

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43

```

0001 0 MODULE DSPHL ( IDENT = 'V04-000'
0002 0
P 0003 0 %BLISS32[
P 0004 0 ADDRESSING_MODE(EXTERNAL=LONG_RELATIVE, NONEXTERNAL=LONG_RELATIVE)
0005 0 ]
0006 0 ) =
0007 1 BEGIN
0008 1
0009 1 *****
0010 1 *
0011 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
0012 1 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS. *
0013 1 * ALL RIGHTS RESERVED. *
0014 1 *
0015 1 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
0016 1 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE *
0017 1 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER *
0018 1 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
0019 1 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY *
0020 1 * TRANSFERRED. *
0021 1 *
0022 1 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE *
0023 1 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT *
0024 1 * CORPORATION. *
0025 1 *
0026 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS *
0027 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL. *
0028 1 *
0029 1 *
0030 1 *****
0031 1
0032 1
0033 1 ++
0034 1
0035 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
0036 1
0037 1 ABSTRACT: Processes the .DISPLAY LEVELS command.
0038 1
0039 1
0040 1 ENVIRONMENT: Transportable
0041 1
0042 1 AUTHOR: R.W.Friday CREATION DATE: May, 1979
0043 1

```

Revision History

:	45	0044	1	%SBTTL 'Revision History'
:	46	0045	1	:
:	47	0046	1	MODIFIED BY:
:	48	0047	1	:
:	49	0048	1	002 KFA00002 Ken Allen 07-Mar-1983
:	50	0049	1	Global edit of all modules. Updated module names, idents,
:	51	0050	1	copyright dates. Changed require files to BLISS library.
:	52	0051	1	:
:	53	0052	1	!--

Module Level Declarations

```
55 0053 1 %SBTTL 'Module Level Declarations'  
56 0054 1  
57 0055 1 : TABLE OF CONTENTS:  
58 0056 1 :  
59 0057 1 :  
60 0058 1 :  
61 0059 1 : INCLUDE FILES:  
62 0060 1 :  
63 0061 1 :  
64 0062 1 LIBRARY 'NXPOR:XPOR'; ! XPORT Library  
65 0063 1 REQUIRE 'REQ:RNODEF'; ! RUNOFF variant definitions  
66 0194 1  
67 U 0195 1 %IF DSRPLUS %THEN  
68 U 0196 1 LIBRARY 'REQ:DPILIB'; ! DSRPLUS BLISS Library  
69 0197 1 %ELSE  
70 0198 1 LIBRARY 'REQ:DSRLIB'; ! DSR BLISS Library  
71 0199 1 %FI  
72 0200 1  
73 0201 1 :  
74 0202 1 : MACROS:  
75 0203 1 :  
76 0204 1 :  
77 0205 1 :  
78 0206 1 : EQUATED SYMBOLS:  
79 0207 1 :  
80 0208 1 :  
81 0209 1 :  
82 0210 1 : OWN STORAGE:  
83 0211 1 :  
84 0212 1 :  
85 0213 1 :  
86 0214 1 : EXTERNAL REFERENCES:  
87 0215 1 :  
88 0216 1 EXTERNAL  
89 0217 1 IRA : FIXED STRING,  
90 0218 1 HLDSP : VECTOR [MAX_LEVELS];  
91 0219 1  
92 0220 1 EXTERNAL ROUTINE  
93 0221 1 GETDD,  
94 0222 1 RSKIPS,  
95 0223 1 SKPSEP;
```

Module Level Declarations

```

97 0224 1 GLOBAL ROUTINE DSPHL (HANDLER) : NOVALUE =      !
98 0225 1
99 0226 1  +-
100 0227 1  FUNCTIONAL DESCRIPTION:
101 0228 1
102 0229 1      See the ABSTRACT for a general description.
103 0230 1
104 0231 1  FORMAL PARAMETERS:
105 0232 1
106 0233 1      HANDLER is a dummy parameter passed for conformance only.
107 0234 1
108 0235 1  IMPLICIT INPUTS:      None
109 0236 1
110 0237 1  IMPLICIT OUTPUTS:    None
111 0238 1
112 0239 1  ROUTINE VALUE:
113 0240 1  COMPLETION CODES:    None
114 0241 1
115 0242 1  SIDE EFFECTS: None
116 0243 1
117 0244 1  --
118 0245 1
119 0246 2  BEGIN
120 0247 2  LOCAL
121 0248 2  DISPLAY_CODE:
122 0249 2
123 0250 2  !Skip spaces and tabs before the first display descriptor.
124 0251 2  RSKIPS (IRA);
125 0252 2
126 0253 2  !Attempt to get and process enough display descriptors to define
127 0254 2  !the display characteristics of all header levels.
128 0255 2  INCR I FROM 0 TO (MAX_LEVELS - 1) DO
129 0256 2  BEGIN
130 0257 2
131 0258 2  CASE GETDD (DISPLAY_CODE) FROM -1 TO 1 OF
132 0259 2  SET
133 0260 2
134 0261 2  [-1] :
135 0262 2  RETURN;                                !Quit if an error is detected
136 0263 2
137 0264 2  [0] :
138 0265 2  0;                                    !Skip over empty positions
139 0266 2
140 0267 2  [+1] :
141 0268 2  HLDSP [.I] = .DISPLAY_CODE;          !Save this display code
142 0269 2
143 0270 2  TES;
144 0271 2
145 0272 2  !Skip a separator to position to next descriptor
146 0273 2  IF .I NEQ (MAX_LEVELS - 1)
147 0274 2  THEN
148 0275 2  SKPSEP (IRA);
149 0276 2
150 0277 2  END
151 0278 2
152 0279 1  END;                                !End of DSPHL

```

```

                                .TITLE DSPHL
                                .IDENT \V04-000\
                                .EXTRN IRA, HLDSP, GETDD
                                .EXTRN RSKIPS, SKPSEP
                                .PSECT $CODE$,NOWRT,2
                                .ENTRY DSPHL, Save R2,R3
                                MOVAB IRA, R3
                                SUBL2 #4, SP
                                PUSHL R3
                                CALLS #1, RSKIPS
                                CLRL I
                                PUSHL SP
                                CALLS #1, GETDD
                                CASEL R0, #-1, #2
                                .WORD 6$-2$,-
                                        4$-2$,-
                                        3$-2$
                                RET
                                MOVL DISPLAY_CODE, HLDSP[I]
                                CMPL I, #5
                                BEQL 5$
                                PUSHL R3
                                CALLS #1, SKPSEP
                                AOBLEQ #5, I, 1$
                                RET

```

0224
0251
0255
0258
0262
0268
0273
0275
0255
0279

: Routine Size: 74 bytes, Routine Base: \$CODE\$ + 0000

```

: 153      0280 1 END           !End of module
: 154      0281 0 ELUDOM

```

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	74	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]XPORT.L32;1	590	0	0	252	00:00.2
\$255\$DUA28:[RUNOFF.SRC]DSRLIB.L32;1	1248	2	0	86	00:00.2

COMMAND QUALIFIERS

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

: Size: 74 code + 0 data bytes
: Run Time: 00:02.8
: Elapsed Time: 00:10.0
: Lines/CPU Min: 6021
: Lexemes/CPU-Min: 8421
: Memory Used: 27 pages
: Compilation Complete

