# INTERNATIONAL STANDARD 

## Information technology - 8-bit single-byte coded graphic character sets -

## Part 4:

Latin alphabet No. 4

Technologies de l'information - Jeux de caractères graphiques codés sur un seul octet -

Partie 4: Alphabet latin no 4
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## Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and nongovernmental, in liaison with ISO and IEC, also take part in the work.
In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least $75 \%$ of the national bodies casting a vote.
International Standard ISO/IEC 8859-4 was prepared by Joint Technical Committee ISO/IEC JTC 1, Information technology, Subcommittee SC 2, Character sets and information coding.

This edition cancels and replaces ISO 8859-4:1988 which has been technically revised.

ISO/IEC 8859 consists of the following parts, under the general title Information technology - 8-bit single-byte coded graphic character sets:

- Part 1: Latin alphabet No. 1
- Part 2: Latin alphabet No. 2
- Part 3: Latin alphabet No. 3
- Part 4: Latin alphabet No. 4
- Part 5: Latin/Cyrillic alphabet
- Part 6: Latin/Arabic alphabet
- Part 7: Latin/Greek alphabet
- Part 8: Latin/Hebrew alphabet
- Part 9: Latin alphabet No. 5
- Part 10: Latin alphabet No. 6

Annexes $A$ to $C$ of this part of ISO/IEC 8859 are for information only.

## Introduction

ISO/IEC 8859 consists of several parts. Each part specifies a set of up to 191 graphic characters and the coded representation of these characters by means of a single 8-bit byte. Each set is intended for use for a particular group of languages.

## Information technology - <br> 8-bit single-byte coded graphic character sets -

## Part 4: Latin alphabet No. 4

## 1 Scope

This part of ISO/IEC 8859 specifies a set of 191 coded graphic characters identified as Latin alphabet No. 4.

This set of coded graphic characters is intended for use in data and text processing applications and also for information interchange.
The set contains graphic characters used for general purpose applications in typical office environments in at least the following languages:

Danish, English, Estonian, Finnish, German, Greenlandic, Latin, Latvian, Lithuanian, Norwegian, Sámi (but see Annex A.1, Notes), Slovene and Swedish.

This set of coded graphic characters may be regarded as a version of an 8 -bit code according to ISO/IEC 2022 or ISO/IEC 4873 at level 1.

This part of ISO/IEC 8859 may not be used in conjunction with any other parts of ISO/IEC 8859. If coded characters from more than one part are to be used together, by means of code extension techniques, the equivalent coded character sets from ISO/IEC 10367 should be used instead within a version of ISO/IEC 4873 at level 2 or level 3.

The coded characters in this set may be used in conjunction with coded control functions selected from ISO/IEC 6429. However, control functions are not used to create composite graphic symbols from two or more graphic characters (see clause 6).

NOTE - ISO/IEC 8859 is not intended for use with Telematic services defined by ITU-T. If information coded according to ISO/IEC 8859 is to be transferred to such services, it will have to conform to the requirements of those services at the access-point.

## 2 Conformance

### 2.1 Conformance of information interchange

A coded-character-data-element (CC-data-element) within coded information for interchange is in conformance with this part of ISO/IEC 8859 if all the coded representations of graphic characters within
that CC-data-element conform to the requirements of clause 6 .

### 2.2 Conformance of devices

A device is in conformance with this part of ISO/IEC 8859 if it conforms to the requirements of 2.2.1, and either or both of 2.2.2 and 2.2.3. A claim of conformance shall identify the document which contains the description specified in 2.2.1.

### 2.2.1 Device description

A device that conforms to this part of ISO/IEC 8859 shall be the subject of a description that identifies the means by which the user may supply characters to the device, or may recognize them when they are made available to him, as specified respectively in 2.2.2 and 2.2.3.

### 2.2.2 Originating devices

An originating device shall allow its user to supply any sequence of characters from those specified in clause 6 , and shall be capable of transmitting their coded representations within a CC-data-element.

### 2.2.3 Receiving devices

A receiving device shall be capable of receiving and interpreting any coded representations of characters that are within a CC-data-element, and that conform to clause 6 , and shall make the corresponding characters available to its user in such a way that the user can identify them from among those specified there, and can distinguish them from each other.

## 3 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 8859. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO/IEC 8859 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO/IEC 2022:1994, Information technology Character code structure and extension techniques.

