

## SLOVENSKI STANDARD SIST-TS CEN/TS 1923:2003

01-oktober-2003

#### Nabori evropskih znakov in njihovo kodiranje – kodiranje v 8-bitne besede

European character repertoires and their coding - 8-bit single-byte coding

Informationstechnik - Europäische Zeichenvorräte und deren Codierung - 8-Bit-Einzelbyte-Codierung

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informacij

Character sets and information coding

SIST-TS CEN/TS 1923:2003

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## TECHNICAL SPECIFICATION SPÉCIFICATION TECHNIQUE TECHNISCHE SPEZIFIKATION

## **CEN/TS 1923**

May 2003

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#### English version

## European character repertoires and their coding - 8-bit singlebyte coding

This Technical Specification (CEN/TS) was approved by CEN on 16 October 2002 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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#### SIST-TS CEN/TS 1923:2003

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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#### **Foreword**

This document (CEN/TS 1923:2003) has been prepared by Technical Committee CEN/TC 304, "Information and communications technology - European localization requirements", the secretariat of which is held by SIS.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

This Technical Specification is a revision of the European Standard EN 1923:1998, which it cancels and replaces. The main purpose of the revision is to include, and thereby to publicize the availability of, 8-bit code tables developed after the publication of EN 1923:1998; in particular the code table of ISO/IEC 8859-15 and the tables of other additions to the ISO/IEC 8859 series. Although CEN/TC 304 decided that a revision of the contents of EN 1923:1998 was necessary, some uncertainty existed whether the standard as such is needed by the data community in the present-day direction towards multi-octet coding schemes. The committee therefore decided to classify the revised document as a Technical Specification. Its usefulness will thereby become evaluated.

The contents of this document differs from that of EN 1923:1998 in the following respects:

- Extensive editorial changes have been made to the text for conformance with present CEN/CENELEC drafting rules.
- Additional coding scheme options have been introduced, corresponding to ISO/IEC 8859 parts 14, 15 and 16 (Latin-8, Latin-9 and Latin-10), and also to ISO-IR 204 ("Latin-1 alternative with Euro").
- For consistency, the definitions of all options now refer to registrations according to ISO 2375:1985 in the ISO
   "International register of coded character sets to be used with escape sequences". Relationships to ISO/IEC 10646-1:2000 specifications are also given, to the extent applicable.
- An informative Annex A has been added, containing ISO/IEC 10646-1:2000 identifications for all characters in the options character sets.
- An informative Annex B has been added, listing relationships to ISO/IEC 7/8-bit coding standards.
- An informative Annex C has been added, illustrating the code tables for all options.

#### Scope

This Technical Specification specifies the graphic character repertoires and their single-byte coding, which are available for use for information interchange between information processing systems and for use within such systems, in the scripts that are commonly used by the members of CEN/CENELEC and the Institutions of the European Union and the European Free Trade Association.

This Technical Specification does not specify the interchange of information using a telematic service. The character repertoire and the coding used by a telematic service are defined by the specification of that service. The transmission of information based on the specifications of this Technical Specification using a telematic service may necessitate an adaptation of the number of characters of a repertoire (repertoire transformation function) or a change to the coding (code transformation function).

#### 3.2 byte

bit string that is operated upon as a unit

#### 3.3

#### character

member of a set of elements used for the organization, control, or representation of data

#### 3.4

#### coded-character-data-element CC-data-element

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

#### 3.5

## coded character set

#### code

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

## iTeh STANDARD PREVIEW

#### Normative references

## (standard sode extension

This Technical Specification incorporates by dated or undated reference, provisions from other publications.CED These normative references are cited at the appropristandards/sixt/ac828d99-a80e-4823-8030ate places in the text and the publications are fisted sist-ts hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this Technical Specification only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

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

ISO 2375:1985, Data processing - Procedure for registration of escape sequences

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

#### **Terms and definitions** 3

For the purposes of this Technical Specification, the following terms and definitions apply:

#### 3.1

#### bit combination

ordered set of bits used for the representation of characters

techniques for the encoding of characters that are not included in the character set of a given code

## code table

table showing the characters allocated to each bit combination in a code

#### 3.8

#### control character

control function the coded representation of which consists of a single bit combination

#### 3.9

#### control function

action that affects the recording, processing, transmission or interpretation of data, and that has a coded representation consisting of one or more bit combinations

#### 3.10

#### to designate

to identify a set of characters that are to be represented, in some cases immediately and in others on the occurrence of a further control function, in a prescribed manner

## 3.11

#### device

component of information processing equipment which can transmit and/or receive coded in-formation within CC-data-elements; it may be an input/output device in the conventional sense, or a process such as an application program or gateway function

#### 3.12

#### escape sequence

string of bit combinations that is used for control purposes in code extension procedures; the first of these bit combinations represents the control function ES-CAPE

#### 3.13

#### graphic character

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

In CEN/TS 1923 a single bit combination is used to represent each character.

#### 3.14

#### G-set

same as "coded graphic character set" in ISO/IEC 2022:1994

#### 3.15

#### position

that part of a code table identified by its column and row coordinates

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#### 3.16

#### repertoire

specified set of characters that are each represented by one or more bit combinations of a coded character N/TS set

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#### 3.17

#### user

person or other entity that invokes the services provided by a device; this entity may be a process such as an application program if the "device" is a code convertor or a gateway function, for example

#### Conformance

#### 4.1 Conformance for information interchange

A CC-data-element within coded information for interchange is in conformance with this Technical Specification if all the coded representations of graphic characters within that CC-data-element conform to the requirements of clauses 6 and 7.

#### 4.2 Conformance of devices

#### 4.2.1 General

A device is in conformance with this Technical Specification if it conforms to the requirements of clause 4.2.2, and either or both of clauses 4.2.3 and 4.2.4. A claim of conformance shall identify the document which contains the description specified in clause 4.2.2, and shall identify the option adopted.

#### 4.2.2 Device description

A device that conforms to this Technical Specification 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 clauses 4.2.3 and 4.2.4.

#### 4.2.3 Originating devices

An originating device shall allow its user to supply any sequence of graphic characters from the option adopted, and shall be capable of transmitting their coded representations within a CC-data-element.

