```
SSSSSSSSSSSS   YYY         YYY    SSSSSSSSSSSS
SSSSSSSSSSSS   YYY         YYY    SSSSSSSSSSSS
SSSSSSSSSSSS   YYY         YYY    SSSSSSSSSSSS
SSS            YYY         YYY    SSS
SSS            YYY         YYY    SSS
SSS            YYY         YYY    SSS
SSS               YYY   YYY       SSS
SSS               YYY   YYY       SSS
SSS               YYY   YYY       SSS
   SSSSSSSS          YYY             SSSSSSSS
   SSSSSSSS          YYY             SSSSSSSS
   SSSSSSSS          YYY             SSSSSSSS
          SSS        YYY                   SSS
          SSS        YYY                   SSS
          SSS        YYY                   SSS
          SSS        YYY                   SSS
          SSS        YYY                   SSS
          SSS        YYY                   SSS
SSSSSSSSSSSS         YYY          SSSSSSSSSSSS
SSSSSSSSSSSS         YYY          SSSSSSSSSSSS
SSSSSSSSSSSS         YYY          SSSSSSSSSSSS
```

_S

Ps
--

YZ

ZS

ZS

ZS

ZS

ZS

ZS

ZS

ZS

ZS

ZS

ZS

```
RRRRRRRR   UU      UU  FFFFFFFFFF   SSSSSSSS  YY        YY   SSSSSSSS   VV        VV   EEEEEEEEEE   CCCCCCCC
RRRRRRRR   UU      UU  FFFFFFFFFF   SSSSSSSS  YY        YY   SSSSSSSS   VV        VV   EEEEEEEEEE   CCCCCCCC
RR     RR  UU      UU  FF                 SS  YY        YY           SS VV        VV   EE                  CC
RR     RR  UU      UU  FF                 SS  YY        YY           SS VV        VV   EE                  CC
RR     RR  UU      UU  FF                 SS     YY  YY              SS VV        VV   EE                  CC
RRRRRRRR   UU      UU  FFFFFFFF       SSSSSS        YY           SSSSSS VV        VV   EEEEEEE             CC
RRRRRRRR   UU      UU  FFFFFFFF       SSSSSS        YY           SSSSSS VV        VV   EEEEEEE             CC
RR  RR     UU      UU  FF                 SS        YY               SS VV        VV   EE                  CC
RR  RR     UU      UU  FF                 SS        YY               SS VV        VV   EE                  CC
RR     RR  UU      UU  FF                 SS        YY               SS  VV    VV      EE                  CC   ....
RR     RR  UU      UU  FF                 SS        YY               SS  VV    VV      EE                  CC   ....
RR     RR  UUUUUUUUUU  FF           SSSSSSSS        YY         SSSSSSSS     VV         EEEEEEEEEE   CCCCCCCC    ....
RR     RR  UUUUUUUUUU  FF           SSSSSSSS        YY         SSSSSSSS     VV         EEEEEEEEEE   CCCCCCCC    ....
```

```
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
```

RUFSYSVEC
V04-000

B 4
- SYS.EXE EXES Vectors for RUF Loadable   16-SEP-1984 02:38:46   VAX/VMS Macro V04-00   Page   1
                                           5-SEP-1984 03:47:12   [SYS.SRC]RUFLOAVEC.MAR;1   (1)

SCH
V04

```
0000      1         .IF DF PRMSW
0000      2            .Title   RUFLOAVEC - Load Vectors for RUF Loadable Image
0000      3         .IF_FALSE
0000      4            .TITLE   RUFSYSVEC - SYS.EXE EXES Vectors for RUF Loadable Image
0000      5         .ENDC
0000      6
0000      7            .IDENT   /V04-000/
0000      8
0000      9
0000     10  ;********************************************************************************
0000     11  ;*                                                                            *
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0000     29  ;*                                                                            *
0000     30  ;*                                                                            *
0000     31  ;********************************************************************************
0000     32  ;
0000     33  ;
0000     34  ;++
0000     35  ; Facility:
0000     36  ;
0000     37  ;       VAX/VMS Journaling
0000     38  ;
0000     39  ; Abstract:
0000     40  ;
0000     41  ;       Loadable code vector for RUF Loadable Image
0000     42  ;
0000     43  ; Environment:
0000     44  ;
0000     45  ;       Not applicable.
0000     46  ;
0000     47  ; Author:        Paul Beck         Creation Date:  11-SEP-1983
0000     48  ;
0000     49  ; Modified by:
0000     50  ;
0000     51  ;       V03-002 WMC0001        Wayne Cardoza   09-Dec-1983
0000     52  ;               Make all psects nowrt.
0000     53  ;
0000     54  ;       V03-001 PRB0263        Paul Beck       16-Sep-1983  11:34
0000     55  ;               Change EXESRUF_BASE to EXESGL_RUFBASE
0000     56  ;
0000     57  ;--
```

