

[illegible]

```
DDDDDDDD  I I I I I  SSSSSSSS  PPPPPPPP  I I I I I  MM      MM  DDDDDDDD  MM      MM  PPPPPPPP
DDDDDDDD  I I I I I  SSSSSSSS  PPPPPPPP  I I I I I  MM      MM  DDDDDDDD  MM      MM  PPPPPPPP
DD      DD  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
DD      DD  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
DD      DD  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
DD      DD  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
DD      DD  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
DD      DD  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
DD      DD  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
DDDDDDDD  I I I I I  SSSSSSSS  PPPPPPPP  I I I I I  MM      MM  DDDDDDDD  MM      MM  PPPPPPPP
DDDDDDDD  I I I I I  SSSSSSSS  PPPPPPPP  I I I I I  MM      MM  DDDDDDDD  MM      MM  PPPPPPPP
LL      LL  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
LL      LL  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
LL      LL  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
LL      LL  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
LL      LL  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
LL      LL  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
LL      LL  II      SS      PP      PP  II      MM      MM  DD      DD  MM      MM  PP      PP
LLLLLLLLLL  I I I I I  SSSSSSSS  PPPPPPPP  I I I I I  MM      MM  DDDDDDDD  MM      MM  PPPPPPPP
LLLLLLLLLL  I I I I I  SSSSSSSS  PPPPPPPP  I I I I I  MM      MM  DDDDDDDD  MM      MM  PPPPPPPP
```



```
0001 0 %TITLE ' Display image dump data'
0002 0 MODULE DISPIMDMP ( LANGUAGE (BLISS32),
0003 0 IDENT = 'V04-000') =
0004 0
0005 1 BEGIN
0006 1
0007 1
0008 1 *****
0009 1 *
0010 1 *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0011 1 *  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0012 1 *  ALL RIGHTS RESERVED.
0013 1 *
0014 1 *  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0015 1 *  ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0016 1 *  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0017 1 *  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0018 1 *  OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0019 1 *  TRANSFERRED.
0020 1 *
0021 1 *  THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0022 1 *  AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0023 1 *  CORPORATION.
0024 1 *
0025 1 *  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0026 1 *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1
0033 1 FACILITY: Image Dump
0034 1
0035 1 ABSTRACT:
0036 1 This module contains routines for analyzing and displaying information
0037 1 about image dumps.
0038 1
0039 1 ENVIRONMENT:
0040 1
0041 1 VAX/VMS Operating System
0042 1
0043 1 --
0044 1
0045 1
0046 1 AUTHOR: Wayne M. Cardoza, CREATION DATE: 10-Feb-1983
0047 1
0048 1 MODIFIED BY:
0049 1
0050 1 V03-005 WMC0005 Wayne Cardoza 04-Jun-1984
0051 1 Display patch data only when relevant.
0052 1
0053 1 V03-004 WMC0004 Wayne Cardoza 01-Sep-1983
0054 1 Add identifying data for the original image.
0055 1
0056 1 V03-003 WMC0003 Wayne Cardoza 06-Jul-1983
0057 1 Support /OUTPUT.
```

DISPIMDMP
V04-000

Display image dump data

L 9
16-Sep-1984 01:42:19
14-Sep-1984 12:35:01

VAX-11 Bliss-32 V4.0-742
[IMGDMP.SRC]DISPIMDMP.B32;1

Page (1) 2

.. 58
.. 59
.. 60
.. 61
.. 62
.. 63
.. 64
.. 65

0058 1 !
0059 1 !
0060 1 !
0061 1 !
0062 1 !
0063 1 !
0064 1 !
0065 1 !**

V03-002 WMC0002 Wayne Cardoza 30-Apr-1983
Add new JIB items.

V03-001 WMC0001 Wayne Cardoza 20-Apr-1983
Misc formatting changes.


```

67 0066 1 !
68 0067 1 LIBRARY 'SYSS$LIBRARY:LIB';
69 0068 1 REQUIRE 'LIB$:IMGDMPDEF.R32';
70 0194 1
71 0195 1
72 0196 1
73 0197 1 OWN
74 P 0198 1   OUTFAB      : $FAB (FNM = 'SYSS$OUTPUT',      ! FAB for SYSS$OUTPUT
75 0199 1       FAC = <GET,PUT>),
76 0200 1   OUTRAB      : $RAB (FAB = OUTFAB),
77 0201 1   PROMPT      : VECTOR[%CHARCOUNT ('Press RETURN to continue: ') + 2,BYTE]
78 0202 1       INITIAL(BYTE(13,10,'Press RETURN to continue: ')),
79 0203 1   ANSWER      : VECTOR[4,BYTE],                  ! Buffer to hold responses
80 P 0204 1   INFAB      : $FAB (FNM = 'SYSS$INPUT',        ! FAB for SYSS$INPUT
81 0205 1       FAC = <GET,PUT>),
82 P 0206 1   INRAB      : $RAB (FAB = INFAB,
83 P 0207 1       PBF = PROMPT,
84 P 0208 1       PSZ = %CHARCOUNT ('Press RETURN to continue: ') + 2,
85 P 0209 1       UBF = ANSWER,
86 P 0210 1       USZ = 4,
87 0211 1       ROP = PMT),
88 0212 1   DSPBUF      : VECTOR[512,BYTE],                ! Buffer for text to be displayed
89 0213 1   DSPDESC     : VECTOR[2] INITIAL(512,DSPBUF),
90 0214 1   DSLEN;
91 0215 1
92 0216 1
93 0217 1
94 0218 1 EXTERNAL
95 0219 1   IMGHDR      : BLOCK[,BYTE],                    ! Image header from the dump (first block)
96 0220 1   MISC        : BLOCK[,BYTE],                    ! Buffer holding the misc data block
97 0221 1   MISC_VA     : BLOCK[,BYTE];                    ! VA's of misc P1 space
98 0222 1
99 0223 1
100 0224 1
101 0225 1 EXTERNAL ROUTINE
102 0226 1   CLISGET VALUE,
103 0227 1   CLISPRESENT;
104 0228 1
105 0229 1
106 0230 1
107 0231 1 FORWARD ROUTINE
108 0232 1   DISPLAY_RELOC,
109 0233 1   DISPLAY_MISC,
110 0234 1   CHECK_INTER : NOVALUE;
111 0235 1
112 0236 1
113 0237 1
114 0238 1 MACRO
115 M 0239 1   QUIT ON ERROR =
116 M 0240 1   IF NOT .RETSTATUS
117 M 0241 1   THEN
118 0242 1       RETURN .RETSTATUS; %;
119 0243 1
120 0244 1 KEYWORDMACRO
121 M 0245 1   DISPLAY_FIELD (STRING, FIELD1=0, FIELD2=0, FIELD3=0, FIELD4=0 ) =
122 M 0246 1   BEGIN
123 M 0247 1   RETSTATUS =
```

```
124 M 0248 1 $FAO ( %ASCID %STRING(%CHAR(13,10),STRING),
125 M 0249 1 DSPLEN,
126 M 0250 1 DSPDESC,
127 M 0251 1 FIELD1,
128 M 0252 1 FIELD2,
129 M 0253 1 FIELD3,
130 M 0254 1 FIELD4);
131 M 0255 1 QUIT ON ERROR;
132 M 0256 1 OUTRAB[RAB$L_RBF] = DSPBUF;
133 M 0257 1 OUTRAB[RAB$W_RSZ] = .DSPLEN;
134 M 0258 1 RETSTATUS =
135 M 0259 1 $PUT (RAB = OUTRAB);
136 M 0260 1 QUIT_ON_ERROR;
137 M 0261 1 END;
138 0262 1 %;
139 0263 1
140 0264 1 KEYWORDMACRO
141 M 0265 1 ADD_FIELD (STRING, FIELD1=0, FIELD2=0, FIELD3=0) =
142 M 0266 1 _BEGIN
143 M 0267 1 RETSTATUS =
144 M 0268 1 $FAO ( %ASCID %STRING(STRING),
145 M 0269 1 DSPLEN,
146 M 0270 1 DSPDESC,
147 M 0271 1 FIELD1,
148 M 0272 1 FIELD2,
149 M 0273 1 FIELD3);
150 M 0274 1 QUIT ON ERROR;
151 M 0275 1 OUTRAB[RAB$L_RBF] = DSPBUF;
152 M 0276 1 OUTRAB[RAB$W_RSZ] = .DSPLEN;
153 M 0277 1 RETSTATUS =
154 M 0278 1 $PUT (RAB = OUTRAB);
155 M 0279 1 QUIT_ON_ERROR;
156 M 0280 1 END
157 0281 1 %;
```



```
159 0282 1 GLOBAL ROUTINE DISPLAY_DUMP =
160 0283 1
161 0284 1 !++
162 0285 1
163 0286 1 Functional Description:
164 0287 1 This is the main routine for displaying a dump file.
165 0288 1
166 0289 1 Calling Sequence:
167 0290 1 standard
168 0291 1
169 0292 1 Input Parameters:
170 0293 1 none
171 0294 1
172 0295 1 Implicit Inputs:
173 0296 1 command line
174 0297 1
175 0298 1 Output Parameters:
176 0299 1 none
177 0300 1
178 0301 1 Implicit Outputs:
179 0302 1 none
180 0303 1
181 0304 1 Routines Called:
182 0305 1 none
183 0306 1
184 0307 1 Routine Value:
185 0308 1 none
186 0309 1
187 0310 1 Signals:
188 0311 1 none
189 0312 1
190 0313 1 Side Effects:
191 0314 1 none
192 0315 1
193 0316 1 --
194 0317 2 BEGIN
195 0318 2 LOCAL
196 0319 2 FULL, ! indicate if /FULL was requested
197 0320 2 OUTNAME : BLOCK [4,BYTE],
198 0321 2 RETSTATUS;
199 0322 2
200 0323 2 ! Get output filename
201 0324 2
202 0325 2 IF CL$PRESENT (%ASCID 'OUTPUT')
203 0326 2 THEN
204 0327 2 BEGIN
205 0328 2 OUTNAME[DSC$B_CLASS] = DSC$K_CLASS_D;
206 0329 2 OUTNAME[DSC$B_DTYPE] = DSC$K_DTYPE_T;
207 0330 2 OUTNAME[DSC$W_LENGTH] = 0;
208 0331 2 OUTNAME[DSC$A_POINTER] = 0;
209 0332 2 RETSTATUS =
210 0333 2 CL$GET_VALUE (%ASCID 'OUTPUT', OUTNAME);
211 0334 2 QUIT ON_ERROR;
212 0335 2 OUTFAB[FAB$L_FNA] = .OUTNAME[DSC$A_POINTER];
213 0336 2 OUTFAB[FAB$B_FNS] = .OUTNAME[DSC$W_LENGTH];
214 0337 2 END;
215 0338 2
```



```
216 0339 2 ! Set up for IO
217 0340 2 !
218 0341 2 RETSTATUS =
219 0342 2 $CREATE (FAB = OUTFAB);
220 0343 2 QUIT_ON_ERROR;
221 0344 2 RETSTATUS =
222 0345 2 $CONNECT(RAB = OUTRAB);
223 0346 2 QUIT_ON_ERROR;
224 0347 2 RETSTATUS =
225 0348 2 $OPEN (FAB = INFAB);
226 0349 2 QUIT_ON_ERROR;
227 0350 2 RETSTATUS =
228 0351 2 $CONNECT(RAB = INRAB);
229 0352 2 QUIT_ON_ERROR;
230 0353 2
231 0354 2 ! Display the data if requested
232 0355 2 !
233 0356 2 FULL = CLISPRESNT( %ASCID 'FULL');
234 0357 2
235 0358 2 IF CLISPRESNT( %ASCID 'MISCELLANEOUS')
236 0359 2 OR .FULL
237 0360 2 THEN
238 0361 2 BEGIN
239 0362 2 CHECK_INTER();
240 0363 2 DISPLAY_MISC();
241 0364 2 END;
242 0365 2
243 0366 2 IF CLISPRESNT( %ASCID 'RELOCATION')
244 0367 2 OR .FULL
245 0368 2 THEN
246 0369 2 BEGIN
247 0370 2 CHECK_INTER();
248 0371 2 DISPLAY_RELOC();
249 0372 2 END;
250 0373 2
251 0374 2 CHECK_INTER();
252 0375 2
253 0376 2 RETURN $$$_NORMAL;
254 0377 1 END;
```

```
.TITLE DISPIMDMP Display image dump data
.IDENT \V04-000\
```

```
.PSECT $SPLITS$,NOWRT,NOEXE,2
```