#### 4.2.4 Receiving devices

A receiving device shall be capable of receiving and interpreting any coded representations of graphic characters that are within a CC-data-element, and that conform to clause 4.1, and shall make the corresponding characters available to the user in such a way that the user can identify them from among those iTeh STANDAR conforming to the option. them from each other. conforming to the option adopted, and can distinguish

## Scenario description

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There are four collections of graphic characters identified in this Technical Specification, comprising the characters needed for the:

- Latin script
- Greek script
- Cyrillic script
- Symbols repertoire

These collections are further divided into repertoires as described in clause 6.

#### 5.2 Combinations of repertoires and their coding

This Technical Specificationidentifies combinations of character repertoires and their coding as options. An option identified in this Technical Specificationdefines only the minimum requirements, in terms of character repertoire and coding, applied to a conforming device. Additional capabilities of the originating or receiving device may be used, during the information interchange, subject to bilateral agreement.

8-bit single byte coding shall be a version of ISO/IEC 4873:1991, clause 9; with the exception of the Invariant-Latin repertoire (see below).

This Technical Specificationis intended to be NOTE used with other standards specifying control functions, as needed by the base coding standards.

#### Repertoire descriptions 6

The following descriptions refer to registrations according to ISO 2375:1985 in the ISO "International register of coded character sets to be used with escape sequences" (ISO-IR).

NOTE Some identical coded character sets or subsets/supersets of them also exist in ISO/IEC 10646-1:2000 and/or in ISO/IEC 7/8-bit standards; see annexes A and B for details.

#### 6.1 Latin script

Nine subsets of this collection of graphic characters are identified, each with a subset/superset relation with the others. The subsets are the following: A

The Invariant-Latin repertoire containing 83 characa r (1) defined, which is: ters as defined in ISO-IR 170 (repertoire IVL).

The Initial-Latin repertoire containing 95 characters and and as defined in ISO-IR 6 (repertoire IL). It is a true sur/(sist-ts-cen-ts-1923-2003 perset of the Invariant-Latin repertoire.

The Basic-Latin-a repertoire comprising the Initial-Latin repertoire plus the repertoire of ISO-IR 100 "Latin-1 Supplement" (repertoire BLa). It is a true superset of the Initial-Latin repertoire.

NOTE This set was named Basic-Latin (BL) in EN 1923:1998.

The Basic-Latin-b repertoire comprising the Initial-Latin repertoire plus the repertoire of ISO-IR 204 "Supplementary Set for Latin-1 alternative with Euro sign" (repertoire BLb). It is a true superset of the Initial-Latin repertoire.

NOTE The set has been added in the revision, to provide a coding scheme corresponding to Basic-Latin-a but also containing the Euro sign.

The Basic-Latin-c repertoire comprising the Initial-Latin repertoire plus the repertoire of ISO-IR 203 "European Supplementary Latin Set ('Latin-9')" (repertoire BLc). It is a true superset of the Initial-Latin repertoire.

NOTE The set has been added in the revision, to provide a coding scheme containing the Euro sign, and also to complement the repertoire of European letters.

The Large-Latin-8-a repertoire for the 8-bit environment, comprising the union of the Basic-Latin-a repertoire with the repertoires of ISO-IR 101 and ISO-IR 154 (repertoire LL8a). It is a true superset of the Basic-Latin-a repertoire.

The Large-Latin-8-b repertoire for the 8-bit environment, comprising the union of the Basic-Latin-b repertoire with the repertoires of ISO-IR 101 and ISO-IR 154 (repertoire LL8b). It is a true superset of the Basic-Latin-b repertoire.

The Celtic repertoire containing 96 characters as defined in ISO-IR 199 (repertoire **BK**).

The set has been added in the revision. It is intended for use together with the Initial-Latin repertoire.

The **Romanian** repertoire containing 96 characters as defined in ISO-IR 226 (repertoire **BR**).

The set has been added in the revision. It is intended for use together with the Initial-Latin repertoire.

#### 6.2 Greek script

In the 8-bit environment only one Greek repertoire is

The Basic-Greek repertoire comprising the characters defined in ISO-IR 126 (repertoire **BG**).

#### 6.3 Cyrillic script

In the 8-bit environment only one Cyrillic repertoire is defined, which is:

The Basic-Cyrillic repertoire comprising the characters defined in ISO-IR 144 (repertoire BC).

#### 6.4 The symbols repertoire

This repertoire shall comprise the characters defined in ISO-IR 155 (repertoire BS).

### Coding methods applicable

### 7.1 8-bit single-byte coding

Each character shall be coded by the use of a single byte. No control function shall be used that would cause characters within a repertoire to be combined to represent any other character.

The various repertoires shall form G-sets, according to the relevant provisions of ISO/IEC 2022:1994.

When code extension techniques are applied, then the provisions of ISO/IEC 2022:1994 and ISO/IEC 4873:1991 shall be followed. The application should always conform to a certain level of ISO/IEC 4873:1991 (except for the Invariant-Latin repertoire; see below).

When code extension techniques are applied, then all the necessary control functions must exist, coded as specified in ISO/IEC 4873:1991.

The G0 element shall contain the Initial-Latin repertoire and shall be coded and designated according to paragraph 7.2.2.

The "Latin-1 Supplement" repertoire shall form either a G1 or a G2 or a G3 set in a version of ISO/IEC 4873:1991. The characters shall be arranged in the code table as specified in ISO-IR 100.

The escape sequences to designate this set will be:

ESC 02/13 04/01 as G1 ESC 02/14 04/01 as G2 ESC 02/15 04/01 as G3

#### 7.2.4 Basic-Latin-b repertoire

The BLb repertoire shall form two G-sets in a version of ISO/ IEC 4873:1991.

The G0 element shall contain the Initial-Latin repertoire and shall be coded and designated according to paragraph 7.2.2.

### 7.2 Formation of G-sets

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The characters belonging to the repertoires defined in clause 6 shall be arranged to the code table positions. and shall form G-sets as specified in the following.

#### 7.2.1 Invariant-Latin repertoire

The IVL repertoire shall always form a G0 code element according to ISO/ IEC 2022:1994.

The characters shall be arranged in the code table as specified in ISO-IR 170.