ISO/IEC 4873:1991, Information technology ISO 8-bit code for information interchange Structure and rules for implementation.

ISO/IEC 8824-1:1995, Information technology Abstract Syntax Notation One (ASN.1): Specification of basic notation.

## 4 Definitions

For the purposes of this part of ISO/IEC 8859 the following definitions apply:
4.1 bit combination: An ordered set of bits used for the representation of characters.
4.2 byte: A bit string that is operated upon as a unit.
4.3 character: A member of a set of elements used for the organization, control, or representation of data.
4.4 code table: A table showing the characters allocated to each bit combination in a code.

## 4.5 coded character set; code: A set of

 unambiguous rules that establishes a character set and the one-to-one relationship between the characters of the set and their bit combinations.
## 4.6 coded-character-data-element (CC-data-

 element): An element of interchanged information that is specified to consist of a sequence of coded representations of characters, in accordance with one or more identified standards for coded character sets.4.7 graphic character: A character, other than a control function, that has a visual representation normally handwritten, printed or displayed, and that has a coded representation consisting of one or more bit combinations.
NOTE - In ISO/IEC 8859 a single bit combination is used to represent each character.
4.8 graphic symbol: A visual representation of a graphic character or of a control function.
4.9 position: That part of a code table identified by its column and row coordinates.

## 5 Notation, code table and names

### 5.1 Notation

The bits of the bit combinations of the 8 -bit code are identified by $b_{8}, b_{7}, b_{6}, b_{5}, b_{4}, b_{3}, b_{2}$, and $b_{1}$, where $b_{8}$ is the highest-order, or most-significant bit and $b_{1}$ is the lowest-order, or least-significant bit.

The bit combinations may be interpreted to represent numbers in binary notation by attributing the following weights to the individual bits:

| Bit | $\mathrm{b}_{8}$ | $\mathrm{~b}_{7}$ | $\mathrm{~b}_{6}$ | $\mathrm{~b}_{5}$ | $\mathrm{~b}_{4}$ | $\mathrm{~b}_{3}$ | $\mathrm{~b}_{2}$ | $\mathrm{~b}_{1}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Weight | 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1 |

Using these weights, the bit combinations are identified by notations of the form $x x / y y$, where $x x$ and $y y$ are numbers in the range 00 to 15 . The correspondence between the notations of the form $x x / y y$ and the bit combinations consisting of the bits $b_{8}$ to $b_{1}$ is as follows:

- $x x$ is the number represented by $b_{8}, b_{7}, b_{6}$ and $b_{5}$ where these bits are given the weights $8,4,2$, and 1 respectively.
- $y y$ is the number represented by $b_{4}, b_{3}, b_{2}$ and $b_{1}$ where these bits are given the weights $8,4,2$, and 1 respectively.

The bit combinations are also identified by notations of the form hk, where $h$ and $k$ are numbers in the range 0 to $F$ in hexadecimal notation. The number $h$ is the same as the number $x x$ described above, and the number $k$ the same as the number yy described above.

### 5.2 Layout of the code table

An 8-bit code table consists of 256 positions arranged in 16 columns and 16 rows. The columns and the rows are numbered 00 to 15 . In hexadecimal notation the columns and the rows are numbered 0 to $F$.

The code table positions are identified by notations of the form $x x / y y$, where $x x$ is the column number and $y y$ is the row number. The column and row numbers are shown at the top and left edges of the table respectively. The code table positions are also identified by notations of the form hk, where $h$ is the column number and $k$ is the row number in hexadecimal notation. The column and row numbers are shown at the bottom and right edges of the table respectively.

The positions of the code table are in one-to-one correspondence with the bit combinations of the code. The notation of a code table position, of the form $x x / y y$, or of the form hk, is the same as that of the corresponding bit combination.

### 5.3 Names and meanings

This part of ISO/IEC 8859 assigns a unique name and a unique identifier to each graphic character. These names and identifiers have been taken from

ISO/IEC 10646-1 (E). This part of ISO/IEC 8859 also specifies an acronym for each of the characters SPACE, NO-BREAK SPACE and SOFT HYPHEN. For acronyms only Latin capital letters $A$ to $Z$ are used. It is intended that the acronyms be retained in all translations of the text.