54	55	50	54	55	4F	24	53	59	53	00000	P.AAA:	.ASCII	\SYSS\$OUTPUT\	:
	54	55	50	4E	49	24	53	59	53	0000A	P.AAB:	.ASCII	\SYSS\$INPUT\	:
										00013		.BLKB	1	:
		00	00	54	55	50	54	55	4F	00014	P.AAD:	.ASCII	\OUTPUT\<0><0>	:
										010E0006	0001C	P.AAC:	.LONG	17694726
										00000000	00020		.ADDRESS	P.AAD
		00	00	54	55	50	54	55	4F	00024	P.AAF:	.ASCII	\OUTPUT\<0><0>	:
										010E0006	0002C	P.AAE:	.LONG	17694726
										00000000	00030		.ADDRESS	P.AAF
							4C	4C	55	46	00034	P.AAH:	.ASCII	\FULL\
										010E0004	00038	P.AAG:	.LONG	17694724


```
00 00 53 55 4F 45 4E 41 4C 4C 45 43 53 49 4D 00000000' 0003C .ADDRESS P.AAH
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00040 P.AAJ: .ASCII \MISCELLANEOUS\<0><0><0>
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 0004F
010E000D 00050 P.AAI: .LONG 17694733
00000000' 00054 .ADDRESS P.AAJ
00 00 4E 4F 49 54 41 43 4F 4C 45 52 00058 P.AAL: .ASCII \RELOCATION\<0><0>
010E000A 0C064 P.AAK: .LONG 17694730
00000000' 00068 .ADDRESS P.AAL

.PSECT $OWNS,NOEXE,2

03 00000 OUTFAB: .BYTE 3
50 00001 .BYTE 80
0000 00002 .WORD 0
00000000 00004 .LONG 0
00000000 00008 .LONG 0
00000000 0000C .LONG 0
00000000 00010 .LONG 0
0000 00014 .WORD 0
03 00016 .BYTE 3
00 00017 .BYTE 0
00000000 00018 .LONG 0
00 0001C .BYTE 0
00 0001D .BYTE 0
00 0001E .BYTE 0
02 0001F .BYTE 2
00000000 00020 .LONG 0
00000000 00024 .LONG 0
00000000 00028 .LONG 0
00000000' 0002C .ADDRESS P.AAA
00000000 00030 .LONG 0
0A 00034 .BYTE 10
00 00035 .BYTE 0
0000 00036 .WORD 0
00000000 00038 .LONG 0
0000 0003C .WORD 0
00 0003E .BYTE 0
00 0003F .BYTE 0
00000000 00040 .LONG 0
00000000 00044 .LONG 0
0000 00048 .WORD 0
00 0004A .BYTE 0
00 0004B .BYTE 0
00000000 0004C .LONG 0
01 00050 OUTFAB: .BYTE 1
44 00051 .BYTE 68
0000 00052 .WORD 0
00000000 00054 .LONG 0
00000000 00058 .LONG 0
00000000 0005C .LONG 0
0000# 00060 .WORD 0[3]
0000 00066 .WORD 0
00000000 00068 .LONG 0
0000 0006C .WORD 0
00 0006E .BYTE 0
00 0006F .BYTE 0
0000 00070 .WORD 0
```

```
6F 74 20 4E 52 55 54 45 52 20 73 73 65 72 50 0000 00072 .WORD 0
20 3A 65 75 6E 69 74 6E 6F 63 20 00000000 00074 .LONG 0
00000000 00078 .LONG 0
00000000 0007C .LONG 0
00000000 00080 .LONG 0
00 00084 .BYTE 0
00 00085 .BYTE 0
00 00086 .BYTE 0
00 00087 .BYTE 0
00000000 00088 .LONG 0
00000000 0008C .ADDRESS OUTFAB
00000000 00090 .LONG 0
0A 0D 00094 PROMPT: .BYTE 13, 10
72 50 00096 .ASCII \Press RETURN to continue: \
63 20 000A5
000B0 ANSWER: .BLKB 4
03 000B4 INFAB: .BYTE 3
50 000B5 .BYTE 80
0000 000B6 .WORD 0
00000000 000B8 .LONG 0
00000000 000BC .LONG 0
00000000 000C0 .LONG 0
00000000 000C4 .LONG 0
0000 000C8 .WORD 0
03 000CA .BYTE 3
00 000CB .BYTE 0
00000000 000CC .LONG 0
00 000D0 .BYTE 0
00 000D1 .BYTE 0
00 000D2 .BYTE 0
02 000D3 .BYTE 2
00000000 000D4 .LONG 0
00000000 000D8 .LONG 0
00000000 000DC .LONG 0
00000000 000E0 .ADDRESS P.AAB
00000000 000E4 .LONG 0
09 000E8 .BYTE 9
00 000E9 .BYTE 0
0000 000EA .WORD 0
00000000 000EC .LONG 0
0000 000F0 .WORD 0
00 000F2 .BYTE 0
00 000F3 .BYTE 0
00000000 000F4 .LONG 0
00000000 000F8 .LONG 0
0000 000FC .WORD 0
00 000FE .BYTE 0
00 000FF .BYTE 0
00000000 00100 .LONG 0
01 00104 INRAB: .BYTE 1
44 00105 .BYTE 68
0000 00106 .WORD 0
40000000 00108 .LONG 1073741824
00000000 0010C .LONG 0
00000000 00110 .LONG 0
0000# 00114 .WORD 0[3]
0000 0011A .WORD 0
```



```
00000000 0011C .LONG 0
0000 00120 .WORD 0
00 00122 .BYTE 0
00 00123 .BYTE 0
0004 00124 .WORD 4
0000 00126 .WORD 0
00000000 00128 .ADDRESS ANSWER
00000000 0012C .LONG 0
00000000 00130 .LONG 0
00000000 00134 .ADDRESS PROMPT
00000000 00138 .BYTE 28
00 00139 .BYTE 0
00 0013A .BYTE 0
00 0013B .BYTE 0
00000000 0013C .LONG 0
00000000 00140 .ADDRESS INFAB
00000000 00144 .LONG 0
00000200 00148 DSPBUF: .BLKB 512
00000000 00348 DSPDESC: .LONG 512
00000000 0034C .ADDRESS DSPBUF
00350 DSPLN: .BLKB 4

.EXTRN IMGHDR, MISC, MISC VA
.EXTRN CLISGET VALUE, CLISPRESENT
.EXTRN SYSSCREATE, SYSSCONNECT
.EXTRN SYSSOPEN

.PSECT $CODE$,NOWRT,2

.ENTRY DISPLAY DUMP, Save R2,R3,R4,R5,R6
MOVAB CHECK_INTER, R6
MOVAB SYSSCONNECT, R5
MOVAB CLISPRESENT, R4
MOVAB P.AAC, R3
SUBL2 #4, SP
PUSHL R3
CALLS #1, CLISPRESENT
BLBC R0, 1$
MOVL #34471936, OUTNAME
CLRL OUTNAME+4
PUSHL SP
PUSHAB P.AAE
CALLS #2, CLISGET VALUE
BLBC RETSTATUS, 6$
MOVL OUTNAME+4, OUTFAB+44
MOVB OUTNAME, OUTFAB+52
PUSHAB OUTFAB
CALLS #1, SYSSCREATE
BLBC RETSTATUS, 6$
PUSHAB OUTRAB
CALLS #1, SYSSCONNECT
BLBC RETSTATUS, 6$
PUSHAB INFAB
CALLS #1, SYSSOPEN
BLBC RETSTATUS, 6$
PUSHAB INRAB
CALLS #1, SYSSCONNECT
```

