


```

SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  UU  UU  TTTTTTTTTT  000000  77777777
SSSSSSSS  AAAAAA  TTTTTTTTTT  SSSSSSSS  UU  UU  TTTTTTTTTT  000000  77777777
SS        AA      AA      TT        SS        UU  UU  TT        00      00      77
SS        AA      AA      TT        SS        UU  UU  TT        00      00      77
SS        AA      AA      TT        SS        UU  UU  TT        00      0000     77
SS        AA      AA      TT        SS        UU  UU  TT        00      0000     77
SSSSSSS   AA      AA      TT        SSSSSS   UU  UU  TT        00      00      77
SSSSSSS   AA      AA      TT        SSSSSS   UU  UU  TT        00      00      77
          SS   AAAAAAAAAA  TT        SS        UU  UU  TT        0000     00      77
          SS   AAAAAAAAAA  TT        SS        UU  UU  TT        0000     00      77
          SS   AA      AA   TT        SS        UU  UU  TT        00      00      77
          SS   AA      AA   TT        SS        UU  UU  TT        00      00      77
SSSSSSSS  AA      AA   TT        SSSSSSSS  UUUUUUUUUU  TT        000000  77
SSSSSSSS  AA      AA   TT        SSSSSSSS  UUUUUUUUUU  TT        000000  77

```

....
....
....
....

```

LL        IIIIII  SSSSSSSS
LL        IIIIII  SSSSSSSS
LL        II      SS
LL        II      SS
LL        II      SS
LL        II      SS
LL        II      SSSSSS
LL        II      SSSSSS
LL        II      SS
LL        II      SS
LL        II      SS
LL        II      SS
LLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS

```

(1)	2	MACROS, DATA
(1)	54	EXECUTABLE CODE

```

0000 1      .TITLE SATSUT07      SATS SYSTEM SERVICE TESTS
0000 2      .SBTTL MACROS DATA
0000 3      .IDENT 'V04-000'
0000 4
0000 5 :*****~*****
0000 6 :*
0000 7 :*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 9 :*  ALL RIGHTS RESERVED.
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0000 21 :*
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0000 23 :*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 :*
0000 25 :*
0000 26 :*****~*****
0000 27
0000 28      $JPIDEF                      ; JOB/PROCESS CODE DEFINITIONS

```

```

00000000 30      .PSECT  RWDATA, RD, WRT, NOEXE
      0000 31      :
      0000 32      : THIS IMAGE RUNS IN A PROCESS CREATED BY THE SATSSS61 PROCESS
      0000 33      : FOR THE PURPOSE OF TESTING THE $SCHDWK AND $CANWAK SYSTEM
      0000 34      : SERVICES. ITS BASIC JOB IS TO HIBERNATE. ADDITIONALLY, IT
      0000 35      : INDICATES TO THE CREATOR WHEN IT HAS FALLEN THRU HIBERNATION
      0000 36      : BY SETTING EVENT FLAG 64; IT ALSO WAITS ON EVENT FLAG 65
      0000 37      : BEFORE EXITING (THIS IS REQUIRED TO KEEP THIS PROCESS FROM
      0000 38      : DISAPPEARING WHILE THE CREATOR IS STILL REFERENCING IT
      0000 39      : WITH SYSTEM SERVICES). WHEN THE CREATOR IS FINISHED WITH
      0000 40      : THIS PROCESS, IT SETS EVENT FLAG 65 TO ALLOW IMAGE EXIT
      0000 41      : AND PROCESS DELETION TO OCCUR. AFTER SETTING THE FLAG,
      0000 42      : THE CREATOR READS THIS PROCESS' MAILBOX TO ENSURE THAT
      0000 43      : IT IS, INDEED, DELETED.
      0000 44      :
      0000 45      JPILIST:
      0004 46      .WORD 4      : $GETJPI ITEM LIST
      0319 47      .WORD JPIS PID  : PID BUFFER LENGTH
      00000010' 48      .ADDRESS CREPID  : JPI ITEM CODE FOR PID
      00000000 0008 49      .LONG 0,0      : ADDRESS OF PID BUFFER
      00000014 0010 50      CREPID:      : NEGATE LENGTH RETURN + END OF LIST
      0000001C'010E0000' 0014 51      CLUSTER:  .BLKL 1      : PID FOR THIS (CREATED) PROCESS
      0020 52      .ASCID /SS61/      : STRING DESCRIPTOR FOR ...
      : ... EVENT FLAG CLUSTER

```

SATSUT07
V04-000

SATS SYSTEM SERVICE TESTS
EXECUTABLE CODE

I 1

16-SEP-1984 01:07:56 VAX/VMS Macro V04-00
5-SEP-1984 04:34:31 [UETPSY.SRC]SATSUT07.MAR;1

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```
00000000 54 .SBTTL EXECUTABLE CODE
00000000 55 .PSECT SATSUT07, RD, WRT, EXE
00000000 56 START: .WORD 0 ; ENTRY MASK
00000002 57 SATSUT07:
00000002 58 $GETJPI_S ITMLST=JPILIST ; GET PID FOR USE AS CLUSTER NAME
00000019 59 $ASCEFC_S EFN=#64, NAME=CLUSTER ; ASSOC CLUSTER FOR COMMUNICATION W CREATOR
00000030 60 $HIBER_S ; HIBERNATE ... EXPECT SCHEDULED WAKES
00000037 61 $SETEF_S EFN=#64 ; LET CREATOR KNOW THAT HIBER IS SATISFIED
00000044 62 $WAITFR_S EFN=#65 ; HANG AROUND WHILE CREATOR MAKES REFERENCES
00000051 63 $DACEFC_S EFN=#64 ; CREATOR IS FINISHED ... CLEAN UP CLUSTER
0400005E 64 RET ; EXIT IMAGE
0000005F 65 .END START
```

SATSUT07
Symbol table

SATS SYSTEM SERVICE TESTS

J 1

16-SEP-1984 01:07:56 VAX/VMS Macro V04-00
5-SEP-1984 04:34:31 [UETPSY.SRC]SATSUT07.MAR;1

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(1)

```

$ST1 = 00000000
CLUSTER = 00000014 R 02
CREPID = 00000010 R 02
JPIS PID = 00000319
JPILIST = 00000000 R 02
SATSUT07 = 00000002 R 03
START = 00000000 R 03
SYSSASCEFC ***** GX 03
SYSDACEFC ***** GX 03
SYSGETJPI ***** GX 03
SYSSHIBER ***** GX 03
SYSSSETEF ***** GX 03
SYSSWAITFR ***** GX 03
  
```

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RWDATA	00000020 (32.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC BYTE
SATSUT07	0000005F (95.)	03 (3.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.08	00:00:00.29
Command processing	108	00:00:00.60	00:00:02.30
Pass 1	159	00:00:01.85	00:00:06.81
Symbol table sort	0	00:00:00.11	00:00:00.11
Pass 2	34	00:00:00.36	00:00:01.20
Symbol table output	3	00:00:00.02	00:00:00.02
Psect synopsis output	2	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	337	00:00:03.05	00:00:10.76

The working set limit was 900 pages.
7338 bytes (15 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 121 non-local and 0 local symbols.
65 source lines were read in Pass 1, producing 15 object records in Pass 2.
17 pages of virtual memory were used to define 16 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[SHRLIB]UETP.MLB;1	0
_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	13
TOTALS (all libraries)	13

240 GETS were required to define 13 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:SATSUT07/OBJ=OBJ\$:SATSUT07 MSRC\$:SATSUT07/UPDATE=(ENH\$:SATSUT07)+EXECMLS/LIB+SHRLIB\$:UETP/LIB

