

FILEID**FORDATE

```

FFFFFFFFF  000000  RRRRRRRR  DDDDDDDD  AAAAAA  TTTTTTTTTT  EEEEEEEEE
FFFFFFFFF  000000  RRRRRRRR  DDDDDDDD  AAAAAA  TTTTTTTTTT  EEEEEEEEE
FF          00      00  RR      RR  DD      DD  AA      AA  TT      EE
FF          00      00  RR      RR  DD      DD  AA      AA  TT      EE
FF          00      00  RR      RR  DD      DD  AA      AA  TT      EE
FF          00      00  RR      RR  DD      DD  AA      AA  TT      EE
FFFFFFFFF  00      00  RRRRRRRR  DDD      DD  AA      AA  TT      EEEEEEE
FFFFFFFFF  00      00  RRRRRRRR  DDD      DD  AA      AA  TT      EEEEEEE
FF          00      00  RR      RR  DD      DD  AAAAAAAAAA  TT      EE
FF          00      00  RR      RR  DD      DD  AAAAAAAAAA  TT      EE
FF          00      00  RR      RR  DD      DD  AA      AA  TT      EE
FF          00      00  RR      RR  DD      DD  AA      AA  TT      EE
FF          00      00  RR      RR  DD      DD  AA      AA  TT      EE
FF          000000  RR      RR  DDDDDDDD  AA      AA  TT      EEEEEEEEE
FF          000000  RR      RR  DDDDDDDD  AA      AA  TT      EEEEEEEEE

```

```

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

```

F
S
S
P
I
C
S
B
S
C
A
T
I
1
1
2
E
-
1
1
E

(2) 50
(3) 60
(4) 87

HISTORY ; Detailed Current Edit History
DECLARATIONS
FOR\$DATE - return system date as an 9 byte string

```

0000 1      .TITLE  FOR$DATE      ; return system date in 9-byte array
0000 2      .IDENT  /1-002/      ; File: FOR$DATE.MAR
0000 3
0000 4
0000 5 :*****
0000 6 :*
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0000 24 :*
0000 25 :*
0000 26 :*****
0000 27
0000 28
0000 29 : FACILITY: FORTRAN SUPPORT LIBRARY
0000 30 :++
0000 31 : ABSTRACT:
0000 32
0000 33 :      Call system service $ASCTIM to return system date to user
0000 34 :      area.
0000 35
0000 36 :--
0000 37
0000 38 : VERSION: 0
0000 39
0000 40 : HISTORY:
0000 41
0000 42 : AUTHOR:
0000 43 :      Jonathan M. Taylor, 18-Aug-77: Version 0
0000 44
0000 45 : MODIFIED BY:
0000 46
0000 47
0000 48

```


FOR\$DATE
1-002

; return system date in 9-byte array K 12 15-SEP-1984 23:50:02 VAX/VMS Macro V04-00
HISTORY ; Detailed Current Edit History 6-SEP-1984 10:54:32 [FORRTL.SRC]FOR\$DATE.MAR;1

Page 2
(2)