007C 00000
56 0000V CF 9E 00002
55 00000000G 00 9E 00007
54 0000G CF 9E 0000E
53 00C0' CF 9E 00013
5E 04 C2 00018
53 DD 0001B
64 01 FB 0001D
20 50 E9 00020
6E 020E0000 8F D0 00023
6D D4 0002A
5E DD 0002C
10 A3 9F 0002E
0000G CF 02 FB 00031
71 50 E9 00036
0000' CF 6D D0 00039
0000' CF 6E 90 0003E
00000000G 00 CF 9F 00043 1\$:
59 01 FB 00047
50 E9 0004E
0000' CF 9F 00051
65 01 FB 00055
4F 50 E9 00058
0000' CF 9F 0005B
00000000G 00 01 FB 0005F
41 50 E9 00066
0000' CF 9F 00069
65 01 FB 0006D

0282
0325
0330
0331
0333
0335
0336
0342
0345
0348
0351

37		50	E9	00070	BLBC	RETSTATUS, 6\$	...	
	1C	A3	9F	00073	PUSHAB	P.AAG	...	0356
64		01	FB	00076	CALLS	#1, CLISPRESNT	...	
52		50	D0	00079	MOVL	R0, FULL	...	
	34	A3	9F	0007C	PUSHAB	P.AAI	...	0358
64		01	FB	0007F	CALLS	#1, CLISPRESNT	...	
03		50	E8	00082	BLBS	R0, 2\$	...	
08		52	E9	00085	BLBC	FULL, 3\$	...	0359
66		00	FB	00088	CALLS	#0, CHECK_INTER	...	0362
0000V	CF	00	FB	0008B	CALLS	#0, DISPLAY_MISC	...	0363
		A3	9F	00090	PUSHAB	P.AAK	...	0366
64		01	FB	00093	CALLS	#1, CLISPRESNT	...	
03		50	E8	00096	BLBS	R0, 4\$	...	
08		52	E9	00099	BLBC	FULL, 5\$	...	0367
66		00	FB	0009C	CALLS	#0, CHECK_INTER	...	0370
0000V	CF	00	FB	0009F	CALLS	#0, DISPLAY_RELOC	...	0371
66		00	FB	000A4	CALLS	#0, CHECK_INTER	...	0374
50		01	D0	000A7	MOVL	#1, R0	...	0376
		04	000AA	6\$:	RET		...	0377

; Routine Size: 171 bytes, Routine Base: \$CODE\$ + 0000


```
256 0378 1 ROUTINE CHECK_INTER : NOVALUE =  
257 0379 2 BEGIN  
258 0380  
259 0381  
260 0382  
261 0383  
262 0384  
263 0385  
264 0386  
265 0387  
266 0388  
267 0389  
268 0390  
269 0391  
270 0392  
271 0393  
272 0394  
273 0395  
274 0396  
275 0397  
276 0398  
277 0399  
278 0400  
279 0401  
280 0402  
281 0403  
282 0404  
283 0405  
284 0406  
285 0407  
286 0408  
287 0409  
288 0410  
289 0411  
290 0412  
291 0413  
292 0414  
293 0415  
294 0416  
295 0417  
296 0418  
297 0419  
298 0420  
299 0421  
300 0422  
301 0423  
302 0424  
303 0425  
304 0426  
305 0427  
306 0428  
307 0429  
308 0430  
309 0431  
310 0432  
311 0433  
312 0434
```

1 ROUTINE CHECK_INTER : NOVALUE =
2 BEGIN
3
4 ++
5
6 Functional Description:
7 This routine pauses for interactive use.
8
9 Calling Sequence:
10 standard
11
12 Input Parameters:
13 none
14
15 Implicit Inputs:
16 command line
17
18 Output Parameters:
19 none
20
21 Implicit Outputs:
22 none
23
24 Routines Called:
25 CLISPRESENT
26
27 Routine Value:
28 none
29
30 Signals:
31 none
32
33 Side Effects:
34 none
35
36 --
37
38 OWN
39 FIRST;
40 ! Is this the first call
41
42 IF CLISPRESENT(%ASCID 'INTERACTIVE')
43 AND
44 .FIRST NEQ 0
45 THEN
46 BEGIN
47 \$GET (RAB = INRAB);
48 !
49 ! Exit on a ^Z
50 !
51 IF .ANSWER[0] EQL %X'1A'
52 THEN
53 \$EXIT();
54 END;
55
56 FIRST = .FIRST + 1;

0435 1 END:

```
.PSECT SPLITS,NOWRT,NOEXE,2
```

```
.ASCII \INTERACTIVE\<0>
.LONG 17694731
.ADDRESS P.AAN
```

.PSECT SOWNS,NOEXE,2

00354 FIRST: .BLKB 4

```
.EXTRN  SYS$GET, SYS$EXIT
```

```
.PSECT $CODE$,NOWRT,2
```

```
0000 00000 CHECK_INTER:
```

		0000'	CF	9F	00002
0000G	CF		01	FB	00006
	21		50	E9	0000B
		0000'	CF	D5	0000E
			1B	13	00012
		0000'	CF	9F	00014
00000000G	00		01	FB	00018
	1A	0000'	CF	91	0001F
			09	12	00024
			01	DD	00026
00000000G	00		01	FB	00028
		0000'	CF	D6	0002F
				04	00033

```

PUSHAB      Save nothing
PUSHAB      P.AAM
CALLS        #1, CLISPRESNT
BLBC         RO, 1$
TSTL         FIRST
BEQL         1$
PUSHAB      INRAB
CALLS        #1, SYSS$GET
CMPB         ANSWER, #26
BNEQ         1$
PUSHL        #1
CALLS        #1, SYS$EXIT
INCL         FIRST
RET

