

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  RRRRRRRR  EEEEEEEEE  QQQQQQ  UU      UU  EEEEEEEEE  SSSSSSSS
CCCCCCCC  NN      NN  FFFFFFFF  RRRRRRRR  EEEEEEEEE  QQQQQQ  UU      UU  EEEEEEEEE  SSSSSSSS
CC         NN      NN  FF          RR      RR  EE          QQ      QQ  UU      UU  EE          SS
CC         NN      NN  FF          RR      RR  EE          QQ      QQ  UU      UU  EE          SS
CC         NNNN     NN  FF          RR      RR  EE          QQ      QQ  UU      UU  EE          SS
CC         NNNN     NN  FF          RR      RR  EE          QQ      QQ  UU      UU  EE          SS
CC         NN      NN  FFFFFFFF  RRRRRRRR  EEEEEEEEE  QQ      QQ  UU      UU  EEEEEEEEE  SSSSSS
CC         NN      NN  FFFFFFFF  RRRRRRRR  EEEEEEEEE  QQ      QQ  UU      UU  EEEEEEEEE  SSSSSS
CC         NN      NN  FF          RR      RR  EE          QQ      QQ  UU      UU  EE          SS
CC         NN      NN  FF          RR      RR  EE          QQ      QQ  UU      UU  EE          SS
CC         NN      NN  FF          RR      RR  EE          QQ      QQ  UU      UU  EE          SS
CC         NN      NN  FF          RR      RR  EE          QQ      QQ  UU      UU  EE          SS
CCCCCCCC  NN      NN  FF          RR      RR  EEEEEEEEE  QQQQ  QQ  UUUUUUUUU  EEEEEEEEE  SSSSSSSS
CCCCCCCC  NN      NN  FF          RR      RR  EEEEEEEEE  QQQQ  QQ  UUUUUUUUU  EEEEEEEEE  SSSSSSSS

```

```

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 CNFREQUES
3 0003 0
4 0004 0 LANGUAGE (BLISS32),
5 0005 0 IDENT = 'V04-000'
6 0006 1 BEGIN
7 0007 1
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 process incoming requests
39 0039 1 by parsing them and dispatching to the appropriate routines.
40 0040 1
41 0041 1 ENVIRONMENT: VAX/VMS Operating System
42 0042 1
43 0043 1 AUTHOR: Bob Grosso, CREATION DATE: 13-Oct-1982
44 0044 1
45 0045 1 MODIFIED BY:
46 0046 1
47 0047 1 V03-002 RPG0002 Bob Grosso 16-May-1983
48 0048 1 Correct the arguement list to a call to Signal.
49 0049 1
50 0050 1 V03-001 RPG0001 Bob Grosso 02-May-1983
51 0051 1 Check state of UNA.
52 0052 1 --

```

```

54 0053 1 %SBTTL 'Definitions'
55 0054 1
56 0055 1
57 0056 1 : INCLUDE FILES:
58 0057 1 :
59 0058 1
60 0059 1 LIBRARY 'SYS$LIBRARY:STARLET';           ! VMS common definitions
61 0060 1
62 0061 1 LIBRARY 'SHRLIB$:NET';                   ! Network definitions
63 0062 1
64 0063 1 LIBRARY 'SHRLIB$:NMALIBRY';              ! NICE code definitions
65 0064 1
66 0065 1 REQUIRE 'LIB$:CNFDEF.R32';
67 0156 1
68 0157 1 REQUIRE 'SRCS:CNFPREFIX.REG';
69 0254 1
70 0255 1
71 0256 1
72 0257 1 : BUILTIN functions
73 0258 1 :
74 0259 1
75 0260 1 BUILTIN
76 0261 1     INSQUE,                               ! INSQUE instruction
77 0262 1     REMQUE;                               ! REMQUE instruction
78 0263 1
79 0264 1
80 0265 1
81 0266 1 : TABLE OF CONTENTS:
82 0267 1 :
83 0268 1
84 0269 1 FORWARD ROUTINE
85 0270 1
86 0271 1     CNF$PROCESS REQUEST : NOVALUE,         ! Jacket routine for Process_request
87 0272 1     PROCESS REQUEST,                     ! Parse NICE and dispatch
88 0273 1     CNF ENABLE SURVEILLANCE,             ! Jacket routine for enable surveillance
89 0274 1     ENABLE SURVEILLANCE,                 ! Set-up to prepare for setting surveillance
90 0275 1     SURVEIL,                             ! Begin surveillance of a circuit
91 0276 1     CNF$LOCATE CIR BLK,                   ! Match an ASCII circuit name with a CIR control block
92 0277 1     CNF DISABLE SURVEILLANCE,           ! Jacket routine for disable surveillance
93 0278 1     DISABLE SURVEILLANCE,               ! set-up to prepare to discontinue circuit surveillance
94 0279 1     CNF$DISABLE_SURVEIL;                 ! disabled surveillance of a circuit
95 0280 1
96 0281 1
97 0282 1
98 0283 1
99 0284 1 : EXTERNAL REFERENCES:
100 0285 1 :
101 0286 1
102 0287 1 EXTERNAL ROUTINE
103 0288 1
104 0289 1
105 0290 1 : Module CNFMAIN
106 0291 1     CNF$EXIT,                               ! Clean up and exit
107 0292 1     CNF$TRACE,                           ! Log messages to log file
108 0293 1     CNF$LOG_DATA,                         ! Log messages to log file
109 0294 1     CNF$GET_ZVM,                           ! Get zeroed virtual memory
110 0295 1     CNF$FREE_VM,                             ! Free virtual memory

```

```

111 0296 1
112 0297 1 ! Module CNFSTORE
113 0298 1
114 0299 1 CNF$READ_SYSIDM, ! Issue QIO to listen on the NI
115 0300 1
116 0301 1 ! Module CNFSHOW
117 0302 1
118 0303 1 CNF$PROCESS_SHOW, ! Show Circuit and system IDs
119 0304 1
120 0305 1 ! Module CNFSEND
121 0306 1
122 0307 1 CNF$BUFR_NICE_MSG,
123 0308 1 CNF$BUFR_ERR_MSG,
124 0309 1 CNF$SEND_NICE_MSG,
125 0310 1
126 0311 1 ! Module CNFWORKQ
127 0312 1
128 0313 1 WKQ$ADD_WORK_ITEM; ! Add work to work queue
129 0314 1
130 0315 1 EXTERNAL ROUTINE
131 0316 1
132 0317 1 STR$COMPARE : ADDRESSING_MODE (GENERAL);
133 0318 1
134 0319 1
135 0320 1 EXTERNAL LITERAL
136 0321 1
137 0322 1 CNF$_CHAN, ! Error assigning or deassigning channel
138 0323 1 CNF$_DRVRSTRT, ! Error while issuing startup command to driver
139 0324 1 CNF$_LOGIC, ! Program logic error or unexpected condition
140 0325 1
141 0326 1 ! From CNFSTORE
142 0327 1 SYSIDM_BUFSIZ,
143 0328 1 ADRTYP_BUFSIZ,
144 0329 1
145 0330 1 CNF$C_SYNCH_EFN,
146 0331 1 CNF$C_ASYNC_R_EFN;
147 0332 1
148 0333 1
149 0334 1 EXTERNAL
150 0335 1
151 0336 1 CNF$B_SURVEILLANCE SET, ! Boolean: mark if anything is under surveillance
152 0337 1 CNF$W_NETCHAN : WORD, ! Channel opened to network
153 0338 1 CNF$G_CIRSURLST : VECTOR [2]; ! List of circuit under surveillance
154 0339 1
155 0340 1 OWN
156 0341 1 SUCCESS NICE_DSC :
157 0342 1 BBLOCK [DSC$C_S_BLN] INITIAL
158 0343 1 (
159 0344 1 4,
160 0345 1 UPLIT (
161 0346 1 BYTE (XX'01'),
162 0347 1 WORD (XX'FFFF'),
163 0348 1 BYTE (XX'00')
164 0349 1 )
165 0350 1 );

```

```

167 0351 1 %SBTTL 'cnf$process_request'
168 0352 1 GLOBAL ROUTINE CNF$PROCESS_REQUEST (IRB) : NOVALUE =
169 0353 1
170 0354 1 +-
171 0355 1 FUNCTIONAL DESCRIPTION:
172 0356 1
173 0357 1 This routine is executed off the work queue.
174 0358 1 Parse the NICE message to determine the type of operation,
175 0359 1 and the circuits to be affected. Dispatch to appropriate
176 0360 1 routine if entire message is correct.
177 0361 1
178 0362 1 FORMAL PARAMETERS:
179 0363 1
180 0364 1 irb Interrupt request block, contains all the info for a connection
181 0365 1 to NICONFIG. The IRB contains the NICE command which will
182 0366 1 be parsed.
183 0367 1
184 0368 1 IMPLICIT INPUTS:
185 0369 1 NONE
186 0370 1
187 0371 1 IMPLICIT OUTPUTS:
188 0372 1 NONE
189 0373 1
190 0374 1 ROUTINE VALUE:
191 0375 1 COMPLETION CODES:
192 0376 1 Success
193 0377 1
194 0378 1 SIDE EFFECTS:
195 0379 1 NONE
196 0380 1
197 0381 1 --
198 0382 1
199 0383 2 BEGIN
200 0384 2 LOCAL
201 0385 2 CIRCUIT_DSC : BBLOCK [DSC$C_S_BLN], ! Allocate circuit name descriptor here, whether it will be
202 0386 2 ! or not, it makes book keeping much simpler.
203 0387 2 STATUS;
204 0388 2
205 0389 2 CN$FILL (0, DSC$C_S_BLN, CIRCUIT_DSC); ! Zero the descriptor
206 0390 2 STATUS = PROCESS_REQUEST (.IRB, CIRCUIT_DSC); ! Parse and act upon the command
207 0391 2 IF NOT .STATUS ! If unsuccessful, buffer an error message for retur
208 0392 2 THEN
209 0393 2 CNF$BUFR_ERR_MSG (.IRB, NMA$C_STS_RES, 0, .STATUS, 0);
210 0394 2
211 0395 2 CNF$SEND_NICE_MSG (.IRB); ! Issue QIO's to send NICE messages buffered
212 0396 2
213 0397 2 IF .CIRCUIT_DSC [DSC$W_LENGTH] NEQ 0 ! If a buffer was allocated to the descriptor, retur
214 0398 2 THEN
215 0399 2 CNF$FREE_VM (CIRCUIT_DSC [DSC$W_LENGTH], CIRCUIT_DSC [DSC$A_POINTER]);
216 0400 2
217 0401 2 RETURN TRUE; ! Always return success, errors are sent via QIO bac
218 0402 1 END; ! Routine cnf$process_request

```

.TITLE CNFREQUES DECnet Ethernet Configurator Module
.IDENT \V04-000\

						.PSECT \$SPLITS,NOWRT,NOEXE,2		
				01	00000	P.AAA:	.BYTE	1
				FFF	00001		.WORD	-1
				00	00003		.BYTE	0
								:
								:
						.PSECT \$OWNS,NOEXE,2		
				00000004	00000	SUCCESS_NICE_DSC:		
							.LONG	4
				00000000'	00004		.ADDRESS	P.AAA
								:
								:
						.EXTRN	CNF\$EXIT, CNF\$TRACE	
						.EXTRN	CNF\$LOG_DATA, CNF\$GET_ZVM	
						.EXTRN	CNF\$FREE_VM, CNF\$READ_SYSIDM	
						.EXTRN	CNF\$PROCESS_SHOW	
						.EXTRN	CNF\$BUFR_NICE_MSG	
						.EXTRN	CNF\$BUFR_ERR_MSG	
						.EXTRN	CNF\$SEND_NICE_MSG	
						.EXTRN	WKQ\$ADD_WORK_ITEM	
						.EXTRN	STR\$COMPARE, CNF\$CHAN	
						.EXTRN	CNF\$DRVSTRT, CNF\$LOGIC	
						.EXTRN	SYSIDM_BUFSIZ, ADRTYP_BUFSIZ	
						.EXTRN	CNF\$C_SYNCN_EFN	
						.EXTRN	CNF\$C_ASYNCN_EFN	
						.EXTRN	CNF\$B_SURVEILLANCE_SET	
						.EXTRN	CNF\$W_NETCHAN, CNF\$GQ_CIRSURLST	
								:
						.PSECT \$CODE\$,NOWRT,2		
								:
						.ENTRY	CNF\$PROCESS_REQUEST, Save R2,R3,R4,R5	0352
						SUBL2	#8, SP	:
						MOVCS	#0, (SP), #0, #8, CIRCUIT_DSC	0389
								:
								:
						PUSHL	SP	0390
						PUSHL	IRB	:
						CALLS	#2, PROCESS_REQUEST	:
						BLBS	STATUS, 1\$	0391
						CLRL	-(SP)	0393
						PUSHL	STATUS	:
						CLRL	-(SP)	:
						MNEGL	#15, -(SP)	:
						PUSHL	IRB	:
						CALLS	#5, CNF\$BUFR_ERR_MSG	0395
						PUSHL	IRB	:
						CALLS	#1, CNF\$SEND_NICE_MSG	0397
						TSTW	CIRCUIT_DSC	0397
						BEQL	2\$:
						PUSHAB	CIRCUIT_DSC+4	0399
						PUSHAB	CIRCUIT_DSC	:
						CALLS	#2, CNF\$FREE_VM	0402
						RET		:

; Routine Size: 65 bytes, Routine Base: \$CODE\$ + 0000

