

VVV		VVV	MMM	MMM	SSSSSSSSSSSS	LLL	IIIIIIII	0000000000	
VVV		VVV	MMM	MMM	SSSSSSSSSSSS	LLL	IIIIIIII	0000000000	
VVV		VVV	MMM	MMM	SSSSSSSSSSSS	LLL	IIIIIIII	0000000000	
VVV		VVV	MMMMMM	MMMMMM	SSS	LLL	III	000	000
VVV		VVV	MMMMMM	MMMMMM	SSS	LLL	III	000	000
VVV		VVV	MMMMMM	MMMMMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSSSSSSSSS	LLL	III	0000000000	
VVV		VVV	MMM	MMM	SSSSSSSSSS	LLL	III	0000000000	
VVV		VVV	MMM	MMM	SSSSSSSSSS	LLL	III	0000000000	
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSS	LLL	III	000	000
VVV		VVV	MMM	MMM	SSSSSSSSSSSS	LLLLLLLLLLLLLLLL	IIIIIIII	0000000000	
VVV		VVV	MMM	MMM	SSSSSSSSSSSS	LLLLLLLLLLLLLLLL	IIIIIIII	0000000000	
VVV		VVV	MMM	MMM	SSSSSSSSSSSS	LLLLLLLLLLLLLLLL	IIIIIIII	0000000000	

[illegible]


```

0001 0 %TITLE 'SCR$INPUT - Input routines for the screen package'
0002 0 MODULE SCR$INPUT (
0003 0 IDENT = 'V04-000' ! File: SCRINPUT.B32 Edit: PLL1001
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: Screen Management
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This module contains routines which perform input from the screen
0037 1 via keyboard or keypad.
0038 1
0039 1 ENVIRONMENT: User mode, Shared library routines.
0040 1
0041 1 AUTHOR: P. Levesque, CREATION DATE: 18-Oct-1982
0042 1
0043 1 MODIFIED BY:
0044 1
0045 1 1-001 - Original. PLL 18-Oct-1982
0046 1 --
0047 1

