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CCCCCCCC  SSSSSSSS  PPPPPPPP  RRRRRRRR  CCCCCCCC  PPPPPPPP  CCCCCCCC  AAAAAA  CCCCCCCC
CCCCCCCC  SSSSSSSS  PPPPPPPP  RRRRRRRR  CCCCCCCC  PPPPPPPP  CCCCCCCC  AAAAAA  CCCCCCCC
CC         SS        PP        RR        CC        PP        CC        AA        CC
CC         SS        PP        RR        CC        PP        CC        AA        CC
CC         SS        PP        RR        CC        PP        CC        AA        CC
CC         SS        PP        RR        CC        PP        CC        AA        CC
CC         SS        PP        RR        CC        PP        CC        AA        CC
CC         SS        PP        RR        CC        PP        CC        AA        CC
CC         SS        PP        RR        CC        PP        CC        AA        CC
CC         SS        PP        RR        CC        PP        CC        AA        CC
CCCCCCCC  SSSSSSSS  PP        RR        CC        PP        CC        AA        CC
CCCCCCCC  SSSSSSSS  PP        RR        CC        PP        CC        AA        CC

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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
LLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLL IIIIII  SSSSSSSS

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```
0001 0 MODULE CSPRCPCAC
0002 0      (IDENT = 'V04-000'
0003 0      ,LANGUAGE (BLISS32)
0004 0      ,ADDRESSING_MODE (EXTERNAL = GENERAL)
0005 0      ) =
0006 1 BEGIN
0007 1
0008 1 *****
0009 1 *
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0027 1 *
0028 1 *****
0029 1
0030 1 ++
0031 1
0032 1 FACILITY:      Cluster Server Process
0033 1
0034 1 ABSTRACT:      Action routine for Recovery Control Process control functions
0035 1
0036 1 AUTHOR:        Paul R. Beck
0037 1
0038 1 DATE:          9-JUN-1983          Last Edit: 29-JUL-1983 17:59:54
0039 1
0040 1 REVISION HISTORY:
0041 1
0042 1     V03-003 ADE001      Alan D. Eldridge      10-Feb-1984
0043 1     Rename module
0044 1
0045 1     V03-002 PRB0233      Paul Beck      29-JUL-1983 17:59
0046 1     Renamed to CSPRCPCAC.B32 (9 char!) Also, get CSPDEF from LIB$.
0047 1
0048 1     V03-001 PRB0215      Paul Beck      26-JUN-1983 21:10
0049 1     Get CSPDEF from SHRLIB.
0050 1 --
```

```
.. 52      0051 1 ! Require files:
.. 53      0052 1 !
.. 54      0053 1 LIBRARY
.. 55      0054 1 'SYSS$LIBRARY:LIB';           ! define system services
.. 56      0055 1 REQUIRE
.. 57      0056 1 'LIBS:CSPDEF';           ! define CSD offsets
.. 58      0250 1 LINKAGE
.. 59      0251 1 JSB_2 = JSB (REGISTER=2);
.. 60      0252 1 !+
.. 61      0253 1 ! External references
.. 62      0254 1 !-
.. 63      0255 1 EXTERNAL
.. 64      0256 1 CSP$GL_CURCTX;           ! address of current context block
.. 65      0257 1 EXTERNAL LITERAL
.. 66      0258 1 EXESC_SYSEFN;           ! system event flag
```

