

NNN	NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFFFFFFFFFFFFF
NNN	NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFFFFFFFFFFFFF
NNN	NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFFFFFFFFFFFFF
NNN	NNN	III	CCC	NNN	NNN	FFF
NNN	NNN	III	CCC	NNN	NNN	FFF
NNN	NNN	III	CCC	NNN	NNN	FFF
NNNNNN	NNN	III	CCC	NNNNNN	NNN	FFF
NNNNNN	NNN	III	CCC	NNNNNN	NNN	FFF
NNNNNN	NNN	III	CCC	NNNNNN	NNN	FFF
NNN	NNN	III	CCC	NNN	NNN	FFFFFFFFFFFFFF
NNN	NNN	III	CCC	NNN	NNN	FFFFFFFFFFFFFF
NNN	NNN	III	CCC	NNN	NNN	FFFFFFFFFFFFFF
NNN	NNN	III	CCC	NNN	NNN	FFF
NNN	NNN	III	CCC	NNN	NNN	FFF
NNN	NNN	III	CCC	NNN	NNN	FFF
NNN	NNN	III	CCC	NNN	NNN	FFF
NNN	NNN	III	CCC	NNN	NNN	FFF
NNN	NNN	III	CCC	NNN	NNN	FFF
NNN	NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFF
NNN	NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFF
NNN	NNN	IIIIIIIIII	CCCCCCCCCCCC	NNN	NNN	FFF

```

CCCCCCCC NN    NN  FFFFFFFF  SSSSSSSS  EEEEEEEEE  NN    NN  DDDDDDD
CCCCCCCC NN    NN  FFFFFFFF  SSSSSSSS  EEEEEEEEE  NN    NN  DDDDDDD
CC        NN    NN  FF          SS        FF          NN    NN  DD      DD
CC        NN    NN  FF          SS        FF          NN    NN  DD      DD
CC        NNNN   NN  FF          SS        FF          NNNN  NN  DD      DD
CC        NNNN   NN  FF          SS        FF          NNNN  NN  DD      DD
CC        NN  NN  NN  FFFFFFFF  SSSSSS    EEEEEEEE  NN  NN  NN  DD      DD
CC        NN  NN  NN  FFFFFFFF  SSSSSS    EEEEEEEE  NN  NN  NN  DD      DD
CC        NN    NNNN  FF          SS        FF          NN  NNNN  DD      DD
CC        NN    NNNN  FF          SS        FF          NN  NNNN  DD      DD
CC        NN    NN  FF          SS        FF          NN    NN  DD      DD
CC        NN    NN  FF          SS        FF          NN    NN  DD      DD
CC        NN    NN  FF          SS        FF          NN    NN  DD      DD
CCCCCCCC NN    NN  FF          SSSSSSSS  EEEEEEEEE  NN    NN  DDDDDDD
CCCCCCCC NN    NN  FF          SSSSSSSS  EEEEEEEEE  NN    NN  DDDDDDD

```

```

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
LLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS

```

```

1 0001 0 %TITLE 'DECnet Ethernet Configurator Module'
2 0002 0 MODULE CNFSEND
3 0003 0
4 0004 0 LANGUAGE (BLISS32),
5 0005 0 IDENT = 'V04-000'
6 0006 1 ) =
7 0007 1 BEGIN
8 0008 1
9 0009 1 *****
10 0010 1 *
11 0011 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY *
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28 0028 1 *
29 0029 1 *
30 0030 1 *****
31 0031 1
32 0032 1
33 0033 1 **
34 0034 1 FACILITY: DECnet Configurator Module (NICONFIG)
35 0035 1
36 0036 1 ABSTRACT:
37 0037 1
38 0038 1 This module contains the routines to buffer and send NICE
39 0039 1 response messages to the processes which interrupt with requests.
40 0040 1
41 0041 1 ENVIRONMENT: VAX/VMS Operating System
42 0042 1
43 0043 1 AUTHOR: Bob Grosso, CREATION DATE: 18-Jan-1982
44 0044 1
45 0045 1 MODIFIED BY:
46 0046 1
47 0047 1 --

