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CCCCCCCC  SSSSSSSS  PPPPPPPP  000000  PPPPPPPP  CCCCCCCC  000000  MM  MM
CCCCCCCC  SSSSSSSS  PPPPPPPP  000000  PPPPPPPP  CCCCCCCC  000000  MM  MM
CC         SS         PP     PP  00         00  PP     PP  CC         00     00  MMMM  MM  MM
CC         SS         PP     PP  00         00  PP     PP  CC         00     00  MMMM  MM  MM
CC         SS         PP     PP  00         00  PP     PP  CC         00     00  MM   MM  MM
CC         SS         PP     PP  00         00  PP     PP  CC         00     00  MM   MM  MM
CC         SS         PP     PP  00         00  PP     PP  CC         00     00  MM   MM  MM
CC         SS         PP     PP  00         00  PP     PP  CC         00     00  MM   MM  MM
CC         SS         PP     PP  00         00  PP     PP  CC         00     00  MM   MM  MM
CC         SS         PP     PP  00         00  PP     PP  CC         00     00  MM   MM  MM
CC         SS         PP     PP  00         00  PP     PP  CC         00     00  MM   MM  MM
CC         SS         PP     PP  00         00  PP     PP  CC         00     00  MM   MM  MM
CCCCCCCC  SSSSSSSS  PPPPPPPP  000000  PPPPPPPP  CCCCCCCC  000000  MM   MM  MM
CCCCCCCC  SSSSSSSS  PPPPPPPP  000000  PPPPPPPP  CCCCCCCC  000000  MM   MM  MM

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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

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```
0001 0 MODULE CSPOPCOM
0002 0 (LANGUAGE (BLISS32)
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 0
0006 0 *****
0007 0 *
0008 0 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0024 0 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0025 0 *
0026 0 *
0027 0 *****
0028 0
0029 0 ++
0030 0 FACILITY: OPCOM,CSP
0031 0
0032 0 ABSTRACT: This module contains the cluster server action routine for
0033 0 OPCOM.
0034 0
0035 0 Environment: Full process context.
0036 0
0037 0 Author: CW Hobbs
0038 0
0039 0 Creation date: 14 July 1983
0040 0
0041 0 Revision history:
0042 0
0043 0 V03-002 ADE0002 Alan D. Eldridge 28-Feb-1984
0044 0 Change CSP$OPCOM_ACTION to CSP$OPCOM.
0045 0
0046 0 V03-001 ADE0001 Alan D. Eldridge 4-Feb-1984
0047 0 General cleanup.
0048 0
0049 0
0050 0 --
0051 0
0052 1 BEGIN ! Start of CSPOPCOM
0053 1
0054 1 LIBRARY 'SYS$LIBRARY:LIB.L32';
0055 1 REQUIRE 'LIB$:CSPDEF';
0249 1
0250 1 LINKAGE
```

```
: 58      0251 1      JSB_2  = JSB (REGISTER=2);  
: 59      0252 1  
: 60      0253 1 FORWARD ROUTINE  
: 61      0254 1 CSP$OPCOM          : JSB_2;
```

```

63 0255 1 %SBTTL 'CSP$OPCOM (CSD)'
64 0256 1 GLOBAL ROUTINE CSP$OPCOM
65 0257 1 (CSD : REF BLOCK [,BYTE]) : JS3_2 =
66 0258 1
67 0259 1 |++
68 0260 1
69 0261 1 | Action routine for an inbound message from OPCOM on another node. Simply
70 0262 1 | pass the message on to OPCOM on the local node.
71 0263 1 |
72 0264 1 | Input:
73 0265 1 |
74 0266 1 |     CSD - Pointer to the address of the received CSD
75 0267 1 |
76 0268 1 | Implicit Input:
77 0269 1 |
78 0270 1 |     None.
79 0271 1 |
80 0272 1 | Output:
81 0273 1 |
82 0274 1 |     None.
83 0275 1 |
84 0276 1 | Implicit output:
85 0277 1 |
86 0278 1 |     None.
87 0279 1 |
88 0280 1 | Side effects:
89 0281 1 |
90 0282 1 |     The message will be written to the operator's mailbox.
91 0283 1 |
92 0284 1 | Routine value:
93 0285 1 |
94 0286 1 |     None.
95 0287 1 | --
96 0288 2 BEGIN                                ! Start of CSP$OPCOM
97 0289 2 LOCAL
98 0290 2     DESC : VECTOR [2, LONG],        ! String descriptor for the message
99 0291 2     STATUS ;
100 0292 2
101 0293 2 |
102 0294 2 | Initialize the local string descriptor
103 0295 2 |
104 0296 2 DESC [0] = .CSD [CSD$SL_SENDLEN] ;    ! Stuff length of message
105 0297 2 DESC [1] = .CSD [CSD$SL_SENDOFF] ;    ! Stuff address of message
106 0298 2 |
107 0299 2 |
108 0300 2 | Send the message to the local operator
109 0301 2 |
110 0302 2 STATUS = $$NDOPR (MSGBUF=DESC) ;
111 0303 2 |
112 0304 2 RETURN .STATUS ;
113 0305 1 END ;

```

. End of CSP\$OPCOM

.TITLE CSPOPCOM  
.IDENT \V04-000\  
.EXTN SYS\$NDOPR

```

.PSECT $CODE$,NOWRT,2
      SE          04 C2 0000 CSP$OPCOM::
      04 AE      12 A2 DD 00003  SUBL2 #4, SP          ; 0256
      16 A2 DD 00006  PUSHL 18(CSD)      ; 0296
      7E D4 0000B  MOVL 22(CSD), DESC+4  ; 0297
      04 AE 9F 0000D  CLRL -(SP)         ; 0302
00000000G 00      02 FB 00010  PUSHAB DESC
      SE          08 C0 00017  CALLS #2, SYSSNDOPR
      05 0001A  ADDL2 #8, SP          ; 0305
      RSB

```

; Routine Size: 27 bytes, Routine Base: \$CODE\$ + 0000

```

: 114      0306 1
: 115      0307 1
: 116      0308 1 END
: 117      0309 0 ELUDOM
! End of CSPOPCOM

```

PSECT SUMMARY

Name	Bytes	Attributes
\$CODE\$	27	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]LIB.L32;1	18619	3	0	1000	00:01.4

COMMAND QUALIFIERS

; BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS\$:CSPOPCOM/OBJ=OBJ\$:CSPOPCOM MSRCS:CSPOPCOM/UPDATE=(ENHS:CSPOPCOM)

```

; Size:      27 code + 0 data bytes
; Run Time:  00:03.5
; Elapsed Time: 00:18.0
; Lines/CPU Min: 5267
; Lexemes/CPU-Min: 33170

```

CSPOPCOM  
V04-000

CSP\$OPCOM (CSD)

6 6  
16-Sep-1984 01:15:24

VAX-11 Bliss-32 V4.0-742

Page 5

CSP  
V04

; Memory Used: 66 pages  
; Compilation Complete

0394 AH-BT13A-SE  
VAX/VMS V4.0

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CSPOPCOM  
LIS

CSPWAIT  
LIS

CSPRPCAC  
LIS

CSPCJFRES  
LIS

CSPQUORUM  
LIS

DISTRKI  
LIS

CSPMOUNT  
LIS

CSPVECTOR  
LIS

CSPCLIENT  
LIS

DSTRLOCK  
LIS

DSTRLOCK  
LIS