
! Object Module Synopsis !

Module Name	Ident	Bytes	File	Creation Date	Creator
ERFSHR	V04-000	0	-\$255\$DUA18:[ERF.OBJ]ERFSHR.EXE;3	9-JAN-1985 17:15	VAX-11 Linker V04-00
FORRTL	V04-000	0	-\$255\$DUA18:[SYSLIB]FORRTL.EXE;2	8-JAN-1985 19:09	VAX-11 Linker V04-00
LIBRTL	V04-000	0	-\$255\$DUA18:[SYSLIB]LIBRTL.EXE;3	9-JAN-1985 17:06	VAX-11 Linker V04-00
MTHRTL	V04-000	0	-\$255\$DUA18:[SYSLIB]MTHRTL.EXE;4	9-JAN-1985 17:10	VAX-11 Linker V04-00
ERFCOMMON	V04-000	0	-\$255\$DUA18:[ERF.OBJ]ERFCOMMON.EXE;3	9-JAN-1985 17:14	VAX-11 Linker V04-00
ERF	V04-000	6425	-\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 15:53	VAX-11 Bliss-32 V4.0-742
ERFPARSER	V04-000	3706	-\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 15:55	VAX-11 Bliss-32 V4.0-742
RECSELECT	V04-001	1870	-\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 15:58	VAX-11 Bliss-32 V4.0-742
UNKN_DISP	V04-000	311	-\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:03	VAX-11 Bliss-32 V4.0-742
TIMR	01	720	-\$255\$DUA18:[ERF.OBJ]ERF.OLB;3	9-Jan-1985 16:18	VAX-11 FORTRAN V3.4-56
CVTIME	V04-000	996	-\$255\$DUA18:[SYSOBJ]CLIUTL.OLB;1	15-SEP-1984 23:39	VAX/VMS Macro V04-00
CLISINTERFACE	V04-000	516	-\$255\$DUA18:[SYSLIB]STARLET.OLB;5	16-Sep-1984 00:32	VAX-11 Bliss-32 V4.0-742
CLISGLOBALS	V04-000	0	-\$255\$DUA18:[SYSLIB]STARLET.OLB;5	15-SEP-1984 23:38	VAX/VMS Macro V04-00
SYSP1_VECTOR	V04-000	0	-\$255\$DUA18:[SYSLIB]STARLET.OLB;5	16-SEP-1984 00:40	VAX/VMS Macro V04-00
LBRSHR	V04-000	0	-\$255\$DUA18:[SYSLIB]LBRSHR.EXE;1	16-SEP-1984 04:16	VAX-11 Linker V04-00

! Module Relocatable Reference Synopsis !

Module Name	Number	Module Name	Number	Module Name	Number
UNKN_DISP	1				

! Image Section Synopsis !

Cluster	Type	Pages	Base Addr	Disk VBN	PFC	Protection and Paging	Global Sec. Name	Match	Majorid	Minorid
ERFSHR	1	2	00000000-R	0	0	READ ONLY	ERFSHR_001	LESS/EQUAL	1	0
	2	2	00000400-R	0	0	READ ONLY	ERFSHR_002	LESS/EQUAL	1	0
	4	17	00000800-R	0	0	READ WRITE COPY ON REF	ERFSHR_003	LESS/EQUAL	1	0
	4	40	00002A00-R	0	0	READ WRITE COPY ON REF	ERFSHR_004	LESS/EQUAL	1	0
	4	53	00007A00-R	0	0	READ ONLY	ERFSHR_005	LESS/EQUAL	1	0
	4	4	P-0000E400-R	0	0	READ ONLY	ERFSHR_006	LESS/EQUAL	1	0
	2	10	0000EC00-R	0	0	READ WRITE FIXUP VECTORS	ERFSHR_007	LESS/EQUAL	1	0
FORRTL	3	63	00000000-R	0	0	READ ONLY	FORRTL_001	LESS/EQUAL	1	100
	4	2	00007E00-R	0	0	READ WRITE COPY ON REF	FORRTL_002	LESS/EQUAL	1	100
	2	1	00008200-R	0	0	READ WRITE FIXUP VECTORS	FORRTL_003	LESS/EQUAL	1	100
LIBRTL	3	111	00000000-R	0	0	READ ONLY	LIBRTL_001	LESS/EQUAL	1	11
	4	1	0000DE00-R	0	0	READ WRITE DEMAND ZERO	LIBRTL_002	LESS/EQUAL	1	11
MTHRTL	3	115	00000000-R	0	0	READ ONLY	MTHRTL_001	LESS/EQUAL	129	32778
	2	1	0000E600-R	0	0	READ WRITE FIXUP VECTORS	MTHRTL_002	LESS/EQUAL	129	32778
ERFCOMMON	4	13	00000000-R	0	0	READ WRITE COPY ON REF	ERFCOMMON_001	LESS/EQUAL	1	0
DEFAULT_CLUSTER	0	3	00000200	2	0	READ ONLY				
	0	2	00000800	5	0	READ WRITE COPY ON REF				
	0	24	00000C00	7	0	READ ONLY				
	0	3	00003C00	31	0	READ WRITE FIXUP VECTORS				
	253	20	7FFFD800	0	0	READ WRITE DEMAND ZERO				
LBRSHR	1	1	00000000-R	0	0	READ ONLY	LBRSHR_001	LESS/EQUAL	2	9
	2	3	00000200-R	0	0	READ WRITE COPY ON REF	LBRSHR_002	LESS/EQUAL	2	9
	2	54	00000800-R	0	0	READ ONLY	LBRSHR_003	LESS/EQUAL	2	9
	4	1	00007400-R	0	0	READ WRITE COPY ON REF	LBRSHR_004	LESS/EQUAL	2	9

