

A large, stylized letter 'A' is formed using the characters 'S' and 'Y'. The 'S' characters are arranged in a grid-like pattern to form the left and right sides of the letter, while 'Y' characters form the central vertical stem and the horizontal crossbars. The overall shape is a bold, blocky 'A' that fills most of the page.

[illegible]

(1) 48
(1) 75

DECLARATIONS
SYSDERLMBX - DECLARE ERROR LOG MAILBOX


```

0000 1 .TITLE SYSDERLMB - DECLARE ERROR LOG MAILBOX YSSTEM SERVICE
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6
0000 7 *
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0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 ++
0000 30 FACILITY: EXECUTIVE, SYSTEM SERVICES
0000 31
0000 32 ABSTRACT:
0000 33 SYSDERLMB IMPLEMENTS THE DECLARE ERROR LOG MAILBOX SYSTEM SERVICE
0000 34 WHICH ENABLES A DIAGNOSTIC OR OTHER PRIVILEGED PROGRAM TO REQUEST
0000 35 THAT A COPY OF ALL ERROR LOG RECORDS BE WRITTEN A SPECIFIED MAILBOX
0000 36 UNIT.
0000 37
0000 38
0000 39 ENVIRONMENT:
0000 40 KERNEL MODE
0000 41 AUTHOR: R. I. HUSTVEDT , CREATION DATE: 19-SEP-77
0000 42
0000 43 MODIFIED BY:
0000 44
0000 45 : VERSION
0000 46 01 -
0000 47 --
0000 48 .SBTTL DECLARATIONS
0000 49
0000 50 INCLUDE FILES:
0000 51
0000 52
0000 53 $IPLDEF ; DEFINE IPL VALUES
0000 54 $PCBDEF ; DEFINE PCB OFFSETS
0000 55 $PRDEF ; DEFINE PROCESSOR REGISTERS
0000 56 $PRVDEF ; DEFINE PRIVILEGE BIT NUMBERS
0000 57 $SSDEF ; DEFINE STATUS CODE VALUES

```

SYSDERLMB
V04-000

- DECLARE ERROR LOG MAILBOX YSSTEM SERV M 10
DECLARATIONS 16-SEP-1984 01:59:29 VAX/VMS Macro V04-00
5-SEP-1984 03:52:35 [SYS.SRC]SYSDERLMB.MAR;1

Page 2
(1)

```
0000 58 :  
0000 59 : MACROS:  
0000 60 :  
0000 61 :  
0000 62 :  
0000 63 : EQUATED SYMBOLS:  
0000 64 :  
00000000 0000 65 UNIT=0  
00000004 0000 66 PID=4  
00000004 0000 67  
00000004 0000 68 MBXUNT=4  
0000 69  
0000 70 :  
0000 71 : OWN STORAGE:  
0000 72 :  
0000 73 :  
: UNIT FIELD OF ERROR LOG MAILBOX DESCRIPTOR  
: PROCESS ID FIELD OF ERROR LOG MAILBOX DESC  
: MAILBOX UNIT ARGUMENT LIST OFFSET
```



```

0000 75 .SBTTL SYSDERLMBX - DECLARE ERROR LOG MAILBOX
0000 76 :++
0000 77 : FUNCTIONAL DESCRIPTION:
0000 78 : EXESDERLMBX SETS THE ERRORLOG MAILBOX DESCRIPTOR TO POINT TO A
0000 79 : SPECIFIED MAILBOX UNIT. ONLY ONE PROCESS MAY ASSIGN A MAILBOX UNIT
0000 80 : TO THE ERROR LOG AT ONE TIME. IF THE ERROR LOG MAILBOX IS ALREADY
0000 81 : ASSIGNED TO ANOTHER PROCESS, THE ERROR STATUS CODE $$$ DEVALLOC
0000 82 : IS RETURNED. WHEN A PROCESS IS FINISHED WITH THE ERROR LOG MAILBOX
0000 83 : IT SHOULD ASSIGN A UNIT NUMBER OF 0(ZERO). EXESRUNDN WILL DO THIS
0000 84 : IN CASE THE IMAGE NEGLECTS TO EXIT CORRECTLY.
0000 85 :
0000 86 : CALLING SEQUENCE:
0000 87 : CALLG  ARGLIST,EXESDERLMBX
0000 88 :
0000 89 : INPUT PARAMETERS:
0000 90 : MBXUNT(AP) - MAILBOX UNIT NUMBER
0000 91 : R4 - PCB ADDRESS OF CURENT PROCESS
0000 92 :
0000 93 : IMPLICIT INPUTS:
0000 94 : PCB AND PROCESS HEADER OF CURRENT PROCESS
0000 95 :
0000 96 : OUTPUT PARAMETERS:
0000 97 : R0 - COMPLETION STATUS CODE
0000 98 :
0000 99 : IMPLICIT OUTPUTS:
0000 100 : NONE
0000 101 :
0000 102 : COMPLETION CODES:
0000 103 : $$$_NORMAL - NORMAL SUCCESSFUL COMPLETION
0000 104 : $$$_NOPRIV - PROCESS DOES NOT HAVE DIAGNOSTIC PRIVILEGE
0000 105 : $$$_DEVALLOC - ERROR LOG MAILBOX UNIT ALREADY DECLARED BY ANOTHER
0000 106 : PROCESS.
0000 107 :
0000 108 : SIDE EFFECTS:
0000 109 : NONE
0000 110 :
0000 111 : --
0000 112 :
0000 113 :
0000 114 EXESDERLMB::
0000 115 .WORD ^M<R2,R3,R4,R5> ; SAVE R2-R5
0002 116
0002 117 MOVZWL #$$$_NOPRIV,R0 ; ASSUME NO PRIVILEGE
0005 118 IFNPRIV DIAGNOSE,EXIT ; EXIT WITH ERROR STATUS IF NO PRIVILEGE
000B 119 MOVZWL #$$$_DEVALLOC,R0 ; ASSUME "DEVICE" ALLOCATED
0010 120 MOVAB W^EXESGQ ERLMBX,R5 ; SET ADDRESS OF ERRORLOG MAILBOX DESCRIPTOR
0015 121 DSBINT #IPL$ SYNCH ; INHIBIT SYSTEM EVENT REPORTING
001B 122 TSTW UNIT(R5) ; TEST FOR ALREADY ASSIGNED
001D 123 BEQL 10$ ; NOT ASSIGNED
001F 124 CMPL PCB$L PID(R4),PID(R5) ; CHECK FOR CURRENT PROCESS
0024 125 BNEQ EXITEN ; NO, EXIT WITH DEVALLOC ERROR
0026 126 10$: MOVL PCB$L PID(R4),PID(R5) ; SET PID OF OWNER
002B 127 MOVW MBXUNT(AP),UNIT(R5) ; SET ERRORLOG MAILBOX UNIT NUMBER
002F 128 BNEQ 20$ ; BR IF ACTUAL UNIT
0031 129 CLRL PID(R5) ; ZAP PID OF MAILBOX OWNER
0034 130 20$: MOVL #$$$_NORMAL,R0 ; SET NORMAL COMPLETION STATUS
0037 131 EXITEN: ENBINT ; ENABLE SYSTEM EVENT REPORTING

