


```

PPPPPPPP      AAAAAA      TTTTTTTTTT      EEEEEEEEEEE      RRRRRRRR      RRRRRRRR
PPPPPPPP      AAAAAA      TTTTTTTTTT      EEEEEEEEEEE      RRRRRRRR      RRRRRRRR
PP      PP      AA      AA      TT      EE      RR      RR      RR      RR
PP      PP      AA      AA      TT      EE      RR      RR      RR      RR
PP      PP      AA      AA      TT      EE      RR      RR      RR      RR
PP      PP      AA      AA      TT      EE      RR      RR      RR      RR
PPPPPPPP      AA      AA      TT      EE      RRRRRRRR      RRRRRRRR
PPPPPPPP      AA      AA      TT      EEEEEEEEE      RRRRRRRR      RRRRRRRR
PP      AAAAAAAAAA      TT      EE      RR      RR      RR      RR
PP      AAAAAAAAAA      TT      EE      RR      RR      RR      RR
PP      AA      AA      TT      EE      RR      RR      RR      RR
PP      AA      AA      TT      EE      RR      RR      RR      RR
PP      AA      AA      TT      EEEEEEEEEEE      RR      RR      RR      RR
PP      AA      AA      TT      EEEEEEEEE      RR      RR      RR      RR

```

```

LL      IIIIII      SSSSSSSS
LL      IIIIII      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
LLLLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLLLL      IIIIII      SSSSSSSS

```



```

1  L 0001 0 MODULE PATERR ( %IF %VARIANT EQL 1
2  0002 0     %THEN
3  0003 0         ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE,
4  0004 0         NONEXTERNAL = LONG_RELATIVE),
5  0005 0     %FI
6  0006 0     IDENT = 'V04-000'
7  0007 0     ) =
8  0008 1 BEGIN
9  0009 1
10 0010 1
11 0011 1 *****
12 0012 1 *
13 0013 1 *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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29 0029 1 *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
30 0030 1 *
31 0031 1 *
32 0032 1 *****
33 0033 1
34 0034 1 **
35 0035 1 FACILITY: PATCH
36 0036 1
37 0037 1 ABSTRACT: ERROR HANDLER
38 0038 1
39 0039 1 ENVIRONMENT: IMAGE FILE PATCH UTILITY
40 0040 1
41 0041 1 AUTHOR: K.D. MORSE , CREATION DATE: 5-OCT-77
42 0042 1
43 0043 1 MODIFIED BY:
44 0044 1
45 0045 1     V03-002 MTR0025      Mike Rhodes      11-Aug-1983
46 0046 1     Add OVERLAY message definition to shared message declarations.
47 0047 1     This message is issued when a file is being updated, as a
48 0048 1     result of the user's request /ABSOLUTE and /NONEW_VERSION
49 0049 1     qualifiers on the DCL command line.
50 0050 1
51 0051 1     V03-001 MTR0008      Mike Rhodes      15-Jun-1982
52 0052 1     Modify JNL_ERRMSG to return a value (to indicate
53 0053 1     whether or not the message has been written) to
54 0054 1     correspond with $PUTMSG protocol.
55 0055 1
56 0056 1     A new GLOBAL ROUTINE has been added to support the use of the
57 0057 1     shared messages.  GETFILDSC (fab) has been added to generate

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: 58
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0058 1
0059 1
0060 1
0061 1
0062 1
0063 1
0064 1
0065 1
0066 1
0067 1
0068 1
0069 1
0070 1

and return the address of a file descriptor containing the file
name of the problem file.
Add shared message definitions.
V02-008 PCG0001 Peter George 02-FEB-1981
Add require statement for LIB\$:PATDEF.REQ
V02-007 ADM0027 Kathleen D. Morse 04-Dec-1980
Remove special case for ECOSET error. It is now an
informational message and handled in PAT\$ECO_CMDS.