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>
SPDATA	TIMRB	00000200 00000200	000002AE 000002AE	000000AF () 000000AF ()	175.) LONG 2 175.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT,NOVEC
SPLIT	ERF ERFPARSER RECSELECT UNKN_DISP	000002B0 000002B0 000004AC 0000071C 00000728	0000077B 000004AB 0000071B 00000727 0000077B	000004CC () 000001FC () 00000270 () 0000000C () 00000054 ()	1228.) LONG 2 508.) LONG 2 624.) LONG 2 12.) LONG 2 84.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD,NOWRT,NOVEC
\$GLOBALS	ERF ERFPARSER	00000800 00000800 000008C8	00000923 000008C5 00000923	00000124 () 000000C6 () 0000005C ()	292.) LONG 2 198.) LONG 2 92.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
\$LOCAL	TIMRB	00000924 00000924	00000997 00000997	00000074 () 00000074 ()	116.) LONG 2 116.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
\$OWNS	ERF ERFPARSER RECSELECT UNKN_DISP	00000998 00000998 00000A38 00000AFC 00000B34	00000B43 00000A37 00000AF9 00000B33 00000B43	000001AC () 000000A0 () 000000C2 () 00000038 () 00000010 ()	428.) LONG 2 160.) LONG 2 194.) LONG 2 56.) LONG 2 16.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
JOB_PARAM	TIMRB	00000B44 00000B44	00000B77 00000B77	00000034 () 00000034 ()	52.) LONG 2 52.) LONG 2	PIC,USR,OVR,REL,GBL, SHR,NOEXE, RD, WRT,NOVEC
QUEUE_DATA	ERFPARSER	00000B78 00000B78	00000B87 00000B87	00000010 () 00000010 ()	16.) QUAD 3 16.) QUAD 3	PIC,USR,CON,REL,LCL,NOSHR,NOEXE, RD, WRT,NOVEC
STAT_VARS	TIMRB	00000B88 00000B88	00000B9B 00000B9B	00000014 () 00000014 ()	20.) LONG 2 20.) LONG 2	PIC,USR,OVR,REL,GBL, SHR,NOEXE, RD, WRT,NOVEC
\$CODE	ERF ERFPARSER RECSELECT UNKN_DISP TIMRB	00000C00 00000C00 000021B8 00002C94 000033A0 00003470	000035D4 000021B6 00002C93 0000339D 0000346E 000035D4	000029D5 () 000015B7 () 00000ADC () 0000070A () 000000CF () 00000165 ()	10709.) LONG 2 5559.) LONG 2 2780.) LONG 2 1802.) LONG 2 207.) LONG 2 357.) LONG 2	PIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
\$CODE\$	CLIS\$INTERFACE	000035D8 000035D8	000037DB 000037DB	00000204 () 00000204 ()	516.) LONG 2 516.) LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
_CNVCLI_CODE	CVTTIME	000037DC 000037DC	00003B33 00003B33	00000358 () 00000358 ()	856.) LONG 2 856.) LONG 2	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC
_CNVCLI_STATE	CVTTIME	00003B34 00003B34	00003BBF 00003BBF	0000008C () 0000008C ()	140.) BYTE 0 140.) BYTE 0	NOPIC,USR,CON,REL,LCL,NOSHR, EXE, RD,NOWRT,NOVEC

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! Symbol Cross Reference !