0000 50 .SBTTL HISTORY ; Detailed Current Edit History
0000 51
0000 52
0000 53 ; Edit History for Version 0 of FOR\$DATE
0000 54 ;
0000 55
0000 56 ; 0-3 - Remove FOR\$FLAG_JACKET. TNH 11-July-78
0000 57 ; 1-001 - Update version number and copyright notice. JBS 16-NOV-78
0000 58 ; 1-002 - Add "_" to the PSECT directive. JBS 22-DEC-78

```
0000 60      .SBTTL  DECLARATIONS
0000 61
0000 62  ::
0000 63  :: INCLUDE FILES:
0000 64  ::      oerr.mar
0000 65  ::
0000 66  ::
0000 67  :: EXTERNAL SYMBOLS:
0000 68  ::      .GLOBL  SYSS$ASCTIM
0000 69  ::
0000 70  ::
0000 71  :: MACROS:
0000 72  ::      NONE
0000 73  ::
0000 74  ::
0000 75  :: PSECT DECLARATIONS:
00000000 76  ::      .PSECT  _FOR$CODE      PIC, SHR, LONG, EXE, NOWRT
0000 77  ::
0000 78  ::
0000 79  :: EQUATED SYMBOLS:
0000 80  ::      NONE
0000 81  ::
0000 82  ::
0000 83  :: OWN STORAGE:
0000 84  ::      NONE
0000 85  ::
```



```

0000 87      .SBTTL  FOR$DATE - return system date as an 9 byte string
0000 88
0000 89      :++
0000 90      : FUNCTIONAL DESCRIPTION:
0000 91      : Returns system date as an 9 byte string in the form
0000 92      : DD-MMM-YY. Build a work space on the stack to con-
0000 93      : tain the date returned by the system (DD-MMM-YYYY).
0000 94      : Do a $ASCTIM to get date into this area. Move the string
0000 95      : into the user area, artfully avoiding the first two YY's.
0000 96
0000 97      : CALLING SEQUENCE:
0000 98      : CALL    FOR$DATE (9_byte_array.wb.ra)
0000 99
0000 100     :
0000 101     : INPUT PARAMETERS:
0000 102     :     9_byte_array                the addr of 9 bytes into which the
0000 103     :                                     string is to be placed
0000 104     :
0000 105     : IMPLICIT INPUTS:
0000 106     :     NONE
0000 107     :
0000 108     : OUTPUT PARAMETERS:
0000 109     :     NONE
0000 110     :
0000 111     : IMPLICIT OUTPUTS:
0000 112     :     NONE
0000 113     :
0000 114     : COMPLETION CODES:
0000 115     :     NONE
0000 116     :
0000 117     : SIDE EFFECTS:
0000 118     :     NONE
0000 119     :
0000 120     :--
0000 121
0000 122
0000 123     .ENTRY  FOR$DATE,          ^M<R2,R3,R4,R5>
0000 124     SUBL   #12, SP              : make space for date string
0000 125     MOVL  SP, R2                : R2 -> space
0000 126     MOVL  R2, -(SP)             : build a string descriptor
0000 127     MOVL  #^X10E000B, -(SP)    : len=11
0000 128     MOVL  SP, R0              : R0 -> string descriptor
0000 129     $ASCTIM_S, (R0)             : R2 -> date string
0000 130     MOVCS #7, (R2), @4(AP)      : move in "dd-mmm-"
0000 131     CMPB  (R1)+, (R1)+          : skip "19"
0000 132     MOVCS #2, (R1), (R3)      : move in rest of year
0000 133     RET
0000 134
0000 135
0000 136     .END

003C 0000 123
5E 0C C2 0002 124
52 5E D0 0005 125
7E 52 D0 0008 126
7E 010E000B 8F D0 000B 127
50 5E D0 0012 128
0015 129
04 BC 62 07 28 0024 130
81 81 91 0029 131
63 61 02 28 002C 132
0030 133
0031 134
0031 135
0031 136
  
```

FOR\$DATE 00000000 RG 01
 SYSSASCTIM ***** G 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	
FOR\$CODE	00000031 (49.)	01 (1.)	PIC	USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG	

 ! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.07	00:00:00.83
Command processing	102	00:00:00.43	00:00:03.08
Pass 1	96	00:00:00.53	00:00:03.14
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	39	00:00:00.31	00:00:01.34
Symbol table output	2	00:00:00.01	00:00:00.02
Psect synopsis output	2	00:00:00.03	00:00:00.27
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	272	00:00:01.41	00:00:08.70

The working set limit was 900 pages.
 1785 bytes (4 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.
 136 source lines were read in Pass 1, producing 11 object records in Pass 2.
 2 pages of virtual memory were used to define 2 macros.

 ! Macro library statistics !

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

15 GETS were required to define 2 macros.
 There were no errors, warnings or information messages.
 MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:FORDATE/OBJ=OBJ\$:FORDATE MSRC\$:FORDATE/UPDATE=(ENH\$:FORDATE)

COMR50HD
LIS

FORDATEDS
LIS

FORDECOMO
LIS

FORB
LIS

COMSETST
LIS

FORASSOC
LIS

FORCLOSEF
LIS

FORDATE
LIS

FORCLOSE
LIS

FORDECOMP
LIS

FORDELETE
LIS

COMRAD50
LIS

COMUSEREX
LIS

FORBITOPS
LIS

FORDEFINE
LIS

FORBACKSP
LIS

FORDISPA
LIS

FORCUTR
LIS