```

```

: 49 0048 1 %SBTTL 'Definitions'
: 50 0049 1
: 51 0050 1
: 52 0051 1 ! INCLUDE FILES:
: 53 0052 1 !
: 54 0053 1
: 55 0054 1 LIBRARY 'SYS$LIBRARY:STARLET'; ! VMS common definitions
: 56 0055 1
: 57 0056 1 REQUIRE 'LIB$CNFDEF.R32';
: 58 0147 1
: 59 0148 1 REQUIRE 'SRC$CNFPREFIX.REQ';
: 60 0245 1
: 61 0246 1
: 62 0247 1 !
: 63 0248 1 ! BUILTIN functions
: 64 0249 1 !
: 65 0250 1
: 66 0251 1 BUILTIN
: 67 0252 1 INSQUE; ! INSQUE instruction
: 68 0253 1 REMQUE; ! REMQUE instruction
: 69 0254 1
: 70 0255 1 !
: 71 0256 1 ! TABLE OF CONTENTS:
: 72 0257 1 !
: 73 0258 1
: 74 0259 1 FORWARD ROUTINE
: 75 0260 1
: 76 0261 1 CNF$BUFR_NICE_MSG; ! Buffer NICE messages into IRB
: 77 0262 1 CNF$SEND_NICE_MSG; ! Send the NICE message stored in IRB
: 78 0263 1
: 79 0264 1 !
: 80 0265 1 ! EXTERNAL REFERENCES:
: 81 0266 1 !
: 82 0267 1
: 83 0268 1 EXTERNAL ROUTINE
: 84 0269 1
: 85 0270 1 ! Module CNFMAIN
: 86 0271 1
: 87 0272 1 CNF$TRACE; ! Log messages to log file
: 88 0273 1 CNF$LOG_DATA; ! Log formatted data to log file
: 89 0274 1 CNF$GET_ZVM; ! Get zeroed virtual memory
: 90 0275 1 CNF$FREE_VM; ! Free virtual memory
: 91 0276 1
: 92 0277 1 ! Module CNFINTRPT
: 93 0278 1
: 94 0279 1 CNF$CLOSE_REQUEST_LINK; ! After an unsuccessful IO shut down the link and deallocate control
: 95 0280 1 CNF$SOLICIT_REQUEST;
: 96 0281 1
: 97 0282 1 ! Module CNFWORKQ
: 98 0283 1
: 99 0284 1 WKQSADD_WORK_ITEM; ! Add work to work queue
100 0285 1
101 0286 1
102 0287 1 EXTERNAL LITERAL
103 0288 1
104 0289 1 CNF$_LINK; ! Error on logical link
105 0290 1