```

72 0071 1 |
73 0072 1 | TABLE OF CONTENTS:
74 0073 1 |
75 0074 1 |
76 0075 1 | FORWARD ROUTINE
77 0076 1 | PATERR_HANDLER, | Error handler
78 0077 1 | JNL_ERRMSG, | Action routine for SYSSYS$PUTMSG call
79 0078 1 | PATERROR_EXIT; | Error exit routine
80 0079 1 |
81 0080 1 |
82 0081 1 | INCLUDE FILES:
83 0082 1 |
84 0083 1 |
85 0084 1 | LIBRARY 'SYSSLIBRARY:STARLET.L32'; | System structure definitions
86 0085 1 | REQUIRE 'SRCS:VXSMAC.REQ';
87 0150 1 | REQUIRE 'SRCS:PATPCT.REQ'; | Define PSECTS
88 0190 1 | REQUIRE 'LIBS:PATDEF.REQ'; | Defines literals
89 0244 1 | REQUIRE 'LIBS:PATMSG.REQ'; | PATCH error message codes
90 0418 1 | REQUIRE 'SRCS:PREFIX.REQ';
91 0606 1 | REQUIRE 'SRCS:PATPRE.REQ';
92 0769 1 |
93 0770 1 |
94 0771 1 | MACROS:
95 0772 1 |
96 0773 1 |
97 0774 1 |
98 0775 1 |
99 0776 1 | Define shared messages and associated severities.
100 0777 1 |
101 0778 1 |
102 P 0779 1 | $SHR_MSGDEF (PAT, 109, GLOBAL,
103 P 0780 1 | (closein, severe),
104 P 0781 1 | (closeout, severe),
105 P 0782 1 | (openin, severe),
106 P 0783 1 | (openout, severe),
107 P 0784 1 | (readerr, severe),
108 P 0785 1 | (syserror, severe),
109 P 0786 1 | (writeerr, severe),
110 0787 1 | (overlay, info));
111 0788 1 |
112 0789 1 |
113 0790 1 | EQUATED SYMBOLS:
114 0791 1 |
115 0792 1 |
116 0793 1 | LITERAL
117 0794 1 | EXCEPTION_NAME = 1; | Offset to name of exception
118 0795 1 |
119 0796 1 |
120 0797 1 | OWN STORAGE:
121 0798 1 |
122 0799 1 |
123 0800 1 | OWN
124 0801 1 | JNL_PUT_MSG : VECTOR [5, LONG] INITIAL ( | SYSS$PUTMSG argument list for journal error
125 0802 1 | 4, | Count of arguments
126 0803 1 | PAT$_JNLPUT, | Error message code
127 0804 1 | 0, | FAO argument count
128 0805 1 | 0, | RMS error code

```

```
0);                                     ! STV error code

: 129 0806 1
: 130 0807 1
: 131 0808 1
: 132 0809 1 ! EXTERNAL REFERENCES:
: 133 0810 1
: 134 0811 1
: 135 0812 1 EXTERNAL ROUTINE
: 136 0813 1     SYSSPUTMSG,           ! Outputs error messages
: 137 0814 1     PATSEND OF LINE,      ! Resets for next command
: 138 0815 1     PAT$CLOSEFILES;      ! Close all files
: 139 0816 1
: 140 0817 1 EXTERNAL
: 141 0818 1     PAT$GB_EXEC_CMD : BYTE,   ! Command execution flag
: 142 0819 1     PAT$GL_FLAGS,          ! CLI flags
: 143 0820 1     PAT$GL_INPRAB : BLOCK[,BYTE], ! RAB for input commands (SYSS$INPUT)
: 144 0821 1     PAT$GL_OUTRAB : BLOCK[,BYTE], ! RAB for output information (SYSS$OUTPUT)
: 145 0822 1     PAT$GL_ERRRAB : BLOCK[,BYTE], ! RAB for error messages (SYSS$ERROR)
: 146 0823 1     PAT$GL_JNLRAB : BLOCK[,BYTE], ! RAB for journal file
: 147 0824 1     PAT$GL_ERRCODE,        ! Error code
: 148 0825 1     PAT$GL_ERRFAB : BLOCK[,BYTE], ! FAB for SYSS$ERROR
: 149 0826 1     PAT$GL_INPFAB : BLOCK[,BYTE], ! FAB for SYSS$INPUT
: 150 0827 1     PAT$GL_OUTFAB : BLOCK[,BYTE]; ! FAB for SYSS$OUTPUT
```