The escape sequence to designate this set will be:

ESC 02/08 02/01 04/02

#### 7.2.2 Initial-Latin repertoire

The IL repertoire shall always form a G0 code element in a version of ISO/IEC 4873:1991.

The characters shall be arranged in the code table as specified in ISO-IR 6.

The escape sequence to designate this set will be:

ESC 02/08 04/02

#### 7.2.3 Basic-Latin-a repertoire

The BLa repertoire shall form two G-sets in a version of ISO/ IEC 4873:1991.

The "Supplementary Set for Latin-1 alternative with Euro sign repertoire shall form either a G1 or a G2 or a G3 set in a version of ISO/IEC 4873:1991. The IN characters shall be arranged in the code table as standards/sispecified/in ISO4R 20430-

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The escape sequences to designate this set will be:

ESC 02/13 06/03 as G1 ESC 02/14 06/03 as G2 ESC 02/15 06/03 as G3

#### 7.2.5 Basic-Latin-c repertoire

The BLc repertoire shall form two G-sets in a version of ISO/IEC 4873:1991.

The G0 element shall contain the Initial-Latin repertoire and shall be coded and designated according to paragraph 7.2.2.

The "European Supplementary Latin Set" repertoire shall form either a G1 or a G2 or a G3 set in a version of ISO/IEC 4873:1991. The characters shall be arranged in the code table as specified in ISO-IR 203.

The escape sequences to designate this set will be:

ESC 02/13 06/02 as G1 ESC 02/14 06/02 as G2 ESC 02/15 06/02 as G3

#### 7.2.6 Large-Latin-8-a repertoire

The LL8a repertoire shall form four G-sets in a version of ISO/IEC 4873:1991.

Two G-sets will contain the BLa repertoire and shall be coded and designated according to 7.2.3.

The rest of the repertoire shall be arranged in the code table positions as specified in ISO-IR 101 and ISO-IR 154, thus forming two G-sets that can be used as G1 or G2 or G3 sets in a version of ISO/IEC 4873:1991.

The escape sequences to designate the registration 101 set will be:

ESC 02/13 04/02 as G1 ESC 02/14 04/02 as G2 ESC 02/15 04/02 as G3

The escape sequences to designate the registration 154 set will be:

ESC 02/13 05/00 as G1 ESC 02/14 05/00 as G2 ESC 02/15 05/00 as G3

The BC repertoire shall form one G-set in a version of iTeh STANDARISO/IEC 4873:1991.

> (standards it repertoire) shall be arranged in the code table as specified in ISO-IR 144, as a G1 or G2 or G3 set. SIST-TS CEN/TS 1923:2003

#### 7.2.7 Large-Latin-8-b repertoire

The LL8b repertoire is identical to Large-Latin-8-a lex-tandard The escape sequences to designate this set will be: cept that two G-sets will contain the BLbz repertoire /sist-ts-cen-ts-1923-2003 coded and designated according to 7.2.4. For the rest of the repertoire the same coding and designations as

specified in 7.2.6 applies.

7.2.8 Celtic repertoire

The BK repertoire shall form one G-set in a version of ISO/IEC 4873:1991.

The repertoire shall be arranged in the code table as specified in ISO-IR 199 as a G1 or G2 or G3 set.

The escape sequences to designate this set will be:

ESC 02/13 05/15 as G1 ESC 02/14 05/15 as G2 ESC 02/15 05/15 as G3

#### 7.2.9 Romanian repertoire

The BR repertoire shall form one G-set in a version of ISO/IEC 4873:1991.

The repertoire shall be arranged in the code table as specified in ISO-IR 226 as a G1 or G2 or G3 set.

The escape sequences to designate this set will be:

ESC 02/13 06/06 as G1 ESC 02/14 06/06 as G2

ESC 02/15 06/06 as G3

#### 7.2.10 Basic-Greek repertoire

The BG repertoire shall form one G-set in a version of ISO/IEC 4873:1991.

The repertoire shall be arranged in the code table as specified in ISO-IR 126 as a G1 or G2 or G3 set.

The escape sequences to designate this set will be:

ESC 02/13 04/06 as G1 ESC 02/14 04/06 as G2 ESC 02/15 04/06 as G3

NOTE A new Greek registration, tentatively designated ISO-IR 227, is at present in processing; for further information see character set ISO-IR 126 in Annex A.

#### 7.2.11 Basic-Cyrillic repertoire

## 7.2.12 Symbols repertoire

ESC 02/13 04/12 as G1

ESC 02/14 04/12 as G2

ESC 02/15 04/12 as G3

The BS repertoire shall form one G-set in a version of ISO/IEC 4873:1991.

The repertoire shall be arranged in the code table as specified in ISO-IR 155, as a G1 or G2 or G3 set.

The escape sequences to designate this set will be:

ESC 02/13 05/01 as G1 ESC 02/14 05/01 as G2 ESC 02/15 05/01 as G3

#### Identification of options

If a reference to this Technical Specification is made in another document, the option adopted shall be clearly identified.

Table 1 summarizes the options that conform to the requirements of this Technical Specification.

Table 1 — Summary of options

| OPTION            | REPERTOIRE                                     | G-SET USED                         | ISO/IEC 4873 LEVEL |
|-------------------|--|------------------------------------|--------------------|
| Α                 | IVL  | G0                                 | (Not applicable)   |
| В                 | IL   | G0                                 | 1 OR 2 OR 3        |
| Сх                | BLx  | G0/G1                              | 1 OR 2 OR 3        |
| Dy                | LL8y   | G0/G1/G2/G3                        | 2 OR 3             |
| E                 | BG   | G1/G2/G3                           | 1 OR 2 OR 3        |
| F                 | BC   | G1/G2/G3                           | 1 OR 2 OR 3        |
| G                 | BS   | G1/G2/G3                           | 1 OR 2 OR 3        |
| Н                 | BK   | G1/G2/G3                           | 1 OR 2 OR 3        |
| J                 | BR   | G1/G2/G3                           | 1 OR 2 OR 3        |
| BE                | IL+BG  | G0/G1                              | 1 OR 2 OR 3        |
| CxE               | BLx+BG   | G0/G1/G2                           | 2 OR 3             |
| BEG               | IL+BG+BS                                       | G0/G1/G2                           | 2 OR 3             |
| CxEG              | BLx+BG+BS                                      | G0/G1/G2/G3                        | 2 OR 3             |
| BF                | IL+BC  | G0/G1                              | 1 OR 2 OR 3        |
| CxF               | BLx+BC   | G0/G1/G2                           | 2 OR 3             |
| BFG iTe           | HL+BC+BS \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | G0/G1/G2 F V F                     | 2 OR 3             |
| CxFG              | BLx+BC+BS                                      | G0/G1/G2/G3                        | 2 OR 3             |
| BEF               | IL+BG+BC                                       | G0/G1/G2                           | 2 OR 3             |
| BEFG              | IL+BG+BC+BS                                    | G0/G1/G2/G3                        | 2 OR 3             |
| CxEF https://stan |  | ls/ <b>G0/G1/G2/G3</b> )-a80e-4823 | -20R-3             |
| ВН                | IL+BR300c62c321/sist-ts-                       | cons 1923-2003                     | 1 OR 2 OR 3        |
| ВЈ                | IL+BR  | G0/G1                              | 1 OR 2 OR 3        |

