


```

LL      IIIIII  BBBB8888  VV      VV  EEEEEEEEE  CCCCCCCC  TTTTTTTTT  RRRRRRRR  222222
LL      IIIIII  BBBB8888  VV      VV  EEEEEEEEE  CCCCCCCC  TTTTTTTTT  RRRRRRRR  222222
LL      II      BB      BB  VV      VV  EE          CC          TT          RR      RR  22      22
LL      II      BB      BB  VV      VV  EE          CC          TT          RR      RR  22      22
LL      II      BB      BB  VV      VV  EE          CC          TT          RR      RR  22      22
LL      II      BB      BB  VV      VV  EE          CC          TT          RR      RR  22      22
LL      II      BBBB8888  VV      VV  EEEEEEEEE  CCCCCCCC  TTTTTTTTT  RRRRRRRR  22      22
LL      II      BBBB8888  VV      VV  EEEEEEEEE  CCCCCCCC  TTTTTTTTT  RRRRRRRR  22      22
LL      II      BB      BB  VV      VV  EE          CC          TT          RR      RR  22      22
LL      II      BB      BB  VV      VV  EE          CC          TT          RR      RR  22      22
LL      II      BB      BB  VV      VV  EE          CC          TT          RR      RR  22      22
LLLLLLLL  IIIIII  BBBB8888  VV      VV  EEEEEEEEE  CCCCCCCC  TTTTTTTTT  RRRRRRRR  2222222222  ....
LLLLLLLL  :IIIII  BBBB8888  VV      VV  EEEEEEEEE  CCCCCCCC  TTTTTTTTT  RR      RR  2222222222  ....

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
LLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLL  IIIIII  SSSSSSSS

```

.....

(2)	46	DECLARATIONS
(3)	118	LIBRTL2 Vector

```
0000 1 .TITLE LIB$VECTR2 - Entry vectors for LIBRTL2.EXE
0000 2 .IDENT /1-001/ ; File: LIBVECTR2.MAR Edit:LEB1001
0000 3
0000 4
0000 5 *****
0000 6 *
0000 7 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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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: Run-Time Library - General Utility Procedures
0000 31
0000 32 : ABSTRACT:
0000 33
0000 34 : This module contains the entry vector definitions for the
0000 35 : VAX-11 Run-Time Library shareable image LIBRTL2.EXE
0000 36
0000 37 : ENVIRONMENT: User mode, AST Reentrant
0000 38
0000 39 : AUTHOR: Linda Benson, CREATION DATE: 2-June-1983
0000 40
0000 41 : MODIFIED BY:
0000 42
0000 43 : 1-001 - Original. LEB 2-June-1983
0000 44 :--
```

```
0000 46      .SBTTL  DECLARATIONS
0000 47      :
0000 48      : LIBRARY MACRO CALLS:
0000 49      :
0000 50      : LIB$:S.MLB required
0000 51      :
0000 52      : EXTERNAL DECLARATIONS:
0000 53      :
0000 54      : .DSABL  GBL           ; force all external symbols to be declared
0000 55      :
0000 56      : MACROS:
0000 57      :
0000 58      :
0000 59      :+
0000 60      : Macro to define an entry vector for a CALL entry point
0000 61      :-
0000 62      :
0000 63      : .MACRO  VCALL  NAME
0000 64      : .EXTRN  NAME
0000 65      : .ALIGN  QUAD
0000 66      : .TRANSFER  NAME
0000 67      : .MASK    NAME
0000 68      : JMP      NAME+2
0000 69      : .ENDM
0000 70      :
0000 71      :+
0000 72      : Macro to define an entry vector for a JSB entry point
0000 73      :-
0000 74      :
0000 75      : .MACRO  VJSB  NAME
0000 76      : .EXTRN  NAME
0000 77      : .ALIGN  QUAD
0000 78      : .TRANSFER  NAME
0000 79      : JMP      NAME
0000 80      : .BLKB   2
0000 81      : .ENDM
0000 82      :
0000 83      :+
0000 84      : Macro to define a table that is included in the vector.  The macros
0000 85      : invoked by VTAB are in LIB$:S.MLB.
0000 86      :-
0000 87      :
0000 88      : .MACRO  VTAB  NAME
0000 89      : .ALIGN  QUAD
0000 90      : .TRANSFER  NAME
0000 91      : NAME::  '$'NAME
0000 92      : .ENDM
0000 93      :
0000 94      :+
0000 95      : Macro to define an alias for the next vectored entry point
0000 96      :-
0000 97      :
0000 98      : .MACRO  ALIAS  NAME
0000 99      : .TRANSFER  NAME
0000 100     : .ENDM
0000 101
0000 102
```