```

220 0403 1 %SBTTL 'process_request'
221 0404 1 ROUTINE PROCESS_REQUEST (IRB, CIRNAM_DSC) =
222 0405 1
223 0406 1 +-+
224 0407 1
225 0408 1 This routine is called by CNF$PROCESS_REQUEST which is
226 0409 1 executed off the work queue.
227 0410 1 Parse the NICE message to determine the type of operation,
228 0411 1 and the circuits to be affected. Dispatch to appropriate
229 0412 1 routine if entire message is correct.
230 0413 1
231 0414 1
232 0415 1 irb Interrupt request block, contains all the info for
233 0416 1 a connection to NICONFIG. The IRB contains the
234 0417 1 NICE command which will be parsed.
235 0418 1
236 0419 1 cirnam_dsc Descriptor for storing of circuit name if one is
237 0420 1 specified in command.
238 0421 1
239 0422 1 --
240 0423 1
241 0424 2 BEGIN
242 0425 2 MAP
243 0426 2 CIRNAM_DSC : REF BBLOCK [DSC$C_S_BLN],
244 0427 2 IRB : REF BBLOCK; ! Interrupt request block
245 0428 2
246 0429 2 LOCAL
247 0430 2 KNOWN, ! Was KNOWN CIRCUITS present in command
248 0431 2 NICE : REF BBLOCK, ! Pointer into NICE command
249 0432 2 FUNCTION : BBLOCK [1],
250 0433 2 OPTION : BBLOCK [1],
251 0434 2 PROCESSING_SHOW, ! Boolean, true = SHOW, false = SET
252 0435 2 SHOW_INFO, ! Coded for CHAR, SUMMARY or STATUS
253 0436 2 LEN_REMAINING,
254 0437 2 NICE_SURVEILLANCE : REF BBLOCK; ! Locate section of NICE command
255 0438 2 ! containing the SURVEILLANCE parameter
256 0439 2
257 0440 2 BIND
258 0441 2 CONF = UPLIT (%ASCIC 'CONFIGURATOR') : VECTOR [,BYTE];
259 0442 2
260 0443 2 CNF$TRACE (DBG$C_TRACE, $DESCRIPTOR('TRACE'),
261 0444 2 $DESCRIPTOR ('process_request'));
262 0445 2
263 0446 2 NICE = IRB [IRB$T_REQUEST]; ! Beginning of NICE command
264 0447 2
265 0448 2 IF .IRB [IRB$W_IOSB1] ! The size of the NICE message was returned in the IOSB
266 0449 2 LSS 18 ! NICE message too short to contain
267 0450 2 THEN ! function, option, and "CONFIGURATOR", and Circuit
268 0451 2 BEGIN
269 0452 2 CNF$BUFR ERR_MSG (.IRB, NMASC_STS_INV, 0, 0, 0);
270 0453 2 RETURN TRUE;
271 0454 2 END;
272 0455 2
273 0456 2
274 0457 2 An Acceptable NICE message must conform with the following
275 0458 2
276 0459 2 Byte 1 Function byte, accept either CHANGE or READ

```



```

277 0460 2 | Byte 2      Option Byte,
278 0461 2 |           bits 0-2 contain the entity type. Accept only MODULE
279 0462 2 |           For Function READ
280 0463 2 |           bits 4-6 indicate summary/status/characteristics
281 0464 2 |           For Function CHANGE
282 0465 2 |           bit 6 indicates whether set/define or clear/purge
283 0466 2 |           bit 7 indicates whether permanent or volatile,
284 0467 2 |           accept only volatile
285 0468 2 | Bytes 3-17  Module name ASCII string, "CONFIGURATOR"
286 0469 2 | Bytes 18,19 Code for circuit
287 0470 2 | Byte 20     Code for Known, or count for circuit name
288 0471 2 | Bytes 21-22 or Next two bytes after circuit name:
289 0472 2 |           code for surveillance
290 0473 2 | Next byte   surveillance code, 0-Enabled, 1-Disabled
291 0474 2 |
292 0475 2 |
293 0476 2 |
294 0477 2 | Check the specified option and accept only SET or SHOW
295 0478 2 |
296 0479 2 | FUNCTION = .NICE [0,0,8,0];
297 0480 2 | OPTION = .NICE [0,8,8,0];
298 0481 2 |
299 0482 2 | IF .OPTION [NMA$V_OPT_PER]           ! There is no permanent data base so
300 0483 2 | THEN                                 ! DEFINE, LIST or PURGE not permitted
301 0484 2 | BEGIN
302 0485 2 |   CNF$BUFR ERR_MSG (.IRB, NMA$C_STS_FUN, 0, 0, 0);
303 0486 2 |   RETURN TRUE;
304 0487 2 | END;
305 0488 2 |
306 0489 2 | IF .FUNCTION EQL NMA$C_FNC_CHA       ! If function is CHANGE, accept only SET
307 0490 2 | THEN
308 0491 2 | BEGIN
309 0492 2 |   IF .OPTION [NMA$V_OPT_CLE]
310 0493 2 |   THEN
311 0494 2 |   BEGIN                               ! CLEAR not permitted
312 0495 2 |   CNF$BUFR ERR_MSG (.IRB, NMA$C_STS_FUN, 0, 0, 0);
313 0496 2 |   RETURN TRUE;
314 0497 2 |   END;
315 0498 2 |
316 0499 2 |   PROCESSING_SHOW = FALSE;           ! Must be a SET
317 0500 2 |   END
318 0501 2 | ELSE
319 0502 2 | BEGIN
320 0503 2 |   IF .FUNCTION EQL NMA$C_FNC_REA
321 0504 2 |   THEN
322 0505 2 |   BEGIN
323 0506 2 |   PROCESSING_SHOW = TRUE;           ! It's a SHOW
324 0507 2 |   SHOW_INFO = .OPTION [NMA$V_OPT_INF]; ! Characteristics, Summary or Status
325 0508 2 |   END
326 0509 2 |   ELSE                               ! Only accept SET or SHOW
327 0510 2 |   BEGIN
328 0511 2 |   CNF$BUFR ERR_MSG (.IRB, NMA$C_STS_FUN, 0, 0, 0);
329 0512 2 |   RETURN TRUE;
330 0513 2 |   END;
331 0514 2 | END;
332 0515 2 |
333 0516 2 |

```

```

334 0517 2 | Ensure that MODULE CONFIGURATOR was specified
335 0518 2 |
336 0519 2 | IF .OPTION [NMA$V_OPT_ENT] NEQ NMA$C_ENT_MOD
337 0520 2 | THEN
338 0521 2 |     BEGIN
339 0522 2 |     CNF$BUFR ERR_MSG (.IRB, NMA$C_STS_FUN, 0, 0, 0);
340 0523 2 |     RETURN TRUE;
341 0524 2 |     END;
342 0525 2 |
343 0526 2 | IF NOT CH$EQL (.NICE [0,16,8,0], NICE [0,24,8,0], .CONF [0], CONF [1])
344 0527 2 | THEN
345 0528 2 |     BEGIN
346 0529 2 |     CNF$BUFR ERR_MSG (.IRB, NMA$C_STS_FUN, 0, 0, 0);
347 0530 2 |     RETURN TRUE;
348 0531 2 |     END;
349 0532 2 |
350 0533 2 |
351 0534 2 | Check for CIRCUIT Circuit-name, or for KNOWN CIRCUITS
352 0535 2 |
353 0536 2 |
354 0537 2 | If .NICE [15,0,16,0] NEQ NMA$C_PCCN_CIR
355 0538 2 | THEN
356 0539 2 |     BEGIN
357 0540 2 |     CNF$BUFR ERR_MSG (.IRB, NMA$C_STS_IDE, NMA$C_ENT_CIR, 0, 0);
358 0541 2 |     RETURN TRUE;
359 0542 2 |     END;
360 0543 2 | IF .NICE [16,8,8,1] EQL NMA$C_ENT_KNO
361 0544 2 | THEN                                     ! Known circuits
362 0545 2 |     BEGIN
363 0546 2 |     KNOWN = TRUE;
364 0547 2 |     NICE_SURVEILLANCE = NICE [16,16,8,0];
365 0548 2 |     END
366 0549 2 | ELSE                                     ! Parse and store ASCII circuit name
367 0550 2 |     BEGIN
368 0551 2 |     LOCAL
369 0552 2 |         CIRNAM_LEN,                                     ! Use temp store, so that if CNF$GET_ZVM returns a failure,
370 0553 2 |                                                         ! calling routine won't erroneously attempt to deallocate
371 0554 2 |         CIRCUIT_PTR;
372 0555 2 |
373 0556 2 |     KNOWN = FALSE;
374 0557 2 |     CIRNAM_LEN = .NICE [16,8,8,0];
375 0558 2 |     EXECUTE (
376 0559 2 |         CNF$GET_ZVM ( CIRNAM_LEN, CIRNAM_DSC [DSC$A_POINTER] ) );
377 0560 2 |     CIRNAM_DSC [DSC$W_LENGTH] = .CIRNAM_LEN;
378 0561 2 |     CIRCUIT_PTR = NICE [16,16,8,0];
379 0562 2 |
380 0563 2 |
381 0564 2 |     !
382 0565 2 |     ! Check the length of the circuit name and ensure that it does
383 0566 2 |     ! not extend past the end of the NICE message.
384 0567 2 |     !
385 0568 2 |     !
386 0569 2 |     ! Address of circuit minus start of NICE gives length of NIC
387 0570 2 |     ! plus length of circuit name gives length of NICE message u
388 0571 2 |     ! Does circuit name extend off end of NICE message?
389 0572 2 |     THEN
390 0573 2 |         BEGIN
390 0573 2 |         CNF$BUFR ERR_MSG (.IRB, NMA$C_STS_IDE, NMA$C_ENT_CIR, 0, 0);
390 0573 2 |         RETURN TRUE;

```

```

391 0574      END;
392 0575
393 0576      CH$MOVE ( .CIRNAM_DSC [DSC$W_LENGTH], .CIRCUIT_PTR, .CIRNAM_DSC [DSC$A_POINTER]);
394 0577
395 0578
396 0579      !
397 0580      ! Surveillance code and value follows after circuit name
398 0581      !
399 0582      NICE_SURVEILLANCE = .CIRCUIT_PTR + .CIRNAM_DSC [DSC$W_LENGTH];
400 0583      END;
401 0584
402 0585      !
403 0586      ! Compute length of remaining unparsed NICE message.
404 0587
405 0588      LEN_REMAINING = .IRB [IRB$W_IOSB1] - (.NICE_SURVEILLANCE - .NICE);
406 0589
407 0590      !
408 0591      ! If SHOW then check that nothing is left unprocessed
409 0592
410 0593      IF .PROCESSING_SHOW
411 0594      THEN
412 0595      BEGIN
413 0596      IF .LEN_REMAINING NEQ 0
414 0597      THEN
415 0598      BEGIN
416 0599      CNF$BUFR ERR_MSG (.IRB, NMASC_STS_SIZ, 0, 0, 0);
417 0600      RETURN TRUE;
418 0601      END
419 0602      ELSE
420 0603      EXECUTE (CNF$PROCESS_SHOW (.IRB, .KNOWN, .CIRNAM_DSC, .SHOW_INFO));
421 0604      END
422 0605      ELSE
423 0606
424 0607      !
425 0608      ! For SET, check for SURVEILLANCE TYPE (enabled = 0, disabled = 1)
426 0609      ! and dispatch to either enable or disable surveillance.
427 0610
428 0611      BEGIN
429 0612      IF .LEN_REMAINING NEQ 0
430 0613      THEN
431 0614      BEGIN
432 0615      IF .LEN_REMAINING NEQ 3
433 0616      THEN
434 0617      BEGIN
435 0618      CNF$BUFR ERR_MSG (.IRB, NMASC_STS_PMS, NMASC_PCCN_SUR, 0, 0);
436 0619      RETURN TRUE;
437 0620      END;
438 0621      IF .NICE_SURVEILLANCE [0,0,16,0] NEQ NMASC_PCCN_SUR
439 0622      THEN
440 0623      BEGIN
441 0624      CNF$BUFR ERR_MSG (.IRB, NMASC_STS_PMS, NMASC_PCCN_SUR, 0, 0);
442 0625      RETURN TRUE;
443 0626      END;
444 0627
445 0628      IF .NICE_SURVEILLANCE [0,16,8,0] EQL NMASC_SUR_ENA
446 0629      THEN
447 0630      EXECUTE (CNF_ENABLE_SURVEILLANCE (.IRB, .KNOWN, .CIRNAM_DSC))

```

```

: 448 0631 4 ELSE
: 449 0632 4 EXECUTE (CNF_DISABLE_SURVEILLANCE (.IRB, .KNOWN, .CIRNAM_DSC));
: 450 0633 4 END
: 451 0634 3 ELSE ! Default to setting surveillance enabled
: 452 0635 3 EXECUTE (CNF_ENABLE_SURVEILLANCE (.IRB, .KNOWN, .CIRNAM_DSC));
: 453 0636 3 END:
: 454 0637 2 RETURN TRUE;
: 455 0638 2 END;
: 456 0639 1 ! Routine process_request

```