Symbol	Value	Defined By	Referenced By ...
\$LINE_DESC	000004B4-R	ERFPARSER	
BEFORE_DESC	000004D8-R	ERFPARSER	
BINARY_DESC	000004E8-R	ERFPARSER	
BRIEF_DESC	000004F8-R	ERFPARSER	
BRIEF_XFER_ADDR	000008B8-R	ERF	
BUS	00000001	ERFPARSER	
BUS_DEVICES	00000800-R	ERF	
BUS_IMAGE	00003CD4-RX	ERFSHR	ERF
BUS_VERSION	00003CD0-RX	ERFSHR	ERF
BUS_XFER_ADDR	00003CCC-RX	ERFSHR	ERF
CLASS_DIR	0000091C-R	ERFPARSER	ERF
CLISDCL_PARSE	000036A7-R	CLISINTERFACE	RECSELECT
CLISDISPATCH	00003758-R	CLISINTERFACE	
CLISGET_VALUE	0000361B-R	CLISINTERFACE	ERF
CLISNEXT_QUAL	00003799-R	CLISINTERFACE	ERFPARSER
CLISPRESENT	000035D8-R	CLISINTERFACE	ERFPARSER
CLIS_ABSENT	000381F0	CLISGLOBALS	CLISINTERFACE
CLIS_COMMA	0003FD39	CLISGLOBALS	CLISINTERFACE
CLIS_CONCAT	0003FD29	CLISGLOBALS	CLISINTERFACE
CLIS_DEFAULTED	0003FD21	CLISGLOBALS	CLISINTERFACE
CLIS_LOCNEG	00038230	CLISGLOBALS	CLISINTERFACE
CLIS_LOCPRES	0003FD31	CLISGLOBALS	CLISINTERFACE
CLIS_NEGATED	000381F8	CLISGLOBALS	CLISINTERFACE
CLIS_NOCOMD	000380B0	CLISGLOBALS	CLISINTERFACE
CLIS_PRESENT	0003FD19	CLISGLOBALS	CLISINTERFACE
DCLSCOPY_DXD	00000000		WK-CVTIME
DESC_TABLE_ADDRESS	00000804-R	ERF	
DEVICE_CLASS	000008C4-R	ERF	RECSELECT
DEVICE_OPTION_CHECK	00002B16-R	ERFPARSER	
DEVICE_TYPE	000008C5-R	ERF	RECSELECT
DEVICE_TYPE_ENTRY	0000315E-R	RECSELECT	ERF
DEV_ADDRS_PTR	00000808-R	ERF	ERFPARSER
DEV_CLASS_KEY	000008C8-R	ERFPARSER	RECSELECT
DEV_CLASS_PTR	0000080C-R	ERF	ERFPARSER
DEV_ENTRY_KEY	000008CC-R	ERFPARSER	RECSELECT
DEV_NAME	000008D0-R	ERFPARSER	
DEV_SELECT	000008D4-R	ERFPARSER	
DISK	00000002	ERFPARSER	
DISK_DEVICES	00000810-R	ERF	
DISK_IMAGE	00003CC8-RX	ERFSHR	ERF
DISK_VERSION	00003CC4-RX	ERFSHR	ERF
DISK_XFER_ADDR	00003CC0-RX	ERFSHR	ERF
DUMPREG	00003C60-RX	ERFSHR	UNKN_DISP
EMB	00003D94-RX	ERF COMMON	ERF
ENTRY_DESC	00000508-R	ERFPARSER	RECSELECT
ENTRY_VALUE	000008D8-R	ERFPARSER	
ERFLIB_DESC	000002B8-R	ERF	
ERF_BADEVTYP	080880C4	ERFSHR	ERF
ERF_BADEVVAL	080880BC	ERFSHR	ERF

Symbol	Value	Defined By	Referenced By ...
ERF_BADMODNAM	080880CC	ERF SHR	ERF
ERF_CLSTBLERR	080880B4	ERF SHR	ERF
ERF_CNFQUAVAL	0808808A	ERF SHR	ERFPARSER
ERF_CVTERR	080880AC	ERF SHR	ERF
ERF_DEVSELREQ	08088092	ERF SHR	ERFPARSER
ERF_GETJPIERR	080880A2	ERF SHR	TIMRB
ERF_HERALD	08088013	ERF SHR	ERF
ERF_INCENTRY	0808804B	ERF SHR	RECSELECT
ERF_INPUT	0808800B	ERF SHR	ERF
ERF_INVREPTYP	080880D4	ERF SHR	ERF
ERF_LOADERR	08088043	ERF SHR	ERF
ERF_NOSTATS	08088053	ERF SHR	TIMRB
ERF_NOTFOUND	0808805B	ERF SHR	ERF
ERF_TOOMANCLS	080880DC	ERF SHR	ERF
ERF_TOTAL	0808801B	ERF SHR	ERF
ERF_UNKCLASS	08088023	ERF SHR	ERF
ERF_UNKCPU	0808802B	ERF SHR	RECSELECT
ERF_UNKENTRY	08088033	ERF SHR	ERF
ERF_UNKTYPE	0808803B	ERF SHR	RECSELECT
ERROR	00000002	ERFPARSER	RECSELECT
EXCLUDE_CLASS	000008DC-R	ERFPARSER	
EXCLUDE_DESC	00000518-R	ERFPARSER	ERFPARSER
EXCLUDE_FLAG	000008E2-R	ERFPARSER	RECSELECT
EXCLUDE_KEY	000008E4-R	ERFPARSER	
EXCLUDE_MASK	000008EC-R	ERFPARSER	RECSELECT
EXCLUDE_Q_ENTRY_CNT	000008F0-R	ERFPARSER	
EXEC_IMAGE	00003D28-RX	ERF SHR	ERF
FILE_SPECS_DESC	000004C8-R	ERFPARSER	RECSELECT
FORSIO_END	00003D40-RX	FORRTL	TIMRB
FORSIO_F_R	00003D38-RX	FORRTL	TIMRB
FORSIO_L_R	00003D3C-RX	FORRTL	TIMRB
FORSSECONDS	00003D44-RX	FORRTL	TIMRB
FORSWRITE_SF	00003D34-RX	FORRTL	TIMRB
FULL_DESC	00000524-R	ERFPARSER	
FUNCTION	00000814-R	ERF	
GET_VM	00002C6B-R	ERFPARSER	ERF
HEADER	00003C5C-RX	ERF SHR	UNKN_DISP
HERALD	00000818-R	ERF	
IDENT	0000088C-R	ERF	
IMAGE_LOADER	00003D24-RX	ERF SHR	ERF
INCLUDE_CLASS	000008F4-R	ERFPARSER	
INCLUDE_DESC	00000534-R	ERFPARSER	ERFPARSER
INCLUDE_KEY	000008FC-R	ERFPARSER	
INCLUDE_MASK	00000904-R	ERFPARSER	RECSELECT
INCLUDE_Q_ENTRY_CNT	000008F1-R	ERFPARSER	
INITED COMMONS	00000824-R	ERF	
INPUT_DESC	00000828-R	ERF	
INPUT_FAB	00003D10-RX	ERF SHR	ERF
INPUT_FILE_COUNT	00000830-R	ERF	
INPUT_NAM	00003D08-RX	ERF SHR	ERF
INPUT_RAB	00003D0C-RX	ERF SHR	ERF
INPUT_XABFHC	00003D04-RX	ERF SHR	ERF

