

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
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 UO 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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00250
00260
00270 ;THIS JOB SAVES A JOB AREA ON RETRIEVABLE STORAGE
00280 ;THIS JOB RUNS IN EXEC. MODE AND CALLS IO ROUTINES DIRECTLY
00290 ;NO ATTEMPT IS MADE TO SAVE STATUS OF IO DEVICES, JOBPDP, OR ACS
00300 ;IN FACT THE ONLY USEFUL THING WHICH MAY BE DONE WITH A JOB AREA
00310 ;AFTER IT HAS BEEN SAVED IS TO START EXECUTION OVER AT THE STARTING
00320 ;ADDRESS
00330
00340 INTERNAL SAVJOB
00350 EXTERNAL USRPDP, OUT, USRREL, JOBPFI, JOB41, JOBS41, THSDAT
00360
00370 T=BUFPNT ;TEMPORARY ACS
00380 T1=BUFWRD
00390
000014 265040 000076' 00400 SAVJOB: JSP TAC, SG1 ;SET UP ACS AND ASSIGN DEVICE
000015 200551 000000 00410 MOVE T1, JOB41(JDAT) ;SAVE USR UO HANDLING JSR
000016 202551 000000 00420 MOVEM T1, JOBS41(JDAT)
000017 200540 000000 00430 MOVE T1, THSDAT ;SET DATE IN THIRD WORD
000020 202547 000016 00440 MOVEM T1, 16(PROG)
000021 260152 000004 00450 PUSHJ PDP, DEN(T) ;ENTER FILE NAME IN DIRECTORY
000022 254000 000031' 00460 JRST SAV4 ;DIRECTORY FULL
000023 260140 000134' 00470 PUSHJ PDP, SETLST ;SET DUMP COMMAND LIST IN USER ARE
000024 260140 000000 00480 PUSHJ PDP, OUT ;DO AN OUTPUT
000025 265040 000054' 00490 JSP TAC, SG2
00500
000026 452370 220246 00510 ASCIZ /JOB SAVED
000027 406550 542032
000030 050000 000000 00520 /
000031 265040 000054' 00530 SAV4: JSP TAC, SG2
00540
000032 422232 242606 00550 ASCIZ /DIRECTORY FULL
000033 522372 254500
000034 432531 446032
000035 050000 000000 00560 /

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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, JOBREL
00660
00670 INTERNAL GETJOB
00680 EXTERNAL USRREL, IN
00690
00700 GETJOB: JSP TAC, SG1 ;SETUP ACS AND ASSIGN DEVICE
00710 PUSHJ PDP, DLK(T) ;LOOKUP FILE NAME IN DIRECTORY
00720 JRST GET2 ;NOT FOUND
00730 PUSHJ PDP, SETLST ;SET DUMP COMMAND LIST IN USER ARE
00740 PUSHJ PDP, IN ;DO AN INPUT
00750 JSP TAC,SG2
00760
00770 ASCIZ /JOB SETUP
00780 /
00790
00800 GET2: JSP TAC,SG2
00810
00820 ASCIZ /FILE NOT FOUND
00830 /
000036 265040 000076'
000037 260152 000005
000040 254000 000047'
000041 260140 000134'
000042 260140 000000
000043 265040 000054'
000044 452370 220246
000045 426512 550032
000046 050000 000000
000047 265040 000054'
000050 432231 442500
000051 472372 420214
000052 476531 642032
000053 050000 000000
  
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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
00940 SG2: PUSHJ PDP, WAIT1
00950 TRNE IOS, ERRORS ;ANY ERRORS?
00960 JRST SG2A ;AN ERROR
00970 PUSH PDP, TAC ;SAVE PRINT ADDRESS
00980 PUSHJ PDP, RELEA2 ;RELEASE DEVICE
00990 PUSHJ PDP, SETUSR ;SETUP COPY OF JOB AREA STORED IN SYSTE
```

000054	260140	000000	00940
000055	602000	740000	00950
000056	254000	000070	00960
000057	261140	000001	00970
000060	260140	000000	00980
000061	260140	000000	00990

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,JOB41(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 JOB DAT, JOB, UINIT1, WAIT1, JOBADR, RESET
01190
000076 505140 777763 01200 SG1: HRLI PDP, -15 ;SET UP PD LIST IN UO ACS
000077 541147 777777 01210 HRLI PDP, -1(PROG)
000100 261140 000001 01220 PUSH PDP, TAC ;SAVE RETURN ADDRESS
000101 260140 000000 01230 PUSHJ PDP, RESET ;DO RESET UO
000102 201600 000017 01240 MOVEI UO, 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 ;IBF, OBF
000107 254000 000124 01290 JRST SGERRA ;NOT AVAILABLE
000110 200006 000002 01300 MOVE IOS, DEVIOS(DEV DAT) ;SETUP IOS
000111 201600 000014 01310 MOVEI UO, 14 ;REL. ADDRESS OF 4 WORD DIRECTORY ENTRY
000112 200340 000000 01320 MOVE PROG, JOBADR ;RESTORE PROG
000113 205500 445560 01330 MOVSI 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 JOBREL
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(DEV DAT) ;SETUP FOR DOING ENTER OF LOO
000123 263140 000000 01410 POPJ PDP,
01420
000124 201040 000127 01430 SGERRA: MOVEI TAC, SGN AVL
000125 261140 000001 01440 PUSH PDP, TAC
000126 254000 000064 01450 JRST SG4
01460
000127 422132 644606 01470 SGN AVL: ASCIZ /DEVICE NOT AVAILABLE
000130 425011 647650
000131 202032 640622
000132 462030 246212
000133 064240 000000 01480 /

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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

;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,

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

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
JBFADR	000000	INT
JBFCTR	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'	EXT
JORDAT	000000	EXT
JORPFI	000120'	FXT
JORS41	000062'	EXT
LOOKB	040000	INT
MONJOB	000010'	EXT
MTW	010000	INT
NOROOM	000144'	
NOTENF	000013'	EXT
OBUFB	100000	INT
OUT	000024'	EXT
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'	FXT
TTYATC	020000	INT
TTYFNU	000145'	EXT
TTYUSE	010000	INT
UINIT1	000105'	FXT
USRMOD	010000	INT
USRPPD	000000	EXT
USRREL	000140'	EXT
UUO	000014	INT
WAIT1	000054'	EXT

END OF ASSEMBLY