

LLL	IIIIIIII	BBBBBBBBBB	RRRRRRRRRR	TTTTTTTTTTTT	LLL
LLL	IIIIIIII	BBBBBBBBBB	RRRRRRRRRR	TTTTTTTTTTTT	LLL
LLL	IIIIIIII	BBBBBBBBBB	RRRRRRRRRR	TTTTTTTTTTTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLL	III	BBB	RRR	TTT	LLL
LLLLLLLLLLLLLLLL	IIIIIIII	BBBBBBBBBB	RRR	TTT	LLLLLLLLLLLLLLLL
LLLLLLLLLLLLLLLL	IIIIIIII	BBBBBBBBBB	RRR	TTT	LLLLLLLLLLLLLLLL
LLLLLLLLLLLLLLLL	IIIIIIII	BBBBBBBBBB	RRR	TTT	LLLLLLLLLLLLLLLL

```

LL      IIIIII  BBBB BBBB  EEEEEEEEE  BBBB BBBB  CCCCCCCC  AAAAAA  SSSSSSSS  CCCCCCCC
LL      IIIIII  BBBB BBBB  EEEEEEEEE  BBBB BBBB  CCCCCCCC  AAAAAA  SSSSSSSS  CCCCCCCC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LL      II      BB      BB  EE      EE  BB      BB  CC      CC  AA      AA  SS      SS  CC      CC
LLLLLLLLLLLL IIIIII  BBBB BBBB  EEEEEEEEE  BBBB BBBB  CCCCCCCC  AAAAAA  SSSSSSSS  CCCCCCCC
LLLLLLLLLLLL IIIIII  BBBB BBBB  EEEEEEEEE  BBBB BBBB  CCCCCCCC  AAAAAA  SSSSSSSS  CCCCCCCC

```

```

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
LLLLLLLLLLLL IIIIII  SSSSSSSS
LLLLLLLLLLLL IIIIII  SSSSSSSS

```

41  
1

(2) 49  
(3) 67  
(4) 97

HISTORY ; Detailed Current Edit History  
DECLARATIONS  
LIB\$AB\_EBC\_ASC

```

0000 1 .TITLE LIBSAB_EBC_ASC EBCDIC to ASCII Translation Table
0000 2 .IDENT 1-0067 ; File: LIBEBCASC.MAR EDIT:LB1006
0000 3
0000 4
0000 5 :*****
0000 6 :*
0000 7 :* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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0000 21 :*
0000 22 :* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23 :* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 :*
0000 25 :*
0000 26 :*****
0000 27
0000 28
0000 29 : FACILITY: GENERAL-PURPOSE UTILITY
0000 30 : ++
0000 31 : ABSTRACT:
0000 32 : This module contains the EBCDIC to ASCII translation table.
0000 33
0000 34
0000 35 : --
0000 36
0000 37 : VERSION: 1
0000 38
0000 39 : HISTORY:
0000 40
0000 41 : AUTHOR:
0000 42 : Marty Jack, 11-Mar-1979
0000 43
0000 44 : MODIFIED BY:
0000 45
0000 46
0000 47 :