```

SYSDERLMB
V04-000

B 11
- DECLARE ERROR LOG MAILBOX YSSTEM SERVI 16-SEP-1984 01:59:29 VAX/VMS Macro V04-00
SYSDERLMBX - DECLARE ERROR LOG MAILBOX 5-SEP-1984 03:52:35 [SYS.SRC]SYSDERLMB.MAR;1

Page 4
(1)

04 003A 132 EXIT: RET ; RETURN
003B 133
003B 134
003B 135 .END

SYSDERLMB
Symbol table

C 11
- DECLARE ERROR LOG MAILBOX YSSTEM SERVI 16-SEP-1984 01:59:29 VAX/VMS Macro V04-00
5-SEP-1984 03:52:35 [SYS.SRC]SYSDERLMB.MAR;1

Page 5
(1)

EXESDERLMB	00000000	RG	01
EXESGQ_ERLMBX	*****	X	01
EXIT	0000003A	R	01
EXITEN	00000037	R	01
IPL\$ SYNCH	= 00000008		
MBXUNT	= 00000004		
PCBSL_PID	= 00000060		
PCBSQ_PRIV	= 00000084		
PID	= 00000004		
PR\$ IPL	= 00000012		
PRVSV DIAGNOSE	= 00000006		
SS\$ DEVALLOC	= 00000840		
SS\$ NOPRIV	= 00000024		
SS\$ NORMAL	= 00000001		
UNIT	= 00000000		

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPICT USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
. BLANK .	0000003B (59.)	01 (1.)	NOPICT USR CON REL LCL NOSHR EXE RD WRT NOVEC BYTE
\$ABSS\$	00000000 (0.)	02 (2.)	NOPICT USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.04	00:00:00.41
Command processing	105	00:00:00.55	00:00:02.10
Pass 1	248	00:00:06.44	00:00:22.59
Symbol table sort	0	00:00:01.08	00:00:03.98
Pass 2	42	00:00:01.10	00:00:02.44
Symbol table output	3	00:00:00.04	00:00:00.03
Psect synopsis output	2	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	431	00:00:09.27	00:00:31.58

The working set limit was 1050 pages.
35074 bytes (69 pages) of virtual memory were used to buffer the intermediate code.
There were 40 pages of symbol table space allocated to hold 714 non-local and 2 local symbols.
135 source lines were read in Pass 1, producing 12 object records in Pass 2.
15 pages of virtual memory were used to define 14 macros.

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

Macro library name	Macros defined
-----	-----
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	5
\$255\$DUA28:[SYS.LIB]STARLET.MLB;2	6
TOTALS (all libraries)	11

815 GETS were required to define 11 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LISS:SYSDERLMB/OBJ=OBJ\$:SYSDERLMB MSRC\$:SYSDERLMB/UPDATE=(ENH\$:SYSDERLMB)+EXECML\$/LIB

0383 AH-BT13A-SE
VAX/VMS V4.0

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