```

: 68 0259 1 %SBTTL 'CSP$RCPCACT - action routine for Recovery Control Process'
: 69 0260 1 ++
: 70 0261 1 CSP$RCPCACT
: 71 0262 1
: 72 0263 1 FUNCTIONAL DESCRIPTION:
: 73 0264 1 Action routine which runs in the context of the Cluster Server
: 74 0265 1 Process to receive RCP control blocks from other RCPs in the
: 75 0266 1 cluster and forward them to the local RCP through its input mailbox.
: 76 0267 1 CALLING SEQUENCE:
: 77 0268 1 JSB CSP$RCPCACT via CASE table
: 78 0269 1 FORMAL PARAMETERS:
: 79 0270 1 P1 (R2) = address of CSD received for RCPC action routine
: 80 0271 1 IMPLICIT PARAMETERS:
: 81 0272 1 CSD$SENDOFF = address of RCP control structure.
: 82 0273 1 COMPLETION CODES:
: 83 0274 1
: 84 0275 1 --
: 85 0276 1 GLOBAL ROUTINE CSP$RCPCACT ( CSD: REF BLOCK [,BYTE] ): JSB_2 =
: 86 0277 1 BEGIN
: 87 0278 1 LOCAL
: 88 0279 1 RCPC : REF BLOCK [,BYTE], : portion of CSD to fwd to RCP
: 89 0280 1 CHANNEL : WORD, : channel to RCP input mailbox
: 90 0281 1 IOSB : VECTOR [2, LONG], : local IOSB
: 91 0282 1 STATUS;
: 92 0283 1 EXTERNAL ROUTINE
: 93 0284 1 CSP$WAIT, : common stall routine
: 94 0285 1 CSP$RESUME; : common completion AST
: 95 0286 1
: 96 0287 1 STATUS = $ASSIGN ( DEVNAM = %ASCID 'JNL$RCP_INPUT', CHAN = CHANNEL );
: 97 0288 1 IF NOT .STATUS THEN RETURN .STATUS;
: 98 0289 1 RCPC = .CSD [CSD$SENDOFF];
: 99 0290 1 STATUS = $QIO ( CHAN = .CHANNEL,
: 100 P 0291 1 FUNC = IOS$WRITEVBLK,
: 101 P 0292 1 IOSB = IOSB,
: 102 P 0293 1 EFN = EXE$SYSEFN,
: 103 P 0294 1 ASTADR = CSP$RESUME,
: 104 P 0295 1 ASTPRM = .CSP$GL_CURCTX,
: 105 P 0296 1 P1 = .RCPC,
: 106 0297 1 P2 = .RCPC [RRPSW_SIZE] );
: 107 0298 1
: 108 0299 1 Wait for I/O to complete. Allow other threads to run.
: 109 0300 1
: 110 0301 1 IF .STATUS THEN CSP$WAIT();
: 111 0302 1
: 112 0303 1 That's all, folks.
: 113 0304 1
: 114 0305 1 RETURN $DASSGN ( CHAN = .CHANNEL );
: 115 0306 1 END;

```

```

.TITLE CSPRCPCAC
.IDENT \V04-000\
.PSECT SPLITS,NOWRT,NOEXE,2

```

```

00 00 54 55 50 4E 49 5F 50 43 52 24 4C 4E 4A 0000 P.AAB: .ASCII \JNL$RCP_INPUT\<0><0><0>
00 000F

```

⋮

010E000D, 00010 P.AAA: .LONG 17694733
00000000, 00014 .ADDRESS P.AAB

.EXTRN CSP\$GL_CURCTX, EXESC_SYSEFN
.EXTRN CSP\$\$WAIT, CSP\$\$RESUME
.EXTRN SYSS\$ASSIGN, SYSS\$QIO
.EXTRN SYSS\$DASSGN

.PSECT \$CODE\$,NOWRT,2

5E		0C	C2	0000	CSP\$RCPCACT::		
		7E	7C	00003	SUBL2	#12, SP	: 0276
		AE	9F	00005	CLRQ	-(SP)	: 0287
	08	CF	9F	00008	PUSHAB	CHANNEL	
	00000000G	04	FB	0000C	PUSHAB	P.AAA	
	44	50	E9	00013	CALLS	#4, SYSS\$ASSIGN	
	51	16	A2	00016	BLBC	STATUS, 2\$: 0288
		7E	7C	0001A	MOVL	22(CSD), RCPC	: 0289
		7E	7C	0001C	CLRQ	-(SP)	: 0297
	7E	08	A1	3C	0001E	MOVZWL	8(RCPC), -(SP)
		51	DD	00022	PUSHL	RCPC	
	00000000G	00	DD	00024	PUSHL	CSP\$GL_CURCTX	
	00000000G	00	9F	0002A	PUSHAB	CSP\$\$RESUME	
		24	AE	9F	00030	PUSHAB	IOSB
		30	DD	00033	PUSHL	#48	
	7E	28	AE	3C	00035	MOVZWL	CHANNEL, -(SP)
	00000000G	8F	DD	00039	PUSHL	#EXESC_SYSEFN	
	00000000G	00	0C	FB	0003F	CALLS	#12, SYSS\$QIO
	07	50	E9	00046	BLBC	STATUS, 1\$: 0301
	00000000G	00	00	FB	00049	CALLS	#0, CSP\$\$WAIT
	7E	6E	3C	00050	1\$: MOVZWL	CHANNEL, -(SP)	: 0305
	00000000G	00	01	FB	00053	CALLS	#1, SYSS\$DASSGN
	5E	0C	C0	0005A	2\$: ADDL2	#12, SP	: 0306
		05	0005D	RSB			

; Routine Size: 94 bytes, Routine Base: \$CODE\$ + 0000

: 117
: 118
0307 1 END
0308 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
\$SPLITS	24	NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$CODES	94	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	7	0	1000	00:01.4

COMMAND QUALIFIERS

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

: Size: 94 code + 24 data bytes
: Run Time: 00:04.4
: Elapsed Time: 00:22.3
: Lines/CPU Min: 4228
: Lexemes/CPU-Min: 36411
: Memory Used: 88 pages
: Compilation Complete

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

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LIS

DISTRKI
LIS

CSPMOUNT
LIS

CSPVECTOR
LIS

CSPCLIENT
LIS

DSTRLOCK
LIS

DSTRLOCK
LIS