Except for SPACE (SP), NO-BREAK SPACE (NBSP) and SOFT HYPHEN (SHY), this part of ISO/IEC 8859 does not define and does not restrict the meanings of graphic characters.

This part of ISO/IEC 8859 specifies a graphic symbol for each graphic character. This symbol is shown in the corresponding position of the code table. However, this part, or any other part, of ISO/IEC 8859 does not specify a particular style or font design for imaging graphic characters. Annex B of ISO/IEC 10367 gives further information on this subject.

### 5.3.1 SPACE (SP)

A graphic character the visual representation of which consists of the absence of a graphic symbol.

### 5.3.2 NO-BREAK SPACE (NBSP)

A graphic character the visual representation of which consists of the absence of a graphic symbol, for use when a line break is to be prevented in the text as presented.

### 5.3.3 SOFT HYPHEN (SHY)

A graphic character that is imaged by a graphic symbol identical with, or similar to, that representing HYPHEN, for use when a line break has been established within a word.

## 6 Specification of the coded character set

This part of ISO/IEC 8859 specifies 191 characters allocated to the bit combinations of the code table (table 2). None of these characters are combining characters.

NOTE - Combining characters are described in ISO/IEC 2022:1994 subclause 6.3.3.

Control functions, such as BACKSPACE or CARRIAGE RETURN, shall not be used to create composite graphic symbols, which are made up from the graphic representations of two or more characters.

### 6.1 Characters of the set and their coded representation

See table 1.

Table 1 - Character set, coded representation

| Bit combination | Hex | Identifier | Name |
| :---: | :---: | :---: | :---: |
| 02/00 | 20 | U +0020 | SPACE |
| 02/01 | 21 | U +0021 | EXCLAMATION MARK |
| 02/02 | 22 | U +0022 | QUOTATION MARK |
| 02/03 | 23 | U+0023 | NUMBER SIGN |
| 02/04 | 24 | U+0024 | DOLLAR SIGN |
| 02/05 | 25 | U+0025 | PERCENT SIGN |
| $02 / 06$ | 26 | U+0026 | AMPERSAND |
| 02/07 | 27 | U +0027 | APOSTROPHE |
| 02/08 | 28 | U +0028 | LEFT PARENTHESIS |
| 02/09 | 29 | U +0029 | RIGHT PARENTHESIS |
| 02/10 | 2 A | U+002A | ASTERISK |
| 02/11 | 2 B | U+002B | PLUS SIGN |
| 02/12 | 2 C | U +002 C | COMMA |
| $02 / 13$ | 2 D | U+002D | HYPHEN-MINUS |
| $02 / 14$ | 2 E | U+002E | FULL STOP |
| 02/15 | $2 F$ | U +002 F | SOLIDUS |
| 03/00 | 30 | U+0030 | DIGIT ZERO |
| 03/01 | 31 | U+0031 | DIGIT ONE |
| 03/02 | 32 | U+0032 | DIGIT TWO |
| 03/03 | 33 | U+0033 | DIGIT THREE |
| 03/04 | 34 | U+0034 | DIGIT FOUR |
| 03/05 | 35 | U+0035 | DIGIT FIVE |
| 03/06 | 36 | U +0036 | DIGIT SIX |
| 03/07 | 37 | U+0037 | DIGIT SEVEN |
| 03/08 | 38 | U+0038 | DIGIT EIGHT |
| 03/09 | 39 | U+0039 | DIGIT NINE |
| 03/10 | 3A | U +003 A | COLON |
| 03/11 | 3B | U+003B | SEMICOLON |
| 03/12 | 3 C | U +003 C | I_ESS-THAN SIGN |
| 03/13 | 3 D | U +003D | EQUALS SIGN |
| 03/14 | 3 E | U +003E | GREATER-THAN SIGN |
| 03/15 | 3 F | U +003 F | QUESTION MARK |
| 04/00 | 40 | U+0040 | COMMERCIAL AT |
| 04/01 | 41 | U +0041 | LATIN CAPITAL LETTER A |
| 04/02 | 42 | U+0042 | LATIN CAPITAL LETTER B |
| 04/03 | 43 | U+0043 | LATIN CAPITAL LETTER C |
| 04/04 | 44 | U+0044 | LATIN CAPITAL LETTER D |
| 04/05 | 45 | U+0045 | LATIN CAPITAL LETTER E |
| 04/06 | 46 | U+0046 | LATIN CAPITAL LETTER F |
| 04/07 | 47 | U +0047 | LATIN CAPITAL LETTER G |
| 04/08 | 48 | U+0048 | LATIN CAPITAL LETTER H |
| 04/09 | 49 | U+0049 | LATIN CAPITAL LETTER I |
| 04/10 | 4A | U +004A | LATIN CAPITAL LETTER J |
| 04/11 | 4B | U+004B | LATIN CAPITAL LETTER K |
| 04/12 | 4 C | U +004C | LATIN CAPITAL LETTER L |
| 04/13 | 4 D | U+004D | LATIN CAPITAL LETTER M |
| 04/14 | 4E | U +004 E | LATIN CAPITAL LETTER N |
| 04/15 | 4 F | U+004F | LATIN CAPITAL LETTER O |
| 05/00 | 50 | U +0050 | LATIN CAPITAL LETTER P |
| 05/01 | 51 | U +0051 | LATIN CAPITAL LETTER Q |
| 05/02 | 52 | U+0052 | LATIN CAPITAL LETTER R |
| 05/03 | 53 | U +0053 | LATIN CAPITAL LETTER S |
| 05/04 | 54 | U+0054 | LATIN CAPITAL LETTER T |
| 05/05 | 55 | U +0055 | LATIN CAPITAL LETTER U |
| 05/06 | 56 | U+0056 | LATIN CAPITAL LETTER V |
| 05/07 | 57 | U +0057 | LATIN CAPITAL LETTER W |
| 05/08 | 58 | U+0058 | LATIN CAPITAL LETTER X |
| 05/09 | 59 | U+0059 | LATIN CAPITAL LETTER Y |
| 05/10 | 5A | U +005 A | LATIN CAPITAL LETTER $Z$ |
| 05/11 | 5B | U +005B | LEFT SQUARE BRACKET |
| 05/12 | 5 C | U +005C | REVERSE SOLIDUS |
| 05/13 | 5D | U +005D | RIGHT SQUARE BRACKET |
| 05/14 | 5E | U +005 E | CIRCUMFLEX ACCENT |
| 05/15 | 5 F | U+005F | LOW LINE |