```

CNFSEND
V04-000

DECnet Ethernet Configurator Module
Definitions

F 1
16-Sep-1984 02:06:26
14-Sep-1984 12:49:53

VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSEND.B32;1

Page 3
(2)

```
.. 06  
.. 107  
.. 108  
.. 109  
.. 110  
.. 111  
.. 112
```

```
0291 1          CNF$C_ASYNC_EFN;  
0292 1  
0293 1  
0294 1 EXTERNAL  
0295 1  
0296 1          CNF$CL_LOGMASK : BITVECTOR [32];  
0297 1
```

```

114 0298 1 %SBTTL 'CNF$BUFR_NICE_MSG Buffer the response message'
115 0299 1 GLOBAL ROUTINE CNF$BUFR_NICE_MSG (IRB, MSG, DEALLOCATE_LEN) =
116 0300 1
117 0301 1
118 0302 1 ++
119 0303 1 FUNCTIONAL DESCRIPTION:
120 0304 1 Place the NICE message onto a linked list of messages stored
121 0305 1 in the IRB for later transmission to the connectee.
122 0306 1
123 0307 1 FORMAL PARAMETERS:
124 0308 1
125 0309 1     irb           Interrupt Request Block, contains context for
126 0310 1                I/O with connectee.
127 0311 1
128 0312 1     msg           address of buffer containing NICE message to be
129 0313 1                stored in the IRB.
130 0314 1
131 0315 1     deallocate_len Length of message to be deallocated after transmission.
132 0316 1                Some messages are stored in buffers allocated in VM
133 0317 1                and must be deallocated after transmission. Others
134 0318 1                reside on the stack or in OWN storage and shouldn't
135 0319 1                be deallocated.
136 0320 1
137 0321 1 IMPLICIT INPUTS:
138 0322 1     NONE
139 0323 1
140 0324 1 IMPLICIT OUTPUTS:
141 0325 1     NONE
142 0326 1
143 0327 1 ROUTINE VALUE:
144 0328 1 COMPLETION CODES:
145 0329 1     Success
146 0330 1
147 0331 1 --
148 0332 1
149 0333 2 BEGIN
150 0334 2 MAP
151 0335 2     IRB : REF BBLOCK,
152 0336 2     MSG : REF BBLOCK;
153 0337 2
154 0338 2 LOCAL
155 0339 2     BNR : REF BBLOCK,
156 0340 2     STATUS;
157 0341 2
158 0342 2
159 0343 2 CNF$TRACE (DBG$C_TRACE, $DESCRIPTOR('TRACE'),
160 0344 2     $DESCRIPTOR('cnf$bufr_nice_msg'));
161 0345 2
162 0346 2
163 0347 2 EXECUTE (CNF$GET_ZVM (%REF (BNR$C_LENGTH), BNR) );
164 0348 2     BNR [BNR$L_ADDRESS] = .MSG [DSC$A_POINTER];
165 0349 2     BNR [BNR$W_LENGTH] = .MSG [DSC$W_LENGTH];
166 0350 2
167 0351 2     BNR [BNR$W_FREE_LEN] = .DEALLOCATE_LEN;
168 0352 2     INSQUE (.BNR, .IRB [IRB$L_BNR_BLINK]);
169 0353 2
170 0354 2 RETURN TRUE;

```

```

! Get space to store header and message
! Record message buffer pointer
! Record message length

! Queue message onto IRB

```



```

173 0356 1 %SBTTL 'CNF$BUFR_ERR_MSG Buffer the error response message'
174 0357 1 GLOBAL ROUTINE CNF$BUFR_ERR_MSG
175 0358 1 (IRB, ERR_CODE, ERR_DETAIL, ERR_TXT_COD, ERR_TXT_DSC) =
176 0359 1
177 0360 1 |++
178 0361 1 | FUNCTIONAL DESCRIPTION:
179 0362 1 |
180 0363 1 | Build the error response message and buffer it for later return to
181 0364 1 | the connectee.
182 0365 1 |
183 0366 1 | FORMAL PARAMETERS:
184 0367 1 |
185 0368 1 |     irb             Interrupt Request Block, contains context for
186 0369 1 |                   I/O with connectee.
187 0370 1 |
188 0371 1 |     err_code       The error code is returned in the first byte
189 0372 1 |                   of the NICE response message.
190 0373 1 |
191 0374 1 |     err_detail     The error detail is returned in second and third bytes
192 0375 1 |                   of the NICE response message.
193 0376 1 |
194 0377 1 |     err_txt_cod    An optional error status, for which the error text
195 0378 1 |                   will be obtained and buffered
196 0379 1 |
197 0380 1 |     err_txt_dsc   An optional error text which will be buffered
198 0381 1 |
199 0382 1 | IMPLICIT INPUTS:
200 0383 1 |     NONE
201 0384 1 |
202 0385 1 | IMPLICIT OUTPUTS:
203 0386 1 |     NONE
204 0387 1 |
205 0388 1 | ROUTINE VALUE:
206 0389 1 | COMPLETION CODES:
207 0390 1 |     Always return success
208 0391 1 |
209 0392 1 | SIDE EFFECTS:
210 0393 1 |
211 0394 1 |     Error message is built and buffered and stored in the IRB
212 0395 1 |
213 0396 1 | --
214 0397 1 |
215 0398 2 | BEGIN
216 0399 2 | BUILTIN
217 0400 2 |     NULLPARAMETER;                ! To check for optional parameters
218 0401 2 |
219 0402 2 | LITERAL
220 0403 2 |     DECODED_TXT_BUFLN = 256;      ! Maximum size of text string for decoded error messages
221 0404 2 |
222 0405 2 | MAP
223 0406 2 |     ERR_TXT_DSC : REF BBLOCK;
224 0407 2 |
225 0408 2 | LOCAL
226 0409 2 |     ERR_TXTLEN,                   ! Either the length of the text decoded from the ERR_TXT_COD
227 0410 2 |                                     ! or the length of optional text in ERR_TXT_DSC
228 0411 2 |     MSG :                          ! Descriptor of message being built
229 0412 2 |     BBLOCK [DSC$C_S_BLN],

