


```

CCCCCCCC  SSSSSSSS  PPPPPPPP  VV      VV  EEEEEEEEE  CCCCCCCC  TTTTTTTTTT  000000  RRRRRRRR
CCCCCCCC  SSSSSSSS  PPPPPPPP  VV      VV  EEEEEEEEE  CCCCCCCC  TTTTTTTTTT  000000  RRRRRRRR
CC        SS        PP        PP  VV      VV  EEEEEEEEE  CC        TT        OO        OO  RR        RR
CC        SS        PP        PP  VV      VV  EEEEEEEEE  CC        TT        OO        OO  RR        RR
CC        SS        PP        PP  VV      VV  EEEEEEEEE  CC        TT        OO        OO  RR        RR
CC        SS        PP        PP  VV      VV  EEEEEEEEE  CC        TT        OO        OO  RR        RR
CC        SS        PP        PP  VV      VV  EEEEEEEEE  CC        TT        OO        OO  RR        RR
CC        SS        PP        PP  VV      VV  EEEEEEEEE  CC        TT        OO        OO  RR        RR
CC        SS        PP        PP  VV      VV  EEEEEEEEE  CC        TT        OO        OO  RR        RR
CC        SS        PP        PP  VV      VV  EEEEEEEEE  CC        TT        OO        OO  RR        RR
CCCCCCCC  SSSSSSSS  PPPPPPPP  VV      VV  EEEEEEEEE  CCCCCCCC  TTTTTTTTTT  000000  RRRRRRRR
CCCCCCCC  SSSSSSSS  PPPPPPPP  VV      VV  EEEEEEEEE  CCCCCCCC  TTTTTTTTTT  000000  RRRRRRRR

```

```

LL        IIIIIII  SSSSSSSS
LL        IIIIIII  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
LLLLLLLLLL IIIIIII  SSSSSSSS
LLLLLLLLLL IIIIIII  SSSSSSSS

```

```
0000 1 .TITLE CSPVECTOR
0000 2 .IDENT 'V04-000'
0000 3
0000 4 *****
0000 5 *
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0000 23 *
0000 24 *
0000 25 *****
0000 26
0000 27 ++
0000 28
0000 29 FACILITY: VMS Cluster Server Process
0000 30
0000 31 ABSTRACT: Table of addresses of action routines.
0000 32
0000 33 AUTHOR: Paul R. Beck
0000 34
0000 35 DATE: 22-MAR-1983 Last Edit: 22-JUN-1983 19:13:01
0000 36
0000 37 REVISION HISTORY:
0000 38
0000 39 V03-006 HH0004 Hai Huang 8-Mar-1984
0000 40 Add dispatch to CSP$MOUNT.
0000 41
0000 42 V03-005 ADE0002 Alan D. Eldridge 28-Feb-1984
0000 43 Add dispatch to CSP$QUORUM. Change CSP$OPCOM_ACTION to
0000 44 CSP$OPCOM.
0000 45
0000 46 V03-004 ADE0001 Alan D. Eldridge 5-Feb-1984
0000 47 General cleanup.
0000 48
0000 49 V03-003 CWH3001 CW Hobbs 14-JUL-1983
0000 50 Add OPCOM client
0000 51
0000 52 V03-002 PRB0201 Paul Beck 2-MAY-1983 19:28:49
0000 53 Fix calculation of CSP$K_MAXACTION.
0000 54
0000 55 V03-001 JLV0249 Jake VanNoy 29-APR-1983
0000 56 Add CSP$BRKTHRU client.
0000 57
```


CSPVECTOR
V04-000

M 8

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5-SEP-1984 04:09:06 [SYSLOA.SRC]CSPVECTOR.MAR;1 (1)

