


```
CCCCCCCC  SSSSSSSS  PPPPPPPP
CCCCCCCC  SSSSSSSS  PPPPPPPP
CC         SS         PP         PP
CC         SS         PP         PP
CC         SS         PP         PP
CC         SS         PP         PP
CC         SSSSSS     PPPPPPPP
CC         SSSSSS     PPPPPPPP
CC         SS         PP
CC         SS         PP
CC         SS         PP
CC         SS         PP
CCCCCCCC  SSSSSSSS  PP
CCCCCCCC  SSSSSSSS  PP
.....
.....
.....
.....
```

```
MM        MM        AAAAAA  PPPPPPPP
MM        MM        AAAAAA  PPPPPPPP
MMM       MMM       AA        AA  PP         PP
MMM       MMM       AA        AA  PP         PP
MM        MM        AA        AA  PP         PP
MM        MM        AA        AA  PP         PP
MM        MM        AA        AA  PPPPPPPP
MM        MM        AA        AA  PPPPPPPP
MM        MM        AAAAAAAAAA  PP
MM        MM        AAAAAAAAAA  PP
MM        MM        AA        AA  PP
MM        MM        AA        AA  PP
MM        MM        AA        AA  PP
MM        MM        AA        AA  PP
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+-----+
! Object Module Synopsis !
+-----+

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Module Name	Ident	Bytes	File	Creation Date	Creator
CSP	V04-001	1428	-\$255\$DUA18:[SYSLOA.OBJ]SYSLOA.OLB;2	8-Jan-1985 18:41	VAX-11 Bliss-32 V4.0-742
CSPWAIT	V04-000	441	-\$255\$DUA18:[SYSLOA.OBJ]SYSLOA.OLB;2	8-JAN-1985 18:39	VAX/VMS Macro V04-00
CSPCALLACT	V04-000	38	-\$255\$DUA18:[SYSLOA.OBJ]SYSLOA.OLB;2	8-JAN-1985 18:39	VAX/VMS Macro V04-00
CSPVECTOR	V04-000	40	-\$255\$DUA18:[SYSLOA.OBJ]SYSLOA.OLB;2	8-JAN-1985 18:39	VAX/VMS Macro V04-00
CSPBRKTHRU	V04-000	118	-\$255\$DUA18:[SYSLOA.OBJ]SYSLOA.OLB;2	8-JAN-1985 18:39	VAX/VMS Macro V04-00
CSPRCPCAC	V04-000	118	-\$255\$DUA18:[SYSLOA.OBJ]SYSLOA.OLB;2	8-Jan-1985 18:43	VAX-11 Bliss-32 V4.0-742
CSPCJFRES	V04-000	49	-\$255\$DUA18:[SYSLOA.OBJ]SYSLOA.OLB;2	8-JAN-1985 17:45	VAX/VMS Macro V04-00
CSPOPCOM	V04-000	27	-\$255\$DUA18:[SYSLOA.OBJ]SYSLOA.OLB;2	8-Jan-1985 18:43	VAX-11 Bliss-32 V4.0-742
CSPMOUNT	V04-000	369	-\$255\$DUA18:[SYSLOA.OBJ]SYSLOA.OLB;2	8-Jan-1985 18:42	VAX-11 Bliss-32 V4.0-742
CSPQUORUM	V04-001	2914	-\$255\$DUA18:[SYSLOA.OBJ]SYSLOA.OLB;2	8-JAN-1985 18:40	VAX/VMS Macro V04-00
SYS	V04-000	0	-\$255\$DUA18:[SYSOBJ]SYS.STB;1	16-SEP-1984 04:00	VAX-11 Linker V04-00
SYS\$SSDEF	V04-000	0	-\$255\$DUA18:[SYSLIB]STARLET.OLB;3	16-SEP-1984 01:18	VAX/VMS Macro V04-00
SYS\$P1_VECTOR	V04-000	0	-\$255\$DUA18:[SYSLIB]STARLET.OLB;3	16-SEP-1984 00:40	VAX/VMS Macro V04-00
LIBRTL	V04-000	0	-\$255\$DUA18:[SYSLIB]LIBRTL.EXE;2	8-JAN-1985 18:59	VAX-11 Linker V04-00
DISMNTSHR	V04-000	0	-\$255\$DUA18:[SYSLIB]DISMNTSHR.EXE;1	16-SEP-1984 04:13	VAX-11 Linker V04-00
MOUNTSHR	V04-000	0	-\$255\$DUA18:[SYSLIB]MOUNTSHR.EXE;1	16-SEP-1984 04:14	VAX-11 Linker V04-00

! Image Section Synopsis !