Table 1 (continued)

| Bit combination | Hex | Identifier | Name |
| :---: | :---: | :---: | :---: |
| - 06/00 | 60 | U +0060 | GRAVE ACCENT |
| 06/01 | 61 | U +0061 | LATIN SMALL LETTER A |
| 06/02 | 62 | U+0062 | LATIN SMALL LETTER B |
| 06/03 | 63 | U+0063 | LATIN SMALL LETTER C |
| 06/04 | 64 | U +0064 | LATIN SMALL LETTER D |
| 06/05 | 65 | U+0065 | LATIN SMALL LETTER E |
| 06/06 | 66 | U +0066 | LATIN SMALL LETTER F |
| 06/07 | 67 | U +0067 | LATIN SMALL LETTER G |
| 06/08 | 68 | U +0068 | LATIN SMALL LETTER H |
| 06/09 | 69 | U+0069 | LATIN SMALL LETTER I |
| 06/10 | 6 A | U +006 A | LATIN SMALL LETTER j |
| 06/11 | 6B | U+006B | LATIN SMALL LETTER K |
| 06/12 | 6C | U +006C | LATIN SMALL LETTER L |
| 06/13 | 6 D | U +006 D | LATIN SMALL LETTER M |
| 06/14 | 6 E | U +006 E | LATIN SMALL LETTER N |
| 06/15 | 6 F | U +006 F | LATIN SMALL LETTER O |
| 07/00 | 70 | U +0070 | LATIN SMALL LETTER P |
| 07/01 | 71 | U 00071 | LATIN SMALL LETTER Q |
| 07/02 | 72 | U+0072 | LATIN SMALL LETTER R |
| 07/03 | 73 | U 00073 | LATIN SMALL LETTER S |
| 07/04 | 74 | U+0074 | LATIN SMALL LETTER T |
| 07/05 | 75 | U +0075 | LATIN SMALL LETTER U |
| 07/06 | 76 | U+0076 | LATIN SMALL LETTER V |
| 07/07 | 77 | U+0077 | LATIN SMALL LETTER W |
| 07/08 | 78 | U+0078 | LATIN SMALL LETTER X |
| 07/09 | 79 | U+0079 | LATIN SMALL LETTER Y |
| 07/10 | 7A | U +007A | LATIN SMALL LETTER $Z$ |
| 07/11 | 7B | U+007B | LEFT CURLY BRACKET |
| 07/12 | 7C | U+007C | VERTICAL LINE |
| 07/13 | 7D | U+007D | RIGHT CURLY BRACKET |
| 07/14 | $7 E$ | U+007E | TILDE |
| 10/00 | A0 | U +00A0 | NO-BREAK SPACE |
| 10/01 | A1 | U +0104 | LATIN CAPITAL LETTER A WITH OGONEK |
| 10/02 | A2 | U+0138 | LATIN SMALL LETTER KRA (Greenlandic) |
| 10/03 | A3 | U+0156 | LATIN CAPITAL LETTER R WITH CEDILLA |
| 10/04 | A4 | U +0044 | CURRENCY SIGN |
| 10/05 | A5 | U+0128 | LATIN CAPITAL LETTER I WITH TILDE |
| 10/06 | A6 | U +013 B | LATIN CAPITAL LETTER L WITH CEDILLA |
| 10/07 | A7 | U+00A7 | SECTION SIGN |
| 10/08 | A8 | $U+0048$ | DIAERESIS |
| 10/09 | A9 | U +0160 | LATIN CAPITAL LETTER S WITH CARON |
| 10/10 | AA | U+0112 | LATIN CAPITAL LETTER E WITH MACRON |
| 10/11 | $A B$ | U 0122 | LATIN CAPITAL LETTER G WITH CEDILLA |
| 10/12 | AC | U+0166 | LATIN CAPITAL LETTER T WITH STROKE |
| 10/13 | $A D$ | U +00AD | SOFT HYPHEN |
| 10/14 | AE | U+017D | LATIN CAPITAL LETTER I WITH CARON |
| 10/15 | AF | U+00AF | MACRON |
| 11/00 | B0 | U+00B0 | DEGREE SIGN |
| 11/01 | Bi | U+0105 | LATIN SMALL LETTER A WITH OGONEK |
| 11/02 | B2 | U+02DB | OGONEK |
| 11/03 | B3 | U U 0157 | LATIN SMALL LETTER R WITH CEDILLA |
| 11/04 | B4 | U +0084 | ACUTE ACCENT |
| 11/05 | B5 | U+0129 | LATIN SMALL LETTER ! WITH TILDE |
| 11/06 | B6 | U +013 C | LATIN SMALL LETTER L WITH CEDILLA |
| 11/07 | B7 | U+02C7 | CARON |
| 11/08 | B8 | U $+00 \mathrm{B8}$ | CEDILLA |
| 11/09 | B9 | U +0161 | LATIN SMALL LETTER S WITHi CARON |
| 11/10 | BA | U +0113 | LATIN SMALL LETTER E WITH MACRON |
| 11/11 | BB | U +0123 | LATIN SMALL LETTER G WITH CEDILLA |
| 11/12 | BC | U+0167 | LATIN SMALL LETTER T WITH STROKE |
| 11/13 | BD | U +014A | LATIN CAPITAL LETTER ENG (Sámi) |
| 11/14 | BE | U +017E | LATIN SMALL LETTER Z WITH CARON |
| 11/15 | BF | U +014 B | LATIN SMALL LETTER ENG (Sárni) |

Table 1 (concluded)

