


```

CCCCCCCC  SSSSSSSS  PPPPPPPP  CCCCCCCC  AAAAAA  LL  LL  AAAAAA  CCCCCCCC  TTTTTTTTTT
CCCCCCCC  SSSSSSSS  PPPPPPPP  CCCCCCCC  AAAAAA  LL  LL  AAAAAA  CCCCCCCC  TTTTTTTTTT
CC         SS        PP        PP        CC         AA        AA  LL  LL  AA        AA  CC         TT
CC         SS        PP        PP        CC         AA        AA  LL  LL  AA        AA  CC         TT
CC         SS        PP        PP        CC         AA        AA  LL  LL  AA        AA  CC         TT
CC         SS        PP        PP        CC         AA        AA  LL  LL  AA        AA  CC         TT
CC         SS        PP        PP        CC         AA        AA  LL  LL  AA        AA  CC         TT
CC         SS        PP        PP        CC         AA        AA  LL  LL  AA        AA  CC         TT
CC         SS        PP        PP        CC         AA        AA  LL  LL  AA        AA  CC         TT
CC         SS        PP        PP        CC         AA        AA  LL  LL  AA        AA  CC         TT
CCCCCCCC  SSSSSSSS  PPPPPPPP  CCCCCCCC  AAAAAA  LL  LL  AAAAAA  CCCCCCCC  TTTTTTTTTT
CCCCCCCC  SSSSSSSS  PPPPPPPP  CCCCCCCC  AAAAAA  LL  LL  AAAAAA  CCCCCCCC  TTTTTTTTTT

```

```

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

```

CSPCALLACT
Table of contents

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(2) 58 CSP\$\$CALL_ACTION

CSP\$\$CALL_ACTION

```

0000 58 .SBTTL CSP$$CALL_ACTION
0000 59 :++
0000 60 :
0000 61 : Call the action routine for the client indicated in the request buffer.
0000 62 :
0000 63 : CALLING SEQUENCE: JSB CSP$$CALL_ACTION
0000 64 :
0000 65 : INPUT PARAMETERS: R2 = address of CSD structure
0000 66 :
0000 67 : OUTPUT PARAMETERS: None
0000 68 :
0000 69 : COMPLETION CODES: None
0000 70 :
0000 71 :--
0000 72 CSP$$CALL_ACTION::
50 OC A2 3C 0000 73 MOVZWL CSD$W_CODE(R2),R0 ; Get client code
00000000'8F 18 13 0004 74 BEQL 10$ ; If EQL, no client supplied.
51 00000000'GF OF 14 000D 75 CMPL R0,#CSP$K_MAXACTION ; Is it within range?
51 51 6140 9E 000F 76 BGTR 10$ ; If GTRU, no
51 51 6140 9E 000F 77 MOVAB G^CSP$GL_ACTIONVEC,R1 ; Get vector of action routine addresses
51 51 6140 9E 0016 78 MOVL (R1)[R0],R1 ; Get address of action routine
51 51 6140 9E 001A 79 BEQL 10$ ; If EQL, no such routine (unsupported)
51 51 6140 9E 001C 80 ;JSB (R1) ; Call the action routine
51 51 6140 9E 001C 81 ;RSB ; Return to caller
51 51 6140 9E 001C 82 JMP (R1) ; Call the action routine and return.
51 51 6140 9E 001E 83 :
51 51 6140 9E 001E 84 : Handle error case: no such action routine
51 51 6140 9E 001E 85 :
51 51 6140 9E 001E 86 10$: MOVL #SS$_BADPARAM,R0 ; Return error code
51 51 6140 9E 0025 87 RSB ; ... to caller
51 51 6140 9E 0026 88
51 51 6140 9E 0026 89
51 51 6140 9E 0026 90 .END

```

CSPCALLACT
Symbol table

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5-SEP-1984 04:08:29 [SYSLOA.SRC]CSPCALLACT.MAR;1 (2)

```
CSDSW CODE          = 0000000C
CSPSSCALL ACTION    00000000 RG   02
CSP$GL ACTIONVEC    ***** X   02
CSP$K MAXACTION     ***** X   02
SS$_BADPARAM        ***** X   02
```

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$AB\$\$	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
CODE	00000026 (38.)	02 (2.)	NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.02	00:00:01.53
Command processing	108	00:00:00.43	00:00:03.16
Pass 1	141	00:00:01.06	00:00:05.97
Symbol table sort	0	00:00:00.06	00:00:00.41
Pass 2	37	00:00:00.23	00:00:01.98
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	1	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	320	00:00:01.83	00:00:13.08

The working set limit was 1050 pages.
6102 bytes (12 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 102 non-local and 1 local symbols.
90 source lines were read in Pass 1, producing 13 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	2
-\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	0
-\$255\$DUA28:[SYSLIB]STARLET.MLB;2	3
TOTALS (all libraries)	5

161 GETS were required to define 5 macros.

There were no errors, warnings or information messages.

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

0393 AH-BT13A-SE
VAX/VMS V4.0

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The image displays a grid of 144 terminal windows, arranged in 12 rows and 12 columns. Each window shows a different system utility or command-line interface. Several windows are highlighted with larger text labels:

- CSPCALL LIS
- CSPUFMAS LIS
- CSP LIS
- CSPBKTHR LIS
- CONUTIL LIS
- CONSUBS LIS

The background of the terminal windows is dark with light-colored text and graphics.