

00010

XLIST

01970

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00030
00040 ;CALLED FROM CLOCK ROUTINE WHEN COMCNT IS GREATER THAN 0
00050 ;AS SET BY TTY SERVICE ROUTINE
00060 ;ALL ACS HAVE BEEN SAVED BY CLOCK CHANNEL
00070 ;THE COMMAND DECODER CALLS TTYCOM WHICH SCANS FOR TTY WHICH TYPED
00080 ;THE COMMAND AND THEN DISPATCHES(PUSHJ) TO APPROPRIATE
00090 ;COMMAND SETUP ROUTINE OF THE SAME NAME WITH ACS SET AS:
00100 ;ITEM = JOB NUMBER
00110 ;TAC = BYTE POINTER TO COMMAND STRING(SPACE OR CR AFTER COMMAND NAME)
00120 ;DAT = BYTE POINTER TO LAST OUTPUT CHARACTER
00130 ;DEV DAT = ADDRESS OF DEVICE DATA BLOCK TYPING COMMAND
00140 ;JDAT = ADDRESS OF JOB AREA, = 0 IF NO JOB AREA
00150 ;PROG = ADDRESS OF PROGRAM AREA
00160 ;DEV DAT IS ALSO PUSHED ON END OF PD LIST SO IT MAY BE DESTROYED
00170 ;UPON RETURN FROM COMMAND SETUP ROUTINE, A CR-LF IS ADDED TO
00180 ;MESSAGE AND TTY IS STARTED ON TTY SPECIFIED BY -1(PDP)
00190
00200 ;SINCE THE COMMAND DECODER IS CALLED FROM THE CLOCK ROUTINE
00210 ;COMMAND SETUP ROUTINE MUST RUN TO COMPLETION QUICKLY
00220 ;IF A COMMAND FUNCTION CANNOT DO THIS, IT MUST JUST SET
00230 ;THE JOB TO RUNABLE STATUS AND RETURN IMMEDIATELY
00240
00250 INTERNAL COMMAND
00260 EXTERNAL TTYCOM,TTYSTR,CTEXT,JBTADR,CONMES
00270 EXTERNAL COMERR,COMCNT
00280 EXTERNAL JOBINI,CRLF,CTEXT1,RADX10,ASSJOB,JBTSTS
00290
00300 T=BUFPNT ;TEMPORARY ACS
00310 T1=BUFWRD
00320
```

000000	260140	000000	00330
000001	254000	000041'	00340
000002	261140	000006	00350
000003	260140	000000	00360
000004	322100	000043'	00370
000005	205500	777760	00380
000006	312112	000074'	00390
000007	253500	000006'	00400
000010	325500	000047'	00410
000011	200112	000114'	00420
000012	326200	000026'	00430
000013	603100	200000	00440
000014	254000	000026'	00450
000015	260140	000000	00460
000016	254000	000067'	00470
			00480
			00490