```

152 0828 1 GLOBAL ROUTINE PAT$ERR_HANDLER (SIGNAL_ARG_PTR, MECH_ARG_PTR, ENABLE_ARG_PTR) =
153 0829 1
154 0830 1
155 0831 1 ++
156 0832 1 FUNCTIONAL DESCRIPTION:
157 0833 1
158 0834 1 This routine is SIGNALLed whenever an error occurs. It calls
159 0835 1 the routine SYS$PUTMSG to output the error message to the journal
160 0836 1 file, SYS$ERROR, and SYS$OUTPUT (if different from SYS$OUTPUT).
161 0837 1 If the journal file output fails, then PATCH produces a corresponding
162 0838 1 message to the other channels and exits with an error status.
163 0839 1
164 0840 1 If the journal write was successful, then PATCH determines the
165 0841 1 error severity level and the type of patch session. The following
166 0842 1 table shows the actions taken:
167 0843 1
168 0844 1 SEVERITY LEVEL          INTERACTIVE SESSION    BATCH SESSION
169 0845 1 FATAL                  EXITS                  EXITS
170 0846 1 SEVERE                 UNWINDS                EXITS
171 0847 1 WARNING                UNWINDS                EXITS
172 0848 1 INFORMATION            RETURNS                RETURNS
173 0849 1
174 0850 1 All exits cause the files to be closed and the status code to
175 0851 1 be passed to CLI. When PATCH unwinds, a new PATCH command is
176 0852 1 requested.
177 0853 1 FORMAL PARAMETERS:
178 0854 1
179 0855 1 SIGNAL_ARG_PTR - Address of the signal argument block
180 0856 1 MECH_ARG_PTR - Address of the mechanism argument block
181 0857 1 ENABLE_ARG_PTR - Address of the enable argument block, from bliss enable directive
182 0858 1 (NONE)
183 0859 1
184 0860 1 IMPLICIT INPUTS:
185 0861 1
186 0862 1 The error messages must be already defined in the system and the
187 0863 1 output files open.
188 0864 1
189 0865 1 IMPLICIT OUTPUTS:
190 0866 1
191 0867 1 none
192 0868 1
193 0869 1 ROUTINE VALUE:
194 0870 1
195 0871 1 none
196 0872 1
197 0873 1 COMPLETION CODES:
198 0874 1
199 0875 1 none
200 0876 1
201 0877 1 SIDE EFFECTS:
202 0878 1
203 0879 1 The error message is written to the SYS$ERROR, journal file,
204 0880 1 and SYS$OUTPUT channels.
205 0881 1
206 0882 1 --
207 0883 1
208 0884 2 BEGIN

```

```

209 0885 2
210 0886 2 LITERAL
211 0887 2 ARG_COUNT = 0, ! Offset to count of arguments
212 0888 2 ERR_CODE = 1; ! Offset to error code
213 0889
214 0890 2 MAP
215 0891 2 SIGNAL_ARG_PTR : REF VECTOR, ! Signal argument block address
216 0892 2 MECH_ARG_PTR : REF VECTOR, ! Mechanism arguemtn block address
217 0893 2 ENABLE_ARG_PTR : REF VECTOR; ! FAO argument block address
218 0894
219 0895 2 !++
220 0896 2 ! Check for UNWIND exception.
221 0897 2 !--
222 0898 2 IF (.SIGNAL_ARG_PTR[EXCEPTION_NAME] EQL SSS_UNWIND)
223 0899 2 THEN
224 0900 2 RETURN SSS_RESIGNAL;
225 0901
226 0902 2 !++
227 0903 2 ! Cancel Control-O on SYS$ERROR and SYS$OUTPUT channels.
228 0904 2 !--
229 0905 2 PAT$GL_OUTRAB[RAB$R_ROP]=.PAT$GL_OUTRAB[RAB$R_ROP] OR RAB$M_CCO;
230 0906 2 PAT$GL_ERRRAB[RAB$R_ROP]=.PAT$GL_ERRRAB[RAB$R_ROP] OR RAB$M_CCO;
231 0907
232 0908 2 !++
233 0909 2 ! Decrement the count of arguments to eliminate the PC and access-violation.
234 0910 2 !--
235 0911 2 SIGNAL_ARG_PTR[ARG_COUNT] = .SIGNAL_ARG_PTR[ARG_COUNT] - 2;
236 0912
237 0913 2 !++
238 0914 2 ! Format the message and output it to SYS$ERROR and SYS$OUTPUT and the journal file.
239 0915 2 !--
240 0916 2 SYS$PUTMSG(.SIGNAL_ARG_PTR, JNL_ERRMSG, 0);
241 0917
242 0918 2 !++
243 0919 2 ! Restore the argument count.
244 0920 2 !--
245 0921 2 SIGNAL_ARG_PTR[ARG_COUNT] = .SIGNAL_ARG_PTR[ARG_COUNT] + 2;
246 0922
247 0923 2 !++
248 0924 2 ! Check if patch session is interactive or batch. Check severity level of error.
249 0925 2 ! Either exit, unwind, and/or return based on table described above.
250 0926 2 !--
251 0927 2
252 0928 2 !++
253 0929 2 ! First handle the interactive cases.
254 0930 2 !--
255 0931 2
256 0932 2 IF (.PAT$GL_INPFAB[FAB$R_DEV] AND DEV$M_TRM) NEQ 0 ! If this is interactive
257 0933 2 THEN
258 0934 2 BEGIN
259 0935 2 IF (.SIGNAL_ARG_PTR[ERR_CODE] AND MSG$K_FATAL) EQL MSG$K_FATAL ! If error was fatal
260 0936 2 THEN
261 0937 2 PAT$ERROR EXIT(.SIGNAL_ARG_PTR[ERR_CODE]); ! Exit with error status
262 0938 2 IF (.SIGNAL_ARG_PTR[ERR_CODE] AND MSG$K_INFO) NEQ MSG$K_INFO ! If not information msg
263 0939 2 THEN
264 0940 2 BEGIN
265 0941 2 PAT$END_OF_LINE(0); ! Reset for next command

```