Symbol	Value	Defined By	Referenced By ...
MIN_MAX_TABLE_SIZES	00000860-R	ERF	
MIN_MODULES_DESC	00000858-R	ERF	
MIN_RANGE_TABLE_ADDR	00000864-R	ERF	
MODULE_NAME_DESC	00000868-R	ERF	
OPTION_FLAG	00000908-R	ERFPARSER	ERF RECSELECT
OUTPUT_DESC	00000550-R	ERFPARSER	
OUTPUT_FAB	00003CF C-RX	ERFSHR	ERF
OUTPUT_NAM	00003CF8-RX	ERFSHR	ERF
OUTPUT_RAB	00003CF4-RX	ERFSHR	ERF
PACKET_PROCESSOR_DEVICES	0000086C-R	ERF	
PACKET_PROCESSOR_IMAGE	00003CA4-RX	ERFSHR	ERF
PACKET_PROCESSOR_VERSION	00003CA0-RX	ERFSHR	ERF
PACKET_PROCESSOR_XFER_ADDR	00003CA8-RX	ERFSHR	ERF
PAGE_DESC	0000055C-R	ERFPARSER	
PARSER_DATA	0000090C-R	ERFPARSER	ERF RECSELECT
PARSER_TABLE	00000910-R	ERFPARSER	ERF
PARSE_COMMAND	00002188-R	ERFPARSER	ERF
PARSE_DEVNAME	000028C4-R	ERFPARSER	
PARSE_OUTPUT_FILES	00003D18-RX	ERFSHR	ERF
PROCESSOR_TYPE	000008C0-R	ERF	RECSELECT
PROCESSOR_TYPE_TABLE	00000870-R	ERF	
QUE_ADDRS	00000880-R	ERFPARSER	
QUE_ENTRY_ADDRS	00000884-R	ERFPARSER	
QUE_ENTRY_CNT	00000914-R	ERFPARSER	
Q ENTRY SIZE	00000020	ERFPARSER	
REALTIME	00000003	ERFPARSER	
REALTIME_DEVICES	00000874-R	ERF	
REALTIME_IMAGE	00003C9C-RX	ERFSHR	ERF
REALTIME_VERSION	00003C98-RX	ERFSHR	ERF
REALTIME_XFER_ADDR	00003C94-RX	ERFSHR	ERF
RECORD_DESC	00000878-R	ERF	
RECORD_SELECTED	00002C94-R	RECSELECT	ERF
REGISTER_DUMP_DESC	00000574-R	ERFPARSER	
REJECTED_DESC	00000584-R	ERFPARSER	
REJECTED_FAB	00003CEC-RX	ERFSHR	ERF
REJECTED_NAM	00003CE8-RX	ERFSHR	ERF
REJECTED_RAB	00003CE4-RX	ERFSHR	ERF
RELATED_NAM	00003CF0-RX	ERFSHR	ERF
ROOT_BLINK	0000087C-R	ERFPARSER	
ROOT_FLINK	00000878-R	ERFPARSER	
SCOM_DEVICES	00000880-R	ERF	
SCOM_IMAGE	00003C90-RX	ERFSHR	ERF
SCOM_VERSION	00003C8C-RX	ERFSHR	ERF
SCOM_XFER_ADDR	00003C88-RX	ERFSHR	ERF
SEARCH_QUEUE	00002B54-R	ERFPARSER	RECSELECT
SELECTED	00000884-R	ERF	
SID_REGISTER_DESC	00000598-R	ERFPARSER	
SINCE_DESC	000005A8-R	ERFPARSER	
STATISTICS_DESC	000005BC-R	ERFPARSER	
STRSANALYZE_SDESC	00003D54-RX	LIBRTL	CLISINTERFACE
STRSCOPY_DX	00003D50-RX	LIBRTL	CLISINTERFACE
SUMMARY_DESC	000005CC-R	ERFPARSER	