The letter "x" in the table above stands for "a", "b" or "c", indicating repertoire Basic-Latin-a, Basic-Latin-b or Basic-Latin-c, respectively. The letter "y" stands for either "a" or "b", indicating repertoire Large-Latin-8-a or Large-Latin-8-b, respectively.

For instance, option Ca specifies repertoire Basic-Latin-a; and option CcE repertoire Basic-Latin-c + Basic-Greek.

## Annex A

(informative)

## Specifications of referenced ISO-IR code tables

Several of the ISO-IR registrations referenced in clauses 6 and 7 were developed before ISO/IEC 10646 existed. The character names in those registrations are therefore not harmonized with the names in ISO/IEC 10646-1, and character identifications (on the form U+xxxx) are missing.

In this informative annex the code tables of all the registrations referred to are presented, with character names harmonized and identifiers added. Comments on their relationship to corresponding tables in ISO/IEC 10646-1:2000 are also provided.

Table A.1 - Character set ISO-IR 6 (Basic Latin), coded representation

| Bit              |          |                  |  | 1          | Bit              |               |            |                            |
|------------------|----------|------------------|--|------------|------------------|---------------|------------|----------------------------|
| combi-<br>nation | Hex      | Identifier       | Name   |            | combi-<br>nation | Hex           | Identifier | Name                       |
| 02/00            | 20       | U+0020           | SPACE  |            | 05/00            | 50            | U+0050     | LATIN CAPITAL LETTER P     |
| 02/01            | 21       | U+0021           | EXCLAMATION MARK   |            | 05/01            | 51            | U+0051     | LATIN CAPITAL LETTER Q     |
| 02/02            | 22       | U+0022           | QUOTATION MARK   |            | 05/02            | 52            | U+0052     | LATIN CAPITAL LETTER R     |
| 02/02            | 23       | U+0023           | NUMBER SIGN  |            | 05/03            | 53            | U+0053     | LATIN CAPITAL LETTER'S     |
| 02/04            | 24       | U+0024           | DOLLAR SIGN  |            | 05/04            | 54            | U+0054     | LATIN CAPITAL LETTER T     |
| 02/04            | 25       | U+0025           | PERCENT SIGN   |            | 05/05            | 55            | U+0055     | LATIN CAPITAL LETTER U     |
| 02/06            | 26       | U+0026           | AMPERSAND  |            | 05/06            | 56            | U+0056     | LATIN CAPITAL LETTER V     |
| 02/07            | 27       | U+0027           | ADOSTROPHE TO L CT A NID   | <b>A</b> 7 | 05/07            | 57            | U+0057     | LATIN CAPITAL LETTER W     |
| 02/07            | 28       | U+0028           | APOSTROPHE iTeh STAND LEFT PARENTHESIS RIGHT PARENTHESIS ASTERISK  STAND | A          | 05/08            | 58            | U+0058     | LATIN CAPITAL LETTER X     |
| 02/00            | 29       | U+0029           | DICHT DADENTHESIS  |            | 05/09            | 59            | U+0059     | LATIN CAPITAL LETTER Y     |
| 02/03            | 2A       | U+0024           | ACTEDICK (Standa)  | rc         | 05/10            | GA1           | U+005A     | LATIN CAPITAL LETTER Z     |
| 02/10            | 2B       | U+002A           | PLUS SIGN  |            | 05/10            | 5B            | U+005B     | LEFT SQUARE BRACKET        |
| 02/11            | 2C       | U+002B           | COMMA  |            | 05/11            | 5C            | U+005C     | REVERSE SOLIDUS            |
| 02/12            | 2D       | U+002D           | HYPHEN-MINUS SIST-TS C   | EN/        | T05/13           | 3500          | 0+005C     | RIGHT SQUARE BRACKET       |
| 02/13            | 2E       | U+002E           | FULL STOP https://standards.iteh.ai/catalog/star   | nda        | 03/13<br>05/14t/ | a <b>6</b> €2 | 0+005E     | 0 4000 0000                |
| 02/14            | 2F       | U+002E           | SOLIDUS 62300c62c321/si  | at t       | -05/14 s         | -5F)2         | 3U+005E    | CIRCUMFLEX ACCENT LOW LINE |
| 03/00            | 30       | U+0030           | DIGIT ZERO   | St-t       | 06/00            | 60            | U+0060     | GRAVE ACCENT               |
| 1                |          |                  |  |            |                  |               | U+0061     |                            |
| 03/01            | 31       | U+0031           | DIGIT TWO  |            | 06/01            | 61            |            | LATIN SMALL LETTER R       |
| 03/02            | 32       | U+0032           | DIGIT TUDES  |            | 06/02            | 62            | U+0062     | LATIN SMALL LETTER C       |