```

: 266      0942      4      SUNWIND();      ! Unwind to command processing frame
: 267      0943      3      END;
: 268      0944      3      END      ! End of interactive handling
: 269      0945
: 270      0946      3      !++
: 271      0947      3      ! Now for a batch session.
: 272      0948      3      !--
: 273      0949      2      ELSE
: 274      0950      2      IF (.SIGNAL_ARG_PTR[ERR_CODE] AND MSG$K_INFO) NEQ MSG$K_INFO ! If not information msg
: 275      0951      2      THEN
: 276      0952      2      PAT$ERROR_EXIT(.SIGNAL_ARG_PTR[ERR_CODE]);      ! Exit with error status
: 277      0953
: 278      0954      2      !++
: 279      0955      2      ! Reset the RAB so Control-O will work correctly.
: 280      0956      2      !--
: 281      0957      2      PAT$GL_OUTRAB[RAB$V_CCO]=FALSE;
: 282      0958      2      PAT$GL_ERRRAB[RAB$V_CCO]=FALSE;
: 283      0959      2      RETURN SSS_CONTINUE;
: 284      0960      1      END;      ! End of PAT$ERR_HANDLER

```

```

.TITLE PATERR
.IDENT \V04-000\
.PSECT _PAT$OWN,NOEXE,2

```

```

00000000 00000000 00000000 006D818C 00000004 00000 JNL_PUT_MSG:
.LONG 4, 7176588, 0, 0, 0 ;

```

```

ISE$C_SIZE== 20
TXT$C_SIZE== 4
PAL$C_SIZE== 16
ASD$C_SIZE== 9
FWR$C_SIZE== 24
PAT$_CLOSEIN== 7147604
PAT$_CLOSEOUT== 7147612
PAT$_OPENIN== 7147676
PAT$_OPENOUT== 7147684
PAT$_READERR== 7147700
PAT$_SYSERROR== 7147956
PAT$_WRITEERR== 7147732
PAT$_OVERLAY== 7147691
.EXTRN SYSS$PUTMSG, PAT$END_OF_LINE
.EXTRN PAT$CLOSEFILES, PAT$GB_EXEC_CMD
.EXTRN PAT$GL_FLAGS, PAT$GL_INPRAB
.EXTRN PAT$GL_OUTRAB, PAT$GL_ERRRAB
.EXTRN PAT$GL_JNLRAB, PAT$GL_ERRCODE
.EXTRN PAT$GL_ERRFAB, PAT$GL_INPFAB
.EXTRN PAT$GL_OUTFAB, SYSSUNWIND

```