```



```

230 0413 2 STATUS,
231 0414 2 DECODED_TXT_LEN, ! Length of message text decoded from ERR_TXT_COD
232 0415 2 DECODED_TXT_BUFDSC : ! Descriptor of message text decoded from ERR_TXT_COD
233 0416 2 BBLOCK [DSC$S_BLN],
234 0417 2 DECODED_TXT_BUF : ! Buffer for message text decoded from ERR_TXT_COD
235 0418 2 BBLOCK [DECODED_TXT_BUFLen];
236 0419
237 0420
238 0421 2 CNF$TRACE (DBG$C_TRACE, $DESCRIPTOR('TRACE'),
239 0422 2 $DESCRIPTOR ('cnf$bufr_err_msg'));
240 0423
241 0424 2 MSG = 0; ! Zero descriptor length and type fields
242 0425 2 ERR_TXTLEN = 0;
243 0426
244 0427 2
245 0428 2 ! Set up descriptor and buffer for decoding the optional error code
246 0429 2
247 0430 2 DECODED_TXT_LEN = 0;
248 0431 2 DECODED_TXT_BUFDSC = 0;
249 0432 2 DECODED_TXT_BUFDSC [DSC$W_LENGTH] = DECODED_TXT_BUFLen;
250 0433 2 DECODED_TXT_BUFDSC [DSC$A_POINTER] = DECODED_TXT_BUF;
251 0434
252 0435 2 IF NOT NULLPARAMETER (4)
253 0436 2 THEN
254 0437 2
255 0438 2 ! Parameter ERR_TXT_COD was provided so decode it
256 0439 2
257 0440 2 BEGIN
258 0441 2 $GETMSG (MSGID = .ERR_TXT_COD,
259 0442 2 MSGLEN = DECODED_TXT_LEN,
260 0443 2 BUFADR = DECODED_TXT_BUFDSC);
261 0444 2 ERR_TXTLEN = .DECODED_TXT_LEN;
262 0445 2 END
263 0446 2 ELSE
264 0447 2
265 0448 2 ! Optional parameter ERR_TXT_COD was not provided so see if
266 0449 2 ! ERR_TXT_DSC was and use it instead.
267 0450 2
268 0451 2 BEGIN
269 0452 2 IF NOT NULLPARAMETER (5)
270 0453 2 THEN
271 0454 2 ERR_TXTLEN = .ERR_TXT_DSC [DSC$W_LENGTH];
272 0455 2 END;
273 0456
274 0457 2 MSG [DSC$W_LENGTH] = 4 + .ERR_TXTLEN;
275 0458 2 EXECUTE (CNF$GET_ZVM (MSG [DSC$W_LENGTH], MSG [DSC$A_POINTER]) ); ! Get space to store message
276 0459
277 0460 2 (.MSG [DSC$A_POINTER]) <0, 8> = .ERR_CODE; ! First byte is error code
278 0461 2 (.MSG [DSC$A_POINTER]) <8, 16> = .ERR_DETAIL; ! Second and third bytes are error detail
279 0462 2 (.MSG [DSC$A_POINTER]) <24, 8> = .ERR_TXTLEN; ! Fourth byte is length of optional error text
280 0463
281 0464 2 IF .ERR_TXTLEN GTR 0
282 0465 2 THEN
283 0466 2
284 0467 2 ! Optional text was provided either by decoding ERR_TXT_COD
285 0468 2 ! or in ERR_TXT_DSC, so append it to error message being built
286 0469 2

