

BBBBBBBBBBBB		AAAAAAA		SSSSSSSSSS		RRRRRRRRRR		TTTTTTTTTTTT		LLL
BBBBBBBBBBBB		AAAAAAA		SSSSSSSSSS		RRRRRRRRRR		TTTTTTTTTTTT		LLL
BBBBBBBBBBBB		AAAAAAA		SSSSSSSSSS		RRRRRRRRRR		TTTTTTTTTTTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA	SSS		RRR	RRR	TTT		LLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRRRRRRRRR		TTT		LLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRRRRRRRRR		TTT		LLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRRRRRRRRR		TTT		LLL
BBB	BBB	AAAAAAAAAAAA			SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAAAAAAAAAAA			SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAAAAAAAAAAA			SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA		SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA		SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA		SSS	RRR	RRR	TTT		LLL
BBB	BBB	AAA	AAA		SSS	RRR	RRR	TTT		LLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRR	RRR	TTT		LLLLLLLLLLLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRR	RRR	TTT		LLLLLLLLLLLL
BBBBBBBBBBBB		AAA	AAA	SSSSSSSS		RRR	RRR	TTT		LLLLLLLLLLLL

```
BBBBBBBBB      AAAAAA      SSSSSSSS      VV      VV      EEEEEEEEEEE      CCCCCCCC      TTTTTTTTTT      RRRRRRRR      222222
BBBBBBBBB      AAAAAA      SSSSSSSS      VV      VV      EEEEEEEEEEE      CCCCCCCC      TTTTTTTTTT      RRRRRRRR      222222
BB      BB      AA      AA      SS      VV      VV      EE      CC      TT      RR      RR      22      22
BB      BB      AA      AA      SS      VV      VV      EE      CC      TT      RR      RR      22      22
BB      BB      AA      AA      SS      VV      VV      EE      CC      TT      RR      RR      22      22
BBBBBBBBB      AA      AA      SSSSSS      VV      VV      EEEEEEEE      CC      TT      RRRRRRRR      22
BBBBBBBBB      AA      AA      SSSSSS      VV      VV      EEEEEEEE      CC      TT      RRRRRRRR      22
BB      BB      AAAAAAAAAA      SS      VV      EE      CC      TT      RR      RR      22
BB      BB      AAAAAAAAAA      SS      VV      EE      CC      TT      RR      RR      22
BB      BB      AA      AA      SS      VV      EE      CC      TT      RR      RR      22
BB      BB      AA      AA      SS      VV      EE      CC      TT      RR      RR      22
BBBBBBBBB      AA      AA      SSSSSSSS      VV      EEEEEEEEEEE      CCCCCCCC      TT      RR      RR      2222222222
BBBBBBBBB      AA      AA      SSSSSSSS      VV      EEEEEEEEEEE      CCCCCCCC      TT      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
LL      II      SS
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS
```

(2) 47
(3) 123

DECLARATIONS
BASRTL2 Vector

```
0000 1 .TITLE BAS$VECTR2 - Entry vectors for BASRTL2.EXE
0000 2 .IDENT /1-002/ ; File: BASVECTR2.MAR Edit: MDL1002
0000 3
0000 4
0000 5 *****
0000 6
0000 7 *
0000 8 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 18 *
0000 19 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 20 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 21 * CORPORATION.
0000 22 *
0000 23 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 24 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 :++
0000 30 : FACILITY: Run-Time Library - BASIC Language Support
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 BASRTL2.EXE
0000 36
0000 37 : ENVIRONMENT: User mode, AST Reentrant
0000 38
0000 39 : AUTHOR: Matthew D. LaPine, CREATION DATE: 19-May-1983
0000 40
0000 41 : MODIFIED BY:
0000 42
0000 43 : 1-001 - adapted from BASVECTOR. MDL 19-May-1983
0000 44 : 1-002 - rename to BASVECTR2, image is now BASRTL2. MDL 9-Aug-1983
0000 45 :--
```

```
0000 47      .SBTTL  DECLARATIONS
0000 48      :
0000 49      : LIBRARY MACRO CALLS:
0000 50      :
0000 51      :     NONE
0000 52      :
0000 53      : EXTERNAL DECLARATIONS:
0000 54      :
0000 55      :     .DSABL  GBL                ; Force all external symbols to be declared
0000 56      :
0000 57      : MACROS:
0000 58      :
0000 59      :
0000 60      :+
0000 61      : Macro to define an entry vector for a CALL entry point
0000 62      : -
0000 63      :
0000 64      : .MACRO  VCALL  NAME, ALTMSK
0000 65      : .EXTRN          NAME
0000 66      : .TRANSFER          NAME
0000 67      : .IF B ALTMSK
0000 68      : .MASK          NAME
0000 69      : .IFF
0000 70      : .MASK          ALTMSK
0000 71      : .ENDC
0000 72      : JMP          NAME+2
0000 73      : .ENDM
0000 74      :
0000 75      :+
0000 76      : Macro to define an entry vector for a JSB entry point
0000 77      : -
0000 78      :
0000 79      : .MACRO  VJSB  NAME
0000 80      : .EXTRN          NAME
0000 81      : .TRANSFER          NAME
0000 82      : JMP          NAME
0000 83      : .BLKB          2
0000 84      : .ENDM
0000 85      :
0000 86      :+
0000 87      : Macro to define an entry vector for a condition handler whose actual
0000 88      : routine address has a different name from the vector entry.
0000 89      : -
0000 90      :
0000 91      : .MACRO  VHANDL  NAME, INTNAME
0000 92      : .EXTRN          INTNAME
0000 93      : .TRANSFER          NAME
0000 94      : NAME::
0000 95      : .MASK          INTNAME
0000 96      : JMP          INTNAME+2
0000 97      : .ENDM
0000 98      :
0000 99      :+
0000 100     : Macro to define an alias for the next vectored entry point
0000 101     : -
0000 102     :
0000 103     : .MACRO  ALIAS  NAME
```