```
COMMAND:  PUSHJ PDP, TTYCOM      ;SETUP DEVDAT,DAT,TAC, AND ITEM
          JRST COM2                ;NONE FOUND
          PUSH PDP,DEV DAT        ;SAVE TTY DDB ADDRESS
          PUSHJ PDP, CTEXT        ;RETURN COMMAND NAME IN TAC1
          JUMPE TAC1, COM2A       ;IGNORE BLANK LINE
          MOVSI T, -DISPL         ;SEARCH FOR COMMAND NAME
          CAME TAC1, COMTAB(T)
          AOBJN T, .-1
          JUMPGE T,COM2B          ;WAS COMMAND FOUND?
          MOVE TAC1,DISP(T)       ;YES, GET DISPATCH ADDRESS AND BITS
          JUMPN ITEM, COM1        ;HAS A JOB NUMBER BEEN ASSIGNED
          TLNE TAC1,NOJOBN        ;NO, IS A JOB NUMBER NEEDED FOR THIS CO
          JRST COM1 ;NO
          PUSHJ PDP,ASSJOB        ;TRY TO ASSIGN A FREE JOB NUMBER
          JRST COM3A              ;NONE AVAILABLE, ERROR MESSAGE
```

000017	261140	000001	00500		
000020	261140	000002	00510	PUSH PDP, TAC	;SAVE INPUT BYTE POINTER
000021	403340	000011	00520	PUSH PDP, TAC1	;SAVE ADDRESS OF COMMAND ROUTINE
000022	260140	000000	00530	SETZB PROG, JDAT	;NO CORE, CLEAR REL. ADDRESS
000023	262140	000002	00540	PUSHJ PDP, JOBINI	;INITIALIZE JOB
000024	262140	000001	00550	POP PDP, TAC1	;RESTORE ADR OF COMMAND ROUTINE
000025	202303	000000	00560	POP PDP, TAC	;RESTORE INPUT BYTE POINTER
000026	550444	000000	00570	MOVEM DEVDAT, (PDP)	;SET ADDRESS OF TTY DEV. DATA BLOCK
000027	336340	000011	00580	COM1: HRRZ JDAT, JBTADR(ITEM)	;AND JOB DATA AREA
000030	603100	400000	00590	SKIPN PROG, JDAT	;SET PROG. DOES JOB HAVE CORE?
000031	254000	000035'	00600	TLNE TAC1, NOCORE	;NO, IS CORE NEEDED FOR THIS COMMAND?
000032	201040	000051'	00610	JRST COM1C	;NO
000033	260140	000000	00620	MOVEI TAC, NOCOR	;YES, PRINT "NO CORE ASSIGNED"
000034	254000	000036'	00630	COM1B: PUSHJ PDP, CONMES	
			00640	JRST COM1A	
			00650		
000035	260142	000000	00660	COM1C: PUSHJ PDP, (TAC1)	;DISPATCH TO COMMAND SETUP ROUTINE
000036	326200	000055'	00670	COM1A: JUMPN ITEM, COM3	;ADD CR-LF AND CHECK FOR JOB INIT.
000037	262140	000006	00680	COM1D: POP PDP, DEVDAT	;RESTORE TTY DDB ADDRESS
000040	260140	000000	00690	PUSHJ PDP, TTYSTR	;START OUTPUT, IF ANY
000041	370000	000000	00700	COM2: SOS COMCNT	;DECREMENT COMMAND COUNT
000042	263140	000000	00710	POPJ PDP,	;EXIT
			00720		
000043	135100	000001	00730	COM2A: LDB TAC1, TAC	;NULL FIELD, WAS BREAK CHAR. A CR?
000044	302100	000015	00740	CAIE TAC1, 15	;A CR?
000045	306100	000073	00750	CAIN TAC1, ";"	;OR A SEMI COLON?
000046	254000	000037'	00760	JRST COM1D	;YES, IGNORE LINE
000047	260140	000000	00770	COM2B: PUSHJ PDP, COMERR	;NO, PRINT MONITOR COMMAND ERROR
000050	254000	000037'	00780	JRST COM1D	
			00790		
000051	472364	041636	00800	NOCOR: ASCIZ /NO CORE ASSIGNED	
000052	512124	040646			
000053	516230	747212			
000054	420321	200000	00810	/	
			00820		
000055	200044	000000	00830	COM3: MOVE TAC, JBTSTS(ITEM)	;GET STATUS WORD
000056	663040	004000	00840	TLOE TAC, JNA	;IS JOB NO ASSIGNED BIT ON YE
000057	254000	000067'	00850	JRST COM3A	;YES, JOB INIT. BEFORE
000060	202044	000055'	00860	MOVEM TAC, JBTSTS(ITEM)	
000061	201040	000134'	00870	MOVEI TAC, [ASCIZ /JOB /]	
000062	260140	000033'	00880	PUSHJ PDP, CONMES	;PRINT JOB N INITIALIZED
000063	200040	000004	00890	MOVE TAC, ITEM	
000064	260140	000000	00900	PUSHJ PDP, RADX10	;PRINT JOB NUMBER
000065	201040	000071'	00910	MOVEI TAC, JOBM	
000066	260140	000062'	00920	PUSHJ PDP, CONMES	
000067	260140	000000	00930	COM3A: PUSHJ PDP, CRLF	
000070	254000	000037'	00940	JRST COM1D	
			00950		
000071	202231	644650	00960	JOBM: ASCIZ / INITIALIZED	
000072	446031	444664			
000073	426101	505000	00970	/	
			00980		