```

P P

```

: 287      0470      2      CH$MOVE (.ERR_TXTLEN,
: 288      0471      2      (IF .DECODED_TXT_LEN GTR 0
: 289      0472      2      THEN
: 290      0473      2      DECODED_TXT_BUF
: 291      0474      2      ELSE
: 292      0475      2      .ERR_TXT_DSC [DSC$A_POINTER]
: 293      0476      2      )
: 294      0477      2      (.MSG [DSC$A_POINTER]) + 4);
: 295      0478      2
: 296      0479      2      CNF$BUFR_NICE_MSG (.IRB, MSG, .MSG [DSC$W_LENGTH]); ! Place the error message in the IRB for later trans
: 297      0480      2      RETURN TRUE;
: 298      0481      1      END;

```

```

.PSECT $PLITS,NOWRT,NOEXE,2
      45 43 41 52 54 0002C P.AAF: .ASCII \TRACE\
      00031
      00000005, 00034 P.AAE: .BLKB 3
      00000000, 00038 P.AAE: .LONG 5
      73 6D 5F 72 72 65 5F 72 66 75 62 24 66 6E 63 0003C P.AAH: .ADDRESS P.AAF
      67 0004B P.AAH: .ASCII \cnf$bufr_err_msg\
      00000010, 0004C P.AAG: .LONG 16
      00000000, 00050 P.AAG: .ADDRESS P.AAH
      .EXTRN SYSSGETMSG
      .PSECT $CODE$,NOWRT,2
      .ENTRY CNF$BUFR_ERR_MSG, Save R2,R3,R4,R5 : 0357
      MOVAB -276(SP), SP
      PUSHAB P.AAG : 0422
      PUSHAB P.AAE : 0421
      PUSHL #1
      CALLS #3, CNF$TRACE
      CLRL MSG : 0424
      CLRL ERR_TXTLEN : 0425
      CLRL DECODED_TXT_LEN : 0430
      CLRL DECODED_TXT_BUF DSC : 0431
      MOVW #256, DECODED_TXT_BUF DSC : 0432
      MOVAB DECODED_TXT_BUF, DECODED_TXT_BUF DSC+4 : 0433
      CMPB (AP), #4 : 0435
      BLSSU 1$
      TSTL 16(AP)
      BEQL 1$
      MOVQ #15, -(SP) : 0443
      PUSHAB DECODED_TXT_BUF DSC
      PUSHAB DECODED_TXT_LEN
      PUSHL ERR_TXT_COD
      CALLS #5, SYSSGETMSG
      MOVL DECODED_TXT_LEN, ERR_TXTLEN : 0444
      BRB 2$ : 0435
      CMPB (AP), #5 : 0452
      BLSSU 2$
      TSTL 20(AP)
      BEQL 2$

```

F8	AD	52	14	BC	3C	00057	MOVZWL	@ERR_TXT_DSC, ERR_TXTLEN	:	0454
		52		04	A1	0005B	ADDW3	#4, ERR_TXTLEN, MSG	:	0457
			FC	AD	9F	00060	PUSHAB	MSG+4	:	0458
			F8	AD	9F	00063	PUSHAB	MSG	:	
	0000G	CF		02	FB	00066	CALLS	#2, CNF\$GET_ZVM	:	
		3E		50	E9	0006B	BLBC	STATUS, 6\$:	
		51	FC	AD	D0	0006E	MOVL	MSG+4, R1	:	0460
		61	08	AC	90	00072	MOVB	ERR_CODE, (R1)	:	
	01	A1	0C	AC	B0	00076	MOVW	ERR_DETAIL, 1(R1)	:	0461
	03	A1		52	90	0007B	MOVB	ERR_TXTLEN, 3(R1)	:	0462
				52	D5	0007F	TSTL	ERR_TXTLEN	:	0464
				17	15	00081	BLEQ	5\$:	
				6E	D5	00083	TSTL	DECODED_TXT_LEN	:	0471
				06	15	00085	BLEQ	3\$:	
		50	04	AE	9E	00087	MOVAB	DECODED_TXT_BUF, R0	:	
				08	11	0008B	BRB	4\$:	
		50	14	AC	D0	0008D	MOVL	ERR_TXT_DSC, R0	:	0475
		50	04	A0	D0	00091	MOVL	4(R0), R0	:	
04	A1	60		52	28	00095	MOV3	ERR_TXTLEN, (R0), 4(R1)	:	0477
		7E		F8	AD	3C	MOVZWL	MSG, -(SP)	:	0479
				F8	AD	9F	PUSHAB	MSG	:	
				04	AC	DD	PUSHL	IRB	:	
	FF0F	CF		03	FB	000A4	CALLS	#3, CNF\$BUFR_NICE_MSG	:	
		50		01	D0	000A9	MOVL	#1, R0	:	0480
				4	000AC	6\$:	RET		:	0481