```

.PSECT $PLITS$,NOWRT,NOEXE,2
00 00 52 4F 54 41 52 55 47 49 46 4E 4F 43 0C 00004 P.AAB: .ASCII <12>\CONFIGURATOR\<0><0><0>
: 00013
: 45 43 41 52 54 00014 P.AAD: .ASCII \TRACE\
: 00019
: 00000005 0001C P.AAC: .BLKB 3
: 00000000' 00020 .LONG 5
: 74 73 65 75 71 65 72 5F 73 73 65 63 6F 72 70 00024 P.AAF: .ADDRESS P.AAD
: 00033 .ASCII \process_request\
: 0000000F 00034 P.AAE: .BLKB 1
: 00000000' 00038 .LONG 15
: .ADDRESS P.AAF
CONF= P.AAB

```

```

.PSECT $CODE$,NOWRT,2
OFFC 0000 PROCESS_REQUEST:
: 0404 .WORD Save R2,R3,R4,R5,R6,R7,R8,R9,R10,R11
5E 08 C2 00002 SUBL2 #8, SP
: 0444 0000' CF 9F 00005 PUSHAB P.AAE
: 0443 0000' CF 9F 00009 PUSHAB P.AAC
: 01 DD 0000D PUSHL #1
0000G CF 03 FB 0000F CALLS #3, CNF$TRACE
58 04 AC D0 00014 MOVL IRB, R8
: 0446 56 65 AB 9E 00018 MOVAB 101(R8), NICE
: 0449 12 0E AB B1 0001C CMPW 14(R8), #18
: 09 18 00020 BGEQ 1$
7E 7C 00022 CLRQ -(SP)
: 0452 7E D4 00024 CLRL -(SP)
7E 02 CE 00026 MNEGL #2, -(SP)
45 11 00029 BRB 5$
53 66 90 0002B 1$: MOVB (NICE), FUNCTION
: 0479 52 01 A6 90 0002E MOVB 1(NICE), OPTION
: 0480 35 19 00032 BLSS 4$
: 0482 13 53 91 00034 CMPB FUNCTION, #19
: 0489 08 12 00037 BNEQ 2$
2C 52 06 E0 00039 BBS #6, OPTION, 4$
: 0492 5B D4 0003D CLRL PROCESSING_SHOW
: 0499 0D 11 0003F BRB 3$
: 0489 14 53 91 00041 2$: CMPB FUNCTION, #20
: 0503 23 12 00044 BNEQ 4$
58 01 D0 00046 MOVL #1, PROCESSING_SHOW
: 0506 6E 52 03 04 EF 00049 EXTZV #4, #3, OPTION, SHOW_INFO
: 0507

```

04	52	03	00	ED	0004E	3\$:	CMPZV	#0, #3, OPTION, #4	0519
			14	12	00053		BNEQ	4\$	
			A6	9A	00055		MOVZBL	2(NICE), R1	0526
			51	02	00000		MOVZBL	CONF, R0	
50	00	03	A6	51	2D	0005E	CMPC5	R1, 3(NICE), #0, R0, CONF+1	
				CF	00064				
				09	13	00067	BEQL	6\$	
				7E	7C	00069	4\$:	CLRQ	-(SP)
				7E	D4	0006B		CLRL	-(SP)
				7E	01	CE	0006D	MNEGL	#1, -(SP)
				7C	11	00070	5\$:	BRB	12\$
	0064	8F	0F	A6	B1	00072	6\$:	CMPW	15(NICE), #100
				48	12	00078		BNEQ	9\$
				A6	9E	0007A		MOVAB	18(R6), R3
	FF	8F	11	A6	91	0007E		CMPB	17(NICE), #-1
				08	12	000C3		BNEQ	7\$
				01	D0	00085		MOVL	#1, KNOWN
				53	D0	00088		MOVL	R3, NICE_SURVEILLANCE
				4B	11	0008B		BRB	11\$
				59	D4	0008D	7\$:	CLRL	KNOWN
	04	AE	11	A6	9A	0008F		MOVZBL	17(NICE), CIRNAM_LEN
		52	08	AC	D0	00094		MOVL	CIRNAM_DSC, R2
			04	A2	9F	00098		PUSHAB	4(R2)
			08	AE	9F	0009B		PUSHAB	CIRNAM_LEN
	0000G	CF		02	FB	0009E		CALLS	#2, CNF\$GET_ZVM
		01		50	E8	000A3		BLBS	STATUS, 8\$
				04	000A6		RET		
	08	BC	04	AE	B0	000A7	8\$:	MOVW	CIRNAM_LEN, @CIRNAM_DSC
		57		53	D0	000AC		MOVL	R3, CIRCUIT_PTR
	50	57		56	C3	000AF		SUBL3	NICE, CIRCUIT_PTR, R0
		51	08	BC	3C	000B3		MOVZWL	@CIRNAM_DSC, R1
		50		51	C0	000B7		ADDL2	R1, R0
50	0E	A8		00	EC	000BA		CMPL	#0, #16, 14(R8), R0
		10		09	18	000C0		BGEQ	10\$
				7E	7C	000C2	9\$:	CLRQ	-(SP)
				03	DD	000C4		PUSHL	#3
				7E	09	CE	000C6	MNEGL	#9, -(SP)
				4B	11	000C9		BRB	16\$
	04	B2	08	BC	28	000CB	10\$:	MOV3	@CIRNAM_DSC, (CIRCUIT_PTR), @4(R2)
			08	BC	3C	000D1		MOVZWL	@CIRNAM_DSC, NICE_SURVEILLANCE
				57	C0	000D5		ADDL2	CIRCUIT_PTR, NICE_SURVEILLANCE
				5A	C2	000D8	11\$:	SUBL2	NICE_SURVEILLANCE, R6
				50	A8	000DB		CVTWL	14(R8), LEN_REMAINING
				50	C0	000DF		ADDL2	R6, LEN_REMAINING
				1A	5B	E9	000E2	BLBC	PROCESSING_SHOW, 14\$
					09	13	000E5	BEQL	13\$
				7E	7C	000E7		CLRQ	-(SP)
				7E	D4	000E9		CLRL	-(SP)
				7E	04	CE	000EB	MNEGL	#4, -(SP)
				26	11	000EE	12\$:	BRB	16\$
				6E	DD	000F0	13\$:	PUSHL	SHOW_INFO
			08	AC	DD	000F2		PUSHL	CIRNAM_DSC
				58	7D	000F5		MOVQ	R8, -(SP)
	0000G	7E		04	FB	000F8		CALLS	#4, CNF\$PROLESS_SHOW
		CF		3D	11	000FD		BRB	19\$
				30	13	000FF	14\$:	BEQL	18\$
		03		50	D1	00101		CMPL	LEN_REMAINING, #3

006E	8F		07 12 00104	BNEQ	15\$:	
			6A B1 00106	CMPW	(NICE_SURVEILLANCE), #110	:	0621
			12 13 00108	BEQL	17\$:	
	7E		7E 7C 0010D 15\$:	CLRQ	-(SP)	:	0624
	7E	6E	8F 9A 0010F	MOVZBL	#110, -(SP)	:	
			1D CE 00113	MNEGL	#29, -(SP)	:	
0000G	CF		58 DD 00116 16\$:	PUSHL	R8	:	
			05 FB 00118	CALLS	#5, CNF\$BUFR_ERR_MSG	:	
			20 11 0011D	BRB	20\$:	0625
		02	AA 95 0011F 17\$:	TSTB	2(NICE_SURVEILLANCE)	:	0628
			0D 13 00122	BEQL	18\$:	
		08	AC DD 00124	PUSHL	CIRNAM_DSC	:	0632
	7E		58 7D 00127	MOVQ	R8, -(SP)	:	
0000V	CF		03 FB 0012A	CALLS	#3, CNF_DISABLE_SURVEILLANCE	:	
			0B 11 0012F	BRB	19\$:	
		08	AC DD 00131 18\$:	PUSHL	CIRNAM_DSC	:	0635
	7E		58 7D 00134	MOVQ	R8, -(SP)	:	
0000V	CF		03 FB 00137	CALLS	#3, CNF_ENABLE_SURVEILLANCE	:	
	03		50 E9 0013C 19\$:	BLBC	STATUS, 21\$:	
	50		01 D0 0013F 20\$:	MOVL	#1, R0	:	0638
			04 00142 21\$:	RET		:	0639

; Routine Size: 323 bytes, Routine Base: \$CODE\$ + 0041

```

: 458 0640 1 %SBTTL 'cnf_enable_surveillance '
: 459 0641 1 ROUTINE CNF_ENABLE_SURVEILLANCE (IRB, KNOWN, CIRCUITNAM_DSC) =
: 460 0642 1
: 461 0643 1 !++
: 462 0644 1
: 463 0645 1 Jacket routine to ensure common error recovery and memory
: 464 0646 1 deallocation for the enabling of surveillance logic.
: 465 0647 1
: 466 0648 1 irb Interrupt request block, containing request context
: 467 0649 1
: 468 0650 1 known If true, then set surveillance for all circuits
: 469 0651 1
: 470 0652 1 circuitnam_dsc Descriptor for name of circuit to set surveillance on.
: 471 0653 1
: 472 0654 1 Always return success, any errors are buffered and then sent to
: 473 0655 1 connectee.
: 474 0656 1 !--
: 475 0657 1
: 476 0658 2 BEGIN
: 477 0659 2 LOCAL
: 478 0660 2 CIRCUIT : REF BBLOCK,
: 479 0661 2 STATUS;
: 480 0662 2 MAP
: 481 0663 2 CIRCUITNAM_DSC : REF BBLOCK;
: 482 0664 2
: 483 0665 2 CNF$TRACE (DBG$C_TRACE, $DESCRIPTOR('TRACE'),
: 484 0666 2 $DESCRIPTOR('cnf_enable_surveillance'));
: 485 0667 2
: 486 0668 2 STATUS = ENABLE_SURVEILLANCE (.IRB, .KNOWN, .CIRCUITNAM_DSC);
: 487 0669 2 IF NOT .STATUS
: 488 0670 2 THEN ! buffer up an error response
: 489 0671 2 CNF$BUFR_ERR_MSG (.IRB, NMA$C_STS_MPR, 0, .STATUS)
: 490 0672 2 ELSE ! Buffer up the 'Success' NICE response
: 491 0673 2 CNF$BUFR_NICE_MSG (.IRB, SUCCESS_NICE_DSC, 0);
: 492 0674 2
: 493 0675 2
: 494 0676 2 ! Check to ensure that there is still some ing under surveillance,
: 495 0677 2 ! otherwise, clear flag so that when execution returns to primary loop
: 496 0678 2 ! in CNFMAIN it will terminate.
: 497 0679 2
: 498 0680 2 CNF$B_SURVEILLANCE_SET = FALSE; ! Assume none has been set
: 499 0681 2 CIRCUIT = .CNF$GQ_CIRSURLST; ! first circuit in list
: 500 0682 2 WHILE .CIRCUIT NEQ CNF$GQ_CIRSURLST DO ! For every circuit
: 501 0683 3 BEGIN
: 502 0684 3 IF .CIRCUIT [CIR$B_SURVEIL] EQL NMA$C_SUR_ENA ! If surveillance is enabled
: 503 0685 3 THEN CNF$B_SURVEILLANCE_SET = TRUE; ! Then ensure that image execution will continue
: 504 0686 3 CIRCUIT = .CIRCUIT [CIR$L_LINK]; ! Next circuit in list
: 505 0687 3 END; ! WHILE traversing Circuit linked list
: 506 0688 2
: 507 0689 2 RETURN TRUE;
: 508 0690 1 END; ! Routine cnf_enable_surveillance

```

.PSECT \$SPLITS,NOWRT,NOEXE,2

45 43 41 52 54 0003C P.AAH: .ASCII \TRACE\

76	72	75	73	5F	65	6C	62	61	6E	65	5F	66	6E	63	00041	.BLKB	3	
							65	63	6E	61	6C	6C	69	65	00044	P.AAG:	.LONG	5
															00048	.ADDRESS	P.AAH	
															0004C	P.AAJ:	.ASCII	\cnf_enable_surveillance\
															0005B			
															00063			
															00064	P.AAI:	.BLKB	1
															00068	.LONG	23	
																.ADDRESS	P.AAJ	

.PSECT \$CODE\$,NOWRT,2

