


```

1 0001 0 MODULE OTSS$TERM_10 (
2 0002 0 IDENT = '1-002'
3 0003 0 ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 C007 1 *
8 0008 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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25 0025 1 *
26 0026 1 *
27 0027 1 *****
28 U028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: Language independent, I/O support
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1 This module contains a routine which tests the currently
36 0036 1 outstanding I/O, and reports whether it is to a terminal.
37 0037 1 This function is used by BASIC error processing, since
38 0038 1 some I/O errors are processed differently if the I/O device
39 0039 1 is a terminal.
40 0040 1
41 0041 1 ENVIRONMENT: VAX-11 User Mode
42 0042 1
43 0043 1 AUTHOR: John Sauter, CREATION DATE: 06-APR-1979
44 0044 1
45 0045 1 MODIFIED BY:
46 0046 1
47 0047 1 1-001 - Original. JBS 06-APR-1979
48 0048 1 1-002 - Change name to OTSS$TERM_10. JBS 26-JUL-1979
49 0049 1 --
50 0050 1
51 0051 1 !<BLF/PAGE>
    
```

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53 0052 1 |
54 0053 1 | SWITCHES:
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);

```

RELE

```

: 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

```

```

                    0800 00000
                    5B 0000000G 00 D0 00002
                                09 13 00009
04      FE  AB      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	Symbols		Pages Mapped	Processing Time
	Total	Loaded Percent		
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	0 0	581	00:00.8

COMMAND QUALIFIERS

```
: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LISS: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
```