LIB\$VECTR2
1-001

- Entry vectors for LIBRTL2.EXE I 3
DECLARATIONS

15-SEP-1984 23:45:25 VAX/VMS Macro V04-00
6-SEP-1984 11:12:08 [LIBRTL.SRC]LIBVECTR2.MAR;1

Page 3
(2)

```
0000 103 :  
0000 104 : EQUATED SYMBOLS:  
0000 105 :  
0000 106 :     NONE  
0000 107 :  
0000 108 : OWN STORAGE:  
0000 109 :  
0000 110 :     NONE  
0000 111 :  
0000 112 : PSECT DECLARATIONS:  
0000 113 :  
00000000 114 : .PSECT $LIB$VECTR2 PIC,USR,CON,REL,LCL,SHR, -  
0000 115 :     EXE, RD, NOWRT, QUAD  
0000 116 :
```

LI
2-

```
0000 118      .SBTTL LIBRTL2 Vector
0000 119
0000 120 :+
0000 121 : Define vectored entry points for the General Utility Procedures
0000 122 : by module in alphabetical order.
0000 123 :
0000 124 : Any additions to this file should be reflected in
0000 125 : COMS:LIBRTLVEC2.DAT. All new entry points must be appended to the end
0000 126 : of the list. NEVER change existing entries unless you are sure that
0000 127 : what you do won't break existing programs.
0000 128 :-
0000 129 :
0000 130 : Module LIB$CVTDXX
0000 131      VCALL LIB$CVT_DX_DX
0008 132 :
0008 133 : Module LIB$DECODE_FAULT
0008 134      VCALL LIB$DECODE_FAULT
0010 135 :
0010 136 : Module LIB$SIM_TRAP
0010 137      VCALL LIB$SIM_TRAP
0018 138      .END
```

; End of module LIB\$VECTR2

LIB\$VECTR2
Symbol table

- Entry vectors for LIBRTL2.EXE K 3

15-SEP-1984 23:45:25 VAX/VMS Macro V04-00 Page 5
6-SEP-1984 11:12:08 [LIBRTL.SRC]LIBVECTR2.MAR;1 (3)

LIB\$CVT_DX_DX
LIB\$DECODE_FAULT
LIB\$SIM_TRAP

***** X 01
***** X 01
***** X 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		
\$LIB\$VECTR2	00000018 (24.)	01 (1.)	PIC	USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	QUAD		

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	37	00:00:00.05	00:00:01.17
Command processing	132	00:00:00.32	00:00:02.59
Pass 1	78	00:00:00.29	00:00:02.40
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	38	00:00:00.20	00:00:01.04
Symbol table output	2	00:00:00.00	00:00:00.01
Psect synopsis output	1	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	290	00:00:00.87	00:00:07.22

The working set limit was 750 pages.
1326 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.
138 source lines were read in Pass 1, producing 11 object records in Pass 2.
4 pages of virtual memory were used to define 4 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/LIS=LIS\$:LIBVECTR2/OBJ=OBJ\$:LIBVECTR2 MSRC\$:LIBVECTR2/UPDATE=(ENH\$:LIBVECTR2)

This image displays a grid of 144 small terminal window screenshots, arranged in 12 rows and 12 columns. Each window shows a different library name and associated data, likely representing a list of libraries or a directory listing. The libraries shown include:

- OTSCCB LIS
- OTSCCBDAT LIS
- OTSCVTOP LIS
- OTSCVOUT LIS
- OTSCVTP LIS
- OTSCVTLT LIS
- LIBVECTR2 LIS
- LIBWATT LIS
- OTSCLOSEP LIS
- OTSCVTHP LIS
- LIBVECTOR LIS
- OTSCVTOT LIS
- LIBUM LIS
- OTSCVTGP LIS

The screenshots are arranged in a grid, with each window showing a different library name and associated data. The text is small and difficult to read, but the overall layout is consistent across all windows.