


```

SSSSSSSS  CCCCCCCC  RRRRRRRR  LL  I11111  00000000
SSSSSSSS  CCCCCCCC  RRRRRRRR  LL  I11111  00000000
SS        CC        RR        RR  LL        00        00
SS        CC        RR        RR  LL        00        00
SS        CC        RR        RR  LL        00        00
SS        CC        RR        RR  LL        00        00
SSSSSS    CC        RRRRRRRR  LL        00000000
SSSSSS    CC        RRRRRRRR  LL        00000000
SS        CC        RR  RR    LL        00        00
SS        CC        RR  RR    LL        00        00
SS        CC        RR  RR    LL        00        00
SS        CC        RR  RR    LL        00        00
SSSSSSSS  CCCCCCCC  RR        RR  LLLLLLLLLL  I11111  00000000
SSSSSSSS  CCCCCCCC  RR        RR  LLLLLLLLLL  I11111  00000000

```

```

LL        I11111  SSSSSSSS
LL        I11111  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  I11111  SSSSSSSS
LLLLLLLLLL  I11111  SSSSSSSS

```

: F
:

0001 0
0002 0
0003 0
0004 0
0005 0
0006 0
0007 0
0008 0
0009 0
0010 0
0011 0
0012 0
0013 0
0014 0
0015 0
0016 0
0017 0
0018 0
0019 0
0020 0
0021 0
0022 0
0023 0
0024 0
0025 0
0026 0
0027 0
0028 0
0029 0
0030 0
0031 0
0032 0
0033 0
0034 0
0035 0
0036 0
0037 0
0038 0
0039 0
0040 0
0041 0
0042 0
0043 0
0044 0
0045 0
0046 0
0047 0
0048 0
0049 0
0050 0
0051 0
0052 0
0053 0
0054 0
0055 0
0056 0
0057 0

```
Terminal Control Block Definitions for RTL SCRS facility
File: SCRTCB.REQ      Edit: RKR1001

Version:      'V04-000'

*****
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++
FACILITY:      Screen Management

ABSTRACT:

This file contains the offsets for each variable in the Terminal Control
Block.  A TCB is allocated by the screen package for each channel/terminal.

AUTHOR: R. Reichert, CREATION DATE: 25-AUG-1982

MODIFIED BY:

1-001 - Original.  RKR 25-AUG-1982
--

+
Terminal control block
-----
MACRO
SCR$L_FLINK      = 0, 0, 32, 0%,      ! Link pointer to next terminal
                                        ! control block
SCR$L_BUFFER     = 4, 0, 32, 0%,      ! Address of buffer for buffer
                                        ! mode
SCR$W_CHAN       = 8, 0, 16, 0%,      ! Channel number for this
                                        ! terminal
SCR$B_TYPE       = 10, 0, 8, 0%,      ! Terminal type
```

```
0058 0 SCR$B_DEVTYPE = 11, 0, 8, 0% ; Device type ($DCDEF)
0059 0 SCR$W_DEVWIDTH = 12, 0, 16, 0% ; Line width in characters
0060 0 SCR$W_DEVPAGSIZ = 14, 0, 16, 0% ; Lines on screen
0061 0 SCR$L_DEVCHAR = 16, 0, 32, 0% ; Supported device characteristics
0062 0 SCR$L_AREA = 20, 0, 32, 0% ; Size of screen maps
0063 0 SCR$L_CHARMAP = 24, 0, 32, 0% ; Address of character array
0064 0 SCR$L_ATTRMAP = 28, 0, 32, 0% ; Address of attribute array
0065 0 SCR$L_MODFMAP = 32, 0, 32, 0% ; Address of modified bit map
0066 0 SCR$L_LINE = 36, 0, 32, 0% ; Current line
0067 0 SCR$L_COLUMN = 40, 0, 32, 0% ; Current column
0068 0 SCR$L_ATTRMASK = 44, 0, 32, 0% ; OR'd attributes for ATTRMAP
0069 0 SCR$L_STREAM = 48, 0, 32, 0% ; User-assigned stream number
0070 0 SCR$W_IFI = 52, 0, 16, 0% ; Context for RMS file calls
0071 0 SCR$W_ISI = 54, 0, 16, 0% ; Context for RMS record calls
0072 0 SCR$Q_RTNINFO = 56, 0, 64, 0% ; Quadword describing next two
0073 0 ; locations
0074 0 SCR$L_RTNADDR = 56, 0, 32, 0% ; Routine call-back address for
0075 0 ; output
0076 0 SCR$L_RTNARG = 60, 0, 32, 0% ; Argument to pass to routine
0077 0 SCR$L_CONTROL = 64, 0, 32, 0% ; Screen control flags
0078 0 SCR$V_SCROLL = 64, 0, 1, 0% ; Scrolling region active
0079 0 ; 1 = ON
0080 0 SCR$L_DEVDEPND2 = 68, 0, 32, 0% ; DEVDEPND2 as returned by
0081 0 ; GETDVI
0082 0 SCR$L_EFN = 72, 0, 32, 0% ; Event flag number to use for
0083 0 ; QIOs
0084 0 SCR$L_BUFSIZ = 76, 0, 32, 0% ; Size of buffer
0085 0 SCR$L_FTDATA = 80, 0, 32, 0% ; Data area for use by SCRFT (32 bytes)
0086 0 SCR$L_FAB = 112, 0, 32, 0% ; FAB alloc for output file
0087 0 SCR$L_RAB = 116, 0, 32, 0% ; RAB alloc for output fil
0088 0 ; *** next free area is loc 120 ***
0089 0
0090 0 LITERAL
0091 0 SCR$C_SIZE = 120; ; Size of block per terminal
```