<u>Cluster</u>	<u>Type</u>	<u>Pages</u>	<u>Base Addr</u>	<u>Disk VBN</u>	<u>PFC</u>	<u>Protection and Paging</u>	<u>Global Sec. Name</u>	<u>Match</u>	<u>Majorid</u>	<u>Minorid</u>
DEFAULT_CLUSTER	0	1	00000200	2	0	READ ONLY				
	0	1	00000400	3	0	READ WRITE	COPY ON REF			
	0	4	00000600	4	0	READ ONLY				
	0	7	00000E00	8	0	READ WRITE	COPY ON REF			
	0	1	00001C00	15	0	READ WRITE	FIXUP VECTORS			
	253	20	7FFFD800	0	0	READ WRITE	DEMAND ZERO			
LIBRTL	3	111	00000000-R	0	0	READ ONLY	LIBRTL_001	LESS/EQUAL	1	11
	4	1	0000DE00-R	0	0	READ WRITE	LIBRTL_002	LESS/EQUAL	1	11
DISMNTSHR	4	1	P-00000000-R	0	0	READ ONLY	DISMNTSHR_001	LESS/EQUAL	1	1
	4	1	P-00000200-R	0	0	READ ONLY	DISMNTSHR_002	LESS/EQUAL	1	1
	2	1	P-00000400-R	0	0	READ WRITE	DISMNTSHR_003	LESS/EQUAL	1	1
	3	5	P-00000600-R	0	0	READ ONLY	DISMNTSHR_004	LESS/EQUAL	1	1
	2	1	P-00001000-R	0	0	READ WRITE	DISMNTSHR_005	LESS/EQUAL	1	1
MOUNTSHR	4	1	P-00000000-R	0	0	READ ONLY	MOUNTSHR_001	LESS/EQUAL	1	1
	4	1	P-00000200-R	0	0	READ ONLY	MOUNTSHR_002	LESS/EQUAL	1	1
	1	6	P-00000400-R	0	0	READ WRITE	MOUNTSHR_003	LESS/EQUAL	1	1
	1	77	P-00001000-R	0	0	READ WRITE	MOUNTSHR_004	LESS/EQUAL	1	1
	2	27	P-0000AA00-R	0	0	READ WRITE	MOUNTSHR_005	LESS/EQUAL	1	1
	3	5	P-0000E000-R	0	0	READ ONLY	MOUNTSHR_006	LESS/EQUAL	1	1
	2	1	P-0000EA00-R	0	0	READ WRITE	MOUNTSHR_007	LESS/EQUAL	1	1

Key for special characters above:

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: R - Relocatable :
: P - Protected   :
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! Program Section Synopsis !

<u>Psect Name</u>	<u>Module Name</u>	<u>Base</u>	<u>End</u>	<u>Length</u>	<u>Align</u>	<u>Attributes</u>	
\$SPLITS	CSP	00000200	0000032B	0000012C (300.)	LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT,NOVEC
	CSPWAIT	00000200	000002D3	000000D4 (	212.)	LONG 2
	CSPRCPCAC	000002D4	000002F7	00000024 (	36.)	LONG 2
	CSPMOUNT	000002F8	0000030F	00000018 (	24.)	LONG 2
			00000310	0000032B	0000001C (28.)		LONG 2
\$GLOBALS	CSP	00000400	0000041B	0000001C (28.)	LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
		00000400	0000041B	0000001C (	28.)	LONG 2
\$OWNS	CSP	0000041C	0000051B	00000100 (256.)	LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
		0000041C	0000051B	00000100 (256.)	LONG 2	
\$CODES	CSP	00000600	00000C34	00000635 (1589.)	LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
	CSPWAIT	00000600	000009A3	000003A4 (	932.)	LONG 2
	CSPRCPCAC	000009A4	00000A60	000000BD (	189.)	LONG 2
	CSPOPCOM	00000A64	00000AC1	0000005E (	94.)	LONG 2
	CSPMOUNT	00000AC4	00000ADE	0000001B (	27.)	LONG 2
			00000AE0	00000C34	00000155 (341.)		LONG 2
CODE	CSPCALLACT	00000C35	00000C5A	00000026 (38.)	BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
		00000C35	00000C5A	00000026 (	38.)	BYTE 0
. BLANK .	CSPWAIT	00000E00	00001AD7	00000CD8 (3288.)	BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD, WRT,NOVEC
	CSPVECTOR	00000E00	00000ED7	000000D8 (	216.)	BYTE 0
	CSPBRKTHRU	00000ED8	00000EFF	00000028 (	40.)	BYTE 0
	CSPQUORUM	00000F00	00000F75	00000076 (	118.)	BYTE 0
			00000F76	00001AD7	00000B62 (2914.)		BYTE 0
CJF\$CSP_CODE	CSPCJFRES	00001AD8	00001B08	00000031 (49.)	BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD, WRT,NOVEC
		00001AD8	00001B08	00000031 (	49.)	BYTE 0

! Symbol Cross Reference !