```

.PSECT _PAT$CODE,NOWRT,2

```

```

00000920 53 00000000V EF 9E 00002 .ENTRY PAT$ERR_HANDLER, Save R2,R3 ; 0828
52 04 AC D0 00009 MOVAB PAT$ERROR_EXIT, R3 ; 0898
RF 04 A2 D1 0000D MOVL SIGNAL_ARG_PTR, R2
06 12 00015 CMPL 4(R2), #2336
BNEQ 1$ ;

```

		50	0918	8F	3C	00017		MOVZWL	#2328, R0		0900	
					04	0001C		RET				
		00000000G		EF	80	8F	88	0001D	1\$:	BISB2	#128, PAT\$GL_OUTRAB+7	0905
		00000000G		EF	80	8F	88	00025		BISB2	#128, PAT\$GL_ERRRAB+7	0906
				62		02	C2	0002D		SUBL2	#2, (R2)	0911
						7E	D4	00030		CLRL	-(SP)	0916
			00000000V	EF		9F	00032			PUSHAB	JNL_ERRMSG	
				52		DD	00038			PUSHL	R2	
		00000000G		EF		03	FB	0003A		CALLS	#3, SYSSPUTMSG	
				62		02	CO	00041		ADDL2	#2, (R2)	0921
	26	00000000G		EF		02	E1	00044		BBC	#2, PAT\$GL_INPFAB+64, 3\$	0932
	06			62		22	E1	0004C		BBC	#34, (R2), -2\$	0935
						A2	DD	00050		PUSHL	4(R2)	0937
				63		01	FB	00053		CALLS	#1, PAT\$ERROR_EXIT	
03				02		00	ED	00056	2\$:	CMPZV	#0, #2, 4(R2), #3	0938
						22	13	0005C		BEQL	4\$	
						7E	D4	0005E		CLRL	-(SP)	0941
		00000000G		EF		01	FB	00060		CALLS	#1, PAT\$END_OF_LINE	
						7E	7C	00067		CLRQ	-(SP)	0942
		00000000G		00		02	FB	00069		CALLS	#2, SYSSUNWIND	
						0E	11	00070		BRB	4\$	0932
03				02		00	ED	00072	3\$:	CMPZV	#0, #2, 4(R2), #3	0950
						06	13	00078		BEQL	4\$	
						A2	DD	0007A		PUSHL	4(R2)	0952
				63		01	FB	0007D		CALLS	#1, PAT\$ERROR_EXIT	
		00000000G		EF	80	8F	8A	00080	4\$:	BICB2	#128, PAT\$GL_OUTRAB+7	0957
		00000000G		EF	80	8F	8A	00088		BICB2	#128, PAT\$GL_ERRRAB+7	0958
				50		01	DO	00090		MOVL	#1, R0	0959
						04	00093			RET		0960

; Routine Size: 148 bytes, Routine Base: _PAT\$CODE + 0000

```

286 0961 1 ROUTINE JNL_ERRMSG (MSG_DESC)=
287 0962 1
288 0963 1  !++
289 0964 1  ! FUNCTIONAL DESCRIPTION:
290 0965 1
291 0966 1      This routine is called by SYSSPUTMSG just before the message is output
292 0967 1      to SYSSERROR and SYSSOUTPUT. It writes the error message or informational
293 0968 1      message to the journal file.
294 0969 1
295 0970 1  ! FORMAL PARAMETERS:
296 0971 1
297 0972 1      MSG_DESC - String descriptor for message
298 0973 1
299 0974 1  ! IMPLICIT INPUTS:
300 0975 1
301 0976 1      The journal file is open for output.
302 0977 1
303 0978 1  ! IMPLICIT OUTPUTS:
304 0979 1
305 0980 1      none
306 0981 1
307 0982 1  ! ROUTINE VALUE:
308 0983 1
309 0984 1      none
310 0985 1
311 0986 1  ! COMPLETION CODES:
312 0987 1
313 0988 1      none
314 0989 1
315 0990 1  ! SIDE EFFECTS:
316 0991 1
317 0992 1      The message is written to the journal file. If this cannot be
318 0993 1      done, then the routine causes another error message to be output
319 0994 1      and causes PATCH to exit.
320 0995 1
321 0996 1  ! --
322 0997 1
323 0998 2 BEGIN
324 0999 2
325 1000 2
326 1001 2 LOCAL
327 1002 2 LOCAL_ERR;                                ! Local error code
328 1003 2
329 1004 2 MAP
330 1005 2 MSG_DESC : REF BLOCK[,BYTE];                ! String descriptor for message
331 1006 2
332 1007 2 !++
333 1008 2 ! Check that the journal file has been opened.
334 1009 2 ! --
335 1010 2 IF (.PAT$GL_FLAGS AND PAT$M_JOURNAL) EQL 0
336 1011 2 THEN
337 1012 2 RETURN TRUE;                                ! Return TRUE if it has NOT.
338 1013 2
339 1014 2 !++
340 1015 2 ! Output the error message to the journal file.
341 1016 2 ! --
342 1017 2 PAT$GL_JNLRAB[RAB$W_RSZ]=.MSG_DESC[DSC$W_LENGTH]; ! Set error message length

```