| Bit combination | Hex | Identifier | Name |
| :---: | :---: | :---: | :---: |
| 12/00 | CO | $U+0100$ | LATIN CAPITAL LETTER A WITH MACRON |
| $12 / 01$ | C1 | U +00 C 1 | LATIN CAPITAL LETTER A WITH ACUTE |
| 12/02 | C2 | U +00 C 2 | LATIN CAPITAL LETTER A WITH CIRCUMFLEX |
| 12/03 | C3 | U +00C3 | LATIN CAPITAL LETTER A WITH TILDE |
| 12/04 | C4 | U +00 C 4 | LATIN CAPITAL LETTER A WITH DIAERESIS |
| $12 / 05$ | C5 | $U+00 \mathrm{C} 5$ | LATIN CAPITAL LETTER A WITH RING ABOVE |
| 12/06 | C6 | U+00C6 | LATIN CAPITAL LETTER AE |
| 12/07 | C7 | U+012E | LATIN CAPITAL LETTER I WITH OGONEK |
| 12/08 | C8 | U+010C | LATIN CAPITAL LETTER C WITH CARON |
| 12/09 | c9 | U+00C9 | LATIN CAPITAL LETTER E WITH ACUTE |
| 12/10 | CA | U +0118 | LATIN CAPITAL LETTER E WITH OGONEK |
| 12/11 | CB | U +00 CB | LATIN CAPITAL LETTER E WITH DIAERESIS |
| 12/12 | CC | U +0116 | LATIN CAPITAL LETTER E WITH DOT ABOVE |
| 12/13 | CD | U+00CD | LATIN CAPITAL LETTER I WITH ACUTE |
| 12/14 | CE | U +00CE | LATIN CAPITAL LETTER I WITH CIRCUMFLEX |
| 12/15 | CF | U+012A | LATIN CAPITAL LETTER I WITH MACRON |
| 13/00 | D0 | $U+0110$ | LATIN CAPITAL LETTER D WITH STROKE |
| 13/01 | D1 | U +0145 | LATIN CAPITAL LETTER N WITH CEDILLA |
| 13/02 | D2 | U+014C | LATIN CAPITAL LETTER O WITH MACRON |
| 13/03 | D3 | U +0136 | LATIN CAPITAL LETTER K WITH CEDILLA |
| 13/04 | D4 | U +00D4 | LATIN CAPITAL LETTER O WITH CIRCUMFLEX |
| 13/05 | D5 | U +0005 | LATIN CAPITAL LETTER O WITH TILDE |
| 13/06 | D6 | U+00D6 | LATIN CAPITAL LETTER O WITH DIAERESIS |
| 13/07 | D7 | U +0007 | MULTIPLICATION SIGN |
| 13/08 | D8 | U +00078 | LATIN CAPITAL LETTER O WITH STROKE |
| 13/09 | D9 | U +0172 | LATIN CAPITAL LETTER U WITH OGONEK |
| 13/10 | DA | U+00DA | LATIN CAPITAL LETTER U WITH ACUTE |
| 13/11 | DB | $U+00 \mathrm{DB}$ | LATIN CAPITAL LETTER U WITH CIRCUMFLEX |
| 13/12 | DC | U +00DC | LATIN CAPITAL LETTER U WITH DIAERESIS |
| 13/13 | DD | U+0168 | LATIN CAPITAL LETTER U WITH TILDE |
| 13/14 | DE | U +016 A | LATIN CAPITAL LETTER U WITH MACRON |