| 03/03            | 33       | U+0033           | DIGIT THREE  |            | 06/03            | 63            | U+0063     | LATIN SMALL LETTER C       |
| 03/04            | 34       | U+0034           | DIGIT FOUR   |            | 06/04            | 64            | U+0064     | LATIN SMALL LETTER D       |
| 03/05            | 35       | U+0035           | DIGIT FIVE   |            | 06/05            | 65            | U+0065     | LATIN SMALL LETTER E       |
| 03/06            | 36       | U+0036           | DIGIT SIX  |            | 06/06            | 66<br>67      | U+0066     | LATIN SMALL LETTER C       |
| 03/07            | 37       | U+0037           | DIGIT SEVEN  |            | 06/07            |               | U+0067     | LATIN SMALL LETTER U       |
| 03/08            | 38       | U+0038           | DIGIT EIGHT  |            | 06/08            | 68            | U+0068     | LATIN SMALL LETTER H       |
| 03/09            | 39       | U+0039           | DIGIT NINE   |            | 06/09            | 69            | U+0069     | LATIN SMALL LETTER I       |
| 03/10            | 3A       | U+003A           | COLON  |            | 06/10            | 6A            | U+006A     | LATIN SMALL LETTER I       |
| 03/11            | 3B       | U+003B           | SEMICOLON  |            | 06/11            | 6B            | U+006B     | LATIN SMALL LETTER K       |
| 03/12            | 3C       | U+003C           | LESS-THAN SIGN   |            | 06/12            | 6C            | U+006C     | LATIN SMALL LETTER L       |
| 03/13            | 3D       | U+003D           | EQUALS SIGN  |            | 06/13            | 6D            | U+006D     | LATIN SMALL LETTER M       |
| 03/14            | 3E       | U+003E           | GREATER-THAN SIGN  |            | 06/14            | 6E            | U+006E     | LATIN SMALL LETTER N       |
| 03/15            | 3F       | U+003F           | QUESTION MARK  |            | 06/15            | 6F            | U+006F     | LATIN SMALL LETTER O       |
| 04/00            | 40       | U+0040           | COMMERCIAL AT  |            | 07/00            | 70            | U+0070     | LATIN SMALL LETTER P       |
| 04/01            | 41       | U+0041           | LATIN CAPITAL LETTER A   |            | 07/01            | 71            | U+0071     | LATIN SMALL LETTER Q       |
| 04/02            | 42<br>43 | U+0042           | LATIN CAPITAL LETTER C   |            | 07/02            | 72            | U+0072     | LATIN SMALL LETTER R       |
| 04/03            | -        | U+0043           | LATIN CAPITAL LETTER C   |            | 07/03            | 73            | U+0073     | LATIN SMALL LETTER S       |
| 04/04            | 44       | U+0044           | LATIN CAPITAL LETTER D   |            | 07/04            | 74            | U+0074     | LATIN SMALL LETTER T       |
| 04/05            | 45       | U+0045           | LATIN CAPITAL LETTER E   |            | 07/05            | 75<br>70      | U+0075     | LATIN SMALL LETTER U       |
| 04/06            | 46       | U+0046           | LATIN CAPITAL LETTER C   |            | 07/06            | 76            | U+0076     | LATIN SMALL LETTER W       |
| 04/07            | 47       | U+0047           | LATIN CAPITAL LETTER I   |            | 07/07            | 77            | U+0077     | LATIN SMALL LETTER V       |
| 04/08            | 48       | U+0048           | LATIN CAPITAL LETTER H   |            | 07/08            | 78            | U+0078     | LATIN SMALL LETTER X       |
| 04/09            | 49       | U+0049           | LATIN CAPITAL LETTER I   |            | 07/09            | 79            | U+0079     | LATIN SMALL LETTER 7       |
| 04/10            | 4A       | U+004A           | LATIN CAPITAL LETTER I   |            | 07/10            | 7A            | U+007A     | LATIN SMALL LETTER Z       |
| 04/11            | 4B       | U+004B           | LATIN CAPITAL LETTER K   |            | 07/11            | 7B            | U+007B     | LEFT CURLY BRACKET         |
| 04/12            | 4C       | U+004C           | LATIN CAPITAL LETTER M   |            | 07/12            | 7C            | U+007C     | VERTICAL LINE              |
| 04/13            | 4D<br>4E | U+004D           | LATIN CAPITAL LETTER M   |            | 07/13            | 7D<br>7E      | U+007D     | RIGHT CURLY BRACKET        |
| 04/14            | 4E<br>4F | U+004E<br>U+004F | LATIN CAPITAL LETTER N   |            | 07/14            | / E           | U+007E     | TILDE                      |
| 04/15            | 46       | U+004F           | LATIN CAPITAL LETTER O   | ]          |                  | <u> </u>      |            |                            |

Table A.2 - Character set ISO-IR 100 (Latin-1 supplement) and ISO-IR 204, coded representation