Symbol	Value	Defined By	Referenced By ...
CJF\$RESUME FAILOVER	00001AE0-R	CSPCJFRES	
CLU\$GB_QDISK	80003EB4	SYS	CSPQUORUM
CLU\$GL_CLUB	80003794	SYS	CSP
CLU\$GW_QDSKINTERVAL	80003EC6	SYS	CSPCJFRES CSPQUORUM
CNX\$DISK CHANGE	80003882	SYS	CSPQUORUM
CSP\$\$CALC_ACTION	00000C35-R	CSPCALLACT	CSP
CSP\$\$CRASH	00000993-R	CSP	CSPWAIT
CSP\$\$CREATE_CTX	00000A06-R	CSPWAIT	CSP
CSP\$\$DELETE_CTX	00000A3B-R	CSPWAIT	CSP
CSP\$\$FORK	00000EA3-R	CSPWAIT	CSP
CSP\$\$RESUME	00000E08-R	CSPWAIT	CSP
CSP\$\$SAVE_STACK	000009A4-R	CSPWAIT	CSPBRKTHRU CSPQUORUM CSRPCPCAC
CSP\$\$WAIT	00000E50-R	CSPWAIT	CSP
CSP\$BRKTHRU	00000F00-R	CSPBRKTHRU	CSPBRKTHRU CSPQUORUM CSRPCPCAC
CSP\$GL_ACTIONVEC	00000ED8-R	CSPVECTOR	CSPVECTOR
CSP\$GL_BASE_FP	00000400-R	CSP	CSPCALLACT
CSP\$GL_CSPQ	00000404-R	CSP	CSPWAIT
CSP\$GL_CURCTX	00000418-R	CSP	CSPBRKTHRU
CSP\$GQ_RESUME	00000408-R	CSP	CSPQUORUM CSRPCPCAC
CSP\$GQ_WAIT	00000410-R	CSP	CSPWAIT
CSP\$K_MAXACTION	00000007	CSPVECTOR	CSPCALLACT
CSP\$MOUNT	00000AE0-R	CSPMOUNT	CSPVECTOR
CSP\$OPCOM	00000AC4-R	C\$OPCOM	CSPVECTOR
CSP\$QUORUM	0000169F-R	CSPQUORUM	CSPVECTOR
CSP\$RPCACT	00000A64-R	CSRPCPCAC	CSPVECTOR
CSP\$TELL_OPCOM	00000820-R	CSP	CSPQUORUM
CTL\$GL_CBBASE	7FFEFF38	SYS	CSPWAIT CSPQUORUM
EXE\$CSP_COMMAND	800038A6	SYS	CSP
EXE\$C_SYSEFN	0000001F	SYS	CSRPCPCAC
EXE\$DEANONPAGED	8000A9F9	SYS	CSP
FAILOVER ID	00001AD8-R	CSPCJFRES	
KERNEL_ENQW	00000816-R	CSP	
LIB\$FREE_EF	00001C4C-RX	LIBRTL	CSPMOUNT
LIB\$FREE_VM	00001C50-RX	LIBRTL	CSP
LIB\$GET_EF	00001C48-RX	LIBRTL	CSPWAIT CSPMOUNT
LIB\$GET_VM	00001C54-RX	LIBRTL	CSP
MUMBLE	0000098D-R	CSP	CSPWAIT
PR\$ IPL	00000012	SYS	CSPCJFRES
RESUME_ADDRESS	00001ADC-R	CSPCJFRES	CSPQUORUM
SCH\$GL_CURPCB	800021F8	SYS	CSPMOUNT
SS\$BADPARAM	00000014	SYS	CSP
SS\$NOPRIVSTR	00002800	SYS\$\$SDEF	CSPCALLACT
SS\$NORMAL	00000001	SYS	CSPWAIT
SYS\$ASSIGN	7FFEDE50	SYS	CSPBRKTHRU
SYS\$BINTIM	7FFEDE58	SYS	CSPVECTOR CSPWAIT
SYS\$BRKTHRU	7FFEE4C8	SYS	CSPQUORUM CSRPCPCAC
SYS\$CMKRNL	7FFEE490	SYS\$P1_VECTOR	CSP
SYS\$DASSGN	7FFEDEE0	SYS	CSPBRKTHRU
SYS\$DCLEXH	7FFEDEF0	SYS	CSPMOUNT CSPQUORUM CSRPCPCAC

Symbol	Value	Defined By	Referenced By ...