| 13/15 | DF | U +00 DF | LATIN SMALL LETTER SHARP S (German) |
| 14/00 | E0 | U+0101 | LATIN SMALL LETTER A WITH MACRON |
| 14/01 | E1 | U +00E1 | LATIN SMALL LETTER A WITH ACUTE |
| 14/02 | E2 | U +00 E 2 | LATIN SMALL LETTER A WITH CIRCUMFLEX |
| 14/03 | E3 | U +00E3 | LATIN SMALL LETTER A WITH TILDE |
| 14/04 | E4 | U +00 E 4 | LATIN SMALL LETTER A WITH DIAERESIS |
| 14/05 | E5 | U+00E5 | LATIN SMALL LETTER A WITH RING ABOVE |
| 14/06 | E6 | U + 00E6 | LATIN SMALL LETTER AE |
| 14/07 | E7 | U +012 F | LATIN SMALL LETTER I WITH OGONEK |
| 14/08 | E8 | U+010D | LATIN SMALL LETTER C WITH CARON |
| 14/09 | E9 | U +00 E 9 | LATIN SMALL LETTER E WITH ACUTE |
| 14/10 | EA | U +0119 | LATIN SMALL LETTER E WITH OGONEK |
| 14/11 | EB | U +00 EB | LATIN SMALL LETTER E WITH DIAERESIS |
| 14/12 | EC | $U+0117$ | LATIN SMALL LETTER E WITH DOT ABOVE |
| 14/13 | ED | U +00 ED | LATIN SMALL LETTER I WITH ACUTE |
| 14/14 | EE | U +00EE | LATIN SMALL LETTER I WITH CIRCUMFLEX |
| 14/15 | EF | U $\mathrm{U}+012 \mathrm{~B}$ | LATIN SMALL LETTER I WITH MACRON |
| 15/00 | Fo | U+0111 | LATIN SMALL LETTER D WITH STROKE |
| 15/01 | F1 | $U+0145$ | LATIN SMALL LETTER N WITH CEDILLA |
| 15/02 | F2 | U+014D | LATIN SMALL LETTER O WITH MACRON |
| 15/03 | F3 | U+0137 | LATIN SMALL LETTER K WITH CEDILLA |
| 15/04 | F4 | U +00 F 4 | LATIN SMALL LETTER O WITH CIRCUMFLEX |
| 15/05 | F5 | U + 00F5 | LATIN SMALL LETTER O WITH TILDE |
| 15/06 | F6 | U 400 F 6 | LATIN SMALL LETTER O WITH DIAERESIS |
| 15/07 | F7 | U 4 00F7 | DIVISION SIGN |
| 15/08 | F8 | U +00 F 8 | LATIN SMALL LETTER O WITH STROKE |
| 15/09 | Fg | U 40173 | LATIN SMALL LETTER U WITH OGONEK |
| 15/10 | FA | Ul + OOFA | - atin small letter u with acute |
| 15/11 | FB | U 1 +00FB | LATIN SMALL LETTER U WITH CIRCUMFLEX |
| 15/12 | FC | U 4 00FC | LATIN SMALL LETTER U WITH DIAERESIS |
| 15/13 | FD | U +0169 | LATIN SMALL LETTER U WITH TILDE |
| 15/14 | FE | U +016 B | LATIN SMALL LETTER U WITH MACRON |
| 15/15 | FF | U+02D9 | DOT ABOVE |