| 1000   | Bit<br>combi-<br>nation | Hex | Identifier | Name                                      |     | Bit<br>combi-<br>nation | Hex          | Identifier     | Name                                   |
|--|-------------------------|-----|------------|---|-----|-------------------------|--------------|----------------|--|
| 1000   | 10/00                   | ۸٥  | 11+0040    | NO BDEVK SDVCE                            |     | 13/00                   | DΩ           | 11+0000        | LATIN CADITAL LETTED ETH               |
| 10003   A2   U+00A2   CENT SIGN   10003   A3   U+00A2   CURRENCY SIGN (\$SOAR 204: U+20AC EURO SIGN)   1304   A4   U+00A4   CURRENCY SIGN (\$SOAR 204: U+20AC EURO SIGN)   1305   D5   U+00A5   FINE SIGN   1306   D6   U+00A5   FINE SIGN   1306   D6   U+00A5   EARLY CONTROL SIGN   1307   D7   U+00A7   SCION SIGN   1307   D7   U+00A7   SCION SIGN   1308   D8   U+00A8   DIARRESIS   U+00A8   U+00A8   U+00A8   DIARRESIS   U+00 | l                       |     |            |   |     |                         |              |                |  |
| 1000   | l                       |     |            |   |     |                         |              |                |  |
| 1000   |                         |     |            |   |     |                         |              |                |  |
| 1006   | l                       |     |            |   |     |                         | -            |                |  |
| 1000   | l                       |     |            | ,   |     |                         |              |                |  |
| 1000   | l                       |     |            |   |     |                         | -            |                |  |
| 1010   AA  |                         | A7  | U+00A7     |   |     | 13/07                   | D7           | U+00D7         |  |
| 10/10   AB   U-900AB   FEMININE ORDINAL INDICATOR   13/11   DB   U-900BL   LATIN CAPITAL LETTER U WITH ACUTE   13/12   DB   U-900BL   LATIN CAPITAL LETTER U WITH CIRCUMFLEX   13/12   DB   U-900BL   LATIN CAPITAL LETTER U WITH DIAERESIS   13/12   DB   U-900BL   LATIN CAPITAL LETTER U WITH DIAERESIS   13/12   DB   U-900BL   LATIN CAPITAL LETTER U WITH DIAERESIS   13/12   DB   U-900BL   LATIN CAPITAL LETTER U WITH DIAERESIS   13/12   DB   U-900BL   LATIN CAPITAL LETTER U WITH DIAERESIS   13/12   DB   U-900BL   LATIN CAPITAL LETTER WITH ACUTE   U-900EL   LATIN CAPITAL LETTER SHARP S   U-900AF   LATIN CAPITAL LETTER SHARP S   U-900AF   LATIN CAPITAL LETTER SHARP S   U-900AF   LATIN CAPITAL LETTER WITH ACUTE   U-900AF   LATIN CAPITAL LETTER WITH ACUTE   U-900AF   LATIN CAPITAL LETTER WITH ACUTE   U-900AF   LATIN CAPITAL LETTER A WITH GROWN   U-900AF   U-900AF   LATIN CAPITAL LETTER A WITH ACUTE   U-900AF   U-   | 10/08                   | A8  | U+00A8     | DIAERESIS                                 |     | 13/08                   | D8           | U+00D8         | LATIN CAPITAL LETTER O WITH STROKE     |
| 10112   AB   U-000AB   LETT-POINTING DOUBLE ANGLE QUOTATION MARK   13/11   DB   U-000B   LATIN CAPITAL LETTER U WITH CIRCUMFLEX   U-001A   LATIN CAPITAL LETTER HORN   U-001A   LATIN CAPITAL LETTER HORN   U-001A   LATIN CAPITAL LETTER HORN   U-001A   LATIN CAPITAL LETTER A WITH GRAVE   U-001A   LATIN CAPITAL LETTER A WITH FILDE   U-001A   LATIN CAPITAL LETTER A WITH GRAVE   U-001A   LATIN CAPITAL LETTER A WITH GRAVE   U-001A   U-001A   LATIN CAPITAL LETTER A WITH GRAVE   U-001A   LATI   | 10/09                   | A9  | U+00A9     | COPYRIGHT SIGN                            |     | 13/09                   | D9           | U+00D9         | LATIN CAPITAL LETTER U WITH GRAVE      |
| 101/3   AC   | 10/10                   | AA  | U+00AA     | FEMININE ORDINAL INDICATOR                |     | 13/10                   | DA           | U+00DA         | LATIN CAPITAL LETTER U WITH ACUTE      |
| 101/14   AE  | 10/11                   | AB  | U+00AB     | LEFT-POINTING DOUBLE ANGLE QUOTATION MARK |     | 13/11                   | DB           | U+00DB         | LATIN CAPITAL LETTER U WITH CIRCUMFLEX |
| 101/5  | 10/12                   | AC  | U+00AC     | NOT SIGN                                  |     | 13/12                   | DC           | U+00DC         | LATIN CAPITAL LETTER U WITH DIAERESIS  |
| 11/10  | 10/13                   | AD  | U+00AD     | SOFT HYPHEN                               |     | 13/13                   | DD           | U+00DD         | LATIN CAPITAL LETTER Y WITH ACUTE      |
| 11/00   B0   | 10/14                   | ΑE  | U+00AE     | REGISTERED SIGN                           |     | 13/14                   | DE           | U+00DE         | LATIN CAPITAL LETTER THORN             |
| 11/01   B1   | 10/15                   | AF  | U+00AF     | MACRON                                    |     | 13/15                   | DF           | U+00DF         | LATIN SMALL LETTER SHARP S             |
| 11/02   B2   | 11/00                   | В0  | U+00B0     | DEGREE SIGN                               |     | 14/00                   | E0           | U+00E0         | LATIN SMALL LETTER A WITH GRAVE        |
| 11/03   83   | 11/01                   | B1  | U+00B1     | PLUS-MINUS SIGN                           |     | 14/01                   | E1           | U+00E1         | LATIN SMALL LETTER A WITH ACUTE        |
| 11/05   B5   | 11/02                   | B2  | U+00B2     |   |     | 14/02                   | E2           | U+00E2         | LATIN SMALL LETTER A WITH CIRCUMFLEX   |
| 11/05   B5   | l                       |     |            | SUPERSCRIPT THREE                         | D   | 14/03                   |              | <b>1 1 1 1</b> |  |
| 11/106   B6  | l                       |     |            |   |     |                         |              |                | LATIN SMALL LETTER A WITH DIAERESIS    |