; Routine Size: 173 bytes, Routine Base: \$CODE\$ + 0048

```

300 0482 1 %SBTTL 'CNF$SEND NICE MSG send the response message'
301 0483 1 GLOBAL ROUTINE CNF$SEND_NICE_MSG (IRB) =
302 0484 1
303 0485 1 ++
304 0486 1 FUNCTIONAL DESCRIPTION:
305 0487 1
306 0488 1     Called first from CNF$PROCESS_REQUEST, a routine executed off
307 0489 1     the work queue. There will be an assumption at this point that
308 0490 1     the IOSB contains a success from a previous interaction over the
309 0491 1     channel. The first NICE message in the IRB is QIO'd and from
310 0492 1     then on CNF$SEND_NICE_MSG is executed as an AST routine upon QIO
311 0493 1     completion. The IOSB is checked before another NICE message
312 0494 1     is removed and QIO'd.
313 0495 1
314 0496 1     When the list is empty then a CNF$SOLICIT_REQUEST is placed on
315 0497 1     the work queue.
316 0498 1
317 0499 1 FORMAL PARAMETERS:
318 0500 1
319 0501 1     irb             Interrupt Request Block, contains context for
320 0502 1                   I/O with connectee.
321 0503 1
322 0504 1 IMPLICIT INPUTS:
323 0505 1
324 0506 1
325 0507 1 IMPLICIT OUTPUTS:
326 0508 1
327 0509 1     NONE
328 0510 1
329 0511 1 ROUTINE VALUE:
330 0512 1 COMPLETION CODES:
331 0513 1
332 0514 1     NONE
333 0515 1
334 0516 1 SIDE EFFECTS:
335 0517 1
336 0518 1     NONE
337 0519 1
338 0520 1 --
339 0521 1
340 0522 2 BEGIN
341 0523 2 MAP
342 0524 2     IRB : REF BBLOCK;
343 0525 2
344 0526 2 LOCAL
345 0527 2     BNR : REF BBLOCK,
346 0528 2     STATUS;
347 0529 2
348 0530 2
349 0531 2 CNF$TRACE (DBG$TRACE, $DESCRIPTOR('TRACE'),
350 0532 2     $DESCRIPTOR ('cnf$send_nice_msg'));
351 0533 2
352 0534 2
353 0535 2     The first time thru, the IOSB should contain a success status
354 0536 2     from a previous I/O on the channel. For subsequent passes,
355 0537 2     CNF$SEND_NICE_MSG will be called to send the next NICE message.
356 0538 2     Then the IOSB will contain the status for the previous send,

