_S

```
UUU         UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPP
UUU         UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP
UUU         UUU  EEEEEEEEEEEEEEE  TTTTTTTTTTTTTTT  PPPPPPPPPPPP
UUU         UUU  EEE                         TTT   PPP        PPP
UUU         UUU  EEE                         TTT   PPP        PPP
UUU         UUU  EEE                         TTT   PPP        PPP
UUU         UUU  EEE                         TTT   PPP        PPP
UUU         UUU  EEE                         TTT   PPP        PPP
UUU         UUU  EEEEEEEEEEEE                TTT   PPPPPPPPPPPP
UUU         UUU  EEEEEEEEEEEE                TTT   PPPPPPPPPPPP
UUU         UUU  EEEEEEEEEEEE                TTT   PPPPPPPPPPPP
UUU         UUU  EEE                         TTT   PPP
UUU         UUU  EEE                         TTT   PPP
UUU         UUU  EEE                         TTT   PPP
UUU         UUU  EEE                         TTT   PPP
UUU         UUU  EEE                         TTT   PPP
UUU         UUU  EEE                         TTT   PPP
UUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE             TTT   PPP
UUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE             TTT   PPP
UUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE             TTT   PPP
```

Va
--
000
000
000
7F
7F
7F
7F
7F
7F
7F
7F
7F

FILEID**RMSTESTT

```
RRRRRRRR   MM      MM   SSSSSSSS  TTTTTTTTTT  EEEEEEEEEE   SSSSSSSS  TTTTTTTTTT  TTTTTTTTTT
RRRRRRRR   MM      MM   SSSSSSSS  TTTTTTTTTT  EEEEEEEEEE   SSSSSSSS  TTTTTTTTTT  TTTTTTTTTT
RR     RR  MMMM  MMMM   SS           TT       EE           SS           TT          TT
RR     RR  MMMM  MMMM   SS           TT       EE           SS           TT          TT
RR     RR  MM MM MM MM  SS           TT       EE           SS           TT          TT
RR     RR  MM MM MM MM  SS           TT       EE           SS           TT          TT
RRRRRRRR   MM      MM      SSSSSS    TT       EEEEEEEE        SSSSSS    TT          TT
RRRRRRRR   MM      MM      SSSSSS    TT       EEEEEEEE        SSSSSS    TT          TT
RR  RR     MM      MM          SS    TT       EE                  SS    TT          TT
RR  RR     MM      MM          SS    TT       EE                  SS    TT          TT
RR     RR  MM      MM          SS    TT       EE                  SS    TT          TT
RR     RR  MM      MM          SS    TT       EE                  SS    TT          TT
RR     RR  MM      MM   SSSSSSSS     TT       EEEEEEEEEE   SSSSSSSS     TT          TT
RR     RR  MM      MM   SSSSSSSS     TT       EEEEEEEEEE   SSSSSSSS     TT          TT

                                                                                        ....
                                                                                        ....
                                                                                        ....
                                                                                        ....

LL         IIIIII      SSSSSSSS
LL         IIIIII      SSSSSSSS
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
```

RMSTRANS
V04-000
TRANS LOG NAME ;
J 15
16-SEP-1984 01:52:52 VAX/VMS Macro V04-00   Page 1
5-SEP-1984 04:22:20 [UETP.SRC]RMSTESTT.MAR;1   (1)