| 11/10   B7   | l                       |     |            | MICRO SIGN                                |     | 14/05                   |              |                |  |
| 11/10   B7   |                         |     |            | PILCROW SIGN (Standard                    | IS  | 14/06                   |              | ~              |  |
| 11/10   B9   |                         |     |            | MIDDLE DOT                                |     | 14/07                   |              |                |  |
| 11/10  |                         |     |            |   | ma  |                         |              |                |  |
| 11/11   BB   |                         |     |            |   | 15  |                         |              |                |  |
| 11/12   BC   | l                       |     |            |   | rds | Sist acc                | $\omega$ ou. | /              | T023-0030-                             |
| 11/13   BD   |                         |     |            | D / 3UUCD / C 3 / 1 / SISI = II           | s-c | Ph_fc_ I                | 473-         | 713013         |  |
| 11/14   BE   | l                       |     |            |   |     |                         |              |                |  |
| 11/15   BF   |                         |     |            |   |     |                         |              |                |  |
| 12/00   C0   |                         |     |            |   |     | -                       |              |                |  |
| 12/01   C1   |                         |     |            |   |     |                         |              |                |  |
| 12/02   C2   | l                       |     |            |   |     |                         |              |                |  |
| 12/03   C3   |                         | -   |            |   |     |                         |              |                |  |
| 12/04   C4   |                         | -   |            |   |     |                         |              |                |  |
| 12/05   C5   | l                       |     |            |   |     |                         | -            |                |  |
| 12/06   C6   | l                       | -   |            |   |     |                         |              |                |  |
| 12/07   C7   |                         |     |            |   |     |                         |              |                |  |
| 12/08   C8   |                         |     |            |   |     |                         |              |                |  |
| 12/09   C9   U+00C9   LATIN CAPITAL LETTER E WITH ACUTE   15/09   F9   U+00F9   LATIN SMALL LETTER U WITH GRAVE   15/10   FA   U+00FA   LATIN SMALL LETTER U WITH ACUTE   15/11   FB   U+00FB   LATIN SMALL LETTER U WITH ACUTE   15/12   CC   U+00CC   LATIN CAPITAL LETTER I WITH GRAVE   15/12   FC   U+00FC   LATIN SMALL LETTER U WITH DIAERESIS   15/13   FD   U+00FD   LATIN SMALL LETTER U WITH DIAERESIS   15/13   FD   U+00FD   LATIN SMALL LETTER WITH ACUTE   15/14   FE   U+00FE   LATIN SMALL LETTER Y WITH ACUTE   15/14   FE   U+00FE   LATIN SMALL LETTER THORN   |                         | -   |            |   |     |                         |              |                |  |
| 12/10 CA U+00CA LATIN CAPITAL LETTER E WITH CIRCUMFLEX 12/11 CB U+00CB LATIN CAPITAL LETTER E WITH DIAERESIS 12/12 CC U+00CC LATIN CAPITAL LETTER I WITH GRAVE 12/13 CD U+00CD LATIN CAPITAL LETTER I WITH ACUTE 12/14 CE U+00CC LATIN CAPITAL LETTER I WITH ACUTE 12/14 CE U+00CC LATIN CAPITAL LETTER I WITH ACUTE 15/10 FA U+00FA LATIN SMALL LETTER U WITH ACUTE 15/11 FB U+00FB LATIN SMALL LETTER U WITH DIAERESIS 15/12 FC U+00FC LATIN SMALL LETTER U WITH ACUTE 15/14 FE U+00FE LATIN SMALL LETTER THORN  |                         |     |            |   |     |                         |              |                |  |
| 12/11   CB   U+00CB   LATIN CAPITAL LETTER E WITH DIAERESIS   15/11   FB   U+00FB   LATIN SMALL LETTER U WITH CIRCUMFLEX   15/12   FC   U+00FC   LATIN SMALL LETTER U WITH DIAERESIS   15/13   FD   U+00FD   LATIN SMALL LETTER U WITH DIAERESIS   15/13   FD   U+00FD   LATIN SMALL LETTER Y WITH ACUTE   15/14   FE   U+00FE   LATIN SMALL LETTER THORN   15/14   FE   U+00FE   LATIN SMALL LETTER THORN   15/14   FE   U+00FE   LATIN SMALL LETTER THORN  |                         |     |            |   |     |                         |              |                |  |
| 12/12   CC   U+00CC   LATIN CAPITAL LETTER I WITH GRAVE   15/12   FC   U+00FC   LATIN SMALL LETTER U WITH DIAERESIS   15/13   FD   U+00FD   LATIN SMALL LETTER Y WITH ACUTE   15/14   CE   U+00CE   LATIN CAPITAL LETTER I WITH CIRCUMFLEX   15/14   FE   U+00FE   LATIN SMALL LETTER THORN  | l                       | -   |            |   |     |                         |              |                |  |
| 12/13   CD   U+00CD   LATIN CAPITAL LETTER I WITH ACUTE   15/13   FD   U+00FD   LATIN SMALL LETTER Y WITH ACUTE   15/14   FE   U+00FE   LATIN SMALL LETTER THORN   | l                       | -   |            |   |     |                         |              |                |  |
| 12/14 CE U+00CE LATIN CAPITAL LETTER I WITH CIRCUMFLEX 15/14 FE U+00FE LATIN SMALL LETTER THORN  | l                       |     |            |   |     |                         | -            |                |  |
|  |                         | -   |            |   |     |                         |              |                |  |
| 12/13   OF   UTUUGE   LATIN GARTIAL LETTER TWITH DIAERESIS     13/13   FF   UTUUFF   LATIN SINALL LETTER T WITH DIAERESIS  | 12/15                   | CF  | U+00CF     | LATIN CAPITAL LETTER I WITH DIAERESIS     |     | 15/15                   | FF           | U+00FF         | LATIN SMALL LETTER Y WITH DIAERESIS    |