```



```
.. 49 0048 1 %SBTTL 'Declarations'
.. 50 0049 1
.. 51 0050 1 SWITCHES:
.. 52 0051 1
.. 53 0052 1
.. 54 0053 1
.. 55 0054 1 LINKAGES:
.. 56 0055 1
.. 57 0056 1 NONE
.. 58 0057 1
.. 59 0058 1 TABLE OF CONTENTS:
.. 60 0059 1
.. 61 0060 1
.. 62 0061 1 FORWARD ROUTINE
.. 63 0062 1
.. 64 0063 1 SCR$GET_SCREEN; ! Get text from screen
.. 65 0064 1
.. 66 0065 1
.. 67 0066 1 The following is defined via a GLOBAL BIND.
.. 68 0067 1
.. 69 0068 1 LIB$GET_SCREEN = SCR$GET_SCREEN
.. 70 0069 1
.. 71 0070 1
.. 72 0071 1
.. 73 0072 1 INCLUDE FILES
.. 74 0073 1
.. 75 0074 1
.. 76 0075 1 REQUIRE 'SRC$:SCRPROLOG'; ! defines psects, macros, tcb,
.. 77 0150 1 ! wcb, & terminal symbols
.. 78 0151 1
.. 79 0152 1 EXTERNAL REFERENCES
.. 80 0153 1
.. 81 0154 1
.. 82 0155 1 EXTERNAL ROUTINE
.. 83 0156 1 SCR$$GET_TYPE_R3 : GET_TYPE_LINK, ! Get device type
.. 84 0157 1 LIB$GET_INPUT; ! Get a line of text from SYS$INPUT.
.. 85 0158 1
.. 86 0159 1 EXTERNAL
.. 87 0160 1 SCR$L_FLINKHEAD, ! Head of chain of TCB's
.. 88 0161 1 SCR$L_CUROUTPUT; ! Pointer to current TCB
.. 89 0162 1
.. 90 0163 1 !<BLF/PAGE>
```



```

92 0164 1 %SBTTL 'LIB$GET_SCREEN - Get Text from Screen'
93 0165 1 GLOBAL ROUTINE LIB$GET_SCREEN (
94 0166 1 INPUT_TEXT : REF BLOCK [,BYTE],
95 0167 1 PROMPT_STR : REF BLOCK [,BYTE],
96 0168 1 OUT_LEN : REF VECTOR [,WORD]
97 0169 1 ) =
98 0170 1 ++
99 0171 1 FUNCTIONAL DESCRIPTION:
100 0172 1 This routine accepts input from the terminal into a
101 0173 1 user-specified buffer. An optional string may be given to be
102 0174 1 used for a prompt. If a third parameter is present, it will
103 0175 1 be set to the length of the string read.
104 0176 1
105 0177 1 CALLING SEQUENCE:
106 0178 1 ret_status.wlc.v = LIB$GET_SCREEN (INPUT_TEXT.wt.dx
107 0179 1 [,PROMPT_STR.rt.dx
108 0180 1 [,OUT_LEN.wvu.r])
109 0181 1
110 0182 1 FORMAL PARAMETERS:
111 0183 1
112 0184 1 INPUT_TEXT.wt.dx Address of buffer descriptor.
113 0185 1
114 0186 1 PROMPT_STR.rt.dx Optional. Address of descriptor of
115 0187 1 prompt string.
116 0188 1
117 0189 1 OUT_LEN.wvu.r Optional. Length of input string read.
118 0190 1
119 0191 1 IMPLICIT INPUTS:
120 0192 1
121 0193 1 NONE
122 0194 1
123 0195 1 IMPLICIT OUTPUTS:
124 0196 1
125 0197 1 NONE
126 0198 1
127 0199 1 COMPLETION STATUS:
128 0200 1
129 0201 1 SSS_NORMAL Normal successful completion
130 0202 1
131 0203 1 SIDE EFFECTS:
132 0204 1
133 0205 1 NONE
134 0206 1
135 0207 1 --
136 0208 1
137 0209 1 +
138 0210 1 Equate to SCR$ entry point.
139 0211 1
140 0212 1 -
141 0213 1
142 0214 1 GLOBAL BIND ROUTINE LIB$GET_SCREEN = SCR$GET_SCREEN ;
143 0215 1 !<BLF/PAGE>
```



```
145 0216 1 %SBTTL 'SCR$GET_SCREEN - Get Text from Screen'
146 0217 1 GLOBAL ROUTINE SCR$GET_SCREEN (
147 0218 1     INPUT_TEXT : REF BLOCK [,BYTE],
148 0219 1     PROMPT_STR : REF BLOCK [,BYTE],
149 0220 1     OUT_LEN    : REF VECTOR [,WORD]
150 0221 1 ) =
151 0222 1
152 0223 1 ++
153 0224 1 FUNCTIONAL DESCRIPTION:
154 0225 1     This routine accepts input from the terminal into a
155 0226 1     user-specified buffer. An optional string may be given to be
156 0227 1     used for a prompt. If a third parameter is present, it will
157 0228 1     be set to the length of the string read.
158 0229 1
159 0230 1 CALLING SEQUENCE:
160 0231 1
161 0232 1     ret_status.wlc.v = SCR$GET_SCREEN (INPUT_TEXT.wt.dx
162 0233 1     [,PROMPT_STR.rt.dx
163 0234 1     [,OUT_LEN.wwu.r]])
164 0235 1
165 0236 1 FORMAL PARAMETERS:
166 0237 1
167 0238 1     INPUT_TEXT.wt.dx     Address of buffer descriptor.
168 0239 1     PROMPT_STR.rt.dx    Optional. Address of descriptor of
169 0240 1                        prompt string.
170 0241 1
171 0242 1     OUT_LEN.wwu.r       Optional. Length of input string read.
172 0243 1
173 0244 1 IMPLICIT INPUTS:
174 0245 1
175 0246 1     NONE
176 0247 1
177 0248 1 IMPLICIT OUTPUTS:
178 0249 1
179 0250 1     NONE
180 0251 1
181 0252 1 COMPLETION STATUS:
182 0253 1
183 0254 1     Statuses returned by LIB$GET_INPUT.
184 0255 1
185 0256 1 SIDE EFFECTS:
186 0257 1
187 0258 1     NONE
188 0259 1
189 0260 1 --
190 0261 1
191 0262 2 BEGIN
192 0263 2
193 0264 2 BUILTIN
194 0265 2     AP,
195 0266 2     CALLG ;
196 0267 2
197 0268 2 LOCAL
198 0269 2     TCB : REF BLOCK [, BYTE] ,      ! Current terminal control block
199 0270 2                                     ! Needed by $SCR$GET_TYPE
200 0271 2     TERM_TYPE,                      ! dummy arg - device type
201 0272 2     STATUS;
```

