


```

PPPPPPPP      AAAAAA      SSSSSSSS      TTTTTTTTTT      IIIIII      MM      MM      EEEEEEEEEE
PPPPPPPP      AAAAAA      SSSSSSSS      TTTTTTTTTT      IIIIII      MM      MM      EEEEEEEEEE
PP      PP      AA      AA      SS      TT      II      MMMM      MMMM      EE
PP      PP      AA      AA      SS      TT      II      MMMM      MMMM      EE
PP      PP      AA      AA      SS      TT      II      MM      MM      EE
PP      PP      AA      AA      SS      TT      II      MM      MM      EE
PPPPPPPP      AA      AA      SSSSSS      TT      II      MM      MM      EEEEEEEE
PPPPPPPP      AA      AA      SSSSSS      TT      II      MM      MM      EEEEEEEE
PP      AAAAAAAAAA      SS      TT      II      MM      MM      EE
PP      AAAAAAAAAA      SS      TT      II      MM      MM      EE
PP      AA      AA      SS      TT      II      MM      MM      EE
PP      AA      AA      SSSSSSSS      TT      IIIIII      MM      MM      EEEEEEEEEE
PP      AA      AA      SSSSSSSS      TT      IIIIII      MM      MM      EEEEEEEEEE

```

```

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      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS

```

(2) 46
(3) 75

DECLARATIONS
PAS\$TIME - Return system time

```

0000 1 .TITLE PAS$TIME - Return system time
0000 2 .IDENT /1-001/ ; File: PASTIME.MAR Edit: SBL1001
0000 3
0000 4
0000 5 :*****
0000 6 :*
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0000 24 :*
0000 25 :*
0000 26 :*****
0000 27 :
0000 28 :
0000 29 :++
0000 30 : FACILITY: Pascal Language Support
0000 31 :
0000 32 : ABSTRACT:
0000 33 :
0000 34 : This module contains PAS$TIME which returns the current system
0000 35 : time as an 11-character string by reference.
0000 36 :
0000 37 : ENVIRONMENT: Runs at any access mode, AST Reentrant
0000 38 :
0000 39 : AUTHOR: Steven B. Lionel, CREATION DATE: 6-Nov-1980
0000 40 :
0000 41 : MODIFIED BY:
0000 42 :
0000 43 : 1-001 - Original. SBL 6-Nov-1980
0000 44 :--

```

```
0000 46      .SBTTL  DECLARATIONS
0000 47      :
0000 48      : LIBRARY MACRO CALLS:
0000 49      :
0000 50      :     NONE
0000 51      :
0000 52      : EXTERNAL DECLARATIONS:
0000 53      :
0000 54      :     .DSABL  GBL      ; Force all external symbols to be declared
0000 55      :     .EXTRN  SYS$ASCTIM ; Convert binary time to ASCII string
0000 56      :
0000 57      : MACROS:
0000 58      :
0000 59      :     NONE
0000 60      :
0000 61      : EQUATED SYMBOLS:
0000 62      :
0000 63      :     NONE
0000 64      :
0000 65      : OWN STORAGE:
0000 66      :
0000 67      :     NONE
0000 68      :
0000 69      : PSECT DECLARATIONS:
0000 70      :
00000000 71      :     .PSECT _PAS$CODE PIC,USR,CON,REL,LCL,SHR,-
0000 72      :     EXE, RD, NOWRT, LONG
0000 73
```

```

0000 75      .SBTTL PAS$TIME - Return system time
0000 76      :++
0000 77      : FUNCTIONAL DESCRIPTION:
0000 78      :
0000 79      :     This routine returns the current system time as hh:mm:ss.cc into
0000 80      :     an 11 character string passed by reference
0000 81      :
0000 82      : CALLING SEQUENCE:
0000 83      :
0000 84      :     CALL PAS$TIME (Time_string.wt.r)
0000 85      :
0000 86      : FORMAL PARAMETERS:
0000 87      :
0000 88      :     Time_string      - 11-character string by reference
0000 89      :
0000 90      : IMPLICIT INPUTS:
0000 91      :
0000 92      :     NONE
0000 93      :
0000 94      : IMPLICIT OUTPUTS:
0000 95      :
0000 96      :     NONE
0000 97      :
0000 98      : ROUTINE VALUE:
0000 99      :
0000 100     :     NONE
0000 101     :
0000 102     : SIDE EFFECTS:
0000 103     :
0000 104     :     NONE
0000 105     :
0000 106     :--
0000 107     :
0000 108     .ENTRY PAS$TIME, ^M<>      ; Entry point
0002 109     :
04 AC DD 0002 110     PUSHL 4(AP)      ; Address of string
0B DD 0005 111     PUSHL #11      ; Length of string
01 DD 0007 112     PUSHL #1      ; CVTFLG = 1 = Return time
7E D4 0009 113     CLRL -(SP)      ; No TIMADR
F8 AD 7F 000B 114     PUSHAQ -8(FP)    ; Address of TIMBUF descriptor
7E D4 000E 115     CLRL -(SP)      ; No returned TIMLEN
00000000*GF 04 FB 0010 116     CALLS #4, G^SYSSASCTIM ; Get time
04 0017 117     RET      ; Return
0018 118     :
0018 119     .END      ; End of module PAS$TIME

```

PAS\$TIME
Symbol table

- Return system time

C 5

16-SEP-1984 01:27:17
6-SEP-1984 11:33:48

VAX/VMS Macro V04-00
[PASRTL.SRC]PASTIME.MAR;1

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(3)

PAS\$TIME 00000000 RG 01
SYSS\$ASCTIM ***** X 00

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
PAS\$CODE	00000018 (24.)	01 (1.)	PIC USR CON REL LCL SHR EXE RD NOWRT NOVEC LONG

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	10	00:00:00.11	00:00:01.70
Command processing	73	00:00:00.65	00:00:04.66
Pass 1	64	00:00:00.37	00:00:01.54
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	36	00:00:00.25	00:00:01.61
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	1	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	188	00:00:01.41	00:00:09.54

The working set limit was 750 pages.
1145 bytes (3 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 2 non-local and 0 local symbols.
119 source lines were read in Pass 1, producing 11 object records in Pass 2.
0 pages of virtual memory were used to define 0 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:PASTIME/OBJ=OBJ\$:PASTIME MSRC\$:PASTIME/UPDATE=(ENH\$:PASTIME)

