



```

000000      TTTTTTTTTT  SSSSSSSS  LL      IIIIII  NN      NN  KK      KK      AAAAAA  GGGGGGGG
000000      TTTTTTTTTT  SSSSSSSS  LL      IIIIII  NN      NN  KK      KK      AAAAAA  GGGGGGGG
00      00      TT      SS      LL      II      NN      NN  KK      KK      AA      AA  GG
00      00      TT      SS      LL      II      NN      NN  KK      KK      AA      AA  GG
00      00      TT      SS      LL      II      NNNN   NN  KK      KK      AA      AA  GG
00      00      TT      SSSSSS  LL      II      NNNN   NN  KK      KK      AA      AA  GG
00      00      TT      SSSSSS  LL      II      NN      NN  KKKKKK  KK      AA      AA  GG
00      00      TT      SS      LL      II      NN      NN  KKKKKK  KK      AA      AA  GG
00      00      TT      SS      LL      II      NN      NN  KK      KK      AAAAAAAAAA  GG  GGGGGG
00      00      TT      SS      LL      II      NN      NN  KK      KK      AAAAAAAAAA  GG  GGGGGG
00      00      TT      SS      LL      II      NN      NN  KK      KK      AA      AA  GG      GG
00      00      TT      SS      LL      II      NN      NN  KK      KK      AA      AA  GG      GG
000000      TT      SSSSSSSS  LLLLLLLLLL  IIIIII  NN      NN  KK      KK      AA      AA  GG      GG
000000      TT      SSSSSSSS  LLLLLLLLLL  IIIIII  NN      NN  KK      KK      AA      AA  GGGGGG
                                           GGGGGG
                                           GGGGGG
                                           GGGGGG
                                           GGGGGG

```

```

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
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS

```

OTSS\$LINKAGE  
Table of contents

I 14  
- Pull in anything required by compilers 16-SEP-1984 00:32:12 VAX/VMS Macro V04-00

Page 0

OT  
1-

(2) 51  
(3) 74

DECLARATIONS  
OTSS\$LINKAGE - pull in stuff required by compilers

```

0000 1      .TITLE OTSSLINKAGE - Pull in anything required by compilers
0000 2      .IDENT /1-003/ ; File: OTSLINKAG.MAR
0000 3
0000 4
0000 5 *****
0000 6 *
0000 7 *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 8 *  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 9 *  ALL RIGHTS RESERVED.
0000 10 *
0000 11 *  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0000 12 *  ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0000 13 *  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0000 14 *  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0000 15 *  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0000 16 *  TRANSFERRED.
0000 17 *
0000 18 *  THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 19 *  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 20 *  CORPORATION.
0000 21 *
0000 22 *  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23 *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 *
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 ++
0000 30 : FACILITY: General Utility Library
0000 31
0000 32 : ABSTRACT:
0000 33
0000 34 :     Pull in any code, constants, etc. required by compilers.
0000 35 :     (Currently there is nothing, but compiler outputs reference anyway).
0000 36
0000 37 : ENVIRONMENT: User Mode, AST Reentrant
0000 38
0000 39 --
0000 40 : AUTHOR: Jonathan M. Taylor, CREATION DATE: 23-Jan-78
0000 41
0000 42 : MODIFIED BY:
0000 43
0000 44 :     JMT, 23-Jan-78 : VERSION 0
0000 45 :     0-1 - Original
0000 46 :     0-4 - Remove LIB$K_VERSION (use major,minor id in MAP). TNH 29-July-78
0000 47 :     1-001 - Update version number and copyright notice. JBS 16-NOV-78
0000 48 :     1-002 - Add "" to the PSECT directive. JBS 22-DEC-78
0000 49 :     1-003 - Add FOR$LINKAGE and BAS$LINKAGE. JBS 13-JUL-1979