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Symbol	Value	Defined By	Referenced By ...
SUMMARY_DISPATCHER_ADDR	00000888-R	ERF	RECSELECT
SUMMARY_FLAG	00000918-R	ERFPARSER	ERF
SYECOM	00003D90-RX	ERFCOMMON	RECSELECT RECSELECT
SYNC	00000004	ERFPARSER	UNKN_DISP
SYSSASCTIM	7FFEDE48	SYSSP1_VECTOR	CVTTIME
SYSSBINTIM	7FFEDE58	SYSSP1_VECTOR	CVTTIME
SYSSCLI	7FFEDE18	SYSSP1_VECTOR	CLISINTERFACE
SYSSCLOSE	7FFEE1B8	SYSSP1_VECTOR	ERF
SYSSCONNECT	7FFEE1C0	SYSSP1_VECTOR	ERF
SYSSGET	7FFEE180	SYSSP1_VECTOR	ERF
SYSSGETJPI	7FFEE0D8	SYSSP1_VECTOR	TIMRB
SYSSGETTIM	7FFEDF78	SYSSP1_VECTOR	CVTTIME
SYSSOPEN	7FFEE208	SYSSP1_VECTOR	ERF
SYSSOUTPUT_RAB_ADDRESS	00003CE0-RX	ERFSHR	ERF
SYSSPUT	7FFEE188	SYSSP1_VECTOR	ERF
SYSSPUTMSG	7FFEE0E0	SYSSP1_VECTOR	ERF
SYSTRNLNM	7FFEE490	SYSSP1_VECTOR	ERF
TABLE_ADDRESS	00000890-R	ERF	
TABLE_LENGTH	00000894-R	ERF	
TAPE	00000005	ERFPARSER	
TAPE_DEVICES	0000088C-R	ERF	
TAPE_IMAGE	00003C84-RX	ERFSHR	ERF
TAPE_VERSION	00003C80-RX	ERFSHR	ERF
TAPE_XFER_ADDR	00003C7C-RX	ERFSHR	ERF
TEXT_RFA	00000898-R	ERF	
TIMRB	00003470-R	TIMRB	ERF
TIMRE	000034CF-R	TIMRB	ERF
TOKEN_DESC	000008A0-R	ERF	
TOTAL_REJECTED	000008AC-R	ERF	
TOTAL_SELECTED	000008A8-R	ERF	
TRANSLATE_CLASS	00003338-R	RECSELECT	
TRANSLATE_DEVICE	00002C07-R	ERFPARSER	
TRANSLATE_ENTRY_TABLE	00003C78-RX	ERFSHR	ERF
UNKNOWN1	00003C54-RX	ERFSHR	UNKN_DISP
UNKNOWN2	00003C50-RX	ERFSHR	UNKN_DISP
UNKNOWN3	00003C4C-RX	ERFSHR	UNKN_DISP
UNKNOWN_DISPATCHER	000033A0-R	UNKN_DISP	ERF
UNKNOWN_ENTRY	00000880-R	ERF	RECSELECT
VALIDATE_PACKET	00001F2E-R	ERF	RECSELECT
WILD_CARDED_DEVICE	00000920-R	ERFPARSER	
WORKSTATION_DEVICES	00000884-R	ERF	
WORKSTATION_IMAGE	00003C74-RX	ERFSHR	ERF
WORKSTATION_VERSION	00003C70-RX	ERFSHR	ERF
WORKSTATION_XFER_ADDR	00003C6C-RX	ERFSHR	ERF
WORST_ERROR	00003CDC-RX	ERFSHR	ERF
WRITE_BINARY	00002189-R	ERF	
WRITE_MSG	00003D14-RX	ERFSHR	ERF

! Symbols By Value !