```

```

357 0539 2 | and then if there was an error on the channel, the channel will
358 0540 2 | will be closed.
359 0541 2 |
360 0542 2 | STATUS = .IRB [IRB$W_IOSB];
361 0543 2 | IF NOT .STATUS
362 0544 2 | THEN
363 0545 2 | BEGIN
364 0546 2 | IF (.STATUS NEQ SSS_LINKABORT) AND
365 0547 2 | (.STATUS NEQ SSS_LINKEXIT)
366 0548 2 | THEN
367 0549 2 | SIGNAL (CNF$ LINK, 0, .STATUS);
368 0550 2 | WKQ$ADD WORK_ITEM (CNF$CLOSE_REQUEST_LINK, .IRB);
369 0551 2 | RETURN TRUE;
370 0552 2 | END;
371 0553 2 |
372 0554 2 |
373 0555 2 | Check to see if this call of the routine follows a call in which a
374 0556 2 | buffered message was sent. In that case it should now be
375 0557 2 | deallocated. This would not be the case if this was the first
376 0558 2 | call to this routine.
377 0559 2 |
378 0560 2 | IF .IRB [IRB$W_FREE_LEN] NEQ 0
379 0561 2 | THEN
380 0562 2 | BEGIN
381 0563 2 | EXECUTE (CNF$FREE_VM (%REF(.IRB [IRB$W_FREE_LEN]), IRB [IRB$L_NICE_ADR] ) );
382 0564 2 | IRB [IRB$W_FREE_LEN] = 0; ! Keep it clean to avoid confusion
383 0565 2 | END; ! when another set of messages are buffered.
384 0566 2 |
385 0567 2 |
386 0568 2 | If there are any Buffered NICE Responses in the linked list
387 0569 2 | then remove the next and set it up for sending. Deallocate the header.
388 0570 2 |
389 0571 2 | IF .IRB [IRB$L_BNR_FLINK] NEQ IRB [IRB$L_BNR_FLINK]
390 0572 2 | THEN ! There are messages to send
391 0573 2 | BEGIN ! Get the next buffered message ready for sending
392 0574 2 | BNR = .IRB [IRB$L_BNR_FLINK];
393 0575 2 | REMQUE (.BNR, STATUS); ! Remove the next message
394 0576 2 | IRB [IRB$W_NICE_LEN] = .BNR [BNR$W_LENGTH];
395 0577 2 | IRB [IRB$L_NICE_ADR] = .BNR [BNR$L_ADDRESS];
396 0578 2 | IRB [IRB$W_FREE_LEN] = .BNR [BNR$W_FREE_LEN];
397 0579 2 | EXECUTE (CNF$FREE_VM (%REF(BNR$C_LENGTH), BNR) );
398 0580 2 | END
399 0581 2 | ELSE
400 0582 2 |
401 0583 2 | No more NICE messages buffered
402 0584 2 | Last request has been completed, solicit another.
403 0585 2 |
404 0586 2 | BEGIN
405 0587 2 | WKQ$ADD WORK_ITEM (CNF$SOLICIT_REQUEST, .IRB);
406 0588 2 | RETURN TRUE;
407 0589 2 | END;
408 0590 2 |
409 0591 2 |
410 0592 2 | If NICE debug logging is enabled, print the NICE message about
411 0593 2 | to be sent.
412 0594 2 |
413 0595 2 | IF .CNF$GL_LOGMASK [DBG$C_NICE]

