

```

EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSSS
EE XX XX AA AA MMMM MMMM PP PP LL EEEEEEEEE SS
EE XX XX AA AA MMMM MMMM PP PP LL EEEEEEEEE SS
EE XX XX AA AA MMMM MMMM PP PP LL EEEEEEEEE SS
EE XX XX AA AA MM MM MM PP PP LL EEEEEEEEE SS
EE XX XX AA AA MM MM MM PP PP LL EEEEEEEEE SS
EE XX XX AA AA MM MM MM PP PP LL EEEEEEEEE SS
EEEEEEEEEE XX XX AA AA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PPPPPPPP LL EEEEEEEEE SSSSSSS
EE XX XX AAAAAAAAAA MM MM PP LL EEEEEEEEE SS
EE XX XX AAAAAAAAAA MM MM PP LL EEEEEEEEE SS
EE XX XX AAAAAAAAAA MM MM PP LL EEEEEEEEE SS
EE XX XX AA AA MM MM PP LL EEEEEEEEE SS
EE XX XX AA AA MM MM PP LL EEEEEEEEE SS
EE XX XX AA AA MM MM PP LL EEEEEEEEE SS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS

```

```

UU      UU      SSSSSSSS  SSSSSSSS  TTTTTTTTTT  EEEEEEEEEE  SSSSSSSS  TTTTTTTTTT
UU      UU      SSSSSSSS  SSSSSSSS  TTTTTTTTTT  EEEEEEEEEE  SSSSSSSS  TTTTTTTTTT
UU      UU      SS        SS        TT        EE        SS        TT
UU      UU      SS        SS        TT        EE        SS        TT
UU      UU      SS        SS        TT        EE        SS        TT
UU      UU      SS        SS        TT        EE        SS        TT
UU      UU      SSSSSS    SSSSSS    TT        EE        SSSSSS    TT
UU      UU      SSSSSS    SSSSSS    TT        EE        SSSSSS    TT
UU      UU              SS        SS        TT        EE        SS        TT
UU      UU              SS        SS        TT        EE        SS        TT
UU      UU              SS        SS        TT        EE        SS        TT
UUUUUUUUUU  SSSSSSSS  SSSSSSSS  TT        EEEEEEEEEE  SSSSSSSS  TT
UUUUUUUUUU  SSSSSSSS  SSSSSSSS  TT        EEEEEEEEEE  SSSSSSSS  TT

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```

```

MM      MM      AAAAAA  RRRRRRRR
MM      MM      AAAAAA  RRRRRRRR
MMMM    MMMM    AA      AA  RR      RR
MMMM    MMMM    AA      AA  RR      RR
MM      MM      AA      AA  RR      RR
MM      MM      AA      AA  RR      RR
MM      MM      AA      AA  RRRRRRRR
MM      MM      AA      AA  RRRRRRRR
MM      MM      AAAAAAAAAA  RR  RR
MM      MM      AAAAAAAAAA  RR  RR
MM      MM      AA      AA  RR      RR
MM      MM      AA      AA  RR      RR
MM      MM      AA      AA  RR      RR
MM      MM      AA      AA  RR      RR

```

.TITLE USSTEST
.IDENT 'V04-000'

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Facility: Example of User Written System Services

++ Abstract:

This module contains an example of a program that invokes a sample user-written system service that is contained in a privileged shareable library. The module USSDISP contains the sample service and associated dispatching code being invoked by this simple test program.

-- Link Command File:

```
$ |
$ | Link Command file for USSTEST
$ |
$ LINK USSTEST/MAP/FULL,SYSS$INPUT/OPTIONS
$ |
$ | Options file for USSTEST
$ | USS.EXE/SHARE
```

--
BUF: .LONG 0 ; Location to receive TODR contents
.PAGE
.SBTTL Sample invocation of user written system service

++ Functional Description:

This routine shows an invocation of the example user system service that will read the contents of the time of day register.

As can be seen by this example, the privileged nature of the code used

: to implement the reading of the TODR is not visible to the caller.
: For coding convenience and better maintainability, the code can be
: generated by macros patterned on the standard VMS system service macros.
:--

```
.ENTRY USSTEST,^M<>      ; Entry mask and definition
PUSHAB BUF              ; Build argument list - set address for
                        ; return value
CALLS #1,G^USER_GET_TODR ; Invoke routine in privileged library
RET                    ; to get value from Time-of-day register
                        ;
.END USSTEST            ;
```

XAF
309
; E
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509

LPMULT B32

DRMST MAR

ADDRIVER MAR

TORIVER MAR

USSTEST MAR

GBLSECURF MAR

USSDISP MAR

DOD_ERAPAT MAR

LBRMAC MAR

XADDRIVER MAR

LABLOCIN MAR

DRSLU MAR

DTE_DF03 MAR

SECRET MAR

WORKO LIS

EXAMPLES