```

0378
0419
0421
0424
0428
0430
0433
0435

; Routine Size: 52 bytes, Routine Base: \$CODES + 00AB


```
0436 1 ROUTINE DISPLAY_MISC =
0437 BEGIN
0438
0439 ++
0440
0441 Functional Description:
0442 This routine display misc items of data.
0443
0444 Calling Sequence:
0445 standard
0446
0447 Input Parameters:
0448 none
0449
0450 Implicit Inputs:
0451 misc data block
0452
0453 Output Parameters:
0454 none
0455
0456 Implicit Outputs:
0457 none
0458
0459 Routines Called:
0460 none
0461
0462 Routine Value:
0463 system service return codes
0464
0465 Signals:
0466 none
0467
0468 Side Effects:
0469 none
0470
0471 --
0472 LOCAL
0473 IHI : REF BLOCK[,BYTE], ! image ID part of image header
0474 IHP : REF BLOCK[,BYTE], ! patch info part of image header
0475 RETSTATUS;
0476
0477 DISPLAY_FIELD ();
0478 P 0478 2 DISPLAY_FIELD ( STRING = ' R0 = !XL R1 = !XL R2 = !XL R3 = !XL',
0479 FIELD1 = .MISC[IMGDMP$L_R0],
0480 FIELD2 = .MISC[IMGDMP$L_R1],
0481 FIELD3 = .MISC[IMGDMP$L_R2],
0482 FIELD4 = .MISC[IMGDMP$L_R3] );
0483 P 0483 2 DISPLAY_FIELD ( STRING = ' R4 = !XL R5 = !XL R6 = !XL R7 = !XL',
0484 FIELD1 = .MISC[IMGDMP$L_R4],
0485 FIELD2 = .MISC[IMGDMP$L_R5],
0486 FIELD3 = .MISC[IMGDMP$L_R6],
0487 FIELD4 = .MISC[IMGDMP$L_R7] );
0488 P 0488 2 DISPLAY_FIELD ( STRING = ' R8 = !XL R9 = !XL R10 = !XL R11 = !XL',
0489 FIELD1 = .MISC[IMGDMP$L_R8],
0490 FIELD2 = .MISC[IMGDMP$L_R9],
0491 FIELD3 = .MISC[IMGDMP$L_R10],
0492 FIELD4 = .MISC[IMGDMP$L_R11] );
```

```
372 P 0493 2 DISPLAY_FIELD ( STRING = ' SP = !XL      AP = !XL      FP = !XL',
373 P 0494 2 FIELD1 = .MISC[IMGDMP$SP],
374 P 0495 2 FIELD2 = .MISC[IMGDMP$AP],
375 0496 2 FIELD3 = .MISC[IMGDMP$FP] );
376 P 0497 2 DISPLAY_FIELD ( );
377 P 0498 2 DISPLAY_FIELD ( STRING = ' FREE PO VA !XL      FREE_P1_VA !XL',
378 P 0499 2 FIELD1 = .MISC[IMGDMP$FREE_PO],
379 0500 2 FIELD2 = .MISC[IMGDMP$FREE_P1] );
380 P 0501 2 DISPLAY_FIELD ( STRING = ' Active ASTs !XB      Enabled ASTs !XB',
381 P 0502 2 FIELD1 = .MISC[IMGDMP$ASTACT],
382 0503 2 FIELD2 = .MISC[IMGDMP$ASTEN] );
383 P 0504 2 DISPLAY_FIELD ( STRING = ' Current Privileges !XL !XL',
384 P 0505 2 FIELD1 = .(MISC[IMGDMP$Q_CURPRIV]+4),
385 0506 2 FIELD2 = .(MISC[IMGDMP$Q_CURPRIV]) );
386 P 0507 2 DISPLAY_FIELD ( STRING = ' Event Flags !XL !XL',
387 P 0508 2 FIELD1 = .MISC[IMGDMP$EFCU],
388 0509 2 FIELD2 = .MISC[IMGDMP$EFCU] );
389 P 0510 2 DISPLAY_FIELD ( STRING = ' Buffered I/O count/limit !ZL/!ZL',
390 P 0511 2 FIELD1 = .MISC[IMGDMP$BIOCNT],
391 0512 2 FIELD2 = .MISC[IMGDMP$BIOLM] );
392 P 0513 2 DISPLAY_FIELD ( STRING = ' Direct I/O count/limit !ZL/!ZL',
393 P 0514 2 FIELD1 = .MISC[IMGDMP$DIOCNT],
394 0515 2 FIELD2 = .MISC[IMGDMP$DIOLM] );
395 P 0516 2 DISPLAY_FIELD ( STRING = ' File count/limit !ZL/!ZL',
396 P 0517 2 FIELD1 = .MISC[IMGDMP$FILCNT],
397 0518 2 FIELD2 = .MISC[IMGDMP$FILLM] );
398 P 0519 2 DISPLAY_FIELD ( STRING = ' Process count/limit !ZL/!ZL',
399 P 0520 2 FIELD1 = .MISC[IMGDMP$PRCCNT],
400 0521 2 FIELD2 = .MISC[IMGDMP$PRCLM] );
401 P 0522 2 DISPLAY_FIELD ( STRING = ' Timer queue count/limit !ZL/!ZL',
402 P 0523 2 FIELD1 = .MISC[IMGDMP$TQCNT],
403 0524 2 FIELD2 = .MISC[IMGDMP$TQLM] );
404 P 0525 2 DISPLAY_FIELD ( STRING = ' AST count/limit !ZL/!ZL',
405 P 0526 2 FIELD1 = .MISC[IMGDMP$ASTCNT],
406 0527 2 FIELD2 = .MISC[IMGDMP$ASTLM] );
407 P 0528 2 DISPLAY_FIELD ( STRING = ' Enqueue count/limit !ZL/!ZL',
408 P 0529 2 FIELD1 = .MISC[IMGDMP$ENQCNT],
409 0530 2 FIELD2 = .MISC[IMGDMP$ENQLM] );
410 P 0531 2 DISPLAY_FIELD ( STRING = ' Buffered I/O total !ZL      Direct I/O total !ZL',
411 P 0532 2 FIELD1 = .MISC[IMGDMP$BUFIO],
412 0533 2 FIELD2 = .MISC[IMGDMP$DIRIO] );
413 0534 2 DISPLAY_FIELD ( );
414 0535 2 IHI = IMGHDR + .IMGHDR[IHDSW_IMGIDOFF];
415 P 0536 2 DISPLAY_FIELD ( STRING = ' Link Date !XD',
416 0537 2 FIELD1 = IHI[IHISQ_LINKTIME]);
417 0538 2 IF .IMGHDR[IHDSW_PATCHOFF] NEQ 0
418 0539 2 THEN
419 0540 2 BEGIN
420 0541 2 IHP = IMGHDR + .IMGHDR[IHDSW_PATCHOFF];
421 P 0542 2 ADD_FIELD ( STRING = ' Patch Date !XD',
422 0543 2 FIELD1 = IHP[IHPSQ_PATDATE] );
423 P 0544 2 DISPLAY_FIELD ( STRING = ' ECO Level !XL !XL !XL !XL',
424 P 0545 2 FIELD1 = .IHP[IHPSL_ECO1],
425 P 0546 2 FIELD2 = .IHP[IHPSL_ECO2],
426 P 0547 2 FIELD3 = .IHP[IHPSL_ECO3],
427 0548 2 FIELD4 = .IHP[IHPSL_ECO4] );
428 0549 2 END;
```



```
: 429
: 430
: 431
0550 2
0551 2 RETURN SSS_NORMAL;
0552 1 END;
```

```
.PSECT $SPLITS, NOWRT, NOEXE, 2

00 00 0A 0D 00080 P.AAP: .ASCII <13><10><0><0>
010E0002 00084 P.AAO: .LONG 17694722
00000000 00088 .ADDRESS P.AAP
20 31 52 09 4C 58 21 20 3D 20 30 52 20 0A 0D 0008C P.AAR: .ASCII <13><10>\ R0 = !XL\<9>\R1 = !XL\<9>
09 4C 58 21 20 3D 0009B
21 20 3D 20 33 52 09 4C 58 21 20 3D 20 32 52 000A1 .ASCII \R2 = !XL\<9>\R3 = !XL\<0><0>
00 00 4C 58 000B0
010E0026 000B4 P.AAQ: .LONG 17694758
00000000 000B8 .ADDRESS P.AAR
20 35 52 09 4C 58 21 20 3D 20 34 52 20 0A 0D 000BC P.AAT: .ASCII <13><10>\ R4 = !XL\<9>\R5 = !XL\<9>
09 4C 58 21 20 3D 000CB
21 20 3D 20 37 52 09 4C 58 21 20 3D 20 36 52 000D1 .ASCII \R6 = !XL\<9>\R7 = !XL\<0><0>
00 00 4C 58 000E0
010E0026 000E4 P.AAS: .LONG 17694758
00000000 000E8 .ADDRESS P.AAT
20 39 52 09 4C 58 21 20 3D 20 38 52 20 0A 0D 000EC P.AAV: .ASCII <13><10>\ R8 = !XL\<9>\R9 = !XL\<9>
09 4C 58 21 20 3D 000FB
3D 20 31 31 52 09 4C 58 21 20 3D 20 30 31 52 00101 .ASCII \R10 = !XL\<9>\R11 = !XL\
4C 58 21 20 00110
010E0028 00114 P.AAU: .LONG 17694760
00000000 00118 .ADDRESS P.AAV
20 50 41 09 4C 58 21 20 3D 20 50 53 20 0A 0D 0011C P.AAX: .ASCII <13><10>\ SP = !XL\<9>\AP = !XL\<9>
09 4C 58 21 20 3D 0012B
00 00 4C 58 21 20 3D 20 20 50 46 00131 .ASCII \FP = !XL\<0><0>
010E001E 0013C P.AAW: .LONG 17694750
00000000 00140 .ADDRESS P.AAX
00 00 0A 0D 00144 P.AAZ: .ASCII <13><10><0><0>
010E0002 00148 P.AAY: .LONG 17694722
00000000 0014C .ADDRESS P.AAZ
20 20 41 56 5F 30 50 5F 45 45 52 46 20 0A 0D 00150 P.ABB: .ASCII <13><10>\ FREE_P0_VA !XL\<9><9>
09 09 4C 58 21 0015F
4C 58 21 20 20 41 56 5F 31 50 5F 45 45 52 46 00164 .ASCII \FREE_P1_VA !XL\<0>
00 00173
010E0023 00174 P.ABA: .LONG 17694755
00000000 00178 .ADDRESS P.ABB
20 73 54 53 41 20 65 76 69 74 63 41 20 0A 0D 0017C P.ABD: .ASCII <13><10>\ Active ASTs !XB\<9><9>
09 09 42 58 21 20 0018B
58 21 20 73 54 53 41 20 64 65 6C 62 61 6E 45 00191 .ASCII \Enabled ASTs !XB\<0><0><0>
00 00 00 42 001A0
010E0025 001A4 P.ABC: .LONG 17694757
00000000 001A8 .ADDRESS P.ABD
76 69 72 50 20 74 6E 65 72 72 75 43 20 0A 0D 001AC P.ABF: .ASCII <13><10>\ Current Privileges !XL !X\
58 21 20 20 4C 58 21 20 20 73 65 67 65 6C 69 001BB
00 4C 001CA .ASCII \L\<0>
010E001F 001CC P.ABE: .LONG 17694751
00000000 001D0 .ADDRESS P.ABF
20 73 67 61 6C 46 20 74 6E 65 76 45 20 0A 0D 001D4 P.ABH: .ASCII <13><10>\ Event Flags !XL !XL\
4C 58 21 20 20 4C 58 21 20 001E3
010E0018 001EC P.ABG: .LONG 17694744
```

```
00000000' 001F0 .ADDRESS P.ABH
4F 2F 49 20 64 65 72 65 66 66 75 42 20 0A 0D 001F4 P.ABJ: .ASCII <13><10>\ Buffered I/O count/limit !Z\
5A 21 20 74 69 6D 69 6C 2F 74 6E 75 6F 63 20 00203
0C 4C 5A 21 2F 4C 00212 .ASCII \L/!ZL\<0>
010E0023' 00218 P.ABI: .LONG 17694755
00000000' 0021C .ADDRESS P.ABJ
63 20 4F 2F 49 20 74 63 65 72 69 44 20 0A 0D 00220 P.ABL: .ASCII <13><10>\ Direct I/O count/limit !Z\
5A 21 20 20 20 74 69 6D 69 6C 2F 74 6E 75 6F 0022F
00 4C 5A 21 2F 4C 0023E .ASCII \L/!ZL\<0>
010E0023' 00244 P.ABK: .LONG 17694755
00000000' 00248 .ADDRESS P.ABL
6C 2F 74 6E 75 6F 63 20 65 6C 69 46 20 0A 0D 0024C P.ABN: .ASCII <13><10>\ File count/limit !Z\
5A 21 20 20 20 20 20 20 20 20 20 74 69 6D 69 0025B
00 4C 5A 21 2F 4C 0026A .ASCII \L/!ZL\<0>
010E0023' 00270 P.ABM: .LONG 17694755
00000000' 00274 .ADDRESS P.ABN
6E 75 6F 63 20 73 73 65 63 6F 72 50 20 0A 0D 00278 P.ABP: .ASCII <13><10>\ Process count/limit !Z\
5A 21 20 20 20 20 20 20 74 69 6D 69 6C 2F 74 00287
00 4C 5A 21 2F 4C 00296 .ASCII \L/!ZL\<0>
010E0023' 0029C P.ABO: .LONG 17694755
00000000' 002A0 .ADDRESS P.ABP
20 65 75 65 75 71 20 72 65 6D 69 54 20 0A 0D 002A4 P.ABR: .ASCII <13><10>\ Timer queue count/limit !Z\
5A 21 20 20 74 69 6D 69 6C 2F 74 6E 75 6F 63 002B3
00 4C 5A 21 2F 4C 002C2 .ASCII \L/!ZL\<0>
010E0023' 002C8 P.ABQ: .LONG 17694755
00000000' 002CC .ADDRESS P.ABR
69 6C 2F 74 6E 75 6F 63 20 54 53 41 20 0A 0D 002D0 P.ABT: .ASCII <13><10>\ AST count/limit !Z\
5A 21 20 20 20 20 20 20 20 20 20 20 74 69 6D 002DF
00 4C 5A 21 2F 4C 002EE .ASCII \L/!ZL\<0>
010E0023' 002F4 P.ABS: .LONG 17694755
00000000' 002F8 .ADDRESS P.ABT
6E 75 6F 63 20 65 75 65 75 71 6E 45 20 0A 0D 002FC P.ABV: .ASCII <13><10>\ Enqueue count/limit !Z\
5A 21 20 20 20 20 20 20 74 69 6D 69 6C 2F 74 0030B
00 4C 5A 21 2F 4C 0031A .ASCII \L/!ZL\<0>
010E0023' 00320 P.ABU: .LONG 17694755
00000000' 00324 .ADDRESS P.ABV
4F 2F 49 20 64 65 72 65 66 66 75 42 20 0A 0D 00328 P.ABX: .ASCII <13><10>\ Buffered I/O total !ZL \<9>
09 20 20 20 20 4C 5A 21 20 6C 61 74 6F 74 20 00337
61 74 6F 74 20 4F 2F 49 20 74 63 65 72 69 44 00346
00 00 4C 5A 21 20 6C 00355 .ASCII \Direct I/O total !ZL\<0><0>
010E0032' 0035C P.ABW: .LONG 17694770
00000000' 00360 .ADDRESS P.ABX
00 00 0A 0D 00364 P.ABZ: .ASCII <13><10><0><0>
010E0002' 00368 P.ABY: .LONG 17694722
00000000' 0036C .ADDRESS P.ABZ
21 20 20 65 74 61 44 20 68 6E 69 4C 20 0A 0D 00370 P.ACB: .ASCII <13><10>\ Link Date !XD\<0><0><0>
00 00 00 44 25 0037F
010E0011' 00384 P.ACA: .LONG 17694737
00000000' 00388 .ADDRESS P.ACB
20 65 74 61 44 20 68 63 74 61 50 20 20 20 20 0038C P.ACD: .ASCII \ Patch Date !XD\<0>
00 44 25 21 20 0039B
010E0013' 003A0 P.ACC: .LONG 17694739
00000000' 003A4 .ADDRESS P.ACD
21 20 20 6C 65 76 65 4C 20 4F 43 45 20 0A 0D 003A8 P.ACF: .ASCII <13><10>\ ECO Level !XL !XL !XL !\
21 20 20 4C 58 21 20 20 4C 58 21 20 20 4C 58 003B7
4C 58 003C6 .ASCII \XL\
010E0020' 003C8 P.ACE: .LONG 17694752
```