```

343 1018 2 PAT$GL_JNL_RAB[RAB$RBF]=.MSG_DESC[DSC$A_POINTER];      ! Set error message address
344 1019 3 IF NOT (LOCAL_ERR=$PUT(RAB=PAT$GL_JNL_RAB))             ! Output error to journal file
345 1020 2 THEN
346 1021 3   BEGIN
347 1022 3   ++
348 1023 3   | Unable to write to the journal file. Report the error to the
349 1024 3   | error and output channels. Then output the journal write error.
350 1025 3   --
351 1026 3   PAT$GL_OUT_RAB[RAB$RSZ]=.MSG_DESC[DSC$W_LENGTH];      ! Set error message length
352 1027 3   PAT$GL_OUT_RAB[RAB$RBF]=.MSG_DESC[DSC$A_POINTER];    ! Set error message address
353 1028 3   $PUT(RAB=PAT$GL_OUT_RAB);                             ! Output error to SYSS$OUTPUT
354 1029 4   IF (.PAT$GL_ERR_FAB[FAB$W_IFI] NEQ .PAT$GL_OUT_FAB[FAB$W_IFI])
355 1030 3   THEN
356 1031 4     BEGIN
357 1032 4     PAT$GL_ERR_RAB[RAB$RSZ]=.MSG_DESC[DSC$W_LENGTH]; ! Set error message length
358 1033 4     PAT$GL_ERR_RAB[RAB$RBF]=.MSG_DESC[DSC$A_POINTER]; ! Set error message address
359 1034 4     $PUT(RAB=PAT$GL_ERR_RAB);                          ! Output error to SYSS$ERROR
360 1035 3     END;
361 1036 3     JNL_PUT_MSG[3] = .LOCAL_ERR;
362 1037 3     JNL_PUT_MSG[4] = .PAT$GL_JNL_RAB[RAB$STV];
363 1038 3     SYSS$PUTMSG(JNL_PUT_MSG, 0, 0);
364 1039 3     PAT$ERROR_EXIT(PAT$JNL_PUT);                          ! Report journal PUT error
365 1040 2     END;                                              ! Exit with error status
366 1041 2 RETURN TRUE;
367 1042 1 END;
```

.EXTRN SYSS\$PUT

		01FC 00000 JNL_ERRMSG:				
	58	00000000	EF 9E 00002	.WORD	Save R2,R3,R4,R5,R6,R7,R8	: 0961
	57	00000000G	EF 9E 00009	MOVAB	JNL_PUT_MSG+12, R8	
	56	00000000G	EF 9E 00010	MOVAB	PAT\$GL_ERR_RAB+34, R7	
	55	00000000G	00 9E 00017	MOVAB	PAT\$GL_OUT_RAB+34, R6	
	54	00000000G	EF 9E 0001E	MOVAB	SYSS\$PUT, R5	
62	00000000G	EF 01 E1 00025	MOVAB	PAT\$GL_JNL_RAB+34, R4	: 1010	
	52	04 AC D0 0002D	BBC	#1, PAT\$GL_FLAGS, 2\$: 1017	
	64	62 B0 00031	MOVL	MSG_DESC, R2		
06	A4	04 A2 D0 00034	MOVW	(R2), PAT\$GL_JNL_RAB+34	: 1018	
		DE A4 9F 00039	MOVL	4(R2), PAT\$GL_JNL_RAB+40	: 1019	
	65	01 FB 0003C	PUSHAB	PAT\$GL_JNL_RAB		
	53	50 D0 0003F	CALLS	#1, SYSS\$PUT		
	4A	53 E8 00042	MOVL	R0, LOCAL_ERR		
	66	62 B0 00045	BLBS	LOCAL_ERR, 2\$		
06	A6	04 A2 D0 00048	MOVW	(R2), PAT\$GL_OUT_RAB+34	: 1026	
		DE A6 9F 0004D	MOVL	4(R2), PAT\$GL_OUT_RAB+40	: 1027	
	65	01 FB 00050	PUSHAB	PAT\$GL_OUT_RAB	: 1028	
	00000000G	EF 0E 13 0005E	CALLS	#1, SYSS\$PUT		
	67	62 B0 00060	CMPW	PAT\$GL_ERR_FAB+2, PAT\$GL_OUT_FAB+2	: 1029	
	06	A7	BEQ	1\$		
		04 A2 D0 00063	MOVW	(R2), PAT\$GL_ERR_RAB+34	: 1032	
		DE A7 9F 00068	MOVL	4(R2), PAT\$GL_ERR_RAB+40	: 1033	
	65	01 FB 0006B	PUSHAB	PAT\$GL_ERR_RAB	: 1034	
	68	53 D0 0006E	CALLS	#1, SYSS\$PUT		
04	A8	EA A4 D0 00071	MOVL	LOCAL_ERR, JNL_PUT_MSG+12	: 1036	
			MOVL	PAT\$GL_JNL_RAB+12, JNL_PUT_MSG+16	: 1037	

PATERR
V04-000

G 3
16-Sep-1984 00:11:18
14-Sep-1984 12:52:32

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[PATCH.SRC]PATERR.B32;1
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00000000G	EF	74	7E 7C 00076	CLRQ	-(SP)	:	1038
			AB 9F 0C 78	PUSHAB	JNL_PUT MSG	:	
			03 FB 0007B	CALLS	#3 -SYSPUTMSG	:	
00000000V	EF	006DB18C	8F DD 00082	PUSHL	#7176588	:	1039
	50		01 FB 00088	CALLS	#1, PAT\$ERROR_EXIT	:	
			01 D0 0008F 2\$:	MOVL	#1, R0	:	1041
			04 00092	RET		:	1042

; Routine Size: 147 bytes, Routine Base: _PAT\$CODE + 0094