SYSSDISMOU	00001C60-RX	DISMNTSHR	CSPMOUNT
SYSS\$ENQW	7FFEE3D0	SYS	CSP
SYSS\$EXIT	7FFEDF40	SYS	CSP
SYSS\$GETDVIW	7FFEE418	SYS	CSPMOUNT CSPQUORUM
SYSS\$GETSYIW	7FFEE430	SYSSP1_VECTOR	CSP
SYSS\$HIBER	7FFEDF88	SYS	CSP
SYSS\$K_VERSION	48513258	SYS	
SYSSMOUNT	00001C6C-RX	MOUNTSHR	CSPMOUNT
SYSS\$QIO	7FFEDFC8	SYS	CSPQUORUM
SYSS\$SETIMR	7FFEE020	SYS	CSP
SYSS\$NDOPR	7FFEDFC0	SYSSP1_VECTOR	CSP
SYSS\$WAKE	7FFEE080	SYSSP1_VECTOR	CSPWAIT

! Symbols By Value !

Value

Symbols...

Value	Symbols...
00000001	SS\$ NORMAL
00000007	CSP\$K MAXACTION
00000012	PR\$ IPL
00000014	SS\$-BADPARAM
0000001F	EXE\$C SYSEFN
00000400	R-CSP\$GL_BASE_FP
00000404	R-CSP\$GL_CSPQ
00000408	R-CSP\$GQ_RESUME
00000410	R-CSP\$GQ_WAIT
00000418	R-CSP\$GL_CURCTX
00000816	R-KERNEL_ENQW
00000820	R-CSP\$TECL_OPCOM
0000098D	R-MUMBLE
00000993	R-CSP\$\$CRASH
000009A4	R-CSP\$\$SAVE_STACK
00000A06	R-CSP\$\$CREATE_CTX
00000A3B	R-CSP\$\$DELETE_CTX
00000A64	R-CSP\$RCPCACT
00000AC4	R-CSP\$OPCOM
00000AE0	R-CSP\$MOUNT
00000C35	R-CSP\$\$CALL_ACTION
00000E08	R-CSP\$\$RESUME
00000E50	R-CSP\$\$WAIT
00000EA3	R-CSP\$\$FORK
00000ED8	R-CSP\$GL_ACTIONVEC
00000F00	R-CSP\$BRKTHRU
0000169F	R-CSP\$QUORUM
00001AD8	R-FAILOVER_ID
00001ADC	R-RESUME_ADDRESS
00001AE0	R-CJFSRESUME_FAILOVER
00001C48	RX-LIB\$GET_EF
00001C4C	RX-LIB\$FREE_EF
00001C50	RX-LIB\$FREE_VM
00001C54	RX-LIB\$GET_VM
00001C60	RX-SYSSDISMOUNT
00001C6C	RX-SYSSMOUNT
00002800	SS\$ NOPRIVSTR
48513258	SYSS\$K_VERSION
7FFEDE50	SYSS\$ASSIGN
7FFEDE58	SYSS\$BINTIM
7FFEDE90	SYSS\$CMKRN
7FFEDEE0	SYSS\$DASSGN
7FFEDEF0	SYSS\$CLEXH
7FFEDF40	SYSS\$EXIT
7FFEDF88	SYSS\$HIBER
7FFEDFC0	SYSS\$NDOPR
7FFEDFC8	SYSS\$QIO
7FFEE020	SYSS\$SETIMR
7FFEE080	SYSS\$WAKE

<u>Value</u>	<u>Symbols...</u>
7FFEE3D0	SY\$ENQW
7FFEE418	SY\$GETDVIW
7FFEE430	SY\$GETSYIW
7FFEE4C8	SY\$BRKTHRU
7FFEFF38	CTL\$GL_CB\$BASE
800021F8	SCH\$GL_CURPCB
80003794	CLU\$GL_CLUB
80003882	CNX\$DISK_CHANGE
800038A6	EXE\$CSP_COMMAND
80003EB4	CLU\$GB_QDISK
80003EC6	CLU\$GW_QDSKINTERVAL
8000A9F9	EXE\$DEANONPAGED

Key for special characters above:

*	- Undefined
U	- Universal
R	- Relocatable
X	- External

! Image Synopsis !