Value	Symbols...
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00000001	BUS
00000002	DISK
00000003	REALTIME
00000004	SYNC
00000005	MAX_CLASS
00000020	Q_ENTRY_SIZE
000002B8	R-ERFLIB_DESC
000004B4	R-\$LINE_DESC
000004C8	R-FILE_SPECS_DESC
000004D8	R-BEFORE_DESC
000004E8	R-BINARY_DESC
000004F8	R-BRIEF_DESC
00000508	R-ENTRY_DESC
00000518	R-EXCLUDE_DESC
00000524	R-FULL_DESC
00000534	R-INCLUDE_DESC
00000540	R-LOG_DESC
00000550	R-OUTPUT_DESC
0000055C	R-PAGE_DESC
00000574	R-REGISTER_DUMP_DESC
00000584	R-REJECTED_DESC
00000598	R-SID_REGISTER_DESC
000005A8	R-SINCE_DESC
000005BC	R-STATISTICS_DESC
000005CC	R-SUMMARY_DESC
00000800	R-BUS_DEVICES
00000804	R-DESC_TABLE_ADDRESS
00000808	R-DEV_ADDRS_PTR
0000080C	R-DEV_CLASS_PTR
00000810	R-DISK_DEVICES
00000814	R-FUNCTION
00000818	R-HERALD
00000824	R-INITED_COMMONS
00000828	R-INPUT_DESC
00000830	R-INPUT_FILE_COUNT
00000834	R-ITEM_COUNT
00000838	R-LIBRARY_FUNC
0000083C	R-LIBRARY_INDEX
00000840	R-LIBRARY_TYPE
00000844	R-LP_DEVICES
00000848	R-MAX_BUS_TYPE
00000849	R-MAX_CLASSES
0000084A	R-MAX_CPU_TYPES
0000084C	R-MAX_DISK_TYPE
00000850	R-MAX_RANGE_TABLE_ADDR
00000854	R-MAX_REALTIME_TYPE
00000855	R-MAX_SCOM_TYPE
00000856	R-MAX_TAPE_TYPE
00000857	R-MAX_WORKSTATION_TYPE

Value	Symbols...
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00000858	R-MIN_MODULES_DESC
0000085C	R-MAX_MODULES_DESC
00000860	R-MIN_MAX_TABLE_SIZES
00000864	R-MIN_RANGE_TABLE_ADDR
00000868	R-MODULE_NAME_DESC
0000086C	R-PACKET_PROCESSOR_DEVICES
00000870	R-PROCESSOR_TYPE_TABLE
00000874	R-REALTIME_DEVICES
00000878	R-RECORD_DESC
00000880	R-SCOM_DEVICES
00000884	R-SELECTED
00000888	R-SUMMARY_DISPATCHER_ADDR
0000088C	R-TAPE_DEVICES
00000890	R-TABLE_ADDRESS
00000894	R-TABLE_LENGTH
00000898	R-TEXT_RFA
000008A0	R-TOKEN_DESC
000008A8	R-TOTAL_SELECTED
000008AC	R-TOTAL_REJECTED
000008B0	R-UNKNOWN_ENTRY
000008B4	R-WORKSTATION_DEVICES
000008B8	R-BRIEF_XFER_ADDR
000008BC	R-IDENT
000008C0	R-PROCESSOR_TYPE
000008C4	R-DEVICE_CLASS
000008C5	R-DEVICE_TYPE
000008C8	R-DEV_CLASS_KEY
000008CC	R-DEV_ENTRY_KEY
000008D0	R-DEV_NAME
000008D4	R-DEV_SELECT
000008D8	R-ENTRY_VALUE
000008DC	R-EXCLUDE_CLASS
000008E2	R-EXCLUDE_FLAG
000008E4	R-EXCLUDE_KEY
000008EC	R-EXCLUDE_MASK
000008F0	R-EXCLUDE_Q_ENTRY_CNT
000008F1	R-INCLUDE_Q_ENTRY_CNT
000008F4	R-INCLUDE_CLASS
000008FC	R-INCLUDE_KEY
00000904	R-INCLUDE_MASK
00000908	R-OPTION_FLAG
0000090C	R-PARSER_DATA
00000910	R-PARSER_TABLE
00000914	R-QUE_ENTRY_CNT
00000918	R-SUMMARY_FLAG
0000091C	R-CLASS_DIR
00000920	R-WILD_CARDED_DEVICE
00000878	R-ROOT_FLINK
0000087C	R-ROOT_BLINK
00000880	R-QUE_ADDRS
00000884	R-QUE_ENTRY_ADDRS
00001F2E	R-VALIDATE_PACKET