SA
VO

```
                                    0000    70              $BEGIN   RMSTRANS,020,__RMSTEST,<TRANS LOG NAME>,<LONG,GBL>
                                    0000    71              .ENABL   DBG
                                    0000    72              $SSDEF                                   ; define system codes
                          00000000  0000    73              .PSECT   __RMSTEST,GBL,LONG
                                    0000    74   VERBSTR:
              00000008'00000016'    0000    75              .LONG    VERBL,VERBS
42 52 45 56 5F 54 53 54 24 53 4D 52 0008    76   VERBS:   .ASCII   /RMS$TST_VERBOSITY_FLAG/
   47 41 4C 46 5F 59 54 49 53 4F    0014
                          00000016  001E    77              VERBL=.-VERBS
                                    001E    78   VERBOSITY::
                                00  001E    79              .BYTE    0                               ; flag for amount of verbosity
                                    001F    80   ;
                                    001F    81   ;
                                    001F    82   ; 0 for go-no go messages, 1 for interactive
                                    001F    83   ;
                                    001F    84
                                    001F    85   VERBLEN:
                              0000  001F    86              .WORD    0                               ; catch len of translation
                                    0021    87
                                    0021    88   ;
                                    0021    89   ; this is a routine to translate the logical name rms$tst_verbosity_flag
                                    0021    90   ; and set the verbosity flag depending on the results
                                    0021    91   ; a translation greater than 1 character implies go-no-go testing, with
                                    0021    92   ; less output (verbosity=0)
                                    0021    93   ; no translation implies interactive debugging-testing, with much verbosity
                                    0021    94   ; (verbosity := 1)
                                    0021    95   ;
                                    0021    96
                                    0021    97   TRAN::   $TRNLOG_S        VERBSTR,-
                                    0021    98                             VERBLEN,-
                                    0021    99                             VERBSTR                  ; this obviously isn't re-entrant
                                    0037   100
                                    0037   101   ;
                                    0037   102   ; but there's no reason for it to be
                                    0037   103   ;
                                    0037   104
     00000629 8F    50    D1        0037   105              CMPL     R0,#SS$_NOTRAN                  ; no translation?
                 0A    13           003E   106              BEQL     NOTRAN
              FF 50    E9           0040   107              BLBC     R0,.                            ; any other error
        01    D9 AF    B1           0043   108              CMPW     VERBLEN,#1                      ; only translated to 1 char.
              01    13              0047   109              BEQL     NOTRAN                          ; doesn't count as translation
              05                    0049   110              RSB
        DO AF    01    90           004A   111   NOTRAN:  MOVB     #1,VERBOSITY                     ; set interactiveness bit
              05                    004E   112              RSB
                                    004F   113
                                    004F   114   ;
                                    004F   115
                                    004F   116              .END
```

```
RMSTRANS              TRANS LOG NAME ;                        16-SEP-1984 01:52:52  VAX/VMS Macro V04-00     P ge  2      SA
Symbol table                                                 5-SEP-1984 04:22:20  [UETP.SRC]RMSTESTT.MAR;1          (1)     VO

$$.PSECT_EP              = 00000000
$$RMSTEST               = 0000001E
$$RMS_PBUGCHK           = 00000010
$$RMS_TBUGCHK           = 00000008
$$RMS_UMODE             = 00000004
NOTRAN                    0000004A R   D   01
SS$_NOTRAN              = 00000629     D
SYS$TRNLOG              = *******  GX    01
TRAN                      00000021 RG  D   01
VERBL                   = 00000016     D
VERBLEN                   0000001F R   D   01
VERBOSITY                 0000001E RG  D   01
VERBS                     00000008 R   D   01
VERBSTR                   00000000 R   D   01
```

```
                              +-----------------+
                              ! Psect synopsis !
                              +-----------------+

PSECT name              Allocation          PSECT No.   Attributes
----------              ----------          ---------   ----------
.  ABS  .               00000000  (     0.)  00 (   0.)  NOPIC   USR   CON   ABS   LCL NOSHR NOEXE NORD   NOWRT NOVEC BYTE
   RMSTEST              0000004F  (    79.)  01 (   1.)  NOPIC   USR   CON   REL   GBL NOSHR  EXE   RD    WRT NOVEC LONG
$ABS$                   00000000  (     0.)  02 (   2.)  NOPIC   USR   CON   ABS   LCL NOSHR  EXE   RD    WRT NOVEC BYTE
```

```
                           +---------------------------+
                           ! Performance indicators !
                           +---------------------------+

Phase                 Page faults   CPU Time        Elapsed Time
-----                 -----------   --------        ------------
Initialization            37        00:00:00.07     00.00:00.47
Command processing       138        00:00:00.66     00:00:02.89
Pass 1                   196        00:00:03.81     00:00:08.05
Symbol table sort          0        00:00:00.59     00:00:01.52
Pass 2                    44        00:00:01.00     00:00:02.62
Symbol table output        3        00:00:00.03     00:00:00.03
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     422        00:00:06.19     00:00:15.61
```

The working set limit was 1200 pages.
20281 bytes (40 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 420 non-local and 0 local symbols.
116 source lines were read in Pass 1, producing 35 object records in Pass 2.
12 pages of virtual memory were used to define 11 macros.

```
                        +---------------------------+
                        ! Macro library statistics !
                        +---------------------------+

Macro library name                      Macros defined
------------------                      --------------
_$255$DUA28:[SYS.OBJ]LIB.MLB;1                0
_$255$DUA28:[SYSLIB]STARLET.MLB;2             6
TOTALS (all libraries)                        6
```

L 15

RMSTRANS   TRANS LOG NAME ;   16-SEP-1984 01:52:52 VAX/VMS Macro V04-00   Page 3   SA
VAX-11 Macro Run Statistics   5-SEP-1984 04:22:20 [UETP.SRC]RMSTESTT.MAR;1   (1)   VC

487 GETS were required to define 6 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:RMSTESTT/OBJ=OBJ$:RMSTESTT MSRC$:RMSTESTT/UPDATE=(ENH$:RMSTESTT)+EXECML$/LIB

RMSTEST4
LIS

RMSTEST7
LIS

RMSTEST8
LIS

RMSTESTR
LIS

RMSTEST0
LIS

RMSTEST2
LIS

RMSTEST3
LIS

RMSTEST5
LIS

RMSTEST6
LIS

RMSTESTT
LIS

RMSTEST1
LIS

SATSSF17
LIS