```
00990
01000 ;TABLE OF CONSOLE COMMANDS
01010
01020 NOCORE=400000 ;NO CORE NEEDED FOR COMMAND
01030 NOJOBN=200000 ;NO JOB NUMBER NEEDED FOR COMMAND
01040
01050 DEFINE NAMES
01060 <REPEAT 0,<
01070 C G,COMERR,0
01080 >
01090 C CORE,CORE,NOCORE
01100 C GET,GET,0
01110 C START,START,0
01120 C IJOB,IJOB,NOCORE+NOJOBN
01130 C PJOB,PJOB,NOCORE
01140 C KJOB,KJOB,NOCORE
01150 C SAVE,SAVE,0
01160 REPEAT 0,<
01170 C RESAVE,COMERR,0
01180 >
01190 C CONT,CONT,0
01200 C DDT,DDTGO,0
01210 C ASSIGN,ASSIGN,NOCORE
01220 C DEASSI,DEASSIGN,NOCORE
01230 C STARTC,STARTC,0
01240 C CONTC,CONTC,0
01250 C DETACH,DETACH,NOCORE+NOJOBN
01260 C ATTACH,ATTACH,NOCORE+NOJOBN
01270 REPEAT 0,<
01280 C MTAPE,COMERR,0
01290 C DAYTIM,COMERR,NOCORE
01300 C RUNTIM,COMERR,NOCORE
01310 C TOTTIM,COMERR,NOCORE
01320 C NULTIM,COMERR,NOCORE
01330 C SYSDDT,COMERR,NOCORE
01340 C SYSMK,SYSMK,0
01350 >
01360 C DIGITAL,DIGITAL,NOCORE+NOJOBN
01370 >
```

```
01380
01390 ;GENERATE TABLE OF SIXBIT COMMAND NAMES
01400
01410 DEFINE C(A,B,C)
01420 < ZZ= .+1
01430 SIXBIT /A/
01440 IFN .-ZZ,<RELOC ZZ> ;ONLY FIRST 6 CHARACTERS
01450 >
01460
01470 COMTAB: NAMES
SIXBIT /CORE/
SIXBIT /GET/
SIXBIT /START/
SIXBIT /IJOB/
SIXBIT /PJOB/
SIXBIT /KJOB/
SIXBIT /SAVE/
SIXBIT /CONT/
SIXBIT /DDT/
SIXBIT /ASSIGN/
SIXBIT /DEASSI/
SIXBIT /STARTC/
SIXBIT /CONTC/
SIXBIT /DETACH/
SIXBIT /ATTACH/
SIXBIT /DIGITAL/

000074 435762 450000
000075 474564 000000
000076 636441 626400
000077 515257 420000
000100 605257 420000
000101 535257 420000
000102 634166 450000
000103 435756 640000
000104 444464 000000
000105 416363 514756
000106 444541 636351
000107 636441 626443
000110 435756 644300
000111 444564 414350
000112 416464 414350
000113 445147 516441
000114 540000 000000

01480 DISPL=.-COMTAB ;LENGTH OF TABLE
```

```
01490
01500      ;GENERATE THE DISPATCH TABLE
01510
01520      DEFINE C(A,B,C)
01530      <          XWD C,B
01540      EXTERNAL B
01550      >
01560
01570      DISP:      NAMES
XWD NOCORE,CORE
XWD 0,GET
XWD 0,START
XWD NOCORE+NOJOBN,IJOB
XWD NOCORE,PJOB
XWD NOCORE,KJOB
XWD 0,SAVE
XWD 0,CONT
XWD 0,DDTGO
XWD NOCORE,ASSIGN
XWD NOCORE,DEASSIGN
XWD 0,STARTC
XWD 0,CONTC
XWD NOCORE+NOJOBN,DETACH
XWD NOCORE+NOJOBN,ATTACH
XWD NOCORE+NOJOBN,DIGITAL
01580
01590      END,
```