RUFSYSVEC
V04-000

C 4
- SYS.EXE EXE$ Vectors for RUF Loadable   16-SEP-1984 02:38:46 VAX/VMS Macro V04-00   Page 2
                                          5-SEP-1984 03:47:12   [SYS.SRC]RUFLOAVEC.MAR;1   (2)

SC⊢
V04

```
0000        59              $SLVDEF
0000        60
0000        61
0000        62          .IF DF PRMSW
0000        63              .PSECT    _RUF_END,NOWRT
0000        64              .BYTE   0
0000        65
0000        66  RUF$ENDVEC::
0000        67              .PSECT  $$$RUFVEC,LONG,NOWRT
0000        68
0000        69  RUF$STARTVEC::
0000        70              SLVTAB  END     = RUF$ENDVEC, -
0000        71                      SUBTYP  = DYN$C_PAGED, -
0000        72                      PROT_R  = PRT$C_UR, -
0000        73                      FACILITY= <Recovery Unit>
0000        74  ;
0000        75  ;       Load vector for RUF Kernel Mode dispatcher
0000        76  ;
0000        77
0000        78              LOADVEC TYPE      = SLV$K_SDATA, -
0000        79                      ENTRY     = EXE$LOAD_KRUF+2, -
0000        80                      SEC_LABEL = RUFINT$RUF_DISPATCH
0000        81
0000        82
0000        83              .IFF                        ; FOR LINKING WITH SYS.EXE
00000000    84              .PSECT  $$$500,LONG
0000        85              .ALIGN  LONG
0000        86              .ENDC
0000        87
0000        88
0000        89  ;
0000        90  ;       Load vector for pointer to RUF base
0000        91  ;
0000        92
0000        93              LOADVEC TYPE      = SLV$K_SDATA, -
0000        94                      ENTRY     = EXE$GL_RUFBASE, -
0000        95                      SEC_LABEL = RUF$STARTVEC, -
0000        96                      DEF_RTN   = 0
0004        97
0004        98  ;
0004        99  ;       Load vectors for mode-of-caller RUF services
0004       100  ;
0004       101          ;       N.A.
0004       102
0004       103  .END
```

RUFSYSVEC   - SYS.EXE EXE$ Vectors for RUF Loadable 16-SEP-1984 02:38:46 VAX/VMS Macro V04-00   Page 3   SCH
Symbol table   5-SEP-1984 03:47:12 [SYS.SRC]RUFLOAVEC.MAR;1   (2)   V04

D 4

```
EXE$GL_RUFBASE    00000000 RG    02
SLV$K_SDATA     = 00000004
```

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

PSECT name	Allocation	PSECT No.	Attributes										
. ABS .	00000000 (0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE
ABS	00000000 (0.)	01 (1.)	NOPIC	USR	CON	ABS	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE
$$$500	00000004 (4.)	02 (2.)	NOPIC	USR	CON	REL	LCL	NOSHR	EXE	RD	WRT	NOVEC	LONG

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

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.09	00:00:00.29
Command processing	106	00:00:00.60	00:00:01.13
Pass 1	120	00:00:00.93	00:00:01.72
Symbol table sort	0	00:00:00.01	00:00:00.01
Pass 2	32	00:00:00.32	00:00:00.52
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	1	00:00:00.02	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	293	00:00:01.99	00:00:03.72

The working set limit was 1050 pages.
2812 bytes (6 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 26 non-local and 0 local symbols.
103 source lines were read in Pass 1, producing 13 object records in Pass 2.
10 pages of virtual memory were used to define 8 macros.

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

Macro library name	Macros defined
_255DUA28:[SYS.OBJ]LIB.MLB;1	2
_255DUA28:[SYSLIB]STARLET.MLB;2	3
TOTALS (all libraries)	5

142 GETS were required to define 5 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS$:RUFSYSVEC/OBJ=OBJ$:RUFSYSVEC MSRC$:RUFLOAVEC/UPDATE=(ENH$:RUFLOAVEC)+EXEC$MLS/LIB

SHELL
LIS

RSE
LIS

SCBVECTOR
LIS

SDAT
LIS

SHMGSDRTN
LIS

SCSVEC
LIS

SCHED
LIS

SECAUDIT
LIS

SPTSKEL
LIS

RUFSYSVEC
LIS