


```

0000 1 .TITLE SYSGETTIM - SYSTEM SERVICE GET TIME
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6 *
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0000 27
0000 28 D. N. CUTLER 30-SEP-76
0000 29
0000 30 SYSTEM SERVICE GET TIME
0000 31
0000 32 MODIFIED BY:
0000 33
0000 34 V03-001 KDM0086 KATHLEEN D. MORSE 02-APR-1982
0000 35 CORRECTLY ACQUIRE SYSTEM TIME, EVEN IN THE CASE WHEN THE
0000 36 SECONDARY PROCESSOR ACCESSES EXESGQ SYSTIME WHILE THE
0000 37 PRIMARY PROCESSOR IS UPDATING IT (1T/782 CASE).
0000 38
0000 39
0000 40 MACRO LIBRARY CALLS
0000 41
0000 42
0000 43 $$$DEF ;DEFINE SYSTEM STATUS VALUES
0000 44
0000 45
0000 46 LOCAL SYMBOLS
0000 47
0000 48 ARGUMENT LIST OFFSET DEFINITIONS
0000 49
0000 50
0000004 0000 51 TIMADR=4 ;ADDRESS OF QUADWORD TO RECEIVE TIME

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0000 53      .SBTTL  GET TIME
0000 54      :+
0000 55      : EXE$GETTIM - GET TIME
0000 56
0000 57      : THIS SERVICE PROVIDES THE CAPABILITY TO RETRIEVE THE CURRENT SYSTEM TIME
0000 58      : IN 64 BIT FORMAT.
0000 59
0000 60      : INPUTS:
0000 61
0000 62      :     TIMADR(AP) = ADDRESS OF QUADWORD THAT IS TO RECEIVE TIME.
0000 63
0000 64      : OUTPUTS:
0000 65
0000 66      : RO LOW BIT CLEAR INDICATES FAILURE TO RETRIEVE SYSTEM TIME
0000 67
0000 68      :     RO = $$$ ACCVIO - QUADWORD TO RECEIVE TIME CANNOT BE
0000 69      :     WRITTEN BY CALLING ACCESS MODE.
0000 70
0000 71      : RO LOW BIT SET INDICATES SUCCESSFUL COMPLETION.
0000 72
0000 73      :     RO = $$$_NORMAL - NORMAL COMPLETION.
0000 74      :-
0000 75
00000000 76      .PSECT  YEXEPAGED
0000 77      EXE$GETTIM::
0000 78      .WORD  0
0000 79      MOVL  TIMADR(AP),R1
0000 80      MOVZWL #$$$ ACCVIO,R0
0000 81      5$:  IFNOWRT #8,(R1),10$
0000 82      MOVQ  EXE$GQ_SYSTIME,(R1)
0000 83      CMPL  EXE$GQ_SYSTIME,(R1)
0000 84      BNEQ  5$
0000 85      CMPL  EXE$GQ_SYSTIME+4,4(R1)
0000 86      BNEQ  5$
0000 87      MOVZWL #$$$_NORMAL,R0
0000 88      10$: RET
0000 89
0000 90      .END

```

```

0000 0000
0000 0000
51 04 AC D0 0002
50 0C 3C 0006
61 00000000'EF 7D 000F
61 00000000'EF D1 0016
04 A1 00000004'EF D1 001F
EA 12 001D
E0 12 0027
50 01 3C 0029
04 002C
002D
002D

```

.....

SYSGETTIM
Symbol table

- SYSTEM SERVICE GET TIME

M 10

16-SEP-1984 02:20:02
5-SEP-1984 03:54:15

VAX/VMS Macro V04-00
[SYS.SRC]SYSGETTIM.MAR;1

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(1)

EXESGETTIM
EXESGQ SYSTEM
SS\$ ACCVIO
SS\$ NORMAL
TIMADR

00000000 RG 02
***** X 02
= 0000000C
= 00000001
= 00000004

! 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
YEXEPAGED	0000002D (45.)	02 (2.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	37	00:00:00.08	00:00:00.57
Command processing	132	00:00:00.59	00:00:02.29
Pass 1	192	00:00:03.65	00:00:10.37
Symbol table sort	0	00:00:00.60	00:00:01.41
Pass 2	33	00:00:00.62	00:00:01.72
Symbol table output	2	00:00:00.01	00:00:00.05
Psect synopsis output	2	00:00:00.05	00:00:00.42
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	400	00:00:05.60	00:00:16.83

The working set limit was 1200 pages.
19504 bytes (39 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 410 non-local and 2 local symbols.
90 source lines were read in Pass 1, producing 13 object records in Pass 2.
9 pages of virtual memory were used to define 8 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	1
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	4
TOTALS (all libraries)	5

473 GETS were required to define 5 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SYSGETTIM/OBJ=OBJ\$:SYSGETTIM MSRC\$:SYSGETTIM/UPDATE=(ENH\$:SYSGETTIM)+EXECMLS/LIB

0385 AH-BT13A-SE
VAX/VMS V4.0

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The image displays a grid of 144 small terminal window screenshots, arranged in a 12x12 grid. Each window shows a different system utility or diagnostic tool. Several windows are highlighted with larger text labels:

- SYSGETSYI LIS
- SYSGETPTI LIS
- SYSGETTMI LIS
- SYSGETLKI LIS
- SYSGETMSG LIS
- SYSIMGACT LIS

The other windows in the grid show various system utilities, including file management, system status, and diagnostic tools, all rendered in a monospaced font typical of early computer terminals.