OBF
000107	254000	000124	01290 JRST SGERRA ;NOT AVAILABLE
000110	200006	000002	01300 MOVE IOS, DEVIOS(DEVDAT) ;SETUP IOS
000111	201600	000014	01310 MOVEI UUO, 14 ;REL. ADDRESS OF 4 WORD DIRECTORY ENTRY
000112	200340	000000	01320 MOVE PROG, JOBADR ;RESTORE PROG
000113	205500	445560	01330 MOVSJ T, 445560 ;SET FILE EXTENSION TO DMP
000114	202507	000015	01340 MOVEM T, 15(PROG)
000115	402007	000016	01350 SETZM 16(PROG)
000116	210540	000000	01360 MOVN T1, USRREL ;SET NEG. WORD COUNT FROM JOBR
000117	271540	000000	01370 ADDI T1, JOBPFI ;DONT DUMP LOC. 0-JOBPFI
000120	505540	000117	01380 HRLI T1, JOBPFI
000121	206547	000017	01390 MOVSM T1, 17(PROG) ;STORE IN 4TH WORD OF DIRECTORY
000122	200506	000003	01400 MOVE T, DEVSER(DEVDAT) ;SETUP FOR DOING ENTER OF L00
000123	263140	000000	01410 POPJ PDP,
		01420	
000124	201040	000127	01430 SGERRA: MOVEI TAC, SGNVL
000125	261140	000001	01440 PUSH PDP, TAC
000126	254000	000064	01450 JRST SG4
		01460	
000127	422132	644606	01470 SGNVL: ASCIIZ /DEVICE NOT AVAILABLE
000130	425011	647650	
000131	202032	640622	
000132	462030	246212	
000133	064240	000000	01480 /

			01490
			01500
			01510
			01520
			01530
000134	200507	000017	01540
000135	202507	000016	01550
000136	402007	000017	01560
000137	574500	000012	01570
000140	270500	000116'	01580
000141	321500	000144'	01590
000142	201600	000016	01600
000143	263140	000000	01610
			01620
000144	260140	000060'	01630
000145	260140	000064'	01640
000146	255000	000000	01650
000147	574047	000016	01660
000150	213000	000001	01670
000151	242040	777766	01680
000152	271040	000001	01690
000153	201100	000012	01700
000154	260140	000000	01710
000155	265040	000066'	01720
			01730
000156	201431	320204	01740
000157	462370	345646	
000160	202370	620206	
000161	476450	520234	
000162	426130	442610	
000163	064240	000000	01750
			01760
			01770

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;ROUTINE TO SET DUMP MODE COMMAND LIST IN USER AREA

EXTERNAL ANYRDX,RELEA2,TTYFNU

SETLST:  MOVE T, 17(PROG)      ;4TH WORD FROM DIRECTORY
          MOVEM T, 16(PROG)
          SETZM 17(PROG)
          HLRE T, T
          ADD T, USRREL
          JUMPL T, NOROOM
          MOVEI UUO,16          ;DUMP MODE
          POPJ PDP,

NOROOM:  PUSHJ PDP,RELEA2
          PUSHJ PDP,TTYFNU
          JFCL
          HLRE TAC, 16(PROG)  ;PRINT NO. OF BLOCKS NEEDED
          MOVNS TAC
          LSH TAC, -12
          ADDI TAC, 1
          MOVEI TAC1, 12
          PUSHJ PDP, ANYRDX
          JSP TAC,SG5