00000000' 003CC

.ADDRESS P.ACF

.EXTRN SYSS\$FAO, SYSS\$PUT

.PSECT \$CODE\$,NOWRT,2

00FC 00000 DISPLAY_MISC:

					.WORD	Save R2,R3,R4,R5,R6,R7	0436
57	0000G	CF	9E	00002	MOVAB	IMGHDR, R7	
56	0000G	CF	9E	00007	MOVAB	MISC+8, R6	
55	00000000G	00	9E	0000C	MOVAB	SYSS\$PUT, R5	
54	00000000G	00	9E	00013	MOVAB	SYSS\$FAO, R4	
53	0000'	CF	9E	0001A	MOVAB	DSPLN, R3	
		7E	7C	0001F	CLRQ	-(SP)	0477
		7E	7C	00021	CLRQ	-(SP)	
	F8	A3	9F	00023	PUSHAB	DSPDESC	
		53	DD	00026	PUSHL	R3	
	0000'	CF	9F	00028	PUSHAB	P.AAO	
64		07	FB	0002C	CALLS	#7, SYSS\$FAO	
6C		50	E9	0002F	BLBC	RETSTATUS, 1\$	
FD28	C3	FDF8	C3	9E	00032	MOVAB	DSPBUF, OUTRAB+40
FD22	C3		63	B0	00039	MOVW	DSPLN, OUTRAB+34
		FDF8	C3	9F	0003E	PUSHAB	OUTRAB
65			01	FB	00042	CALLS	#1, SYSS\$PUT
6D			50	E9	00045	BLBC	RETSTATUS, 2\$
7E			66	7D	00048	MOVQ	MISC+8, -(SP)
7E	F8	A6	7D	0004B	MOVQ	MISC, -(SP)	0482
	F8	A3	9F	0004F	PUSHAB	DSPDESC	
		53	DD	00052	PUSHL	R3	
	0000'	CF	9F	00054	PUSHAB	P.AAQ	
64		07	FB	00058	CALLS	#7, SYSS\$FAO	
6D		50	E9	0005B	BLBC	RETSTATUS, 3\$	
FD28	C3	FDF8	C3	9E	0005E	MOVAB	DSPBUF, OUTRAB+40
FD22	C3		63	B0	00065	MOVW	DSPLN, OUTRAB+34
		FDF8	C3	9F	0006A	PUSHAB	OUTRAB
65			01	FB	0006E	CALLS	#1, SYSS\$PUT
6F			50	E9	00071	BLBC	RETSTATUS, 4\$
7E	10	A6	7D	00074	MOVQ	MISC+24, -(SP)	0487
7E	08	A6	7D	00078	MOVQ	MISC+16, -(SP)	
	F8	A3	9F	0007C	PUSHAB	DSPDESC	
		53	DD	0007F	PUSHL	R3	
	0000'	CF	9F	00081	PUSHAB	P.AAS	
64		07	FB	00085	CALLS	#7, SYSS\$FAO	
6E		50	E9	00088	BLBC	RETSTATUS, 5\$	
FD28	C3	FDF8	C3	9E	0008B	MOVAB	DSPBUF, OUTRAB+40
FD22	C3		63	B0	00092	MOVW	DSPLN, OUTRAB+34
		FDF8	C3	9F	00097	PUSHAB	OUTRAB
65			01	FB	0009B	CALLS	#1, SYSS\$PUT
6B			50	E9	0009E	BLBC	RETSTATUS, 6\$
7E	20	A6	7D	000A1	MOVQ	MISC+40, -(SP)	0492
7E	18	A6	7D	000A5	MOVQ	MISC+32, -(SP)	
	F8	A3	9F	000A9	PUSHAB	DSPDESC	
		53	DD	000AC	PUSHL	R3	
	0000'	CF	9F	000AE	PUSHAB	P.AAU	
64		07	FB	000B2	CALLS	#7, SYSS\$FAO	
7F		50	E9	000B5	BLBC	RETSTATUS, 7\$	
FD28	C3	FDF8	C3	9E	000B8	MOVAB	DSPBUF, OUTRAB+40

FD22	C3	FD00	63	B0	000BF	MOVW	DSPLEN, OUTRAB+34	
	65		C3	9F	000C4	PUSHAB	OUTRAB	
	7F		01	FB	000C8	CALLS	#1, SYSS\$PUT	
			50	E9	000CB	BLBC	RETSTATUS, 8\$	
	7E		7E	D4	000CE	CLRL	-(SP)	0496
		2C	A6	7D	000D0	MOVQ	MISC+52, -(SP)	
		28	A6	DD	000D4	PUSHL	MISC+48	
		F8	A3	9F	000D7	PUSHAB	DSPDESC	
			53	DD	000DA	PUSHL	R3	
		0000'	CF	9F	000DC	PUSHAB	P.AAW	
	64		07	FB	000E0	CALLS	#7, SYSS\$FAO	
FD28	7C	FDF8	50	E9	000E3	BLBC	RETSTATUS, 9\$	
FD22	C3		C3	9E	000E6	MOVAB	DSPBUF, OUTRAB+40	
			63	B0	000ED	MOVW	DSPLEN, OUTRAB+34	
	65	FD00	C3	9F	000F2	PUSHAB	OUTRAB	
	7C		01	FB	000F6	CALLS	#1, SYSS\$PUT	
			50	E9	000F9	BLBC	RETSTATUS, 10\$	
			7E	7C	000FC	CLRL	-(SP)	0497
			7E	7C	000FE	CLRL	-(SP)	
		F8	A3	9F	00100	PUSHAB	DSPDESC	
			53	DD	00103	PUSHL	R3	
		0000'	CF	9F	00105	PUSHAB	P.AAY	
	64		07	FB	00109	CALLS	#7, SYSS\$FAO	
FD28	69	FDF8	50	E9	0010C	BLBC	RETSTATUS, 10\$	
FD22	C3		C3	9E	0010F	MOVAB	DSPBUF, OUTRAB+40	
			63	B0	00116	MOVW	DSPLEN, OUTRAB+34	
	65	FD00	C3	9F	0011B	PUSHAB	OUTRAB	
	6A		01	FB	0011F	CALLS	#1, SYSS\$PUT	
			50	E9	00122	BLBC	RETSTATUS, 11\$	
	7E		7E	7C	00125	CLRL	-(SP)	0500
		40	A6	7D	00127	MOVQ	MISC+72, -(SP)	
		F8	A3	9F	0012B	PUSHAB	DSPDESC	
			53	DD	0012E	PUSHL	R3	
		0000'	CF	9F	00130	PUSHAB	P.ABA	
	64		07	FB	00134	CALLS	#7, SYSS\$FAO	
FD28	6B	FDF8	50	E9	00137	BLBC	RETSTATUS, 12\$	
FD22	C3		C3	9E	0013A	MOVAB	DSPBUF, OUTRAB+40	
			63	B0	00141	MOVW	DSPLEN, OUTRAB+34	
	65	FD00	C3	9F	00146	PUSHAB	OUTRAB	
	6C		01	FB	0014A	CALLS	#1, SYSS\$PUT	
			50	E9	0014D	BLBC	RETSTATUS, 13\$	
	7E		7E	7C	00150	CLRL	-(SP)	0503
		48	A6	7D	00152	MOVQ	MISC+80, -(SP)	
		F8	A3	9F	00156	PUSHAB	DSPDESC	
			53	DD	00159	PUSHL	R3	
		0000'	CF	9F	0015B	PUSHAB	P.ABC	
	64		07	FB	0015F	CALLS	#7, SYSS\$FAO	
FD28	6D	FDF8	50	E9	00162	BLBC	RETSTATUS, 14\$	
FD22	C3		C3	9E	00165	MOVAB	DSPBUF, OUTRAB+40	
			63	B0	0016C	MOVW	DSPLEN, OUTRAB+34	
	65	FD00	C3	9F	00171	PUSHAB	OUTRAB	
	6C		01	FB	00175	CALLS	#1, SYSS\$PUT	
			50	E9	00178	BLBC	RETSTATUS, 15\$	
			7E	7C	0017B	CLRL	-(SP)	0506
		50	A6	DD	0017D	PUSHL	MISC+88	
		54	A6	DD	00180	PUSHL	MISC+92	
		F8	A3	9F	00183	PUSHAB	DSPDESC	