0000 58 :--
0000 59 :-- \$CSDDEF

```
0000 61      assume CSD$K_TEST      equal 1
0000 62      assume CSD$K_BRKTHRU   equal 2
0000 63      assume CSD$K_RCPC      equal 3
0000 64      assume CSD$K_JNL_MASTER equal 4
0000 65      assume CSD$K_OPCOM     equal 5
0000 66      assume CSD$K_MOUNT     equal 6
0000 67      assume CSD$K_QUORUM    equal 7
0000 68
0000 69 CSP$GL_ACTIONVEC::
00000000 0000 70      .LONG          0
00000020' 0004 71      .ADDRESS      CSP$TEST ROUTINE      : Client 1
00000000' 0008 72      .ADDRESS      CSP$BRKTHRU          : Client 2: Breakthrough
00000000' 000C 73      .ADDRESS      CSP$RCPCACT           : Client 3: RCP control
00000020' 0010 74      .ADDRESS      CSP$TEST ROUTINE      : Client 4: Journal remastering
00000000' 0014 75      .ADDRESS      CSP$OPCOM            : Client 5: Operator communications
00000000' 0018 76      .ADDRESS      CSP$MOUNT            : Client 6: Mount
00000000' 001C 77      .ADDRESS      CSP$QUORUM            : Client 7: Quorum disk
0020 78
0020 79 :
0020 80 :
0020 81 : Define maximum allowable client code.
0020 82 :
0020 83 :
00000007 0020 84 CSP$K_MAXACTION == <. - <CSP$GL_ACTIONVEC+4>> / 4
0020 85
0020 86 :
0020 87 :
0020 88 : TEMPORARY
0020 89 :
0020 90 :
0020 91 CSP$TEST_ROUTINE:
0020 92 :
0020 93 :
0020 94 : R2 -> CSD from source
0020 95 :
0020 96 :
50 00000000'8F D0 0020 97      MOVL      #SS$_NORMAL,R0
0027 05 0027 98      RSB
0028 99
0028 100
0028 101 .END
```


CSPVECTOR
Symbol table

B 9

16-SEP-1984 01:11:26 VAX/VMS Macro V04-00 Page 4
5-SEP-1984 04:09:06 [SYSLOA.SRC]CSPVECTOR.MAR;1 (2)

```

CSD$K_BRKTHRU      = 00000002
CSD$K_JNL_MASTER   = 00000004
CSD$K_MOUNT        = 00000006
CSD$K_OPCOM        = 00000005
CSD$K_QUORUM       = 00000007
CSD$K_RCPC         = 00000003
CSD$K_TEST         = 00000001
CSP$BRKTHRU        ***** X 01
CSP$GL_ACTIONVEC   = 00000000 RG 01
CSP$K_MAXACTION    = 00000007 G
CSP$MOUNT          ***** X 01
CSP$OPCOM          ***** X 01
CSP$QUORUM         ***** X 01
CSP$RCPCACT        ***** X 01
CSP$TEST_ROUTINE  = 00000020 R 01
SS$_NORMAL         ***** X 01
  
```

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
. ABS :	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
. BLANK :	00000028 (40.)	01 (1.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE
\$AB\$\$	00000000 (0.)	02 (2.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	36	00:00:00.03	00:00:02.56
Command processing	141	00:00:00.46	00:00:03.61
Pass 1	143	00:00:01.01	00:00:07.68
Symbol table sort	0	00:00:00.06	00:00:00.55
Pass 2	35	00:00:00.26	00:00:01.74
Symbol table output	3	00:00:00.01	00:00:00.37
Psect synopsis output	1	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	362	00:00:01.86	00:00:16.53

The working set limit was 1200 pages.
5558 bytes (11 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 97 non-local and 0 local symbols.
101 source lines were read in Pass 1, producing 12 object records in Pass 2.
9 pages of virtual memory were used to define 8 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
-----	-----
_\$255\$DUA28:[SYSLOA.OBJ]CLUSTER.MLB;1	1
_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	4
TOTALS (all libraries)	5

153 GETS were required to define 5 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:CSPVECTOR/OBJ=OBJ\$:CSPVECTOR MSRC\$:CSPVECTOR/UPDATE=(ENH\$:CSPVECTOR)+EXECMLS/LIB+LIB\$:CLUSTER/LIB

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

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LIS

CSPWAIT
LIS

CSPRPCAC
LIS

CSPCJFRES
LIS

CSPQUORUM
LIS

DISTRKI
LIS

CSPMOUNT
LIS

CSPVECTOR
LIS

CSPCLIENT
LIS

DSTRLOCK
LIS

DSTRLOCK
LIS