Value	Symbols...
-----	-----
00002189	R-WRITE_BINARY
000021B8	R-PARSE_COMMAND
000028C4	R-PARSE_DEVNAME
00002B16	R-DEVICE_OPTION_CHECK
00002B54	R-SEARCH_QUEUE
00002C07	R-TRANSLATE_DEVICE
00002C6B	R-GET_VM
00002C94	R-RECORD_SELECTED
0000315E	R-DEVICE_TYPE_ENTRY
00003338	R-TRANSLATE_CLASS
000033A0	R-UNKNOWN_DISPATCHER
00003470	R-TIMRB
000034CF	R-TIMRE
000035D8	R-CLISPRESENT
0000361B	R-CLISGET_VALUE
000036A7	R-CLISDCL_PARSE
00003758	R-CLISDISPATCH
00003799	R-CLISNEXT_QUAL
00003820	R-LIBSCVT_TIME
00003961	R-LIBSCVT_ETIME
0000398C	R-LIBSCVT_DTIME
00003C48	RX-LINCHK
00003C4C	RX-UNKNOWN3
00003C50	RX-UNKNOWN2
00003C54	RX-UNKNOWN1
00003C58	RX-LOGGER
00003C5C	RX-HEADER
00003C60	RX-DUMPREG
00003C64	RX-INTERVENE_OUTPUT
00003C68	RX-INTERVENE_INCREMENT
00003C6C	RX-WORKSTATION_XFER_ADDR
00003C70	RX-WORKSTATION_VERSION
00003C74	RX-WORKSTATION_IMAGE
00003C78	RX-TRANSLATE_ENTRY_TABLE
00003C7C	RX-TAPE_XFER_ADDR
00003C80	RX-TAPE_VERSION
00003C84	RX-TAPE_IMAGE
00003C88	RX-SCOM_XFER_ADDR
00003C8C	RX-SCOM_VERSION
00003C90	RX-SCOM_IMAGE
00003C94	RX-REALTIME_XFER_ADDR
00003C98	RX-REALTIME_VERSION
00003C9C	RX-REALTIME_IMAGE
00003CA0	RX-PACKET_PROCESSOR_VERSION
00003CA4	RX-PACKET_PROCESSOR_IMAGE
00003CAB	RX-PACKET_PROCESSOR_XFER_ADDR
00003CAC	RX-MAX_LP_TYPE
00003CB0	RX-MAX_MISC_TYPE
00003CB4	RX-LP_XFER_ADDR
00003CB8	RX-LP_VERSION
00003CBC	RX-LP_IMAGE
00003CC0	RX-DISK_XFER_ADDR

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<u>Value</u>	<u>Symbols...</u>
00003CC4	RX-DISK_VERSION
00003CC8	RX-DISK_IMAGE
00003CCC	RX-BUS_XFER_ADDR
00003CD0	RX-BUS_VERSION
00003CD4	RX-BUS_IMAGE
00003CD8	RX-LNMSFILE_DEV_DESC
00003CDC	RX-WORST_ERROR
00003CE0	RX-SYS\$OUTPUT_RAB_ADDRESS
00003CE4	RX-REJECTED_RAB
00003CE8	RX-REJECTED_NAM
00003CEC	RX-REJECTED_FAB
00003CF0	RX-RELATED_NAM
00003CF4	RX-OUTPUT_RAB
00003CF8	RX-OUTPUT_NAM
00003CFC	RX-OUTPUT_FAB
00003D00	RX-LSTLUN_RAB_ADDRESS
00003D04	RX-INPUT_XABFAC
00003D08	RX-INPUT_NAM
00003D0C	RX-INPUT_RAB
00003D10	RX-INPUT_FAB
00003D14	RX-WRITE_MSG
00003D18	RX-PARSE_OUTPUT_FILES
00003D1C	RX-MAP_IMAGE
00003D20	RX-LOG_FILENAME
00003D24	RX-IMAGE_LOADER
00003D28	RX-EXEC_IMAGE
00003D34	RX-FORS\$WRITE_SF
00003D38	RX-FORS\$IO_F_R
00003D3C	RX-FORS\$IO_L_R
00003D40	RX-FORS\$IO_END
00003D44	RX-FORS\$SECONDS
00003D50	RX-STR\$COPY_DX
00003D54	RX-STR\$ANALYZE_SDESC
00003D58	RX-LIB\$FREE_VM
00003D5C	RX-LIB\$SCOPE_DXDX
00003D60	RX-LIB\$REMQTY
00003D64	RX-LIB\$INSQTI
00003D68	RX-LIB\$GET_VM
00003D6C	RX-LIB\$CVT_HTB
00003D70	RX-LIB\$LOOKUP_KEY
00003D74	RX-LIB\$STOP
00003D78	RX-LIB\$SIGNAL
00003D7C	RX-LIB\$FILE_SCAN
00003D80	RX-LIB\$EXTZV
00003D84	RX-LIB\$CVT_DTB
00003D90	RX-SYECOM
00003D94	RX-EMB
00003DA0	RX-LBR\$GET_RECORD
00003DA4	RX-LBR\$LOOKUP_KEY
00003DAB	RX-LBR\$SET_LOCATE
00003DAC	RX-LBR\$CLOSE
00003DB0	RX-LBR\$OPEN