		0000'	53 DD 00186	PUSHL R3	
			CF 9F 00188	PUSHAB P.ABE	
	64		07 FB 0018C	CALLS #7, SYSSFA0	
FD28	6B		50 E9 0018F 11\$:	BLBC RETSTATUS, 16\$	
	C3	FDF8	C3 9E 00192	MOVAB DSPBUF, OUTRAB+40	
FD22	C3		63 B0 00199	MOVW DSPLN, OUTRAB+34	
		F000	C3 9F 0019E	PUSHAB OUTRAB	
	65		01 FB 001A2	CALLS #1, SYSSPUT	
	6A		50 E9 001A5 12\$:	BLBC RETSTATUS, 17\$	
			7E 7C 001A8	CLRQ -(SP)	
	58		A6 DD 001AA	PUSHL MISC+96	
	5C		A6 DD 001AD	PUSHL MISC+100	
	F8		A3 9F 001B0	PUSHAB DSPDESC	
			53 DD 001B3	PUSHL R3	
		0000'	CF 9F 001B5	PUSHAB P.ABG	
	64		07 FB 001B9	CALLS #7, SYSSFA0	
FD28	7F		50 E9 001BC 13\$:	BLBC RETSTATUS, 18\$	
	C3	FDF8	C3 9E 001BF	MOVAB DSPBUF, OUTRAB+40	
FD22	C3		63 B0 001C6	MOVW DSPLN, OUTRAB+34	
		F000	C3 9F 001CB	PUSHAB OUTRAB	
	65		01 FB 001CF	CALLS #1, SYSSPUT	
	7F		50 E9 001D2 14\$:	BLBC RETSTATUS, 19\$	
			7E 7C 001D5	CLRQ -(SP)	
	7E	60	A6 7D 001D7	MOVQ MISC+104, -(SP)	
		F8	A3 9F 001DB	PUSHAB DSPDESC	
			53 DD 001DE	PUSHL R3	
		0000'	CF 9F 001E0	PUSHAB P.ABI	
	64		07 FB 001E4	CALLS #7, SYSSFA0	
FD28	6A		50 E9 001E7 15\$:	BLBC RETSTATUS, 19\$	
	C3	FDF8	C3 9E 001EA	MOVAB DSPBUF, OUTRAB+40	
FD22	C3		63 B0 001F1	MOVW DSPLN, OUTRAB+34	
		F000	C3 9F 001F6	PUSHAB OUTRAB	
	65		01 FB 001FA	CALLS #1, SYSSPUT	
	6A		50 E9 001FD 16\$:	BLBC RETSTATUS, 20\$	
			7E 7C 00200	CLRQ -(SP)	
	7E	74	A6 7D 00202	MOVQ MISC+124, -(SP)	
		F8	A3 9F 00206	PUSHAB DSPDESC	
			53 DD 00209	PUSHL R3	
		0000'	CF 9F 0020B	PUSHAB P.ABK	
	64		07 FB 0020F	CALLS #7, SYSSFA0	
FD28	6B		50 E9 00212 17\$:	BLBC RETSTATUS, 21\$	
	C3	FDF8	C3 9E 00215	MOVAB DSPBUF, OUTRAB+40	
FD22	C3		63 B0 0021C	MOVW DSPLN, OUTRAB+34	
		F000	C3 9F 00221	PUSHAB OUTRAB	
	65		01 FB 00225	CALLS #1, SYSSPUT	
	6B		50 E9 00228	BLBC RETSTATUS, 22\$	
			7E 7C 0022B	CLRQ -(SP)	
	7E	0080	C6 7D 0022D	MOVQ MISC+136, -(SP)	
		F8	A3 9F 00232	PUSHAB DSPDESC	
			53 DD 00235	PUSHL R3	
		0000'	CF 9F 00237	PUSHAB P.ABM	
	64		07 FB 0023B	CALLS #7, SYSSFA0	
FD28	6B		50 E9 0023E 18\$:	BLBC RETSTATUS, 23\$	
	C3	FDF8	C3 9E 00241	MOVAB DSPBUF, OUTRAB+40	
FD22	C3		63 B0 00248	MOVW DSPLN, OUTRAB+34	
		F000	C3 9F 0024D	PUSHAB OUTRAB	
	65		01 FB 00251	CALLS #1, SYSSPUT	

0509

0512

0515

0518

6B		50	E9	00254	19\$:	BLBC	RETSTATUS, 24\$	
		7E	7C	00257		CLRQ	-(SP)	0521
7E	0088	C6	7D	00259		MOVQ	MISC+144, -(SP)	
	F8	A3	9F	0025E		PUSHAB	DSPDESC	
		53	DD	00261		PUSHL	R3	
	0000'	CF	9F	00263		PUSHAB	P.ABO	
64		07	FB	00267		CALLS	#7, SYSSFAO	
6B		50	E9	0026A	20\$:	BLBC	RETSTATUS, 25\$	
FD28	C3	FDF8	C3	9E	0026D	MOVAB	DSPBUF, OUTRAB+40	
FD22	C3		63	B0	00274	MOVW	DSPLN, OUTRAB+34	
		FD00	C3	9F	00279	PUSHAB	OUTRAB	
65		01	FB	0027D		CALLS	#1, SYSSPUT	
6B		50	E9	00280	21\$:	BLBC	RETSTATUS, 26\$	
		7E	7C	00283		CLRQ	-(SP)	0524
7E	0090	C6	7D	00285		MOVQ	MISC+152, -(SP)	
	F8	A3	9F	0028A		PUSHAB	DSPDESC	
		53	DD	0028D		PUSHL	R3	
	0000'	CF	9F	0028F		PUSHAB	P.ABO	
64		07	FB	00293		CALLS	#7, SYSSFAO	
6B		50	E9	00296	22\$:	BLBC	RETSTATUS, 27\$	
FD28	C3	FDF8	C3	9E	00299	MOVAB	DSPBUF, OUTRAB+40	
FD22	C3		63	B0	002A0	MOVW	DSPLN, OUTRAB+34	
		FD00	C3	9F	002A5	PUSHAB	OUTRAB	
65		01	FB	002A9		CALLS	#1, SYSSPUT	
6C		50	E9	002AC	23\$:	BLBC	RETSTATUS, 28\$	
		7E	7C	002AF		CLRQ	-(SP)	0527
7E	0098	C6	7D	002B1		MOVQ	MISC+160, -(SP)	
	F8	A3	9F	002B6		PUSHAB	DSPDESC	
		53	DD	002B9		PUSHL	R3	
	0000'	CF	9F	002BB		PUSHAB	P.ABS	
64		07	FB	002BF		CALLS	#7, SYSSFAO	
7F		50	E9	002C2	24\$:	BLBC	RETSTATUS, 29\$	
FD28	C3	FDF8	C3	9E	002C5	MOVAB	DSPBUF, OUTRAB+40	
FD22	C3		63	B0	002CC	MOVW	DSPLN, OUTRAB+34	
		FD00	C3	9F	002D1	PUSHAB	OUTRAB	
65		01	FB	002D5		CALLS	#1, SYSSPUT	
7F		50	E9	002D8	25\$:	BLBC	RETSTATUS, 30\$	
		7E	7C	002DB		CLRQ	-(SP)	0530
7E	00A0	C6	7D	002DD		MOVQ	MISC+168, -(SP)	
	F8	A3	9F	002E2		PUSHAB	DSPDESC	
		53	DD	002E5		PUSHL	R3	
	0000'	CF	9F	002E7		PUSHAB	P.ABU	
64		07	FB	002EB		CALLS	#7, SYSSFAO	
69		50	E9	002EE	26\$:	BLBC	RETSTATUS, 30\$	
FD28	C3	FDF8	C3	9E	002F1	MOVAB	DSPBUF, OUTRAB+40	
FD22	C3		63	B0	002F8	MOVW	DSPLN, OUTRAB+34	
		FD00	C3	9F	002FD	PUSHAB	OUTRAB	
65		01	FB	00301		CALLS	#1, SYSSPUT	
73		50	E9	00304	27\$:	BLBC	RETSTATUS, 31\$	
		7E	7C	00307		CLRQ	-(SP)	0533
		7C	A6	DD	00309	PUSHL	MISC+132	
		68	A6	DD	0030C	PUSHL	MISC+112	
		F8	A3	9F	0030F	PUSHAB	DSPDESC	
			53	DD	00312	PUSHL	R3	
	0000'	CF	9F	00314		PUSHAB	P.ABW	
64		07	FB	00318		CALLS	#7, SYSSFAO	
72		50	E9	0031B	28\$:	BLBC	RETSTATUS, 32\$	