Virtual memory allocated: 00000200 00001DFF 00001C00 (7168. bytes, 14. pages)
 Stack size: 20. pages
 Image header virtual block limits: 1. (1. block)
 Image binary virtual block limits: 2. (14. blocks)
 Image name and identification: CSP V04-001
 Number of files: 8.
 Number of modules: 16.
 Number of program sections: 14.
 Number of global symbols: 305.
 Number of cross references: 152.
 Number of image sections: 20.
 User transfer address: 00000603
 Number of code references to shareable images: 6.
 Image type: EXECUTABLE.
 Map format: FULL WITH CROSS REFERENCE in file _\$255\$DUA18:[SYSLOA.LIS]CSP.MAP;1
 Estimated map length: 84. blocks

! Link Run Statistics !

Performance Indicators	Page Faults	CPU Time	Elapsed Time
Command processing:	95	00:00:00.27	00:00:00.63
Pass 1:	359	00:00:03.71	00:00:08.47
Allocation/Relocation:	25	00:00:00.14	00:00:00.75
Pass 2:	39	00:00:02.12	00:00:04.69
Map data after object module synopsis:	12	00:00:00.58	00:00:00.94
Symbol table output:	4	00:00:00.12	00:00:00.62
Total run values:	534	00:00:06.94	00:00:16.10

Using a working set limited to 1500 pages and 76 pages of data storage (excluding image)

Total number object records read (both passes): 690
of which 271 were in libraries and 49 were DEBUG data records containing 2302 bytes

Number of modules extracted explicitly = 10
with 2 extracted to resolve undefined symbols

11 library searches were for symbols not in the library searched

A total of 6 global symbol table records was written

LINK/USERLIB=PROC/NOTRACEBACK/EXE=EXE\$:CSP/SYMBOL_TABLE=EXE\$:CSP/MAP=MAP\$:CSP/FULL/CROSS REF LIB\$:SYSLOA/INCLUDE:(CSP,CSPWAIT,CSPCAL
LACT,CSPVECTOR,CSPBRKTHRU,CSPRCPCAC,CSPCJFRES,CSPOPCOM,CSPMOUNT,CSPQUORUM),EXSM:SYS. (B/SELECTIVE

0447 AH-EF71A-SE
VAX/VMS V4.1 SRC LST MCRF UPD

This image shows a dense grid of source code listings from the VAX/VMS system. The listings are arranged in a regular pattern, with each listing occupying a small rectangular area. The text is light-colored on a dark background, making it difficult to read in detail. However, several titles are clearly visible in larger white font:

- SYSLQA**: Located in the upper right quadrant.
- SMGMNUD LIS**: Located in the upper left quadrant.
- SMGPUTEX LIS**: Located in the middle right quadrant.
- SYSLQAW51 MAP**: Located in the lower right quadrant.

The grid is approximately 20 columns wide and 20 rows high. The code listings appear to be organized into sections, with some larger listings having sub-sections. The overall appearance is that of a comprehensive technical reference or source code repository for the VAX/VMS operating system.