RMS

```
RMSCALLS

MAR
```

RMS

.MA

.EN

```
;       version 'V04-000'

;***************************************************************************
;*                                                                         *
;*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                               *
;*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.                *
;*   ALL RIGHTS RESERVED.                                                  *
;*                                                                         *
;*   THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
;*   ONLY IN  ACCORDANCE  WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE*
;*   INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER *
;*   COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
;*   OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE  IS  HEREBY *
;*   TRANSFERRED.                                                          *
;*                                                                         *
;*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE *
;*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT *
;*   CORPORATION.                                                          *
;*                                                                         *
;*   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS *
;*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.               *
;*                                                                         *
;*                                                                         *
;***************************************************************************


; MODIFIED BY:

;       V03-003 DAS0001         David Solomon           11-Feb-1984
;               Fix error in $RMSCALLSTWO (used by $RENAME). For the default
;               values for ERR and SUC (0), it generated non-pic instructions
;               (PUSHAL #0). It now generates PUSHL #0 if ERR or SUC=0.

;       V03-002 RAS0105         Ron Schaefer            23-Nov-1982
;               Correct non-PIC references in $RMSCALLS and $RMSCALLSTWO
;               to RMS system services.  Make into general addressing.

;       V03-001 CWH0001         CW Hobbs                25-Sep-1982
;               Standard form service calls ($CLOSE, etc) are now
;               defined in <VMSLIB.SRC>STARLET.SDL.  The declarations
;               in this module have been removed.


;   rms macro to reserve a buffer
;   (kept in the interest of compatibility only!)


        .MACRO  $BUFFER SIZE
        .BLKB   SIZE
        .ENDM   $BUFFER

;
```

```
;  no-op of $init for compatibility!
;
;

        .MACRO  $INIT
        .PRINT                          ; $init macro not required!;
        .ENDM   $INIT


        .NLIST

;
;  $rmscall macro to setup arglist and call the desired routine
;
;

        .MACRO  $RMSCALL PROC,TAB,ERR,SUC
        .GLOBL  SYS$'PROC
        .IF     B <TAB>
        CALLG   (AP),G^SYS$'PROC
        $$.TMP=0
        .IF     NB <ERR>
        $$.TMP=1
        .ENDC
        .IF     NB <SUC>
        $$.TMP=1
        .ENDC
        .IF     NE $$.TMP
        .ERROR                          ; tab'= parameter missing;
        .ENDC
        .ENDC


        .IF     NB <TAB>
        $$.TMP1=1
        .IF     NB <SUC>
        PUSHAL  SUC
        $$.TMP1=3
        .ENDC
        .IF     NB <ERR>
        PUSHAL  ERR
        .IF     EQ <$$.TMP1-1>
        $$.TMP1=2
        .ENDC
        .IFF
        .IF     EQ <$$.TMP1-3>
        PUSHL   #0
        .ENDC
        .ENDC
        .NTYPE  $$.TMP2,TAB
        .IF     EQ <<$$.TMP2&^XF0>-^X50>
        PUSHL   TAB
        .IFF
        .IF     EQ <<$$.TMP2&^XF0>-^X10>
        PUSHL   TAB
        .IFF
        PUSHAL  TAB
        .ENDC
        .ENDC
```

```
        CALLS   #SS.TMP1,G^SYS$'PROC
        .ENDC
        .ENDM   $RMSCALL
        .LIST
```

```
;
;   $rmscalltwo macro to setup arglist and call the desired routine
;
;

        .MACRO   $RMSCALLTWO PROC,TAB,ERR,SUC,TAB2
        .GLOBL   SYS$'PROC
        .IF      B <TAB>
        CALLG    (AP),G^SYS$'PROC
        $$.TMP=0
        .IIF     NB <ERR>, $$.TMP=1
        .IIF     NB <SUC>, $$.TMP=1
        .IIF     NB <TAB2>, $$.TMP=1
        .IF      NE $$.TMP
p       .ERROR                           ; tab'= parameter missing;
        .ENDC
        .MEXIT
        .ENDC


;
;NOW KNOW THAT TAB IS THERE!
;

        .IF      B <TAB2>                 ; must have both pointers
        .ERROR                           ; missing parameter;
        .MEXIT
        .ENDC
        .NTYPE   $$.TMP2.TAB2
        .IF      EQ <<$$.1MP2&^XF0>-^X50>
        PUSHL    TAB2
        .IFF
        .IF      EQ <<$$.TMP2&^XF0>-^X10>
        PUSHL    TAB2
        .IFF
        PUSHAL   TAB2
        .ENDC
        .ENDC
        .IF      IDN <SUC> <0>
        PUSHL    #0
        .IFF
        .IF      NB <SUC>
        PUSHAL   SUC
        .IFF
        PUSHL    #0
        .ENDC
        .ENDC
        .IF      IDN <ERR> <0>
        PUSHL    #0
        .IFF
        .IF      NB <ERR>
        PUSHAL   ERR
        .IFF
        PUSHL    #0
        .ENDC
        .ENDC
        .NTYPE   $$.TMP_,TAB
```

```
        .IF     EQ <<$$.TMP2&^XF0>-^X50>
        PUSHL   TAB
        .IFF
        .IF     EQ <<$$.TMP2&^XF0>-^X10>
        PUSHL   TAB
        .IFF
        PUSHAL  TAB
        .ENDC
        .ENDC
        CALLS   #4,G^SYS$'PROC
        .ENDM   $RMSCALLTWO
```

RMSCALLS
MAR

RMSIDXLNK
R32

RMS
LST

RMS32MAC
MAR

RMSMSCMAC
MAR

UTLDEF
R32

RMSIDXMAC
R32

UTLDEFUND
R32

RMSINTDEF
LST

RMSIDXDEF
R32

NT0MACROS
MAR