```

```

0000 51 .SBTTL DECLARATIONS
0000 52 :
0000 53 : INCLUDE FILES:
0000 54 :
0000 55 :
0000 56 :
0000 57 : MACROS:
0000 58 :
0000 59 :
0000 60 :
0000 61 : EQUATED SYMBOLS:
0000 62 :
0000 63 :
0000 64 :
0000 65 : OWN STORAGE:
0000 66 :
0000 67 :
0000 68 :
0000 69 : PSECT DECLARATIONS:
0000 70 :
0000 71 .PSECT _OTSS$CODE PIC, SHR, LONG, EXE, NOWRT
0000 72

```

OT  
SY  
AL  
AL  
AL  
FO  
LU  
LU  
LU  
LU  
OT  
OT  
RE  
RE  
SC  
  
PS  
--  
-O  
-O  
  
Ph  
--  
In  
Co  
Pa  
Sy  
Pa  
Sy  
Ps  
Cr  
As  
  
Th  
75  
Th  
33  
6  
  
Ma  
--  
-S  
-S  
TO

```
0000 74 .SBTTL OTSSLINKAGE - pull in stuff required by compilers
0000 75
0000 76 :++
0000 77 : FUNCTIONAL DESCRIPTION:
0000 78 :
0000 79 :
0000 80 : CALLING SEQUENCE:
0000 81 :
0000 82 : INPUT PARAMETERS:
0000 83 :
0000 84 : NONE
0000 85 :
0000 86 : IMPLICIT INPUTS:
0000 87 :
0000 88 : NONE
0000 89 :
0000 90 : OUTPUT PARAMETERS:
0000 91 :
0000 92 : NONE
0000 93 :
0000 94 : IMPLICIT OUTPUTS:
0000 95 :
0000 96 : NONE
0000 97 :
0000 98 : FUNCTION VALUE:
0000 99 :
0000 100 :
0000 101 : SIDE EFFECTS:
0000 102 :
0000 103 : NONE
0000 104 :
0000 105 :--
0000 106 .ENTRY OTSSLINKAGE, 0
0002 107 HALT ; in case a user tries to call it
0003 108 :+
0003 109 : Put in per-language names, in case we ever need them.
0003 110 :-
00000000 0003 111 FORSLINKAGE==OTSSLINKAGE
00000000 0003 112 BASSLINKAGE==OTSSLINKAGE
0003 113
0003 114 .END
```

OTSSLINKAGE  
Symbol table

OTSSLINKAGE 00000000 RG 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 |
| _OTSSCODE  | 00000003 ( 3.) | 01 ( 1.)  | PIC USR CON REL LCL SHR EXE RD NOWRT NOVEC LONG         |

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

| Phase                  | Page faults | CPU Time    | Elapsed Time |
|------------------------|-------------|-------------|--------------|
| Initialization         | 29          | 00:00:00.04 | 00:00:00.93  |
| Command processing     | 116         | 00:00:00.29 | 00:00:02.50  |
| Pass 1                 | 68          | 00:00:00.23 | 00:00:01.52  |
| Symbol table sort      | 0           | 00:00:00.00 | 00:00:00.00  |
| Pass 2                 | 38          | 00:00:00.16 | 00:00:02.07  |
| Symbol table output    | 2           | 00:00:00.01 | 00:00:00.01  |
| Psect synopsis output  | 2           | 00:00:00.01 | 00:00:00.01  |
| Cross-reference output | 0           | 00:00:00.00 | 00:00:00.00  |
| Assembler run totals   | 257         | 00:00:00.74 | 00:00:07.04  |

The working set limit was 900 pages.  
1042 bytes (3 pages) of virtual memory were used to buffer the intermediate code.  
There were 10 pages of symbol table space allocated to hold 3 non-local and 0 local symbols.  
114 source lines were read in Pass 1, producing 11 object records in Pass 2.  
0 pages of virtual memory were used to define 0 macros.

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

| Macro library name                  | Macros defined |
|-------------------------------------|----------------|
| _\$255\$DUA28:[SYSLIB]STARLET.MLB;2 | 0              |

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:OTSLINKAG/OBJ=OBJ\$:OTSLINKAG MSRC\$:OTSLINKAG/UPDATE=(ENH\$:OTSLINKAG)

0212 AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

33-439-10