FD28	C3	FDF8	C3	9E	0031E	MOVAB	DSPBUF, OUTRAB+40	
FD22	C3		63	B0	00325	MOVW	DSPLEN, OUTRAB+34	
		FDF8	C3	9F	0032A	PUSHAB	OUTRAB	
	65		01	FB	0032E	CALLS	#1, SYSSPUT	
	7A		50	E9	00331	BLBC	RETSTATUS, 33\$	
			7E	7C	00334	CLRQ	-(SP)	0534
			7E	7C	00336	CLRQ	-(SP)	
		F8	A3	9F	00338	PUSHAB	DSPDESC	
			53	DD	0033B	PUSHL	R3	
		0000'	CF	9F	0033D	PUSHAB	P.ABY	
	64		07	FB	00341	CALLS	#7, SYSSFAO	
	7D		50	E9	00344	BLBC	RETSTATUS, 34\$	
FD28	C3	FDF8	C3	9E	00347	MOVAB	DSPBUF, OUTRAB+40	
FD22	C3		63	B0	0034E	MOVW	DSPLEN, OUTRAB+34	
		FDF8	C3	9F	00353	PUSHAB	OUTRAB	
	65		01	FB	00357	CALLS	#1, SYSSPUT	
	7D		50	E9	0035A	BLBC	RETSTATUS, 35\$	
	51		67	9E	0035D	MOVAB	IMGHDR, R1	0535
	52	06	A7	3C	00360	MOVZWL	IMGHDR+6, R2	
	51		52	C0	00364	ADDL2	R2, IHI	
			7E	7C	00367	CLRQ	-(SP)	0537
			7E	D4	00369	CLRL	-(SP)	
		38	A1	9F	0036B	PUSHAB	56(IHI)	
		F8	A3	9F	0036E	PUSHAB	DSPDESC	
			53	DD	00371	PUSHL	R3	
		0000'	CF	9F	00373	PUSHAB	P.ACA	
	64		07	FB	00377	CALLS	#7, SYSSFAO	
	79		50	E9	0037A	BLBC	RETSTATUS, 37\$	
FD28	C3	FDF8	C3	9E	0037D	MOVAB	DSPBUF, OUTRAB+40	
FD22	C3		63	B0	00384	MOVW	DSPLEN, OUTRAB+34	
		FDF8	C3	9F	00389	PUSHAB	OUTRAB	
	65		01	FB	0038D	CALLS	#1, SYSSPUT	
	63		50	E9	00390	BLBC	RETSTATUS, 37\$	
	51	08	A7	3C	00393	MOVZWL	IMGHDR+8, R1	0538
			5A	13	00397	BEQL	36\$	
52			57	C1	00399	ADDL3	R7, R1, IHP	0541
	51		7E	7C	0039D	CLRQ	-(SP)	0543
		24	A2	9F	0039F	PUSHAB	36(IHP)	
		F8	A3	9F	003A2	PUSHAB	DSPDESC	
			53	DD	003A5	PUSHL	R3	
		0000'	CF	9F	003A7	PUSHAB	P.ACC	
	64		06	FB	003AB	CALLS	#6, SYSSFAO	
	45		50	E9	003AE	BLBC	RETSTATUS, 37\$	
FD28	C3	FDF8	C3	9E	003B1	MOVAB	DSPBUF, OUTRAB+40	
FD22	C3		63	B0	003B8	MOVW	DSPLEN, OUTRAB+34	
		FDF8	C3	9F	003BD	PUSHAB	OUTRAB	
	65		01	FB	003C1	CALLS	#1, SYSSPUT	
	2F		50	E9	003C4	BLBC	RETSTATUS, 37\$	
	7E	08	A2	7D	003C7	MOVQ	8(IHP), -(SP)	0548
	7E		62	7D	003CB	MOVQ	(IHP), -(SP)	
		F8	A3	9F	003CE	PUSHAB	DSPDESC	
			53	DD	003D1	PUSHL	R3	
		0000'	CF	9F	003D3	PUSHAB	P.ACE	
	64		07	FB	003D7	CALLS	#7, SYSSFAO	
	19		50	E9	003DA	BLBC	RETSTATUS, 37\$	
FD28	C3	FDF8	C3	9E	003DD	MOVAB	DSPBUF, OUTRAB+40	
FD22	C3		63	B0	003E4	MOVW	DSPLEN, OUTRAB+34	

DISPIMDMP
V04-000

Display image dump data

F 11
16-Sep-1984 01:42:19
14-Sep-1984 12:35:01

VAX-11 Bliss-32 V4.0-742
[IMGDMP.SRC]DISPIMDMP.B32;1

Page 22
(5)

65	FD00	C3	9F	003E9	PUSHAB	OUTRAB	:
03		01	FB	003ED	CALLS	#1, SYSSPUT	:
50		50	E9	003F0	BLBC	RETSTATUS, 37\$	:
50		01	D0	003F3	MOVL	#1, R0	:
		04	003F6	37\$:	RET		:

0551
0552

; Routine Size: 1015 bytes, Routine Base: \$CODE\$ + 00DF

; 432 0553 1


```

434 0554 1 ROUTINE DISPLAY_RELOC =
435 0555 2 BEGIN
436 0556 2
437 0557 2 ++
438 0558 2
439 0559 2 Functional Description:
440 0560 2 This routine display relocation data
441 0561 2
442 0562 2 Calling Sequence:
443 0563 2 standard
444 0564 2
445 0565 2 Input Parameters:
446 0566 2 none
447 0567 2
448 0568 2 Implicit Inputs:
449 0569 2 misc data block
450 0570 2
451 0571 2 Output Parameters:
452 0572 2 none
453 0573 2
454 0574 2 Implicit Outputs:
455 0575 2 none
456 0576 2
457 0577 2 Routines Called:
458 0578 2 none
459 0579 2
460 0580 2 Routine Value:
461 0581 2 system service codes
462 0582 2
463 0583 2 Signals:
464 0584 2 none
465 0585 2
466 0586 2 Side Effects:
467 0587 2 none
468 0588 2
469 0589 2 --
470 0590 2
471 0591 2 LOCAL
472 0592 2 RETSTATUS;
473 0593 2
474 0594 2 DISPLAY_FIELD ();
475 P 0595 2 DISPLAY_FIELD ( STRING = ' Kernel stack !XL pages at !XL moved to !XL',
476 P 0596 2 FIELD1 = .MISC[IMGDMP$KSTK_SIZ],
477 P 0597 2 FIELD2 = .MISC[IMGDMP$KSTK-VA],
478 0598 2 FIELD3 = .MISC_VA[IMGMOV$L_KSTK] );
479 P 0599 2 DISPLAY_FIELD ( STRING = ' Exec stack !XL pages at !XL moved to !XL',
480 P 0600 2 FIELD1 = .MISC[IMGDMP$ESTK_SIZ],
481 P 0601 2 FIELD2 = .MISC[IMGDMP$ESTK-VA],
482 0602 2 FIELD3 = .MISC_VA[IMGMOV$L_ESTK] );
483 P 0603 2 DISPLAY_FIELD ( STRING = ' Vector page !XL page at !XL moved to !XL',
484 P 0604 2 FIELD1 = .MISC[IMGDMP$VECPAG_SIZ],
485 P 0605 2 FIELD2 = .MISC[IMGDMP$VECPAG-VA],
486 0606 2 FIELD3 = .MISC_VA[IMGMOV$L_VECPAG] );
487 P 0607 2 DISPLAY_FIELD ( STRING = ' PIO (RMS) area !XL pages at !XL moved to !XL',
488 P 0608 2 FIELD1 = .MISC[IMGDMP$PIO_SIZ],
489 P 0609 2 FIELD2 = .MISC[IMGDMP$PIO-VA],
490 0610 2 FIELD3 = .MISC_VA[IMGMOV$L_PIO] );
```



```
: 491      P 0611 2 DISPLAY_FIELD ( STRING = ' Image activator context !XL page at !XL moved to !XL',
: 492      P 0612 2 FIELD1 = .MISC[IMGDMP$L-IMGCTX-SIZ],
: 493      P 0613 2 FIELD2 = .MISC[IMGDMP$L-IMGCTX-VA],
: 494      P 0614 2 FIELD3 = .MISC_VAL[IMGMOV$L-IMGCTX] );
: 495      P 0615 2 DISPLAY_FIELD ( STRING = ' User writeable context !XL pages at !XL moved to !XL',
: 496      P 0616 2 FIELD1 = .MISC[IMGDMP$L-USRCTX-SIZ],
: 497      P 0617 2 FIELD2 = .MISC[IMGDMP$L-USRCTX-VA],
: 498      P 0618 2 FIELD3 = .MISC_VAL[IMGMOV$L-USRCTX] );
: 499      P 0619 2
: 500      P 0620 2 RETURN SSS_NORMAL;
: 501      P 0621 1 END;
```

```
                                .PSECT $SPLITS,NOWRT,NOEXE,2
                                00 00 0A 0D 003D0 P.ACH: .ASCII <13><10><0><0>
                                010E0002 003D4 P.ACG: .LONG 17694722
                                00000000' 003D8 .ADDRESS P.ACH
6B 63 61 74 73 20 6C 65 6E 72 65 4B 20 0A 0D 003DC P.ACJ: .ASCII <13><10>\ Kernel stack !XL pages at !\
21 20 74 61 20 73 65 67 61 70 20 4C 58 21 20 003EB
4C 58 21 20 6F 74 20 64 65 76 6F 6D 20 4C 58 003FA .ASCII \XL moved to !XL<0><0><0>
                                00 00 00 00409
                                010E002D 0040C P.ACI: .LONG 17694765
                                00000000' 00410 .ADDRESS P.ACJ
21 20 6B 63 61 74 73 20 63 65 78 45 20 0A 0D 00414 P.ACL: .ASCII <13><10>\ Exec stack !XL pages at !XL\
4C 58 21 20 74 61 20 73 65 67 61 70 20 4C 58 00423
00 4C 58 21 20 6F 74 20 64 65 76 6F 6D 20 00432 .ASCII \ moved to !XL<0>
                                010E002B 00440 P.ACK: .LONG 17694763
                                00000000' 00444 .ADDRESS P.ACL
20 65 67 61 70 20 72 6F 74 63 65 56 20 0A 0D 00448 P.ACN: .ASCII <13><10>\ Vector page !XL page at !XL\
4C 58 21 20 74 61 20 65 67 61 70 20 4C 58 21 00457
00 4C 58 21 20 6F 74 20 64 65 76 6F 6D 20 00466 .ASCII \ moved to !XL<0>
                                010E002B 00474 P.ACM: .LONG 17694763
                                00000000' 00478 .ADDRESS P.ACN
72 61 20 29 53 4D 52 28 20 4F 49 50 20 0A 0D 0047C P.ACP: .ASCII <13><10>\ PIO (RMS) area !XL pages at\
74 61 20 73 65 67 61 70 20 4C 58 21 20 61 65 0048B
21 20 6F 74 20 64 65 76 6F 6D 20 4C 58 21 20 58 21 20 0049A .ASCII \ !XL moved to !XL<0>
                                00 4C 58 004A9
                                010E002F 004AC P.ACO: .LONG 17694767
                                00000000' 004B0 .ADDRESS P.ACP
61 76 69 74 63 61 20 65 67 61 6D 49 20 0A 0D 004B4 P.ACR: .ASCII <13><10>\ Image activator context !XL\
4C 58 21 20 74 78 65 74 6E 6F 63 20 72 6F 74 004C3
6F 6D 20 4C 58 21 20 74 61 20 65 67 61 70 20 61 70 20 004D2
00 4C 58 21 20 6F 74 20 64 65 76 64 65 76 004E1 .ASCII \ page at !XL moved to !XL<0>
                                010E0037 004EC P.ACQ: .LONG 17694775
                                00000000' 004F0 .ADDRESS P.ACR
62 61 65 74 69 72 77 20 72 65 73 55 20 0A 0D 004F4 P.ACT: .ASCII <13><10>\ User writeable context !XL \
20 4C 58 21 20 74 78 65 74 6E 6F 63 20 65 6C 00503
6F 6D 20 4C 58 21 20 74 61 20 73 65 67 61 70 00512 .ASCII \pages at !XL moved to !XL<0>
00 4C 58 21 20 6F 74 20 64 65 76 64 65 76 00521
                                010E0037 0052C P.ACS: .LONG 17694775
                                00000000' 00530 .ADDRESS P.ACT
```

```
.PSECT $CODE$,NOWRT,2
```



```
007C 00000 DISPLAY_RELOC:
      56 0000G CF 9E 00002 .WORD Save R2,R3,R4,R5,R6
      55 0000G CF 9E 00007 MOVAB MISC VA, R6
      54 00000000G 00 9E 0000C MOVAB MISC+180, R5
      53 00000000G 00 9E 00013 MOVAB SYSSPUT, R4
      52 0000' CF 9E 0001A MOVAB SYSSFAO, R3
      7E 7C 0001F MOVAB DSPLN, R2
      7E 7C 00021 CLRQ -(SP)
      F8 A2 9F 00023 CLRQ -(SP)
      52 DD 00026 PUSHAB DSPDESC
      0000' CF 9F 00028 PUSHL R2
      63 07 FB 0002C PUSHAB P.ACG
      71 50 E9 0002F CALLS #7, SYSSFAO
      FD28 C2 FDF8 C2 9E 00032 BLBC RETSTATUS, 1$
      FD22 C2 FD00 C2 9F 00039 MOVAB DSPBUF, OUTRAB+40
      64 01 FB 00042 MOVW DSPLN, OUTRAB+34
      75 50 E9 00045 PUSHAB OUTRAB
      7E D4 00048 CALLS #1, SYSSPUT
      66 DD 0004A BLBC RETSTATUS, 2$
      65 DD 0004C CLRL -(SP)
      04 A5 DD 0004E PUSHL MISC VA
      F8 A2 9F 00051 PUSHL MISC+180
      52 DD 00054 PUSHL MISC+184
      0000' CF 9F 00056 PUSHAB DSPDESC
      63 07 FB 0005A PUSHL R2
      73 50 E9 0005D PUSHAB P.ACI
      FD28 C2 FDF8 C2 9E 00060 CALLS #7, SYSSFAO
      FD22 C2 FD00 C2 9F 00067 BLBC RETSTATUS, 3$
      64 01 FB 00070 MOVAB DSPBUF, OUTRAB+40
      77 50 E9 00073 MOVW DSPLN, OUTRAB+34
      7E D4 00076 PUSHAB OUTRAB
      04 A6 DD 00078 CALLS #1, SYSSPUT
      0C A5 DD 0007B BLBC RETSTATUS, 4$
      10 A5 DD 0007E CLRL -(SP)
      F8 A2 9F 00081 PUSHL MISC VA+4
      52 DD 00084 PUSHL MISC+192
      0000' CF 9F 00086 PUSHL MISC+196
      63 07 FB 0008A PUSHAB DSPDESC
      73 50 E9 0008D PUSHL R2
      FD28 C2 FDF8 C2 9E 00090 PUSHAB P.ACK
      FD22 C2 FD00 C2 9F 00097 CALLS #7, SYSSFAO
      64 01 FB 000A0 BLBC RETSTATUS, 5$
      77 50 E9 000A3 MOVAB DSPBUF, OUTRAB+40
      7E D4 000A6 MOVW DSPLN, OUTRAB+34
      08 A6 DD 000AB PUSHAB OUTRAB
      18 A5 DD 000AB CALLS #1, SYSSPUT
      1C A5 DD 000AE BLBC RETSTATUS, 6$
      F8 A2 9F 000B1 CLRL -(SP)
      52 DD 000B4 PUSHL MISC VA+8
      0000' CF 9F 000B6 PUSHL MISC+204
      63 07 FB 000BA PUSHL MISC+208
      73 50 E9 000BD PUSHAB DSPDESC
      2$: BLBC RETSTATUS, 7$
```


FD28	C2	FDF8	C2	9E	000C0	MOVAB	DSPBUF, OUTRAB+40	
FD22	C2		62	B0	000C7	MOVW	DSPLN, OUTRAB+34	
		FDF8	C2	9F	000CC	PUSHAB	OUTRAB	
	64		01	FB	000D0	CALLS	#1, SYSSPUT	
	77		50	E9	000D3	BLBC	RETSTATUS, 8\$	
			7E	D4	000D6	CLRL	-(SP)	0610
		0C	A6	DD	000D8	PUSHL	MISC VA+12	
		24	A5	DD	000DB	PUSHL	MISC+216	
		28	A5	DD	000DE	PUSHL	MISC+220	
		F8	A2	9F	000E1	PUSHAB	DSPDESC	
			52	DD	000E4	PUSHL	R2	
		0000'	CF	9F	000E6	PUSHAB	P.ACO	
	63		07	FB	000EA	CALLS	#7, SYSSFAO	
FD28	79	FDF8	50	E9	000ED	BLBC	RETSTATUS, 9\$	
FD22	C2		C2	9E	000F0	MOVAB	DSPBUF, OUTRAB+40	
	C2		62	B0	000F7	MOVW	DSPLN, OUTRAB+34	
		FDF8	C2	9F	000FC	PUSHAB	OUTRAB	
	64		01	FB	00100	CALLS	#1, SYSSPUT	
	63		50	E9	00103	BLBC	RETSTATUS, 9\$	
			7E	D4	00106	CLRL	-(SP)	0614
		10	A6	DD	00108	PUSHL	MISC VA+16	
		30	A5	DD	0010B	PUSHL	MISC+228	
		34	A5	DD	0010E	PUSHL	MISC+232	
		F8	A2	9F	00111	PUSHAB	DSPDESC	
			52	DD	00114	PUSHL	R2	
		0000'	CF	9F	00116	PUSHAB	P.ACO	
	63		07	FB	0011A	CALLS	#7, SYSSFAO	
FD28	49	FDF8	50	E9	0011D	BLBC	RETSTATUS, 9\$	
FD22	C2		C2	9E	00120	MOVAB	DSPBUF, OUTRAB+40	
	C2		62	B0	00127	MOVW	DSPLN, OUTRAB+34	
		FDF8	C2	9F	0012C	PUSHAB	OUTRAB	
	64		01	FB	00130	CALLS	#1, SYSSPUT	
	33		50	E9	00133	BLBC	RETSTATUS, 9\$	
			7E	D4	00136	CLRL	-(SP)	0618
		14	A6	DD	00138	PUSHL	MISC VA+20	
		3C	A5	DD	0013B	PUSHL	MISC+240	
		40	A5	DD	0013E	PUSHL	MISC+244	
		F8	A2	9F	00141	PUSHAB	DSPDESC	
			52	DD	00144	PUSHL	R2	
		0000'	CF	9F	00146	PUSHAB	P.ACS	
	63		07	FB	0014A	CALLS	#7, SYSSFAO	
FD28	19	FDF8	50	E9	0014D	BLBC	RETSTATUS, 9\$	
FD22	C2		C2	9E	00150	MOVAB	DSPBUF, OUTRAB+40	
	C2		62	B0	00157	MOVW	DSPLN, OUTRAB+34	
		FDF8	C2	9F	0015C	PUSHAB	OUTRAB	
	64		01	FB	00160	CALLS	#1, SYSSPUT	
	03		50	E9	00163	BLBC	RETSTATUS, 9\$	
	50		01	D0	00166	MOVL	#1, R0	0620
			04	00169	9\$:	RET		0621

; Routine Size: 362 bytes, Routine Base: \$CODE\$ + 04D6

: 502 0622 1
: 503 0623 1 END
: 504 0624 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
\$SPLITS	1332	NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)
\$OWNS	856	NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPI,ALIGN(2)
\$CODES	1600	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]LIB.L32;1	18619	52	0	1000	00:01.9

COMMAND QUALIFIERS

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

; Size: 1600 code + 2188 data bytes
; Run Time: 00:40.4
; Elapsed Time: 01:22.4
; Lines/CPU Min: 926
; Lexemes/CPU-Min: 30644
; Memory Used: 394 pages
; Compilation Complete

0186 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