Value	Symbols...
00003DB4	RX-LBR\$INI CONTROL
000380B0	CLIS_NOCOMD
000381F0	CLIS_ABSENT
000381F8	CLIS_NEGATED
00038230	CLIS_LOCNEG
0003FD19	CLIS_PRESENT
0003FD21	CLIS_DEFAULTED
0003FD29	CLIS_CONCAT
0003FD31	CLIS_LOCPRES
0003FD39	CLIS_COMMA
08088008	ERF_INPUT
08088013	ERF_HERALD
0808801B	ERF_TOTAL
08088023	ERF_UNKCLASS
0808802B	ERF_UNKCPU
08088033	ERF_UNKENTRY
08088038	ERF_UNKTYPE
08088043	ERF_LOADERR
08088048	ERF_INCENTRY
08088053	ERF_NOSTATS
0808805B	ERF_NOTFOUND
0808808A	ERF_CNFQUAVAL
08088092	ERF_DEVSELREQ
080880A2	ERF_GETJPIERR
080880AC	ERF_CVTERR
080880B4	ERF_CLSTBLERR
080880BC	ERF_BADEVVAL
080880C4	ERF_BADEVTYP
080880CC	ERF_BADMODNAM
080880D4	ERF_INVREPTYP
080880DC	ERF_TOOMANCLS
7FFEDE18	SYSS\$CLI
7FFEDE48	SYSS\$ASCTIM
7FFEDE58	SYSS\$BINTIM
7FFEDF78	SYSS\$GETTIM
7FFEE0D8	SYSS\$GETJPI
7FFEE0E0	SYSS\$PUTMSG
7FFEE180	SYSS\$GET
7FFEE188	SYSS\$PUT
7FFEE1B8	SYSS\$CLOSE
7FFEE1C0	SYSS\$CONNECT
7FFEE208	SYSS\$OPEN
7FFEE4C0	SYSS\$TRNLNM

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Value

Symbols...

Key for special characters above:

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

! Image Synopsis !

```

Virtual memory allocated:      00000200 000041FF 00004000 (16384. bytes, 32. pages)
Stack size:                    20. pages
Image header virtual block limits: 1.      1. (  1. block)
Image binary virtual block limits: 2.      32. ( 31. blocks)
Image name and identification:  ERF V04-000
Number of files:                11.
Number of modules:              15.
Number of program sections:     30.
Number of global symbols:       1129.
Number of cross references:      438.
Number of image sections:       24.
User transfer address:          00000C00
Number of address fixups:        17.
Number of code references to shareable images: 84.
Image type:                     EXECUTABLE.
Map format:                     FULL WITH CROSS REFERENCE in file _$255$DUA18:[ERF.LIS]ERF.MAP;1
Estimated map length:           231. blocks

```

! Link Run Statistics !

Performance Indicators	Page Faults	CPU Time	Elapsed Time
Command processing:	129	00:00:00.79	00:00:01.84
Pass 1:	478	00:00:02.64	00:00:06.00
Allocation/Relocation:	48	00:00:00.16	00:00:00.46
Pass 2:	90	00:00:01.49	00:00:02.51
Map data after object module synopsis:	22	00:00:01.21	00:00:01.31
Symbol table output:	1	00:00:00.04	00:00:00.13
Total run values:	768	00:00:06.33	00:00:12.25

Using a working set limited to 1950 pages and 560 pages of data storage (excluding image)

Total number object records read (both passes): 757
of which 333 were in libraries and 68 were DEBUG data records containing 6082 bytes

Number of modules extracted explicitly = 6
with 3 extracted to resolve undefined symbols

22 library searches were for symbols not in the library searched

A total of 0 global symbol table records was written

```

LINK/USERLIB=PROC/NOTRACE/EXE=EXES/MAP=MAPS/FULL/CROSS LIBS:ERF/INCLUDE=(ERF,ERFPARSER,RECSELECT,UNKN_DISP,TIMRB),COM$:PSECTATTR/OPT
,RESOBJ$:CLIUTL/INCLUDE=CVTIME
EXES:erfshr.exe/share
EXES:erfcommon.exe/share
gsmatch=lequal,1,0
psect_attr=$blank,noshr
psect_attr=$pdata,noshr
psect_attr=$code,noshr

```

psect_attr=deychar,noshr
psect_attr=dr32,noshr
psect_attr=emb,noshr
psect_attr=erfcom,noshr
psect_attr=mode,noshr
psect_attr=mrd,noshr
psect_attr=opcode,noshr
psect_attr=qiocommon,noshr
psect_attr=sa,noshr
psect_attr=syecom,noshr
psect_attr=trans_addr,noshr
psect_attr=tables,noshr
psect_attr=_lib\$code,noshr
psect_attr=_img\$code,noshr

0441 AH-EF71A-SE
VAX/VMS V4.1 SRC LST MCRF UPD

A dense grid of source code listings for VAX/VMS V4.1. The grid consists of approximately 15 columns and 15 rows of text. Several larger, bolded labels are interspersed within the grid, including:

- VAXARITH LIS
- EMULAT
- VAXEMUL MAP
- ERF
- ERF MAP
- ERFPROC1 MAP
- RESELECT LIS

The text within each cell is small and dense, representing individual source code files or sections of code. The overall layout is a structured array of these code listings.