```

: 369      1043 1 ROUTINE PAT$ERROR_EXIT(ERR_CODE) =          ! Error exit routine
: 370      1044 1
: 371      1045 1 ++
: 372      1046 1 FUNCTIONAL DESCRIPTION:
: 373      1047 1
: 374      1048 1     This routine exits with an error status code.
: 375      1049 1
: 376      1050 1 FORMAL PARAMETERS:
: 377      1051 1
: 378      1052 1     ERR_CODE - Error status code
: 379      1053 1
: 380      1054 1 IMPLICIT INPUTS:
: 381      1055 1
: 382      1056 1     none
: 383      1057 1
: 384      1058 1 IMPLICIT OUTPUTS:
: 385      1059 1
: 386      1060 1     none
: 387      1061 1
: 388      1062 1 ROUTINE VALUE:
: 389      1063 1
: 390      1064 1     none
: 391      1065 1
: 392      1066 1 COMPLETION CODES:
: 393      1067 1
: 394      1068 1     All kinds of error status codes and success codes.
: 395      1069 1
: 396      1070 1 SIDE EFFECTS:
: 397      1071 1
: 398      1072 1     none
: 399      1073 1
: 400      1074 1 --
: 401      1075 1
: 402      1076 2 BEGIN
: 403      1077 2
: 404      1078 2 $EXIT(CODE=(.ERR_CODE OR 1^28));          ! Exit with status
: 405      1079 1 END;                                     ! End of PAT$ERROR_EXIT
: INFO#212      LI:1078
: Null expression appears in value-required context

```

```

                                .EXTRN  SYS$EXIT
                                0000 0000 PAT$ERROR_EXIT:
                                .WORD   Save nothing          : 1043
                                BISL3   #268435456, ERR_CODE, -(SP) : 1078
                                CALLS   #1, SYS$EXIT
                                CLRL    R0                    : 1079
                                RET

```

: Routine Size: 21 bytes, Routine Base: _PAT\$CODE + 0127