```
000114  400000  000000
000115  000000  000000
000116  000000  000000
000117  600000  000000
000120  400000  000000
000121  400000  000000
000122  000000  000000
000123  000000  000000
000124  000000  000000
000125  400000  000000
000126  400000  000000
000127  000000  000000
000130  000000  000000
000131  600000  000000
000132  600000  000000
000133  600000  000000
000134  452370  220000
```

THERE ARE NO ERRORS

PROGRAM BREAK IS 000135

COMINI - THE COMMAND DECODER
SYMBOL TABLE

A	000000	INT
AC1	000015	INT
AC2	000016	INT
AC3	000017	INT
AL	000001	INT
ASSCON	400000	INT
ASSIGN	000125	EXT
ASSJOB	000015	EXT
ASSPRG	200000	INT
ATTACH	000132	EXT
R	000014	INT
BUFPNT	000012	INT
BUFWRD	000013	INT
CLOSR	002000	INT
CLSIN	000002	INT
CLSOUT	000001	INT
COM1	000026	
COM1A	000036	
COM1B	000033	
COM1C	000035	
COM1D	000037	
COM2	000041	
COM2A	000043	
COM2B	000047	
COM3	000055	
COM3A	000067	
COMCNT	000041	EXT
COMERR	000047	EXT
COMMAN	000000	INT
COMTAB	000074	
CONMES	000066	EXT
CONT	000123	EXT
CONTC	000130	EXT
CORE	000114	EXT
CRLF	000067	EXT
CTEXT	000003	EXT
CTEXT1	000000	EXT
D	000017	INT
DAT	000005	INT
DCL	000001	INT
DCW	020000	INT
DDI	000007	INT
DDO	000006	INT
DDTGO	000124	EXT
DDTMEM	000037	INT
DDTSYM	000036	INT
DEASSI	000126	EXT
DEN	000004	INT
DETACH	000131	EXT
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
DIGITA	000133'	EXT
DIN	000003	INT
DISP	000114'	
DISPL	000020	
DLK	000005	INT
DOU	000002	INT
DR	000016	INT
DRL	000000	INT
DSI	000011	INT
DSO	000010	INT
DTW	040000	INT
DVAVAL	000040	INT
DVCDR	100000	INT
DVDIR	000004	INT
DVDIRI	400000	INT
DVIN	000002	INT
DVLPT	040000	INT
DVMTA	000020	INT
DVOUT	000001	INT
DVTTY	000010	INT
FNTRB	020000	INT
GET	000115'	EXT
I	000010	INT
IB	000013	INT
IBUFR	200000	INT
IJOB	000117'	EXT
INITR	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
JBTADR	000026'	EXT
JBTSTS	000060'	EXT
JBUF	000005	INT
JDAT	000011	INT
JERR	002000	INT
JIOW	100000	INT
JNA	004000	INT
JORINI	000022'	EXT
JORM	000071'	
KJOB	000121'	EXT
LOOKB	040000	INT
MTW	010000	INT
NOCOR	000051'	
NOCORE	400000	
NOJOBN	200000	
OBUF8	100000	INT
OUTPB	004000	INT
PDP	000003	INT
PICHN	000100	INT
PJOB	000120'	EXT
PROG	000007	INT
RADX10	000064'	EXT
RUN	200000	INT
RUNABL	204000	INT
SAVE	000122'	EXT
START	000116'	EXT
STARTC	000127'	EXT
T	000012	
T1	000013	
TAC	000001	INT
TAC1	000002	INT
TEM	000010	INT
TTYATC	020000	INT
TTYCOM	000000'	EXT
TTYSTR	000040'	EXT
TTYUSE	010000	INT
USRMOD	010000	INT
UUO	000014	INT
ZZ	000114'	

END OF ASSEMBLY