


```

1 0001 0 MODULE OTSS$TERM_IO (
2 0002 0 IDENT = '1-002'
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
9 0009 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
10 0010 1 * ALL RIGHTS RESERVED. *
11 0011 1 *
12 0012 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
13 0013 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
14 0014 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
15 0015 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
16 0016 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
17 0017 1 * TRANSFERRED. *
18 0018 1 *
19 0019 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
20 0020 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
21 0021 1 * CORPORATION. *
22 0022 1 *
23 0023 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
24 0024 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: Language independent, I/O support
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This module contains a routine which tests the currently
36 0036 1 outstanding I/O, and reports whether it is to a terminal.
37 0037 1 This function is used by BASIC error processing, since
38 0038 1 some I/O errors are processed differently if the I/O device
39 0039 1 is a terminal.
40 0040 1
41 0041 1 ENVIRONMENT: VAX-11 User Mode
42 0042 1
43 0043 1 AUTHOR: John Sauter, CREATION DATE: 06-APR-1979
44 0044 1
45 0045 1 MODIFIED BY:
46 0046 1
47 0047 1 1-001 - Original. JBS 06-APR-1979
48 0048 1 1-002 - Change name to OTSS$TERM_IO. JBS 26-JUL-1979
49 0049 1 --
50 0050 1
51 0051 1 !<BLF/PAGE>
    
```



```

53 0052 1 | SWITCHES:
54 0053 1 |
55 0054 1 |
56 0055 1 |
57 0056 1 SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
58 0057 1 |
59 0058 1 |
60 0059 1 | LINKAGES:
61 0060 1 |
62 0061 1 |
63 0062 1 REQUIRE 'RTLIN:OTSLNK'; ! Define linkages
64 0491 1 |
65 0492 1 |
66 0493 1 | TABLE OF CONTENTS:
67 0494 1 |
68 0495 1 |
69 0496 1 FORWARD ROUTINE
70 0497 1 OTSS$TERM_IO; ! Test for terminal I/O
71 0498 1 |
72 0499 1 |
73 0500 1 | INCLUDE FILES:
74 0501 1 |
75 0502 1 |
76 0503 1 REQUIRE 'RTLML:OTSLUB'; ! Get LUB definitions
77 0643 1 |
78 0644 1 REQUIRE 'RTLIN:RTLPSECT'; ! Macros for defining psects
79 0739 1 |
80 0740 1 LIBRARY 'RTLSTARLE'; ! System symbols
81 0741 1 |
82 0742 1 |
83 0743 1 | MACROS:
84 0744 1 |
85 0745 1 | NONE
86 0746 1 |
87 0747 1 | EQUATED SYMBOLS:
88 0748 1 |
89 0749 1 | NONE
90 0750 1 |
91 0751 1 | PSECTS:
92 0752 1 |
93 0753 1 DECLARE_PSECTS (OTS); ! Declare psects for OTSS$ facility
94 0754 1 |
95 0755 1 | OWN STORAGE:
96 0756 1 |
97 0757 1 | NONE
98 0758 1 |
99 0759 1 | EXTERNAL REFERENCES:
100 0760 1 |
101 0761 1 |
102 0762 1 EXTERNAL
103 0763 1 OTSS$A_CUR_LUB; ! Current logical unit block
104 0764 1 |