```

0000 0000G CNF_ENABLE_SURVEILLANCE:
0000' CF 9F 00002 .WORD Save nothing
0000' CF 9F 00006 PUSHAB P.AAI
01 DD 0000A PUSHAB P.AAG
0000G CF 03 5B 0000C PUSHL #1
7E 08 AC 7D 00011 CALLS #3, CNF$TRACE
04 AC DD 00015 MOVQ KNOWN, -(SP)
0000V CF 03 FB 00018 PUSHL IRB
11 50 E8 0001D CALLS #3, ENABLE_SURVEILLANCE
50 DD 00020 BLBS STATUS, 1$
7E D4 00022 PUSHL STATUS
05 CE 00024 CLRL -(SP)
04 AC DD 00027 MNEGL #5, -(SP)
0000G CF 04 FB 0002A PUSHL IRB
0E 11 0002F CALLS #4, CNF$BUFR_ERR_MSG
7E D4 00031 BRB 2$
0000' CF 9F 00033 CLRL -(SP)
04 AC DD 00037 PUSHAB SUCCESS_NICE_DSC
0000G CF 03 FB 0003A PUSHL IRB
51 0000G CF D4 0003F 2$: CLRL CNF$B_SURVEILLANCE_SET
50 0000G CF D0 00043 2$: MOVQ CNF$GQ_CIRSURLST, CIRCUIT
50 0000G CF 9E 00048 3$: MOVAB CNF$GQ_CIRSURLST, R0
OF 13 00050 CMPL CIRCUIT, R0
0A A1 95 00052 BEQL 5$
05 12 00055 TSTB 10(CIRCUIT)
0000G CF 01 D0 00057 BNEQ 4$
51 61 D0 0005C 4$: MOVL #1, CNF$B_SURVEILLANCE_SET
E7 11 0005F 4$: MOVL (CIRCUIT), CIRCUIT
50 01 D0 00061 5$: BRB 3$
04 00064 5$: MOVL #1, R0
RET

```

; Routine Size: 101 bytes, Routine Base: \$CODE\$ + 0184


```

: 510 0691 1 %SBTTL 'enable_surveillance '
: 511 0692 1 ROUTINE ENABLE_SURVEILLANCE (IRB, KNOWN, CIRCUITNAM_DSC) =
: 512 0693 1
: 513 0694 1 !++
: 514 0695 1
: 515 0696 1 Perform some checking before calling the routine which will
: 516 0697 1 handle the actual establishing of surveillance on a circuit by
: 517 0698 1 first determining if the requested circuit is an NI circuit.
: 518 0699 1 If known was specified, then discover all the NI circuits available.
: 519 0700 1
: 520 0701 1 irb Interrupt request block, containing request context
: 521 0702 1
: 522 0703 1 known If true, then set surveillance for all circuits
: 523 0704 1
: 524 0705 1 circuitnam_dsc Descriptor for name of circuit to set surveillance on.
: 525 0706 1
: 526 0707 1 --
: 527 0708 2 BEGIN
: 528 0709 2 MAP
: 529 0710 2 CIRCUITNAM_DSC : REF BBLOCK;
: 530 0711 2
: 531 0712 2 MACRO
: 532 0713 2 STRINGS_ARE_EQUAL (COMMAND) = NOT (COMMAND)%;
: 533 0714 2
: 534 0715 2 LITERAL
: 535 0716 2 NFB_ARGS = 4,
: 536 0717 2 NFB$C_LENGTH + NFB_ARGS * 4, ! Network function block size
: 537 0718 2 P2BUFSIZ = 4 + NFB$C_CTX_SIZE,
: 538 0719 2 P4BUFSIZ = 512;
: 539 0720 2
: 540 0721 2 LOCAL
: 541 0722 2 CIRNAM_DSC : VECTOR [2],
: 542 0723 2 DEVNAM_DSC : VECTOR [2],
: 543 0724 2 IOSB : BBLOCK [8], ! IO status block
: 544 0725 2 NFB : BBLOCK [NFB$C_LENGTH], ! Network function block
: 545 0726 2 ! with 4 optional field ID longwords
: 546 0727 2 NFB_DESC : VECTOR [2], ! Descriptor of NFB
: 547 0728 2 PTR,
: 548 0729 2 P2BUF_DSC : VECTOR [2], ! Descriptor of P2 buffer
: 549 0730 2 P2BUF : BBLOCK [P2BUFSIZ],
: 550 0731 2 P4BUF_DSC : VECTOR [2], ! Descriptor of P4 buffer
: 551 0732 2 P4BUF : BBLOCK [P4BUFSIZ],
: 552 0733 2 SEARCHING,
: 553 0734 2 STATUS,
: 554 0735 2 STATE, ! Store circuit state
: 555 0736 2 TYPE; ! Store circuit type
: 556 0737 2
: 557 0738 2 CNF$TRACE (DBG$C TRACE, $DESCRIPTOR('TRACE'),
: 558 0739 2 $DESCRIPTOR ('enable_surveillance'));
: 559 0740 2
: 560 0741 2
: 561 0742 2 !
: 562 0743 2 Translate circuit name to physical device name
: 563 0744 2
: 564 0745 2 CH$FILL (0, NFB$C_LENGTH, NFB);
: 565 0746 2
: 566 0747 2 NFB [NFB$C_LENGTH] = NFB$C_FC_SHOW; ! Set function to SHOW

```

```

567 0748 2 NFB [NFBSB_DATABASE] = NFB$C_DB_CRI;          ! Circuit database
568 0749 2 NFB [NFBSB_OPER]    = NFB$C_OP_EQL;          ! Criteria for a match
569 0750 2 NFB [NFBSV_MULT]    = TRUE;
570 0751 2 NFB [NFBSL_SRCH_KEY] = NFB$C_WILDCARD;
571 0752 2 NFB [NFBSL_SRCH2_KEY] = NFB$C_WILDCARD;
572 0753 2 NFB [NFBSB_OPER2]   = NFB$C_OP_EQL;          ! Criteria for a match
573 0754 2 NFB [NFBSL_FLDID]   = NFB$C_CRI_TYP;          ! Circuit type
574 0755 2 NFB [NFBSL_FLDID] + 4 = NFB$C_CRI_STA;          ! Circuit state
575 0756 2 NFB [NFBSL_FLDID] + 8 = NFB$C_CRI_NAM;          ! Circuit name
576 0757 2 NFB [NFBSL_FLDID] + 12 = NFB$C_CRI_VMSNAM;      ! Circuit device name
577 0758
578 0759
579 0760 NFB_DESC [0] = NFB$IZ;          ! Set up descriptor for NFB
580 0761 NFB_DESC [1] = NFB;
581 0762
582 0763 P2BUF_DSC [0] = P2BUFSIZ;
583 0764 P2BUF_DSC [1] = P2BUF;
584 0765 CH$FILL (0, P2BUFSIZ, P2BUF);
585 0766 P4BUF_DSC [0] = P4BUFSIZ;
586 0767 P4BUF_DSC [1] = P4BUF;
587 0768
588 0769 SEARCHING = TRUE;          ! If searching for specific
589 0770                                ! circuit, keep calling NETACP
590 0771
591 0772
592 0773 ! Call the NETACP and get a buffer full of circuit names and
593 0774 ! corresponding devices. Keep calling until it returns
594 0775 ! $$$_ENDOFFILE.
595 0776
596 0777 WHILE .SEARCHING DO
597 0778 BEGIN
598 0779
599 0780 CH$FILL (0, P4BUFSIZ, P4BUF);
600 0781
601 P 0782 STATUS = $QIOW ( FUNC = IOS$ ACPCONTROL, ! Obtain circuit name and circuit device name
602 P 0783 CHAN = .CNF$W NETCHAN, ! Use assigned channel
603 P 0784 EFN = CNF$C SYNCH_EFN, ! Synchronous Event flag number
604 P 0785 IOSB = IOSB,
605 P 0786 P1 = NFB_DESC, ! Network function block
606 P 0787 P2 = P2BUF_DSC, ! Work space
607 0788 P4 = P4BUF_DSC); ! Buffer for return strings
608 0789
609 0790 IF .STATUS
610 0791 THEN ! successful submission
611 0792 STATUS = .IOSB [0,0,16,0]; ! pick up final status
612 0793
613 0794 IF NOT .STATUS
614 0795 THEN
615 0796 BEGIN
616 0797 IF .STATUS EQL $$$_ENDOFFILE
617 0798 THEN
618 0799 BEGIN
619 0800 IF NOT .KNOWN
620 0801 THEN
621 0802 BEGIN ! We were looking for a specific circuit and didn't find it.
622 0803 CNF$BUFR ERR_MSG (.IRB, NMAC$STS_IDE, NMAC$ENT_CIR, 0, CIRCUITNAM_DSC);
623 0804 RETURN TRUE;

```

```

624 0805 5
625 0806 5
626 0807 5
627 0808 4
628 0809 4
629 0810 4
630 0811 4
631 0812 3
632 0813 3
633 0814 3
634 0815 3
635 0816 3
636 0817 3
637 0818 3
638 0819 3
639 0820 3
640 0821 3
641 0822 3
642 0823 4
643 0824 4
644 0825 4
645 0826 4
646 0827 4
647 0828 4
648 0829 4
649 0830 4
650 0831 4
651 0832 4
652 0833 4
653 0834 4
654 0835 4
655 0836 4
656 0837 4
657 0838 4
658 0839 4
659 0840 4
660 0841 4
661 0842 4
662 0843 4
663 0844 4
664 0845 4
665 0846 4
666 0847 5
667 0848 5
668 0849 5
669 0850 4
670 0851 5
671 0852 6
672 0853 5
673 0854 6
674 0855 6
675 0856 6
676 0857 6
677 0858 5
678 0859 4
679 0860 3
680 0861 2

END;
SEARCHING = FALSE; ! That's all she wrote, so quit the loop
EXITLOOP;
END;
SIGNAL (CNF$ LOGIC, 0, .STATUS); ! Otherwise, there was an error we'd better report
RETURN .STATUS;
END;

PTR = P4BUF;

!
! Cycle through circuit names returned in P4 buffer and
! if KNOWN is selection criteria then set surveillance on all NI
! circuit devices otherwise search for the requested circuit
! and set surveillance on it if it is an NI circuit.
!
INCR CIRCUITS FROM 1 TO .P2BUF DO

BEGIN
TYPE = (.PTR) < 0, 32 >;
PTR = .PTR + 4;

STATE = (.PTR) < 0, 32 >; ! Get circuit state
PTR = .PTR + 4;

CIRNAM_DSC [0] = (.PTR) < 0, 16 >; ! Length of circuit name
CIRNAM_DSC [1] = (.PTR) < 16, 8 >; ! Address of start of circuit name

PTR = .PTR + 2 + .CIRNAM_DSC [0];

DEVNAM_DSC [0] = (.PTR) < 0, 16 >; ! Length of circuit name
DEVNAM_DSC [1] = (.PTR) < 16, 8 >; ! Address of start of circuit name

FTR = .PTR + 2 + .DEVNAM_DSC [0];

!
! Only interested in NI circuits with State ON
!
IF .TYPE EQL NMASC_CIRTY_NI AND .STATE EQL NMASC_STATE_ON
THEN
IF .KNOWN
THEN
BEGIN ! Set surveillance on all NI circuits
EXECUTE (SURVEIL (CIRNAM_DSC, DEVNAM_DSC));
END
ELSE
BEGIN ! Looking for a specific circuit
IF STRINGS_ARE_EQUAL (STR$COMPARE (.CIRCUITNAM_DSC, CIRNAM_DSC))
THEN
BEGIN
EXECUTE (SURVEIL (CIRNAM_DSC, DEVNAM_DSC));
SEARCHING = FALSE; ! We got it and can quit now
EXITLOOP;
END;
END;

END; ! while INCRementing through QIO return buffer
END; ! WHILE performing QIOs to NETACP

```

: 681 0862 2
: 682 0863 2 RETURN TRUE;
: 683 0864 1 END;

! Routine enable_surveillance