          ASCIZ / 1K BLOCKS OF CORE NEEDED

/

END,

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THERE ARE NO ERRORS

PROGRAM BREAK IS 000164

SAVGET- SAVE AND GET COMMANDS
SYMBOL TABLE

PAGE 10

A	000000	INT
AC1	000015	INT
AC2	000016	INT
AC3	000017	INT
AL	000001	INT
ANYRDX	000154'	EXT
ASSCON	400000	INT
ASSPRG	200000	INT
B	000014	INT
BUFPNT	000012	INT
BUFWRD	000013	INT
CLOS8	002000	INT
CONMES	000066'	EXT
CPOPJ1	000011'	EXT
CTFXT1	000004'	EXT
D	000017	INT
DAT	000005	INT
DCL	000001	INT
DCW	020000	INT
DDI	000007	INT
DDO	000006	INT
DDTMEM	000037	INT
DDTSYM	000036	INT
DEN	000004	INT
DEVADR	000007	INT
DEVBUF	000006	INT
DEVCHR	000001	INT
DEVCTR	000011	INT
DEVDAT	000006	INT
DEVIAD	000007	INT
DEVIOS	000002	INT
DEVLOG	000005	INT
DEVMOD	000004	INT
DEVNAM	000000	INT
DEVOAD	000010	INT
DEVPTR	000010	INT
DEVSER	000003	INT
DGF	000012	INT
DIN	000003	INT
DLK	000005	INT
DOU	000002	INT
DR	000016	INT
DRL	000000	INT
DSI	000011	INT
DSO	000010	INT
DTW	040000	INT
DVAVAL	000040	INT
DVDIR	000004	INT
DVDIRI	400000	INT
DVIN	000002	INT
DVLPT	040000	INT
DVMTA	000020	INT
DVOUT	000001	INT
DVTTY	000010	INT
ENTRB	020000	INT

SAVGET- SAVE AND GET COMMANDS
SYMBOL TABLE

PAGE 11

FRRORS	740000	
GET2	000047'	
GETJOB	000036'	INT
HOLD	000067'	FXT
I	000010	INT
IB	000013	INT
IBUFB	200000	INT
IN	000042'	FXT
INITB	400000	INT
INPB	010000	INT
IO	000020	INT
IOACT	010000	INT
IOREG	000002	INT
IOBKTL	040000	INT
IOCON	000040	INT
IODEND	020000	INT
IODERR	200000	INT
IODISC	400000	INT
IODONE	400000	INT
IODTER	100000	INT
IOEND	000040	INT
IOFST	000004	INT
IOIMPM	400000	INT
IONRCK	000100	INT
IORDEL	000100	INT
IORET	000020	INT
IOS	000000	INT
IOSTRT	000010	INT
IOUSE	400000	INT
IOW	000001	INT
IOWC	000020	INT
IOWS	400000	INT
ITFM	000004	INT
JBFAADR	000000	INT
JBFCR	000002	INT
JBFPTR	000001	INT
JBUF	000005	INT
JDAT	000011	INT
JERR	002000	INT
JIOW	100000	INT
JNA	004000	INT
JOR	000000	FXT
JOR41	000063'	FXT
JORADR	000112'	FXT
JORDAT	000000	FXT
JORPFI	000120'	FXT
JORS41	000062'	FXT
LOOKB	040000	INT
MONJOB	000010'	FXT
MTW	010000	INT
NOROOM	000144'	
NOTENF	000013'	FXT
OBUFB	100000	INT
OUT	000024'	FXT
OUTPB	004000	INT

SAVGET- SAVE AND GET COMMANDS
SYMBOL TABLE

PAGE 12

PDP	000003	INT
PICHN	000100	INT
PROG	000007	INT
RELEA2	000144'	EXT
RESET	000101'	EXT
RUN	200000	INT
RUNABL	204000	INT
SAV4	000031'	
SAVJOB	000014'	INT
SETLST	000134'	
SETUSR	000061'	EXT
SG1	000076'	
SG2	000054'	
SG2A	000070'	
SG4	000064'	
SG5	000066'	
SGFERRA	000124'	
SGNAVL	000127'	
SGSET	000000'	INT
SGSET1	000012'	
T	000012	
T1	000013	
TAC	000001	INT
TAC1	000002	INT
TEM	000010	INT
THSDAT	000017'	EXT
TTYATC	020000	INT
TTYFNU	000145'	EXT
TTYUSE	010000	INT
UINIT1	000105'	EXT
USRM0D	010000	INT
USRPDP	000000	EXT
USRREL	000140'	EXT
UUO	000014	INT
WAIT1	000054'	EXT

END OF ASSEMBLY