```

```

: 106      0765 1 GLOBAL ROUTINE OTSS$TERM_IO =                ! Test for terminal I/O
: 107      0766 1
: 108      0767 1 ++
: 109      0768 1 FUNCTIONAL DESCRIPTION:
: 110      0769 1
: 111      0770 1     Test to see if the current I/O is terminal I/O.
: 112      0771 1
: 113      0772 1 FORMAL PARAMETERS:
: 114      0773 1
: 115      0774 1     NONE
: 116      0775 1
: 117      0776 1 IMPLICIT INPUTS:
: 118      0777 1
: 119      0778 1     OTSS$A_CUR_LUB.ra          The current logical unit block
: 120      0779 1
: 121      0780 1 IMPLICIT OUTPUTS:
: 122      0781 1
: 123      0782 1     NONE
: 124      0783 1
: 125      0784 1 ROUTINE VALUE:
: 126      0785 1 COMPLETION CODES:
: 127      0786 1
: 128      0787 1     0 = There is no current I/O, or the current I/O is not
: 129      0788 1         to a terminal.
: 130      0789 1     1 = The current I/O is to a terminal.
: 131      0790 1
: 132      0791 1 SIDE EFFECTS:
: 133      0792 1
: 134      0793 1     NONE
: 135      0794 1
: 136      0795 1 --
: 137      0796 1
: 138      0797 2 BEGIN
: 139      0798 2
: 140      0799 2 GLOBAL REGISTER
: 141      0800 2     CCB = 11 : REF BLOCK [, BYTE];
: 142      0801 2
: 143      0802 2 ++
: 144      0803 2 Load register CCB with the current LUB. We use register CCB instead
: 145      0804 2 of a local in case a later version of this routine wishes to call
: 146      0805 2 some other routine, since the convention is to have the pointer
: 147      0806 2 to the current logical unit block in register CCB.
: 148      0807 2 --
: 149      0808 2     CCB = .OTSS$A_CUR_LUB;
: 150      0809 2 ++
: 151      0810 2 If there is no current logical unit block, there is no I/O
: 152      0811 2 outstanding, and we return a FALSE indication.
: 153      0812 2 --
: 154      0813 2
: 155      0814 2     IF (.CCB EQLA 0) THEN RETURN (0);
: 156      0815 2
: 157      0816 2 ++
: 158      0817 2 Otherwise we test the "terminal" bit in the LUB, which was set by
: 159      0818 2 OPEN based on the device type bits reported by VMS.
: 160      0819 2 --
: 161      0820 2
: 162      0821 2     IF (.CCB [LUB$V_TERM_DEV]) THEN RETURN (1);

```

RELEA

OTSS\$TERM_IO
1-002

E 5
16-Sep-1984 01:25:40
14-Sep-1984 12:39:57

VAX-11 Bliss-32 V4.0-742
[LIBRTL.SRC]OTSTERMIO.B32;1

Page 4
(3)

: 163 0822 2
: 164 0823 2 RETURN (0);
: 165 0824 1 END;

! end of OTSS\$TERM_IO

.TITLE OTSS\$TERM_IO
.IDENT \1-002\
.EXTRN OTSS\$A_CUR_LUB
.PSECT _OTSS\$CODE,NOWRT, SHR, PIC,2

04 FE AB 50
5B 00000000G 00 D0 00002
09 13 00009
05 E1 0000B
01 D0 00010
04 00013
50 D4 00014 1\$:
04 00016

.ENTRY OTSS\$TERM_IO, Save R11
MOVL OTSS\$A_CUR_LUB, CCB
BEQL 1\$
BBC #5, -2(CCB), 1\$
MOVL #1, R0
RET
CLRL R0
RET

: 0765
: 0808
: 0814
: 0821
: 0824
:

; Routine Size: 23 bytes, Routine Base: _OTSS\$CODE + 0000

: 166 0825 1
: 167 0826 1 END
: 168 0827 1
: 169 0828 0 ELUDOM

! end of module OTSS\$TERM_IO

PSECT SUMMARY

Name Bytes Attributes
_OTSS\$CODE 23 NOVEC,NOWRT, RD, EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0	0	581	00:00.8

COMMAND QUALIFIERS

OTSS\$TERM_10
1-002

F 5
16-Sep-1984 01:25:40
14-Sep-1984 12:39:57

VAX-11 Bliss-32 V4.0-742
[LIBRTL.SRC]OTSTERMIO.B32;1

Page 5
(3)

```
;  
;      BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS$:OTSTERMIO/OBJ=OBJ$:OTSTERMIO MSRC$:OTSTERMIO/UPDATE=(ENH$:OTSTERMIO  
;      )  
;
```

```
: Size:          23 code + 0 data bytes  
: Run Time:      00:04.2  
: Elapsed Time: 00:15.1  
: Lines/CPU Min: 11800  
: Lexemes/CPU-Min: 59030  
: Memory Used:  73 pages  
: Compilation Complete
```

STR
Tab