```

.PSECT $PLITS,NOWRT,NOEXE,2
      45 43 41 52 54 0006C P.AAL: .ASCII \TRACE\
      00071
      00000005 00074 P.AAK: .BLKB 3
      00000000' 00078 P.AAK: .LONG 5
6C 6C 69 65 76 72 75 73 5F 65 6C 62 61 6E 65 0007C P.AAN: .ADDRESS P.AAL
      65 63 6E 61 0008B P.AAN: .ASCII \enable_surveillance\
      0008F
      00000013 00090 P.AAM: .BLKB 1
      00000000' 00094 P.AAM: .LONG 19
      .ADDRESS P.AAN
      .EXTRN SYSSQIOW
.PSECT $CODE$,NOWRT,2
      07FC 00000 ENABLE_SURVEILLANCE:
      .WORD Save R2,R3,R4,R5,R6,R7,R8,R9,R10
      5E FD6C CE 9E 00002 MOVAB -660(SP), SP
      0000' CF 9F 00007 PUSHAB P.AAM
      0000' CF 9F 00008 PUSHAB P.AAK
      01 DD 0000F PUSHL #1
      0000G CF 03 FB 00011 CALLS #3, CNF$TRACE
      20 00 6E 00 2C 00016 MOVCS #0, (SP), #0, #32, NFB
      C8 AD 0001B
      C8 AD 22 90 0001D MOVB #34, NFB
      CA AD 04 B0 00021 MOVW #4, NFB+2
      C9 AD 02 88 00025 BISB2 #2, NFB+1
      CC AD 01 D0 00029 MOVL #1, NFB+4
      D8 AD 04010020 8F D0 0002D MOVL #67174432, NFB+16
      DC AD 04010013 8F D0 00035 MOVL #67174419, NFB+20
      E0 AD 04020041 8F D0 0003D MOVL #67240001, NFB+24
      E4 AD 04020042 8F D0 00045 MOVL #67240002, NFB+28
      C0 AD 20 D0 0004D MOVL #32, NFB_DESC
      C4 AD C8 AD 9E 00051 MOVAB NFB, NFB_DESC+4
      B8 AD 44 8F 9A 00056 MOVZBL #68, P2BUF DSC
      BC AD FF74 CD 9E 0005B MOVAB P2BUF, P2BUF_DSC+4
      0044 8F 00 6E 00 2C 00061 MOVCS #0, (SP), #0, #68, P2BUF
      FF74 CD 00068
      FF6C CD 0200 8F 3C 0006B MOVZWL #512, P4BUF DSC
      FF70 CD 6E 9E 00072 MOVAB P4BUF, P4BUF_DSC+4
      58 01 D0 00077 MOVL #1, SEARCHING
      0200 8F 00 5E 58 E9 0007A 1$: BLBC SEARCHING, 4$
      6E 00 2C 0007D MOVCS #0, (SP), #0, #512, P4BUF
      6E 00084
      7E 7C 00085 CLRQ -(SP)
      FF6C CD 9F 00087 PUSHAB P4BUF_DSC
      7E 7C 0008B CLRL -(SP)
      B8 AD 9F 0008D PUSHAB P2BUF DSC
      C0 AD 9F 00090 PUSHAB NFB_DESC
      7E 7C 00093 CLRQ -(SP)

```

		E8	AD	9F	00095	PUSHAB	IOSB			
			38	DD	00098	PUSHL	#56			
	7E	0000G	CF	3C	0009A	MOVZWL	CNFSW NETCHAN, -(SP)			
		00000000G	8F	DD	0009F	PUSHL	#CNFSC SYNCH EFN			
00000000G	00		0C	FB	000A5	CALLS	#12, SYSSQIOQ			
	57		50	DD	000AC	MOVL	R0, STATUS			
	07		57	E9	000AF	BLBC	STATUS, 2\$		0790	
	57		E8	AD	3C	000B2	MOVZWL	IOSB, STATUS	0792	
	3A		57	E8	000B6	BLBS	STATUS, 6\$		0794	
00000870	8F		57	D1	000B9	2\$:	CMPL	STATUS, #2160	0797	
			1C	12	000C0	BNEQ	5\$			
	13		08	AC	E8	000C2	BLBS	KNOWN, 3\$	0800	
			0C	AC	9F	000C6	PUSHAB	CIRCUITNAM_DSC	0803	
	7E		03	7D	000C9	MOVQ	#3, -(SP)			
	7E		09	CE	000CC	MNEGL	#9, -(SP)			
			04	AC	DD	000CF	PUSHL	IRB		
0000G	CF		05	FB	000D2	CALLS	#5, CNF\$BUFR_ERR_MSG			
			02	11	000D7	BRB	4\$		0804	
			58	D4	000D9	3\$:	CLRL	SEARCHING	0806	
			008A	31	000DB	4\$:	BRW	11\$	0799	
			57	DD	000DE	5\$:	PUSHL	STATUS	0809	
			7E	D4	000E0	CLRL	-(SP)			
00000000G	00	00000000G	8F	DD	000E2	PUSHL	#CNF\$ LOGIC			
	50		03	FB	000E8	CALLS	#3, LIB\$SIGNAL			
			57	DD	000EF	MOVL	STATUS, R0		0810	
				04	000F2	RET				
	56		6E	9E	000F3	6\$:	MOVAB	P4BUF, PTR	0813	
			52	D4	000F6	CLRL	CIRCUITS		0821	
			65	11	000F8	BRB	9\$			
	59		86	7D	000FA	7\$:	MOVQ	(PTR)+, TYPE	0824	
F8	AD		66	3C	000FD	MOVZWL	(PTR), CIRNAM_DSC		0830	
50	FC		AD	9E	00101	MOVAB	2(R6), CIRNAM_DSC+4		0831	
	56		F8	AD	C1	00106	ADDL3	CIRNAM_DSC, PTR, R0	0833	
	56		02	A0	9E	0010B	MOVAB	2(R0), PTR		
	F0		AD	66	3C	0010F	MOVZWL	(PTR), DEVNAM_DSC	0835	
50	F4		AD	9E	00113	MOVAB	2(R6), DEVNAM_DSC+4		0836	
	56		F0	AD	C1	00118	ADDL3	DEVNAM_DSC, PTR, R0	0838	
	56		02	A0	9E	0011D	MOVAB	2(R0), PTR		
	06		59	D1	00121	CMPL	TYPE, #6		0843	
			39	12	00124	BNEQ	9\$			
			5A	D5	00126	TSTL	STATE			
			35	12	00128	BNEQ	9\$			
	0F		08	AC	E9	0012A	BLBC	KNOWN, 8\$	0845	
			F0	AD	9F	0012C	PUSHAB	DEVNAM_DSC	0848	
			F8	AD	9F	00131	PUSHAB	CIRNAM_DSC		
0000V	CF		02	FB	00134	CALLS	#2, SURVEIL			
	23		50	E8	00139	BLBS	STATUS, 9\$			
				04	0013C	RET				
			F8	AD	9F	0013D	8\$:	PUSHAB	CIRNAM_DSC	0852
			0C	AC	DD	00140	PUSHL	CIRCUITNAM_DSC		
00000000G	00		02	FB	00143	CALLS	#2, STR\$COMPARE			
	12		50	E8	0014A	BLBS	R0, 9\$			
			F0	AD	9F	0014D	PUSHAB	DEVNAM_DSC	0855	
			F8	AD	9F	00150	PUSHAB	CIRNAM_DSC		
0000V	CF		02	FB	00153	CALLS	#2, SURVEIL			
	10		50	E9	00158	BLBC	STATUS, 12\$			
			58	D4	0015B	CLRL	SEARCHING		0856	

CNFREQUES
V04-000

DECnet Ethernet Configurator Module
enable_surveillance

L 15
16-Sep-1984 02:04:29 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:49:52 [NICNF.SRC]CNFREQUES.B32;1

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(6)

95	52	FF74	06 11 0015D	BRB	10\$	
			CD F3 0015F 9\$:	AOBLEQ	P2BUF, CIRCUITS, 7\$: 0854
	50		FF12 31 00165 10\$:	BRW	1\$: 0821
			01 D0 00168 11\$:	MOVL	#1, R0	: 0777
			04 0016B 12\$:	RET		: 0863
						: 0864

; Routine Size: 364 bytes, Routine Base: \$CODE\$ + 01E9

CM
VC

```

: 685 0865 1 %SBTTL 'surveil Begin surveillance of circuit'
: 686 0866 1 ROUTINE SURVEIL (CIRNAM_DSC, DEVNAM_DSC) =
: 687 0867 1
: 688 0868 1 !++
: 689 0869 1
: 690 0870 1 This is the routine that actually initiates surveillance of a circuit.
: 691 0871 1 Place circuit name and device in circuit list and initiate surveillance.
: 692 0872 1
: 693 0873 1 cirnam_dsc For checking if this circuit is already in our list
: 694 0874 1 of circuits that we know about.
: 695 0875 1
: 696 0876 1 devnam_dsc Physical device name corresponding to the circuit
: 697 0877 1 for communicating with the driver.
: 698 0878 1
: 699 0879 1 --
: 700 0880 1
: 701 0881 2 BEGIN
: 702 0882 2 LOCAL
: 703 0883 2 CIR : REF BBLOCK,
: 704 0884 2 P2_DESC : BBLOCK [DSC$C_S_BLN],
: 705 0885 2 STATUS;
: 706 0886 2
: 707 0887 2 LITERAL
: 708 0888 2 P2BUFLen = 72,
: 709 0889 2 REMOTE_CONSOLE_PROTOCOL = %X'260';
: 710 0890 2
: 711 0891 2 OWN
: 712 0892 2 :
: 713 0893 2 P2 buffer for talking with the device driver
: 714 0894 2 :
: 715 0895 2 P2BUF : BBLOCK [P2BUFLen]
: 716 0896 2 INITIAL (
: 717 0897 2 WORD (NMASC_PCLI_BUS), 64,
: 718 0898 2 WORD (NMASC_PCLI_BFN), 1,
: 719 0899 2 WORD (NMASC_PCLI_PRM), NMASC_STATE_OFF,
: 720 0900 2 WORD (NMASC_PCLI_MLT), NMASC_STATE_OFF,
: 721 0901 2 WORD (NMASC_PCLI_DCH), NMASC_STATE_OFF,
: 722 0902 2 WORD (NMASC_PCLI_CRC), NMASC_STATE_ON,
: 723 0903 2 WORD (NMASC_PCLI_PAD), NMASC_STATE_ON,
: 724 0904 2 WORD (NMASC_PCLI_PTY), REMOTE_CONSOLE_PROTOCOL,
: 725 0905 2 WORD (NMASC_PCLI_CON), NMASC_CINCN_NOR,
: 726 0906 2 WORD (NMASC_PCLI_ACC), NMASC_ACC_SRR,
: 727 0907 2 WORD (NMASC_PCLI_MCA),
: 728 0908 2 WORD (8), WORD (NMASC_LINMC_SET),
: 729 0909 2 BYTE (%X'AB'), BYTE (%X'00'),
: 730 0910 2 BYTE (%X'00'), BYTE (%X'02'),
: 731 0911 2 BYTE (%X'00'), BYTE (%X'00')
: 732 0912 2 );
: 733 0913 2
: 734 0914 2
: 735 0915 2
: 736 0916 2 MAP
: 737 0917 2 CIRNAM_DSC : REF BBLOCK,
: 738 0918 2 DEVNAM_DSC : REF BBLOCK;
: 739 0919 2
: 740 0920 2
: 741 0921 2 CNF$TRACE (DBG$C_TRACE, $DESCRIPTOR('TRACE'),

```

```

742 0922 2          $DESCRIPTOR ('surveil'));
743 0923 2
744 0924 2
745 0925 2          |
746 0926 2          | Check and see if we already know about this circuit.
747 0927 2          |
748 0928 2          | IF CNF$LOCATE_CIR_BLK (.CIRNAM_DSC, CIR)
749 0929 2          | THEN
750 0930 2          | BEGIN
751 0931 2          | IF .CIR [CIR$B_SURVEIL] EQL NMA$C_SUR_ENA ! Its in our list
752 0932 2          | THEN RETURN TRUE; ! And surveillance is already set
753 0933 2          |
754 0934 2          | Else, make sure the buffers were deallocated, since CNF$READ_SYSIDM
755 0935 2          | will report an error if the buffers are there when it goes to
756 0936 2          | allocate new ones.
757 0937 2          | Then skip the circuit block allocation and go to the set up.
758 0938 2          |
759 0939 2          | IF .CIR [CIR$L_SYSIDMBUF] NEQ 0 ! If the buffer there?
760 0940 2          | THEN
761 0941 2          | BEGIN ! If this happens, there is probably a timing bug around
762 0942 2          | CNF$TRACE (DBG$C TRACE, $DESCRIPTOR('TRACE *** ERROR'),
763 0943 2          | $DESCRIPTOR('surveil buffers in place on re-activation'));
764 0944 2          | EXECUTE (CNF$FREE_VM (%REF(SYSIDM_BUFSIZ), CIR [CIR$L_SYSIDMBUF]));
765 0945 2          | EXECUTE (CNF$FREE_VM (%REF(ADRTYP_BUFSIZ), CIR [CIR$L_ADRTYPBUF]));
766 0946 2          | END;
767 0947 2          | ELSE
768 0948 2          |
769 0949 2          | This is the first we've heard of this circuit, so create a
770 0950 2          | control block for it and fill it in.
771 0951 2          |
772 0952 2          | BEGIN
773 0953 2          | EXECUTE ( CNF$GET_ZVM ( %REF(CIR$C_LENGTH), CIR));
774 0954 2          |
775 0955 2          | CIR [CIR$W_SIZE] = CIR$C_LENGTH;
776 0956 2          |
777 0957 2          | CIR [CIR$W_CIRNAMLEN] = .CIRNAM_DSC [DSC$W_LENGTH]; ! Save the name
778 0958 2          | CH$MOVE ( .CIRNAM_DSC [DSC$W_LENGTH], .CIRNAM_DSC [DSC$A_POINTER],
779 0959 2          | CIR [CIR$T_CIRNAM]);
780 0960 2          | CIR [CIR$W_DEVNAMLEN] = .DEVNAM_DSC [DSC$W_LENGTH]; ! Save the device name
781 0961 2          | CH$MOVE ( .DEVNAM_DSC [DSC$W_LENGTH], .DEVNAM_DSC [DSC$A_POINTER],
782 0962 2          | CIR [CIR$T_DEVNAM]);
783 0963 2          |
784 0964 2          |
785 0965 2          | Initialize the linked list for holding the system ID messages
786 0966 2          | that will be gathered for this circuit.
787 0967 2          |
788 0968 2          | CIR [CIR$L_SIDFLINK] = CIR [CIR$L_SIDFLINK];
789 0969 2          | CIR [CIR$L_SIDBLINK] = CIR [CIR$L_SIDFLINK];
790 0970 2          |
791 0971 2          |
792 0972 2          | Place in on our list of circuits
793 0973 2          |
794 0974 2          | INSQUE (.CIR, .CNF$GQ_CIRSURLST [1]);
795 0975 2          | END;
796 0976 2          |
797 0977 2          | CIR [CIR$B_SURVEIL] = NMA$C_SUR_ENA; ! Record that surveillance is enabled
798 0978 2

```

B
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!
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#\$%&'()*+,-./:;
=>?@AB[CD]EFGHI
JKLMNOPQRSTUVWXYZ
{|}~