```

LI  
Syr  
CHI  
CHI  
CHI  
DI  
DI  
HAI  
LIB  
LIB  
QU  
RE  
SS  
SS  
SS  
  
PS  
--  
SA  
L  
  
Ph  
--  
In  
Co  
Pa  
Syr  
Pa  
Syr  
Ps  
Cr  
As  
  
Th  
21  
Th  
16  
9  
  
Ma  
--  
-S  
48

```
0000 49 .SBTTL HISTORY ; Detailed Current Edit History
0000 50
0000 51
0000 52 ; Edit History for Version 1 of LIBEBCASC (alias COBEBCASC)
0000 53 ;
0000 54 ; 1-001 - Original. MLJ 11-Mar-1979
0000 55 ; 1-002 - Changed name to LIB$AB_EBC_ASC to reflect general-
0000 56 ; purpose nature of translation table.
0000 57 ; This also involved putting it in PSECT _LIB$CODE.
0000 58 ; RKR 17-JULY-1979
0000 59 ; 1-003 - Added additional comments. RKR 07-AUG-1979
0000 60 ; 1-004 - Cosmetic changes. RKR 21-OCT-79
0000 61 ; 1-005 - Add comments. RKR 04-DEC-79
0000 62 ; 1-006 - Changed position 256 in the translation table to map
0000 63 ; to octal 377 (instead of the substitution character)
0000 64 ; to ensure that the COBOL language construct of
0000 65 ; HIGH VALUES works correctly. LB 11-MAY-81.
```

```
0000 67      .SBTTL DECLARATIONS
0000 68
0000 69 :
0000 70 : INCLUDE FILES:
0000 71 :
0000 72 :
0000 73 :
0000 74 : EXTERNAL SYMBOLS:
0000 75 :     NONE
0000 76 :
0000 77 :
0000 78 :
0000 79 : MACROS:
0000 80 :     NONE
0000 81 :
0000 82 :
0000 83 :
0000 84 : PSECT DECLARATIONS:
0000 85 :     .PSECT _LIB$CODE PIC,USR,CON,REL,LCL,SHR,EXE,RD,NOWRT
0000 86 :
0000 87 :
0000 88 : EQUATED SYMBOLS:
0000 89 :     NONE
0000 90 :
0000 91 :
0000 92 :
0000 93 : OWN STORAGE:
0000 94 :     NONE
0000 95 :
```

```
0000 97 .SBTTL LIB$AB_EBC_ASC
0000 98
0000 99 :++
0000 100 : FUNCTIONAL DESCRIPTION:
0000 101 :
0000 102 : This is the EBCDIC to ASCII translation table based on
0000 103 : ANSI X3.26 - 1970
0000 104 :
0000 105 : All EBCDIC graphics are translated to the identical ASCII
0000 106 : graphic except for:
0000 107 :
0000 108 : EBCDIC graphic ASCII graphic
0000 109 : -----
0000 110 : cents sign [ (left square bracket)
0000 111 : short vertical bar ! (exclamation point)
0000 112 : logical not ^ (circumflex)
0000 113 : ! (exclamation point) ] (right square bracket)
0000 114 :
0000 115 :
0000 116 : Untranslatable codes map into ^0134 (The ASCII character '\').
0000 117 : Mapping them into ^0032 (The ASCII Substitute char.) would be
0000 118 : more desirable, but could cause trouble with compatibility with
0000 119 : STREAM-ASCII files under RMS-11 which recognizes ^0032 as
0000 120 : a CONTROL-Z signifying an End-of-file.
0000 121 :
0000 122 :--
0000 123
```





LIB\$AB\_EBC\_ASC  
Symbol table

EBCDIC to ASCII Translation Table<sup>G 2</sup>

15-SEP-1984 23:58:46 VAX/VMS Macro V04-00 Page 6  
6-SEP-1984 11:05:58 [LIBRTL.SRC]LIBEBCASC.MAR;1 (5)

LIB\$AB\_EBC\_ASC 00000000 RG 01

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

PSECT name	Allocation	PSECT No.	Attributes												
ABS	00000000 ( 0.)	00 ( 0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE		
_LIB\$CODE	00000100 ( 256.)	01 ( 1.)	PIC	USR	CON	REL	LCL	SHR	EXE	RD	NOWRT	NOVEC	BYTE		

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

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.05	00:00:02.42
Command processing	106	00:00:00.31	00:00:02.09
Pass 1	63	00:00:00.47	00:00:04.59
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	45	00:00:00.22	00:00:02.83
Symbol table output	2	00:00:00.01	00:00:00.01
Psect synopsis output	2	00:00:00.01	00:00:00.01
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	249	00:00:01.09	00:00:11.96

The working set limit was 750 pages.  
2847 bytes (6 pages) of virtual memory were used to buffer the intermediate code.  
There were 10 pages of symbol table space allocated to hold 1 non-local and 0 local symbols.  
160 source lines were read in Pass 1, producing 8 object records in Pass 2.  
0 pages of virtual memory were used to define 0 macros.

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

Macro library name	Macros defined
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LIS\$:LIBEBCASC/OBJ=OBJ\$:LIBEBCASC MSRC\$:LIBEBCASC/UPDATE=(ENH\$:LIBEBCASC)

0206 AH-BT13A-SE  
VAX/VMS V4.0

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A grid of 16 columns and 12 rows of small, faint terminal window screenshots. Each window displays a header line with a library name and 'LIS' (Library Information System). The library names are: LIBEMODH LIS, LIBEMODU LIS, LIBEMULAT LIS, LIBFAO LIS, LIBBFFS LIS, LIBFINCUT LIS, LIBBEZAREV LIS, LIBEMODG LIS, LIBEXTV LIS, LIBEMODF LIS, LIBEMUL LIS, LIBFILSCA LIS, LIBEXTZU LIS, LIBBASC LIS, and LIBFAOL LIS. The screenshots show various data tables, including file names, sizes, and dates, typical of a library catalog or directory listing.