```

: 407 1080 1 GLOBAL ROUTINE getfiledsc (fab) =
: 408 1081 2 BEGIN
: 409 1082 2 ++
: 410 1083 2
: 411 1084 2 Functional Description.
: 412 1085 2
: 413 1086 2 This routine ferrets out a string descriptor for a file name to be
: 414 1087 2 returned to the caller.
: 415 1088 2
: 416 1089 2 Inputs:
: 417 1090 2
: 418 1091 2 fab Address of the FAB for the file.
: 419 1092 2
: 420 1093 2 Outputs:
: 421 1094 2
: 422 1095 2 Routine Value is the address of the string descriptor for the file name.
: 423 1096 2
: 424 1097 2 --
: 425 1098 2
: 426 1099 2 MAP
: 427 1100 2 fab : REF $BBLOCK;
: 428 1101 2
: 429 1102 2 BIND
: 430 1103 2 nam = .fab[fab$l_nam] : $BBLOCK;
: 431 1104 2
: 432 1105 2 OWN
: 433 1106 2 filedesc : $BBLOCK [dsc$c_s_bln];
: 434 1107 2
: 435 1108 2 IF (filedesc[dsc$w_length] = .nam[nam$b_rsl]) NEQ 0
: 436 1109 2 THEN
: 437 1110 2 filedesc[dsc$a_pointer] = .nam[nam$l_rsa]
: 438 1111 2 ELSE
: 439 1112 2 IF (filedesc[dsc$w_length] = .nam[nam$b_esl]) NEQ 0
: 440 1113 2 THEN
: 441 1114 2 filedesc[dsc$a_pointer] = .nam[nam$l_esa]
: 442 1115 2 ELSE
: 443 1116 2 BEGIN
: 444 1117 2 filedesc[dsc$w_length] = .fab[fab$b_fns];
: 445 1118 2 filedesc[dsc$a_pointer] = .fab[fab$_fna];
: 446 1119 2 END;
: 447 1120 2
: 448 1121 2 RETURN filedesc
: 449 1122 1 END;

```

! End of GETFILDSC

.PSECT _PAT\$OWN,NOEXE,2

00014 FILEDESC:
.BLKB 8

.PSECT _PAT\$CODE,NOWRT,2

52 00000000' 0004 0000
EF 9E 00002

.ENTRY GETFILDSC, Save R2
MOVAB FILEDESC, R2

: 1080
:

	51	04	AC	D0	00009	MOVL	FAB, R1	1103
	50	28	A1	D0	0000D	MOVL	40(R1), R0	
	62	03	A0	9B	00011	MOVZBW	3(R0), FILEDESC	1108
			07	13	00015	BEQL	1\$	
04	A2	04	A0	D0	00017	MOVL	4(R0), FILEDESC+4	1110
			16	11	0001C	BRB	3\$	
	62	0B	A0	9B	0001E	MOVZBW	11(R0), FILEDESC	1112
			07	13	00022	BEQL	2\$	
04	A2	0C	A0	D0	00024	MOVL	12(R0), FILEDESC+4	1114
			09	11	00029	BRB	3\$	
	62	34	A1	9B	0002B	MOVZBW	52(R1), FILEDESC	1117
04	A2	2C	A1	D0	0002F	MOVL	44(R1), FILEDESC+4	1118
	50		62	9E	00034	MOVAB	FILEDESC, R0	1121
			04	00	00037	RET		1122

: Routine Size: 56 bytes, Routine Base: _PAT\$CODE + 013C

: 450 1123 1
: 451 1124 1 END
: 452 1125 0 ELUDOM

! End of PATERR

PSECT SUMMARY

Name	Bytes	Attributes
_PAT\$OWN	28	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
_PAT\$CODE	372	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
ABS	0	NOVEC, NOWRT, NORD, NOEXE, NOSHR, LCL, ABS, CON, NOPIC, ALIGN(0)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	46	0	581	00:01.0

: Information: 1
: Warnings: 0
: Errors: 0

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/VARIANT:1/LIS=LIS\$:PATERR/OBJ=OBJ\$:PATERR MSRC\$:PATERR/UPDATE=(ENH\$:PATERR)

PATERR
V04-000

K 3
16-Sep-1984 00:11:18
14-Sep-1984 12:52:32

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DISK\$VMSMASTER:[PATCH.SRC]PATERR.B32;1 (6)

: Size: 372 code + 28 data bytes
: Run Time: 00:18.4
: Elapsed Time: 01:07.2
: Lines/CPU Min: 3666
: Lexemes/CPU-Min: 52386
: Memory Used: 123 pages
: Compilation Complete

PA
V04

This image displays a grid of 100 small, faint terminal window screenshots, arranged in 10 rows and 10 columns. Each window contains various data, code, or graphical elements, including text, tables, and charts. Some windows are more legible than others, showing titles like 'PATERR LIS', 'PATINT LIS', 'PATINS LIS', 'PATIHD LIS', 'PATEXA LIS', and 'PATERE LIS'. The overall appearance is that of a dense collection of system output or diagnostic data.