```

799 0979 2  |
800 0980 2  |  Assign channel to NI driver-
801 0981 2  |
802 0982 2  | STATUS = $ASSIGN (CHAN = CIR [CIR$W_CHAN], DEVNAM = .DEVNAM_DSC);
803 0983 2  | IF NOT .STATUS
804 0984 2  | THEN
805 0985 2  |   BEGIN
806 0986 2  |     SIGNAL (CNF$ :_AN, 0, .STATUS);
807 0987 2  |     CIR [CIR$B_SORVEIL] = NMA$C_SUR_DIS;    ! Record that surveillance is disabled
808 0988 2  |     RETURN .STATUS;
809 0989 2  |   END;
810 0990 2  |
811 0991 2  |  Get ready to talk to device driver
812 0992 2  |
813 0993 2  |
814 0994 2  | P2_DESC = 0;                                ! Zero first longword
815 0995 2  | P2_DESC [DSC$W_LENGTH] = P2BUFLen;         ! Set buffer size
816 0996 2  | P2_DESC [DSC$A_POINTER] = P2BUF;          ! Pointer to buffer
817 0997 2  |
818 0998 2  |
819 0999 2  |  Issue startup info to driver so that future reads will get only
820 1000 2  |  the system ID messages that are broadcast
821 1001 2  |
822 P 1002 2  | STATUS = $QIOW
823 P 1003 2  | (
824 P 1004 2  |   FUNC = (IOS_SETCHAR OR IOSM_CTRL OR IOSM_STARTUP),
825 P 1005 2  |   CHAN = .CIR [CIR$W_CHAN],
826 P 1006 2  |   EFN = CNF$C_SYNCH_EFN,                    ! Synchronous Event flag number
827 P 1007 2  |   IOSB = CIR [CIR$W_IOSB],
828 P 1008 2  |   P2 = P2_DESC
829 1009 2  | );
830 1010 2  |
831 1011 2  | IF NOT .STATUS
832 1012 2  | THEN
833 1013 2  |   BEGIN
834 1014 2  |     SIGNAL (CNF$ DRVRSTRT, 0, .STATUS);
835 1015 2  |     CIR [CIR$B_SORVEIL] = NMA$C_SUR_DIS;    ! Record that surveillance is disabled
836 1016 2  |     RETURN .STATUS;
837 1017 2  |   END;
838 1018 2  |
839 1019 2  | STATUS = .CIR [CIR$W_IOSB];                ! pick up final status
840 1020 2  | IF NOT .STATUS
841 1021 2  | THEN
842 1022 2  |   BEGIN
843 1023 2  |     SIGNAL (CNF$ DRVRSTRT, 0, .STATUS);
844 1024 2  |     RETURN .STATUS;
845 1025 2  |   END;
846 1026 2  |
847 1027 2  |
848 1028 2  |
849 1029 2  |  Record the system time when surveillance began since this
850 1030 2  |  info is required on a SHOW request.
851 1031 2  |
852 1032 2  | EXECUTE ($GETTIM (TIMADR = CIR [CIR$Q_ELAPSDTIM]) );
853 1033 2  |
854 1034 2  |
855 1035 2  |  Issue QIO to device driver to request broadcast messages

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```

: 856      1036 2      ! and set AST for processing System ID messages as they are read.
: 857      1037 2      !
: 858      1038 2      EXECUTE (CNF$READ_SYSIDM (.CIR));
: 859      1039 2
: 860      1040 2      RETURN TRUE;
: 861      1041 1      END;

```

! Routine surveil

.PSECT \$SPLITS, NOWRT, NOEXE, 2

```

          45 43 41 52 54 00098 P.AAP: .ASCII \TRACE\
          0009D          .BLKB 3
          00000005 000A0 P.AAO: .LCNG 5
          00000000' 000A4 .ADDRESS P.AAP
          6C 69 65 76 72 75 73 000A8 P.AAR: .ASCII \surveil\
          000AF          .BLKB 1
          00000007 000B0 P.AAQ: .LONG 7
          00000000' 000B4 .ADDRESS P.AAR
52 4F 52 52 45 20 2A 2A 2A 20 45 43 41 52 54 000B8 P.AAT: .ASCII \TRACE *** ERROR\
          000C7          .BLKB 1
          0000000F 000C8 P.AAS: .LONG 15
          00000000' 000CC .ADDRESS P.AAT
72 65 66 66 75 62 20 20 6C 69 65 76 72 75 73 000D0 P.AAV: .ASCII \surveil buffers in place on re-activatf\
72 20 6E 6F 20 65 63 61 6C 70 20 6E 69 20 73 000DF
          69 74 61 76 69 74 63 61 2D 65 000EE
          6E 6F 000FB          .ASCII \on\
          000FA          .BLKB 2
          0000002A 000FC P.AAU: .LONG 42
          00000000' 00100 .ADDRESS P.AAV

```

.PSECT \$OWNS, NOEXE, 2

```

          0AF1 00008 P2BUF: .WORD 2801
          0000C040 0000A .LONG 64
          0451 0000E .WORD 1105
          00000001 00010 .LONG 1
          0B18 00014 .WORD 2840
          00000001 00016 .LONG 1
          0B19 0001A .WORD 2841
          00000001 0001C .LONG 1
          0B1B 00020 .WORD 2843
          00000001 00022 .LONG 1
          0B1C 00026 .WORD 2844
          00000000 00028 .LONG 0
          0B1A 0002C .WORD 2842
          00000000 0002E .LONG 0
          0B0E 00032 .WORD 2830
          00000260 00034 .LONG 608
          0456 00038 .WORD 1110
          0C000000 0003A .LONG 0
          0B1E 0003E .WORD 2846
          00000001 00040 .LONG 1
          0B0F 00044 .WORD 2831
          0008 00046 .WORD 8
          0001 00048 .WORD 1
          AB 0004A .BYTE -85

```

			00	0004B		.BYTE	0			
			00	0004C		.BYTE	0			
			02	0004D		.BYTE	2			
			00	0004E		.BYTE	0			
			00	0004F		.BYTE	0			
						.EXTRN	SYSS\$ASSIGN, SYSS\$GETTIM			
						.PSECT	\$CODE\$,NOWRT,2			
			01FC	00000	SURVEIL:	.WORD	Save R2,R3,R4,R5,R6,R7,R8			0866
58	00000000G		00	9E 00002		MOVAB	LIB\$SIGNAL, R8			
57	00000000G		8F	D0 00009		MOVL	#CNF\$ DRVR\$TRT, R7			
5E			10	C2 00010		SUBL2	#16, 5P			
	0000'		CF	9F 00013		PUSHAB	P.AAQ			0922
	0000'		CF	9F 00017		PUSHAB	P.AAD			0921
			01	DD 0C01B		PUSHL	#1			
0000G	CF		03	FB 0001D		CALLS	#3, CNF\$TRACE			
	04		AE	9F 00022		PUSHAB	CIR			0927
53	04		AC	D0 00025		MOVL	CIRNAM_DSC, R3			
			53	DD 00029		PUSHL	R3			
0000V	CF		02	FB 0002B		CALLS	#2, CNF\$LOCATE_CIR_BLK			
50			50	E9 00030		BLBC	R0, 3\$			
52	04		AE	D0 00033		MOVL	CIR, R2			0930
	0A		A2	95 00037		TSTB	10(R2)			
			03	12 0003A		BNEQ	1\$			
			0122	31 0003C		BRW	12\$			
	38		A2	D5 0003F	1\$:	TSTL	56(R2)			0938
			03	12 00042		BNEQ	2\$			
			0080	31 00044		BRW	6\$			
	0000'		CF	9F 00047	2\$:	PUSHAB	P.AAU			0942
	0000'		CF	9F 0004B		PUSHAB	P.AAS			0941
			01	DD 0004F		PUSHL	#1			
0000G	CF		03	FB 00051		CALLS	#3, CNF\$TRACE			
	38		A2	9F 00056		PUSHAB	56(R2)			0943
04	AE	00000000G	8F	D0 00059		MOVL	#SYSIDM_BUF\$IZ, 4(SP)			
	04		AE	9F 00061		PUSHAB	4(SP)			
0000G	CF		02	FB 00064		CALLS	#2, CNF\$FREE_VM			
27			50	E9 00069		BLBC	STATUS, 4\$			
			3C	A2 9F 0006C		PUSHAB	60(R2)			0944
04	AE	00000000G	8F	D0 0006F		MOVL	#ADRTYP_BUF\$IZ, 4(SP)			
	04		AE	9F 00077		PUSHAB	4(SP)			
0000G	CF		02	FB 0007A		CALLS	#2, CNF\$FREE_VM			
45			50	E8 0007F		BLBS	STATUS, 6\$			
			04	00082		RET				
	04		AE	9F 00083	3\$:	PUSHAB	CIR			0953
04	AE		8F	9A 00086		MOVZBL	#72, 4(SP)			
	04		AE	9F 0008B		PUSHAB	4(SP)			
0000G	CF		02	FB 0008E		CALLS	#2, CNF\$GET_ZVM			
01			50	E8 00093	4\$:	BLBS	STATUS, 5\$			
			04	00096		RET				
	56		04	AE D0 00097	5\$:	MOVL	CIR, R6			0955
08	A6		48	8F 9B 0009B		MOVZBW	#72, 8(R6)			
16	A6		63	B0 000A0		MOVW	(R3), 22(R6)			0957
18	A6		04	B3		MOVW	(R3), 24(R3), 24(R6)			0959
	50		08	AC D0 000AA		MOVL	DEVNAM_DSC, R0			0960
	28		A6	60 B0 000AE		MOVW	(R0), 40(R6)			

2A	A6	04	B0	60	28	000B2	MOV C3	(R0), 24(R0), 42(R6)	: 0962			
		40	A6	40	A6	9E 000B8	MOV AB	64(R6), 64(R6)	: 0968			
		44	A6	40	A6	9E 000BD	MOV AB	64(R6), 68(R6)	: 0969			
		0000G	DF	66	0E	000C2	INSQUE	(R6), @CNF\$GQ_CIRSURLST+4	: 0974			
			52	04	AE	D0 000C7	6\$:	MOVL	CIR, R2	: 0977		
				0A	A2	94 000CB	CLRB	10(R2)				
					7E	7C 000CE	CLRQ	-(SP)	: 0982			
				14	A2	9F 000D0	PUSH AB	20(R2)				
				08	AC	DD 000D3	PUSHL	DEVNAM, DSC				
		00000000G	00	04	FB	000D6	CALLS	#4, SYSS\$ASSIGN				
			53	50	D0	000DD	MOVL	R0, STATUS				
			0C	53	E8	000E0	BLBS	STATUS, 7\$: 0983			
				53	DD	000E3	PUSHL	STATUS	: 0986			
				7E	D4	000E5	CLRL	-(SP)				
				00000000G	8F	DD 000E7	PUSHL	#CNF\$_CHAN				
				3E	11	000ED	BRB	8\$				
				08	AE	D4 000EF	7\$:	CLRL	P2_DESC	: 0994		
		08	AE	48	8F	9B 000F2	MOVZBW	#72, P2_DESC	: 0995			
		0C	AE	0000	CF	9E 000F7	MOV AB	P2BUF, P2_DESC+4	: 0996			
				7E	7C	000FD	CLRQ	-(SP)	: 1009			
				7E	7C	000FF	CLRQ	-(SP)				
				18	AE	9F 00101	PUSH AB	P2_DESC				
				7E	7C	00104	CLRQ	-(SP)				
				7E	D4	00106	CLRL	-(SP)				
				0C	A2	9F 00108	PUSH AB	12(R2)				
			7E	025A	8F	3C 0010B	MOVZWL	#602, -(SP)				
			7E	14	A2	32 00110	CVTWL	20(R2), -(SP)				
				00000000G	8F	DD 00114	PUSHL	#CNF\$C SYNCH_EFN				
		00000000G	00	0C	FB	0011A	CALLS	#12, SYSS\$QIOQ				
			53	50	D0	00121	MOVL	R0, STATUS				
			0F	53	E8	00124	BLBS	STATUS, 9\$: 1011			
				53	DD	00127	PUSHL	STATUS	: 1014			
				7E	D4	00129	CLRL	-(SP)				
				57	DD	0012B	PUSHL	R7				
				0A	68	03	FB	0012D	8\$:			
				A2	01	90	00130	CALLS	#3, LIB\$SIGNAL	: 1015		
					10	11	00134	MOV B	#1, 10(R2)	: 1016		
				53	OC	A2	32 00136	9\$:	CVTWL	12(R2), STATUS	: 1019	
				0D	53	E8	0013A	BLBS	STATUS, 11\$: 1020		
					53	DD	0013D	PUSHL	STATUS	: 1023		
					7E	D4	0013F	CLRL	-(SP)			
					57	DD	00141	PUSHL	R7			
				68	03	FB	00143	CALLS	#3, LIB\$SIGNAL			
				50	53	D0	00146	10\$:	MOVL	STATUS, R0	: 1024	
					04	00149	ET					
				00000000G	30	A2	9F 0014A	11\$:	PUSH AB	48(R2)	: 1032	
				00	01	FB	0014D	CALLS	#1, SYSS\$GETTIM			
				0D	50	E9	00154	BLBC	STATUS, 13\$			
					52	DD	00157	PUSHL	R2	: 1038		
				0000G	CF	01	FB	00159	CALLS	#1, CNF\$READ_SYSIDM		
					50	E9	0015E	BLBC	STATUS, 13\$			
					50	D0	00161	12\$:	MOVL	#1, R0	: 1040	
					04	00164	13\$:	RET		: 1041		

; Routine Size: 357 bytes, Routine Base: \$CODE\$ + 0355