### 6.2 Code table

For each character in the set the code table (table 2) shows a graphic symbol at the position in the code table corresponding to the bit combination specified in table 1.

The shaded positions in the code table correspond to bit combinations that do not represent graphic characters. Their use is outside the scope of ISO/IEC 8859; it is specified in other International Standards, for example ISO/IEC 6429.

Table 2 - Code table of Latin alphabet No. 4


## 7 Identification of the character set

### 7.1 Identification according to ISO/IEC 2022 and ISO/IEC 4873

The graphic characters of this part of ISO/IEC 8859 constitute a single coded character set. However in accordance with ISO/IEC 2022 and ISO/IEC 4873 the code table of this part of ISO/IEC 8859 may be considered to consist of the following components:

- The character SPACE represented by bit combination 02/00;
- a 94-character G0 graphic character set represented by bit combinations 02/01 to 07/14;
- a 96-character G1 graphic character set represented by bit combinations 10/00 to 15/15.

When the identification methods of ISO/IEC 2022 or ISO/IEC 4873 are used this part of ISO/IEC 8859 shall be identified by the following pair of designation functions:

| GZD4 | $04 / 02$ | (ESC 02/08 04/02) |
| :--- | :--- | :--- |
| G1D6 | $04 / 04$ | (ESC 02/13 04/04) |

NOTE - The corresponding escape sequences are shown in parentheses.

### 7.2 Identification according to ISO/IEC 8824-1 (ASN.1)

In the terminology of ISO/IEC 8824-1 the character set of this part of ISO/IEC 8859 and the corresponding coded representations are distinct, and are known as the "character abstract syntax" and the "character transfer syntax" respectively.

When the identification methods of ISO/IEC 8824-1 are used this part of ISO/IEC 8859 shall be identified by the following object identifiers:

- character set
\{ iso standard 88594 abstract-syntax (1) \}
- coded representations
\{ iso standard 88594 transfer-syntax ( 0 ) \}
The corresponding object descriptors shall be:
- character set "ISO 8859 part 4 repertoire"
- coded representations "ISO 8859 part 4 code"


### 7.3 Identification using the ISO International register of coded character sets to be used with escape sequences

According to 7.1 above the character set of this part of ISO/IEC 8859 may be considered to consist of the character SPACE, a 94 -character G0 graphic character set, and a 96 -character G1 graphic character set. The G0 and G1 graphic character sets may be identified by the use of the Registration Numbers from the ISO International register of coded character sets to be used with escape sequences.
When these registration numbers are used this part of ISO/IEC 8859 shall be identified by the following pair of registration numbers:

- G0 graphic character set ISO-IR 6
- G1 graphic character set ISO-IR 110


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