```


		0000'	CF 9F 00017	PUSHAB	P.AAI	0531
			01 DD 0001B	PUSHL	#1	
0000G	CF		03 FB 0001D	CALLS	#3, CNF\$TRACE	
	52	04	AC D0 00022	MOVL	IRB, R2	0542
	53	0C	A2 32 00026	CVTWL	12(R2), STATUS	
	23		53 E8 0002A	BLBS	STATUS, 2\$	0543
000020E4	8F		53 D1 0002D	CMPL	STATUS, #8420	0546
			12 13 00034	BEQL	1\$	
000020F4	8F		53 D1 00036	CMPL	STATUS, #8436	0547
			09 13 0003D	BEQL	1\$	
			53 DD 0003F	PUSHL	STATUS	0549
			7E D4 00041	CLRL	-(SP)	
			54 DD 00043	PUSHL	R4	
	65		03 FB 00045	CALLS	#3, LIB\$SIGNAL	
			52 DD 00048	PUSHL	R2	0550
		0000G	CF 9F 0004A	PUSHAB	CNF\$CLOSE_REQUEST_LINK	
			55 11 0004E	BRB	6\$	
		1E	A2 B5 00050	TSTW	30(R2)	0560
			17 13 00053	BEQL	4\$	
		20	A2 9F 00055	PUSHAB	32(R2)	0563
04	AE	1E	A2 32 00058	CVTWL	30(R2), 4(SP)	
		04	AE 9F 0005D	PUSHAB	4(SP)	
0000G	CF		02 FB 00060	CALLS	#2, CNF\$FREE_VM	
	01		50 E8 00065	BLBS	STATUS, 3\$	
			04 00068	RET		
		1E	A2 B4 00069	CLRW	30(R2)	0564
	50	14	A2 9E 0006C	MOVAB	20(R2), R0	0571
	50	14	A2 D1 00070	CMPL	20(R2), R0	
			29 13 00074	BEQL	5\$	
04	AE	14	A2 D0 00076	MOVL	20(R2), BNR	0574
	53	04	BE 0F 0007B	REMQUE	@BNR, STATUS	0575
	51	04	AC D0 0007F	MOVL	IRB, R1	0576
	50	04	AE D0 00083	MOVL	BNR, R0	
1C	A1	08	A0 7D 00087	MOVQ	8(R0), 28(R1)	
		04	AE 9F 0008C	PUSHAB	BNR	0579
04	AE		10 D0 0008F	MOVL	#16, 4(SP)	
		04	AE 9F 00093	PUSHAB	4(SP)	
0000G	CF		02 FB 00096	CALLS	#2, CNF\$FREE_VM	
	0E		50 E8 0009B	BLBS	STATUS, 7\$	
			04 0009E	RET		
			52 DD 0009F	PUSHL	R2	0587
		0000G	CF 9F 000A1	PUSHAB	CNF\$SOLICIT_REQUEST	
0000G	CF		02 FB 000A5	CALLS	#2, WKQ\$ADD_WORK_ITEM	
			60 11 000AA	BRB	9\$	0588
	21	0000G	CF E9 000AC	BLBC	CNF\$GL_LOGMASK, 8\$	0595
		08	AE D4 000B1	CLRL	DATA_DSC	0599
	50	04	AC D0 000B4	MOVL	IRB, R0	0600
08	AE	1C	A0 B0 000B8	MOVW	28(R0), DATA_DSC	
0C	AE	20	A0 D0 000BD	MOVL	32(R0), DATA_DSC+4	0601
		08	AE 9F 000C2	PUSHAB	DATA_DSC	0602
			7E D4 000C5	CLRL	-(SP)	
		0000'	CF 9F 000C7	PUSHAB	P.AAM	
			7E D4 000CB	CLRL	-(SP)	
0000G	CF		04 FB 000CD	CALLS	#4, CNF\$LOG_DATA	
			7E 7C 000D2	CLRQ	-(SP)	0618
			7E 7C 000D4	CLRQ	-(SP)	
	50	04	AC D0 000D6	MOVL	IRB, R0	

CNFSEND
V04-000

DECnet Ethernet Configurator Module
CNF\$SEND_NICE_MSG send the response message

E 2
16-Sep-1984 02:06:26
14-Sep-1984 12:49:53

VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSEND.B32;1

Page 15
(6)

: 444
: 445
0625 1 END
0626 0 ELUDOM
! End of module CNFSEND

.EXTRN LIB\$SIGNAL

PSECT SUMMARY

Name	Bytes	Attributes
\$PLITS	152	NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$CODES	517	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	11	0	581	00:01.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:CNFSEND/OBJ=OBJ\$:CNFSEND MSRC\$:CNFSEND/UPDATE=(ENHS:CNFSEND)

: Size: 517 code + 152 data bytes
: Run Time: 00:12.4
: Elapsed Time: 00:28.1
: Lines/CPU Min: 3031
: Lexemes/CPU-Min: 22300
: Memory Used: 120 pages
: Compilation Complete

001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	051	052	053	054	055	056	057	058	059	060	061	062	063	064	065	066	067	068	069	070	071	072	073	074	075	076	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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