```

: 863 1042 1 %SBTTL 'CNF$LOCATE_CIR_BLK Locate and return circuit block'
: 864 1043 1 GLOBAL ROUTINE CNF$LOCATE_CIR_BLK (CIRNAMDSC, CIRBLK) =
: 865 1044 1
: 866 1045 1 |**
: 867 1046 1 | FUNCTIONAL DESCRIPTION:
: 868 1047 1 |
: 869 1048 1 | Using the descriptor of the ASCII circuit name, search the
: 870 1049 1 | linked list of circuit blocks to determine the address of
: 871 1050 1 | the circuit block for the requested circuit name. If block
: 872 1051 1 | is not present, return false, else return true.
: 873 1052 1 |
: 874 1053 1 | FORMAL PARAMETERS:
: 875 1054 1 |
: 876 1055 1 |     cirnamdsc      Descriptor of circuit name
: 877 1056 1 |
: 878 1057 1 |     cirblk        Address of longword in which to return the
: 879 1058 1 |                   address of the circuit block if it is located
: 880 1059 1 |
: 881 1060 1 | IMPLICIT INPUTS:
: 882 1061 1 |     cnf$gq_cirsurlst  List of circuits
: 883 1062 1 |
: 884 1063 1 | ROUTINE VALUE:
: 885 1064 1 |
: 886 1065 1 | True   Circuit block was found and address was returned in
: 887 1066 1 |        cirblk.
: 888 1067 1 |
: 889 1068 1 | False  Circuit block was not found
: 890 1069 1 | --
: 891 1070 1 |
: 892 1071 2 | BEGIN
: 893 1072 2 | LOCAL
: 894 1073 2 |     CIRCUIT :      REF BBLOCK;
: 895 1074 2 | MAP
: 896 1075 2 |     CIRNAMDSC :    REF BBLOCK;
: 897 1076 2 |
: 898 1077 2 | CIRCUIT = .CNF$GQ_CIRSURLST;           ! First circuit in list
: 899 1078 2 | WHILE .CIRCUIT NEQ CNF$GQ_CIRSURLST DO ! For all circuits in list
: 900 1079 3 |     BEGIN
: 901 1080 3 |     IF CH$EQL (.CIRCUIT [CIR$W_CIRNAMLEN], CIRCUIT [CIR$T_CIRNAM],
: 902 1081 3 |               .CIRNAMDSC [DSC$W_LENGTH], .CIRNAMDSC [DSC$A_POINTER])
: 903 1082 3 |     THEN
: 904 1083 4 |         BEGIN
: 905 1084 4 |         .CIRBLK = .CIRCUIT;           ! Return address of matching block
: 906 1085 4 |         RETURN TRUE;
: 907 1086 4 |         END
: 908 1087 3 |     ELSE
: 909 1088 3 |         CIRCUIT = .CIRCUIT [CIR$L_LINK]; ! Get next block
: 910 1089 2 |     END;                               ! WHILE traversing Circuit linked list
: 911 1090 2 |
: 912 1091 2 | RETURN FALSE;
: 913 1092 1 | END;                                   ! Routine CNF$LOCATE_CIR_BLK

```

003C 00000

.ENTRY CNF\$LOCATE_CIR_BLK, Save R2,R3,R4,R5

: 1043

CNFREQUES
V04-000

DECnet Ethernet Configurator Module
CNF\$LOCATE_CIR_BLK Locate and return circuit

G 16
16-Sep-1984 02:04:29
14-Sep-1984 12:49:52

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

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(8)

				54	0000G	CF	D0	00002		MOVL	CNF\$GQ_CIRSURLST, CIRCUIT	:	1077	
				55	04	AC	D0	00007		MOVL	CIRNAMDSC, R5	:	1081	
				50	0000G	CF	9E	0000B	1\$:	MOVAB	CNF\$GQ_CIRSURLST, R0	:	1078	
				50		54	D1	00010		CMPL	CIRCUIT, R0	:		
						19	13	00013		BEQL	3\$:		
04	BC		00	18	A4	16	A4	2D	00015	CMPCS	22(CIRCUIT), 24(CIRCUIT), #0, @CIRNAMDSC, -	:	1080	
						04	B5		0001D		@4(R5)	:		
							08	12	0001F	BNEQ	2\$:		
			08	BC			54	D0	00021	MOVL	CIRCUIT, @CIRBLK	:	1084	
							50	D0	00025	MOVL	#1, R0	:	1085	
								04	00028	RET		:		
						54	64	D0	00029	2\$:	MOVL	(CIRCUIT), CIRCUIT	:	1088
							DD	11	0002C	BRB	1\$:	1078	
							50	D4	0002E	3\$:	CLR	R0	:	1091
							04	00030		RET		:	1092	

; Routine Size: 49 bytes, Routine Base: \$CODE\$ + 04BA

```

915 1093 1 %SBTTL 'cnf_disable_surveillance '
916 1094 1 ROUTINE CNF_DISABLE_SURVEILLANCE (IRB, KNOWN, CIRCUITNAM_DSC) =
917 1095 1
918 1096 1 !++
919 1097 1
920 1098 1 Jacket routine to ensure common error recovery and memory
921 1099 1 deallocation for the disabling of surveillance logic.
922 1100 1
923 1101 1 irb Interrupt request block, containing request context
924 1102 1
925 1103 1 known If true, then clear surveillance for all circuits
926 1104 1
927 1105 1 circuitnam_dsc Descriptor for name of circuit to clear surveillance on.
928 1106 1
929 1107 1 Always return success, any errors are buffered and then sent to
930 1108 1 connectee.
931 1109 1 --
932 1110 1
933 1111 2 BEGIN
934 1112 2 MAP
935 1113 2 CIRCUITNAM_DSC : REF BBLOCK;
936 1114 2 LOCAL
937 1115 2 CIRCUIT : REF BBLOCK,
938 1116 2 STATUS;
939 1117 2
940 1118 2 CNF$TRACE (DBG$C_TRACE, $DESCRIPTOR('TRACE'),
941 1119 2 $DESCRIPTOR ('cnf_disable_surveillance'));
942 1120 2
943 1121 2 STATUS = DISABLE_SURVEILLANCE (.IRB, .KNOWN, .CIRCUITNAM_DSC);
944 1122 2 IF NOT .STATUS
945 1123 2 THEN
946 1124 2 CNF$BUFR_ERR_MSG (.IRB, NMASC_STS_MPR, 0, .STATUS)
947 1125 2 ELSE
948 1126 2 CNF$BUFR_NICE_MSG (.IRB, SUCCESS_NICE_DSC, 0);
949 1127 2
950 1128 2
951 1129 2 | Check to ensure that there is still something under surveillance,
952 1130 2 otherwise, clear flag so that when execution returns to primary loop
953 1131 2 in CNFMAIN it will terminate.
954 1132 2 |
955 1133 2 CNF$B_SURVEILLANCE_SET = FALSE;
956 1134 2 CIRCUIT = .CNF$GQ_CIRSURLST;
957 1135 2 WHILE .CIRCUIT NEQ CNF$GQ_CIRSURLST DO
958 1136 2 BEGIN
959 1137 2 IF .CIRCUIT [CIR$B_SURVEIL] EQL NMASC_SUR_ENA
960 1138 2 THEN CNF$B_SURVEILLANCE_SET = TRUE;
961 1139 2 CIRCUIT = .CIRCUIT [CIR$L_LINK];
962 1140 2 END; ! WHILE traversing Circuit linked list
963 1141 2
964 1142 2 RETURN TRUE;
965 1143 1 END; ! Routine cnf_disable_surveillance

```

.PSECT SPLITS,NOWRT,NOEXE,2

45 43 41 52 54 00104 P.AAX: .ASCII \TRACE\

```

00109
00000005 0010C P.AAW: .BLKB 3
00000000' 00110 .LONG 5
72 75 73 5F 65 6C 62 61 73 69 64 5F 66 6E 63 00114 P.AAZ: .ADDRESS P.AAX
65 63 6E 61 6C 6C 69 65 76 00123 .ASCII \cnf_disable_surveillance\
00000018 0012C P.AAY: .LONG 24
00000000' 00130 .ADDRESS P.AAZ

```

.PSECT \$CODE\$,NOWRT,2

0000 00000 CNF_DISABLE_SURVEILLANCE:

```

0000' CF 9F 00002 .WORD Save nothing : 1094
0000' CF 9F 00006 PUSHAB P.AAY : 1119
01 DD 0000A PUSHAB P.AAW : 1118
0000G CF 03 FB 0000C PUSHL #1
7E 08 AC 7D 00011 CALLS #3, CNF$TRACE
04 AC DD 00015 MOVQ KNOWN, -(SP) : 1121
0000V CF 03 FB 00018 CALLS #3, DISABLE_SURVEILLANCE
11 50 E8 0001D BLBS STATUS, 1$ : 1122
50 DD 00020 PUSHL STATUS : 1124
7E D4 00022 CLRL -(SP)
05 CE 00024 MNEGL #5, -(SP)
0000G CF 04 AC DD 00027 PUSHL IRB
04 04 FB 0002A CALLS #4, CNF$BUFR_ERR_MSG
0E 11 0002F BRB 2$
7E D4 00031 1$: CLRL -(SP) : 1126
0000' CF 9F 00033 PUSHAB SUCCESS_NICE_DSC
04 AC DD 00037 PUSHL IRB
0000G CF 03 FB 0003A CALLS #3, CNF$BUFR_NICE_MSG
51 0000G CF D4 0003F 2$: CLRL CNF$B_SURVEILLANCE_SET : 1133
50 0000G CF D0 00043 MOVL CNF$GQ_CIRSURLST, CIRCUIT : 1134
50 0000G CF 9F 00048 3$: MOVAB CNF$GQ_CIRSURLST, R0 : 1135
0F 13 00050 CMPL CIRCUIT, R0
0A A1 95 00052 BEQL 5$
05 12 00055 TSTB 10(CIRCUIT) : 1137
0000G CF 01 D0 00057 BNEQ 4$
51 61 D0 0005C 4$: MOVL #1, CNF$B_SURVEILLANCE_SET : 1138
E7 11 0005F BRB 3$ : 1139
50 01 D0 00061 5$: MOVL (CIRCUIT), CIRCUIT : 1142
04 00064 RET #1, R0 : 1143

```

; Routine Size: 101 bytes, Routine Base: \$CODE\$ + 04EB


```

: 967 1144 1 %SBTTL 'disable_surveillance '
: 968 1145 1 ROUTINE DISABLE_SURVEILLANCE (IRB, KNOWN, CIRCUITNAM_DSC) =
: 969 1146 1 ++
: 970 1147 1
: 971 1148 1 Perform some checking before calling the routine which will
: 972 1149 1 handle the actual disabling of surveillance on a circuit by
: 973 1150 1 first determining if the requested circuit has surveillance set.
: 974 1151 1 If known was specified, then discover all the NI circuits available.
: 975 1152 1
: 976 1153 1     irb             Interrupt request block, containing request context
: 977 1154 1
: 978 1155 1     known          If true, then clear surveillance for all circuits
: 979 1156 1
: 980 1157 1     circuitnam_dsc For checking if this circuit is in our list
: 981 1158 1                   of circuits.
: 982 1159 1 --
: 983 1160 2 BEGIN
: 984 1161 2 LOCAL
: 985 1162 2     CIRCUIT :      REF BBLOCK;
: 986 1163 2 MAP
: 987 1164 2     CIRCUITNAM_DSC : REF BBLOCK;
: 988 1165 2
: 989 1166 2 CNF$TRACE (DBG$C TRACE, $DESCRIPTOR('TRACE'),
: 990 1167 2           $DESCRIPTOR('disable_surveillance'));
: 991 1168 2
: 992 1169 2 IF .KNOWN
: 993 1170 2 THEN
: 994 1171 2
: 995 1172 2     For every circuit in the list, disable surveillance
: 996 1173 2
: 997 1174 2     BEGIN
: 998 1175 2     CIRCUIT = .CNF$GQ CIRSURLST;
: 999 1176 2     WHILE .CIRCUIT NEQ CNF$GQ_CIRSURLST DO
: 1000 1177 2     BEGIN
: 1001 1178 2     EXECUTE (CNF$DISABLE_SUPVEIL (.CIRCUIT));
: 1002 1179 2     CIRCUIT = .CIRCUIT [CIRSL_LINK];
: 1003 1180 2     END; ! WHILE traversing circuit linked list
: 1004 1181 2     END
: 1005 1182 2 ELSE
: 1006 1183 2
: 1007 1184 2     If the circuit is in our list, then disable surveillance,
: 1008 1185 2     otherwise buffer an error for return to connectee.
: 1009 1186 2
: 1010 1187 2     BEGIN
: 1011 1188 2     IF CNF$LOCATE_CIR_BLK (.CIRCUITNAM_DSC, CIRCUIT)
: 1012 1189 2     THEN
: 1013 1190 2     EXECUTE (CNF$DISABLE_SURVEIL (.CIRCUIT))
: 1014 1191 2     ELSE
: 1015 1192 2     BEGIN ! This circuit not in data base
: 1016 1193 2     CNF$BUFR ERR MSG (.IRB, NMACS_STS_IDE, NMACS_ENT_CIR, 0,
: 1017 1194 2     .CIRCUITNAM_DSC);
: 1018 1195 2     RETURN TRUE;
: 1019 1196 2     END;
: 1020 1197 2     END;
: 1021 1198 2
: 1022 1199 2 RETURN TRUE;
: 1023 1200 1 END; ! Routine disable_surveillance

```