BASSVECTR2
1-002

- Entry vectors for BASRTL2.EXE E 11
DECLARATIONS

15-SEP-1984 23:37:06
6-SEP-1984 10:39:52

VAX/VMS Macro V04-00
[BASRTL.SRC]BASVECTR2.MAR;1

Page 3
(2)

0000	104	.TRANSFER	NAME
0000	105	.ENDM	
0000	106		
0000	107		
0000	108		
0000	109	:	
0000	110	EQUATED SYMBOLS:	
0000	111	NONE	
0000	112		
0000	113	OWN STORAGE:	
0000	114	NONE	
0000	115		
0000	116		
0000	117	PSECT DECLARATIONS:	
0000	118		
00000000	119	.PSECT \$BASSVECTR2	PIC, USR, CON, REL, LCL, SHR, -
0000	120		EXE, RD, NOWRT, LONG
0000	121		

```
0000 123      .SBTTL BASRTL2 Vector
0000 124
0000 125 :+
0000 126 : Define vectored entry points for the BASIC Language Support procedures
0000 127 : by module in alphabetical order.
0000 128 :
0000 129 : Any additions to this file should be reflected in
0000 130 : COM$;BASRTLVEC2.DAT. All new entry points must be appended to the end
0000 131 : of the list. NEVER change existing entries unless you are sure that
0000 132 : what you do won't break existing programs.
0000 133 :-
0000 134
0000 135 : Module BAS$MAT_ADD
0000 136
0000 137      VCALL BAS$MAT_ADD
0008 138
0008 139 : Module BAS$MAT_ASSIGN
0008 140
0008 141      VCALL BAS$MAT_ASSIGN
0010 142
0010 143 : Module BAS$MAT_IDN
0010 144
0010 145      VCALL BAS$MAT_IDN
0018 146
0018 147 : Module BAS$MAT_INIT
0018 148
0018 149      VCALL BAS$MAT_INIT
0020 150
0020 151 : Module BAS$MAT_INV
0020 152
0020 153      VCALL BAS$MAT_INV
0028 154
0028 155 : Module BAS$MAT_MUL
0028 156
0028 157      VCALL BAS$MAT_MUL
0030 158
0030 159 : Module BAS$MAT_NULL
0030 160
0030 161      VCALL BAS$MAT_NULL
0038 162
0038 163 : Module BAS$MAT_REDIM
0038 164
0038 165      VCALL BAS$MAT_REDIM
0040 166
0040 167 : Module BAS$MAT_SCA_MUL
0040 168
0040 169      VCALL BAS$MAT_SCA_MUL
0048 170
0048 171 : Module BAS$MAT_SUB
0048 172
0048 173      VCALL BAS$MAT_SUB
0050 174
0050 175 : Module BAS$MAT_TRN
0050 176
0050 177      VCALL BAS$MAT_TRN
0058 178
0058 179 : Module BAS$NOT_IMP
```


BAS\$VECTR2
Symbol table

- Entry vectors for BASRTL2.EXE

H 11

15-SEP-1984 23:37:06
6-SEP-1984 10:39:52

VAX/VMS Macro V04-00
[BASRTL.SRC]BASVECTR2.MAR;1

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(3)

BAS\$CVT_D_S	*****	X	01
BAS\$CVT_F_S	*****	X	01
BAS\$CVT_S_D	*****	X	01
BAS\$CVT_S_F	*****	X	01
BAS\$CVT_S_W	*****	X	01
BAS\$CVT_W_S	*****	X	01
BAS\$MAT_ADD	*****	X	01
BAS\$MAT_ASSIGN	*****	X	01
BAS\$MAT_IDN	*****	X	01
BAS\$MAT_INIT	*****	X	01
BAS\$MAT_INV	*****	X	01
BAS\$MAT_MUL	*****	X	01
BAS\$MAT_NULL	*****	X	01
BAS\$MAT_REDIM	*****	X	01
BAS\$MAT_SCA_MUL	*****	X	01
BAS\$MAT_SUB	*****	X	01
BAS\$MAT_TRN	*****	X	01
BAS\$NOT_IMP	*****	X	01
BAS\$ONECHR	*****	X	01
BAS\$SYS	*****	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				
\$BAS\$VECTR2	000000A0 (160.)	01 (1.)	PIC	USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	LONG				

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	34	00:00:00.11	00:00:00.49
Command processing	134	00:00:00.46	00:00:01.37
Pass 1	87	00:00:00.79	00:00:01.19
Symbol table sort	0	00:00:00.00	00:00:00.01
Pass 2	49	00:00:00.44	00:00:00.70
Symbol table output	4	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	311	00:00:01.87	00:00:03.82

The working set limit was 900 pages.
 3656 bytes (8 pages) of virtual memory were used to buffer the intermediate code.
 There were 10 pages of symbol table space allocated to hold 20 non-local and 0 local symbols.
 208 source lines were read in Pass 1, producing 13 object records in Pass 2.
 4 pages of virtual memory were used to define 4 macros.

! Macro library statistics !

Macro library name

Macros defined

_S255\$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\$:BASVECTR2/OBJ=OBJ\$:BASVECTR2 MSRC\$:BASVECTR2/UPDATE=(ENH\$:BASVECTR2)

0033 AH-BT13A-SE
VAX/VMS V4.0

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