SCR\$INPUT
V04-000

SCR\$INPUT - Input routines for the screen packa
SCR\$GET_SCREEN - Get Text from Screen

J 8
16-Sep-1984 02:30:29
14-Sep-1984 13:34:43

VAX-11 Bliss-32 V4.0-742
[VMSLIB.SRC]SCRINPUT.B32;1

Page 5
(4)

```
: 202      0273  2
: 203      0274  2      STATUS = SCR$$GET_TYPE_R3 (SCR$C_GET_SCREEN; TCB, TERM_TYPE) ;
: 204      0275  2      ! this will call foreign terminal
: 205      0276  2      ! code if necessary
: 206      0277  2
: 207      0278  2      IF .TCB [SCR$B_TYPE] NEQ VTFOREIGN
: 208      0279  2      THEN
: 209      0280  2      RETURN ( CALLG ( .AP, LIB$GET_INPUT))
: 210      0281  2      ELSE
: 211      0282  2      RETURN (.STATUS);      ! foreign terminal handler does its
: 212      0283  2      ! own input
: 213      0284  2
: 214      0285  1      END;      ! End of routine SCR$GET_SCREEN
```

.TITLE SCR\$INPUT SCR\$INPUT - Input routines for the screen packa

.IDENT \V04-000\

.EXTRN SCR\$\$GET_TYPE_R3

.EXTRN LIB\$GET_INPUT, SCR\$L_FLINKHEAD

.EXTRN SCR\$L_COROUTPUT

.PSECT _LIB\$CODE,NOWRT, SHR, PIC,2

.ENTRY SCR\$GET_SCREEN, Save R2,R3

MOVL #1, R0

JSB SCR\$\$GET_TYPE_R3

CMPB 10(TCB), -#4

BEQL 1\$

CALLG (AP), LIB\$GET_INPUT

RET

: 0217
: 0274
: 0278
: 0280
: 0285

; Routine Size: 25 bytes, Routine Base: _LIB\$CODE + 0000

; 215 0286 1 !<BLF/PAGE>

SCR\$INPUT
V04-000

SCR\$INPUT - Input routines for the screen packa
SCR\$GET_SCREEN - Get Text from Screen

K 8
16-Sep-1984 02:30:29
14-Sep-1984 13:34:43

VAX-11 Bliss-32 V4.0-742
[VMSLIB.SRC]SCRINPUT.B32;1

Page 6
(5)

: 217
: 218
: 219
0287 1 END
0288 1
0289 0 ELUDOM

! End of module LIB\$SCREEN

LIB\$GET_SCREEN== SCR\$GET_SCREEN

PSECT SUMMARY

: Name Bytes Attributes
: _LIB\$CODE 25 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	1	0	581	00:01.0
_\$255\$DUA28:[VMSLIB.OBJ]SCRLIB.L32;1	62	2	3	7	00:00.1

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:SCRINPUT/OBJ=OBJ\$:SCRINPUT MSRC\$:SCRINPUT/UPDATE=(ENH\$:SCRINPUT)

: Size: 25 code + 0 data bytes
: Run Time: 00:03.5
: Elapsed Time: 00:04.5
: Lines/CPU Min: 4926
: Lexemes/CPU-Min: 6937
: Memory Used: 36 pages
: Compilation Complete

SCR
V04

000

000

0437 AH-BT13A-SE
VAX/VMS V4.0

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