```

.PSECT $SPLITS$,NOWRT,NOEXE,2
      45 43 41 52 54 00134 P.ABB: .ASCII \TRACE\
      00139 .BLKB 3
      00000005 0013C P.ABA: .LONG 5
      00000000 00140 .ADDRESS P.ABB
6C 69 65 76 72 75 73 5F 65 6C 62 61 73 69 64 00144 P.ABD: .ASCII \disable_surveillance\
65 63 6E 61 6C 00153
      00000014 00158 P.ABC: .LONG 20
      00000000 0015C .ADDRESS P.ABD

.PSECT $CODES$,NOWRT,2
      0000 00000 DISABLE_SURVEILLANCE:
      .WORD Save nothing
      SE 04 C2 00002 SUBL2 #4, SP
      0000' CF 9F 00005 PUSHAB P.ABC
      0000' CF 9F 00009 PUSHAB P.ABA
      01 D3 0000D PUSHL #1
      0000G CF 03 FB 0000F CALLS #3, CNF$TRACE
      1D 08 AC E9 00014 BLBC KNOWN, 2$
      6E 0000G CF D0 00018 MOVL CNF$GQ_CIRSURLST, CIRCUIT
      50 0000G CF 9E 0001D 1$: MOVAB CNF$GQ_CIRSURLST, R0
      50 6E D1 00022 CMPL CIRCUIT, R0
      37 13 00025 BEQL 4$
      6E DD 00027 PUSHL CIRCUIT
      0000V CF 01 FB 00029 CALLS #1, CNF$DISABLE_SURVEIL
      30 50 E9 0002E BLBC STATUS, 5$
      9E DD 00031 PUSHL @CIRCUIT
      E8 11 00033 BRB 1$
      5E DD 00035 2$: PUSHL SP
      FF2B CF 0C AC DD 00037 PUSHL CIRCUITNAM_DSC
      0B 02 FB 0003A CALLS #2, CNF$LOCATE_CIR_BLK
      50 E9 0003F BLBC R0, 3$
      6E DD 00042 PUSHL CIRCUIT
      0000V CF 01 FB 00044 CALLS #1, CNF$DISABLE_SURVEIL
      12 50 E8 00049 BLBS STATUS, 4$
      04 0004C RET
      0C AC DD 0004D 3$: PUSHL CIRCUITNAM_DSC
      7E 03 7D 00050 MOVQ #3, -(SP)
      7E 09 CE 00053 MNEGL #9, -(SP)
      04 AC DD 00056 PUSHL IRB
      0000G CF 05 FB 00059 CALLS #5, CNF$BUFR_ERR_MSG
      50 01 D0 0005E 4$: MOVL #1, R0
      04 00061 5$: RET

```

; Routine Size: 98 bytes, Routine Base: \$CODES\$ + 0550

```

: 1025 1201 1 %SBTTL 'CNF$DISABLE_SURVEIL: clean up circuit block entry and quit surveillance'
: 1026 1202 1 GLOBAL ROUTINE CNF$DISABLE_SURVEIL (CIR) =
: 1027 1203 1
: 1028 1204 1 !++
: 1029 1205 1 FUNCTIONAL DESCRIPTION:
: 1030 1206 1
: 1031 1207 1 This is the routine that actually terminates surveillance of a circuit.
: 1032 1208 1
: 1033 1209 1 FORMAL PARAMETERS:
: 1034 1210 1
: 1035 1211 1     cir      Circuit control block.
: 1036 1212 1
: 1037 1213 1 IMPLICIT INPUTS:
: 1038 1214 1     NONE
: 1039 1215 1
: 1040 1216 1 IMPLICIT OUTPUTS:
: 1041 1217 1     NONE
: 1042 1218 1
: 1043 1219 1 ROUTINE VALUE:
: 1044 1220 1 COMPLETION CODES:
: 1045 1221 1     NONE
: 1046 1222 1
: 1047 1223 1 SIDE EFFECTS:
: 1048 1224 1     NONE
: 1049 1225 1
: 1050 1226 1 --
: 1051 1227 1
: 1052 1228 1 BEGIN
: 1053 1229 1 MAP
: 1054 1230 1     CIR : REF BBLOCK;
: 1055 1231 1 LOCAL
: 1056 1232 1     SID : REF BBLOCK,
: 1057 1233 1     STATUS;
: 1058 1234 1
: 1059 1235 1
: 1060 1236 1 CIR [CIR$B_SURVEIL] = NMA$C_SUR_DIS;           ! Mark surveillance disabled
: 1061 1237 1
: 1062 1238 1 EXECUTE ( $DASSGN (CHAN = .CIR [CIR$W_CHAN]) );   ! Terminate read of System ID's
: 1063 1239 1
: 1064 1240 1 |
: 1065 1241 1 |     Deallocate all the memory used to store system ID messages
: 1066 1242 1 |     gathered for the circuit
: 1067 1243 1 |
: 1068 1244 1 |     SID = .CIR [CIR$L_SIDFLINK];
: 1069 1245 1 |     WHILE .SID NEQ CIR [CIR$L_SIDFLINK] DO
: 1070 1246 1 |     BEGIN
: 1071 1247 1 |     REMQUE (.SID, STATUS);
: 1072 1248 1 |     EXECUTE (CNF$FREE_VM (%REF(SID$C_LENGTH), SID));
: 1073 1249 1 |     SID = .CIR [CIR$L_SIDFLINK];
: 1074 1250 1 |     END;
: 1075 1251 1 |
: 1076 1252 1 |
: 1077 1253 1 |     Record time when surveillance was discontinued
: 1078 1254 1 |
: 1079 1255 1 | EXECUTE ($GETTIM (TIMADR = CIR [CIR$Q_ELAPSDTIM]) );
: 1080 1256 1 |
: 1081 1257 1 | RETURN TRUE;

```

; 1082 1258 1 END; ! Routine cnf\$disable_surveil

				000C 00000	.EXTRN	SYSSDASSGN		
				08 C2 00002	.ENTRY	CNF\$DISABLE_SURVEIL, Save R2,R3	:	1202
				AC D0 00005	SUBL2	#8, SP	:	
	0A		04	01 90 00009	MOVL	CIR, R2	:	1236
				A2 32 0000D	MOVB	#1, 10(R2)	:	
	7E		14	01 FB 00011	CVTWL	20(R2), -(SP)	:	1238
	00000000G			50 E9 00018	CALLS	#1, SYSSDASSGN	:	
				A2 D0 0001B	BLBC	STATUS, 3\$:	
	04		40	8F C1 00020	MOVL	64(R2), SID	:	1244
52	04	AC	00000040	AE D1 00029 1\$:	ADDL3	#64, CIR, R2	:	1245
				25 13 0002D	CMPL	SID, R2	:	
				BE 0F 0002F	BEQL	2\$:	
				AE 9F 00033	REMQUE	@SID, STATUS	:	1247
				25 D0 00036	PUSHAB	SID	:	1248
	04	AE		AE 9F 0003A	MOVL	#37, 4(SP)	:	
				02 FB 0003D	PUSHAB	4(SP)	:	
	0000G	CF		50 E9 00042	CALLS	#2, CNF\$FREE_VM	:	
				8F C1 00045	BLBC	STATUS, 3\$:	
	52	04	AC	62 D0 0004E	ADDL3	#64, CIR, R2	:	1249
				D5 11 00052	MOVL	(R2), SID	:	
				30 C1 00054 2\$:	BRB	1\$:	1245
	7E	04	AC	01 FB 00059	ADDL3	#48, CIR, -(SP)	:	1255
				50 E9 00060	CALLS	#1, SYSSGETTIM	:	
	00000000G	00		01 D0 00063	BLBC	STATUS, 3\$:	
				04 00066 3\$:	MOVL	#1, R0	:	1257
					RET		:	1258

; Routine Size: 103 bytes, Routine Base: \$CODE\$ + 05B2

CNFREQES
V04-000

DECnet Ethernet Configurator Module
CNF\$DISABLE_SURVEIL: clean up circuit block en

B 1
16-Sep-1984 02:04:29
14-Sep-1984 12:49:52

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[NICNF.SRC]CNFREQES.B32;1

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: 1084
: 1085
1259 1 END
1260 0 ELUDOM

! End of module CNFREQES

.EXTRN LIB\$SIGNAL

PSECT SUMMARY

Name	Bytes	Attributes
\$PLITS	352	NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$OWNS	80	NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$CODES	1561	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	15	0	581	00:01.0
-\$255\$DUA28:[SHRLIB]NET.L32;1	1279	16	1	63	00:00.8
-\$255\$DUA28:[SHRLIB]NMALIBRY.L32;1	887	37	4	47	00:00.8

COMMAND QUALIFIERS

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

: Size: 1561 code + 432 data bytes
: Run Time: 00:33.3
: Elapsed Time: 01:01.0
: Lines/CPU Min: 2268
: Lexemes/CPU-Min: 18605
: Memory Used: 213 pages
: Compilation Complete

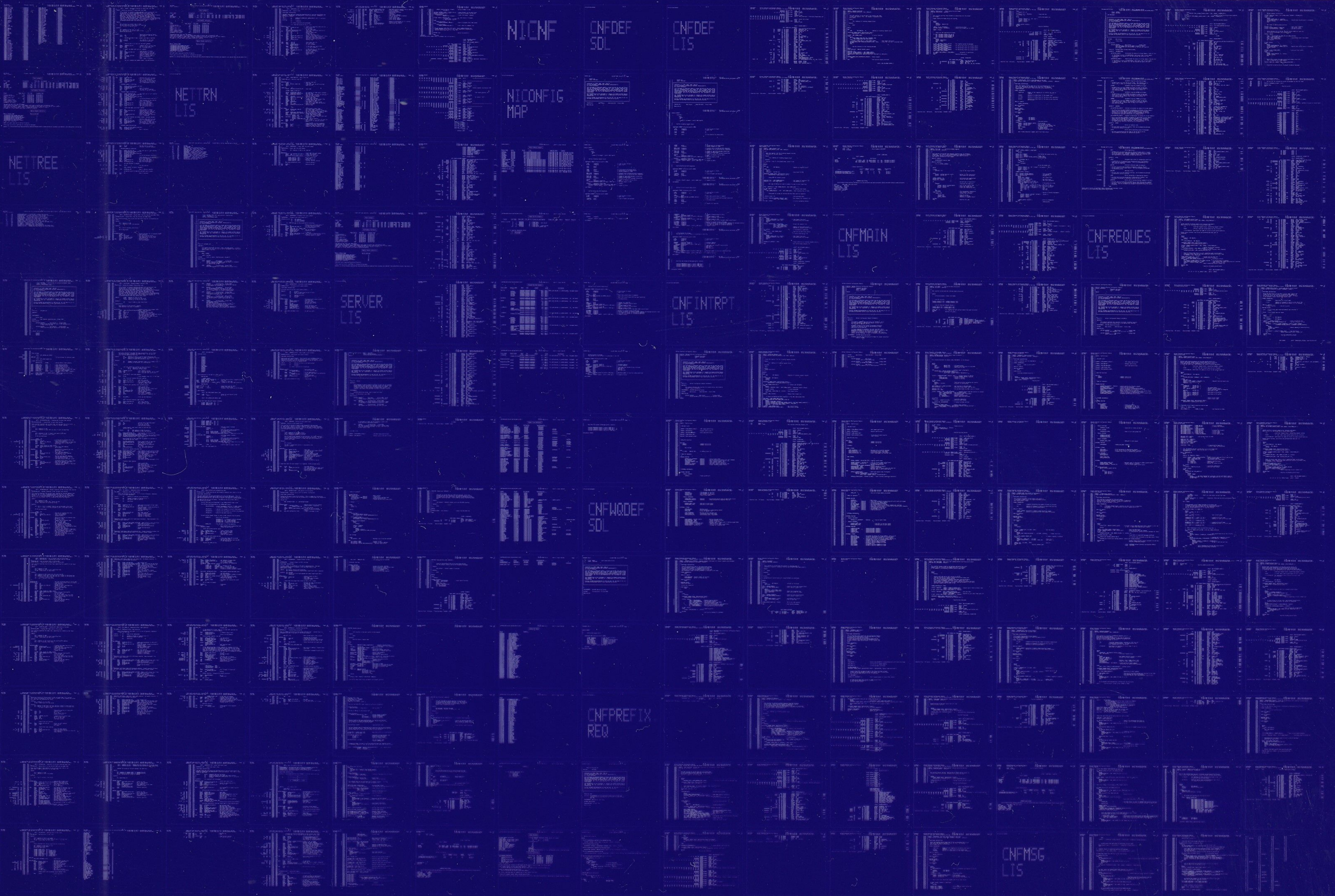
CM
VC

61

6

0279 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY



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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