0092 0
0093 0
0094 0
0095 0
0096 0
0097 0
0098 0
0099 0
0100 0
0101 0
0102 0
0103 0
0104 0
0105 0
0106 0
0107 0
0108 0
0109 0
0110 0
0111 0
0112 0
0113 0
0114 0
0115 0
0116 0
0117 0
0118 0
0119 0
0120 0
0121 0
0122 0
0123 0
0124 0
0125 0
0126 0
0127 0
0128 0
0129 0
0130 0
0131 0
0132 0
0133 0
0134 0
0135 0
0136 0
0137 0
0138 0
0139 0
0140 0
0141 0
0142 0
0143 0
0144 0
0145 0
0146 0
0147 0
0148 0

```
Terminal Definitions for RTL SCR$ facility
File: SCRTERM.REQ Edit: PLL1001

Version: 'V04-000'

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++
FACILITY: Screen Management

ABSTRACT:
This file contains terminal type definitions and escape sequences
which are needed by various routines in the screen package.

MODIFIED BY:
1-001 - Original. PLL 18-Oct-1982

+
Special characters
-----
LITERAL
BLANK = XX'20' ! blank (space)
BS = XX'08' ! Backspace
FF = XX'0C' ! Form feed
LF = XX'0A' ! Line feed
CR = XX'0D' ! Carriage return
ESC = XX'1B' ! Escape
LB = XX'5B' ! Left bracket (VT100)
SEMI = XX'3B' ! Semi-colon
```

```
0149 0 NULL = XX'00'; ! Null
0150 0
0151 0
0152 0 + Miscellaneous constants
0153 0 -----
0154 0 -
0155 0 LITERAL
0156 0 BUFSIZE = 512 ! Length of internal buffer in FOREIGN
0157 0 CB = XX'1F'; ! Line/column bias in message
0158 0
0159 0 + Terminal type definitions
0160 0 -----
0161 0 -
0162 0 LITERAL
0163 0 UNKNOWN = 0; ! Non-graphics or unknown type
0164 0 VT05 = 1; ! VT05 series terminal
0165 0 VT52 = 2; ! VT5x series terminal
0166 0 VT100 = 3; ! VT100 series terminal
0167 0 VTFOREIGN = 4; ! Foreign terminal (FT1-8)
0168 0
0169 0
0170 0 + VT05 Codes
0171 0 -----
0172 0 -
0173 0 LITERAL
0174 0 VT05_SC = XX'0E'; ! Set cursor position
0175 0 VT05_HOME = XX'1D'; ! Set cursor to home
0176 0 VT05_CUP = XX'1A'; ! Cursor up
0177 0 VT05_EOL = XX'1E'; ! Erase to end of line
0178 0 VT05_EOS = XX'1F'; ! Erase to end of screen
0179 0
0180 0 + VT52 Codes
0181 0 -----
0182 0 -
0183 0 LITERAL
0184 0 VT52_SC = XX'59'; ! Set cursor position
0185 0 VT52_HOME = XX'48'; ! Set cursor to home
0186 0 VT52_DWN = XX'49'; ! Down scroll
0187 0 VT52_EOS = XX'4A'; ! Erase to end of screen
0188 0 VT52_EOL = XX'4B'; ! Erase to end of line
0189 0
0190 0 + VT100 Codes
0191 0 -----
0192 0 -
0193 0 LITERAL
0194 0 VT100_SC = XX'66'; ! Set cursor position
0195 0 VT100_DWN = XX'4D'; ! Down scroll
0196 0 VT100_EOS = XX'4A'; ! Erase to end of screen
0197 0 VT100_EOL = XX'4B'; ! Erase to end of line
0198 0 VT100_SGR = XX'6D'; ! Select graphic rendition
0199 0 VT100_SM = XX'72'; ! Set scrolling region
0200 0
0201 0
0202 0
0203 0
```

COMMAND QUALIFIERS

BLISS/LIB=LIB\$:SCRLIB'LIS=LISS:SCRLIB SRC\$:SCRTCB.REQ+SRC\$:SCRTERM.REQ

: Run Time: 00:01.0
: Elapsed Time: 00:01.8
: Lines/CPU Min: 11825
: Lexemes/CPU-Min: 32155
: Memory Used: 15 pages
: Library Precompilation Complete