The ISO-IR 100 coded character set is identical to ISO/IEC 10646-1:2000 "Table 3 – Row 00: Latin-1 supplement". The ISO-IR 204 coded character set is identical to ISO-IR 100 except for position 10/04 (see above).

Table A.3 - Character set ISO-IR 101 (Latin-2 supplement), coded representation

| Bit<br>combi-<br>nation | Hex | Identifier | Name   |            | Bit<br>combi-<br>nation | Hex               | Identifier     | Name                                     |
|-------------------------|-----|------------|--|------------|-------------------------|-------------------|----------------|--|
| 10/00                   | A0  | U+00A0     | NO-BREAK SPACE                                 |            | 13/00                   | D0                | U+0110         | LATIN CAPITAL LETTER D WITH STROKE       |
| 10/01                   | A1  | U+0104     | LATIN CAPITAL LETTER A WITH OGONEK             |            | 13/01                   | D1                | U+0143         | LATIN CAPITAL LETTER N WITH ACUTE        |
| 10/02                   | A2  | U+02D8     | BREVE  |            | 13/02                   | D2                | U+0147         | LATIN CAPITAL LETTER N WITH CARON        |
| 10/03                   | А3  | U+0141     | LATIN CAPITAL LETTER L WITH STROKE             |            | 13/03                   | D3                | U+00D3         | LATIN CAPITAL LETTER O WITH ACUTE        |
| 10/04                   | A4  | U+00A4     | CURRENCY SIGN                                  |            | 13/04                   | D4                | U+00D4         | LATIN CAPITAL LETTER O WITH CIRCUMFLEX   |
| 10/05                   | A5  | U+013D     | LATIN CAPITAL LETTER L WITH CARON              |            | 13/05                   | D5                | U+0150         | LATIN CAPITAL LETTER O WITH DOUBLE ACUTE |
| 10/06                   | A6  | U+015A     | LATIN CAPITAL LETTER S WITH ACUTE              |            | 13/06                   | D6                | U+00D6         | LATIN CAPITAL LETTER O WITH DIAERESIS    |
| 10/07                   | Α7  | U+00A7     | SECTION SIGN                                   |            | 13/07                   | D7                | U+00D7         | MULTIPLICATION SIGN                      |
| 10/08                   | A8  | U+00A8     | DIAERESIS                                      |            | 13/08                   | D8                | U+0158         | LATIN CAPITAL LETTER R WITH CARON        |
| 10/09                   | A9  | U+0160     | LATIN CAPITAL LETTER S WITH CARON              |            | 13/09                   | D9                | U+016E         | LATIN CAPITAL LETTER U WITH RING ABOVE   |
| 10/10                   | AA  | U+015E     | LATIN CAPITAL LETTER S WITH CEDILLA            |            | 13/10                   | DA                | U+00DA         | LATIN CAPITAL LETTER U WITH ACUTE        |
| 10/11                   | AB  | U+0164     | LATIN CAPITAL LETTER T WITH CARON              |            | 13/11                   | DB                | U+0170         | LATIN CAPITAL LETTER U WITH DOUBLE ACUTE |
| 10/12                   | AC  | U+0179     | LATIN CAPITAL LETTER Z WITH ACUTE              |            | 13/12                   | DC                | U+00DC         | LATIN CAPITAL LETTER U WITH DIAERESIS    |
| 10/13                   | AD  | U+00AD     | SOFT HYPHEN                                    |            | 13/13                   | DD                | U+00DD         | LATIN CAPITAL LETTER Y WITH ACUTE        |
| 10/14                   | ΑE  | U+017D     | LATIN CAPITAL LETTER Z WITH CARON              |            | 13/14                   | DE                | U+0162         | LATIN CAPITAL LETTER T WITH CEDILLA      |
| 10/15                   | AF  | U+017B     | LATIN CAPITAL LETTER Z WITH DOT ABOVE          |            | 13/15                   | DF                | U+00DF         | LATIN SMALL LETTER SHARP S               |
| 11/00                   | B0  | U+00B0     | DEGREE SIGN                                    |            | 14/00                   | E0                | U+0155         | LATIN SMALL LETTER R WITH ACUTE          |
| 11/01                   | B1  | U+0105     | LATIN SMALL LETTER A WITH OGONEK               |            | 14/01                   | E1                | U+00E1         | LATIN SMALL LETTER A WITH ACUTE          |
| 11/02                   | B2  | U+02DB     | OGONEK   |            | 14/02                   | E2                | U+00E2         | LATIN SMALL LETTER A WITH CIRCUMFLEX     |
| 11/03                   | В3  | U+0142     | LATIN SMALL LETTER L WITH STROKE               | <b>A</b> 7 | 14/03                   | <b>E</b> 3        | U+0103         | LATIN SMALL LETTER A WITH BREVE          |
| 11/04                   | B4  | U+00B4     | ACUTE ACCENT 11 EN STANDA                      |            | 14/04                   | E4                | U+00E4         | LATIN SMALL LETTER A WITH DIAERESIS      |
| 11/05                   | B5  | U+013E     | LATIN SMALL LETTER L WITH CARON                |            | 14/05                   | E5                | U+013A         | LATIN SMALL LETTER L WITH ACUTE          |
| 11/06                   | В6  | U+015B     | LATIN SMALL LETTER'S WITH ACUTET and a         | rc         | 14/06                   | <b>E6</b> 7       | U+0107         | LATIN SMALL LETTER C WITH ACUTE          |
| 11/07                   | В7  | U+02C7     | CARON  |            | 14/07                   | E7                | U+00E7         | LATIN SMALL LETTER C WITH CEDILLA        |
| 11/08                   | B8  | U+00B8     | CEDILLA  |            | 14/08                   | E8                | U+010D         | LATIN SMALL LETTER C WITH CARON          |
| 11/09                   | В9  | U+0161     | LATIN SMALL LETTER S WITH CARON SIST-TS C      | EN/        | T14/092                 | 3 <b>E9</b> 0     | <u>₩</u> +00E9 | LATIN SMALL LETTER E WITH ACUTE          |
| 11/10                   | BA  | U+015F     | LATIN SMALLILETTER S.WITH CERILLA/catalog/star | nda        | rd14/319t/              | a <del>E8</del> 2 | 844001.198     | DLATIN SMALLS LETTER E WITH OGONEK       |
| 11/11                   | BB  | U+0165     | LATIN SMALL LETTER TWITH CARON 0.62c321/si     |            | 14/11                   | -FB2              | U+00EB         | LATIN SMALL LETTER E WITH DIAERESIS      |
| 11/12                   | BC  | U+017A     | LATIN SMALL LETTER Z WITH ACUTE                | 50 0       | 14/12                   | EC_               | U+011B         | LATIN SMALL LETTER E WITH CARON          |
| 11/13                   | BD  | U+02DD     | DOUBLE ACUTE ACCENT                            |            | 14/13                   | ED                | U+00ED         | LATIN SMALL LETTER I WITH ACUTE          |
| 11/14                   | BE  | U+017E     | LATIN SMALL LETTER Z WITH CARON                |            | 14/14                   | EE                | U+00EE         | LATIN SMALL LETTER I WITH CIRCUMFLEX     |
| 11/15                   | BF  | U+017C     | LATIN SMALL LETTER Z WITH DOT ABOVE            |            | 14/15                   | EF                | U+010F         | LATIN SMALL LETTER D WITH CARON          |
| 12/00                   | C0  | U+0154     | LATIN CAPITAL LETTER R WITH ACUTE              |            | 15/00                   | F0                | U+0111         | LATIN SMALL LETTER D WITH STROKE         |
| 12/01                   | C1  | U+00C1     | LATIN CAPITAL LETTER A WITH ACUTE              |            | 15/01                   | F1                | U+0144         | LATIN SMALL LETTER N WITH ACUTE          |
| 12/02                   | C2  | U+00C2     | LATIN CAPITAL LETTER A WITH CIRCUMFLEX         |            | 15/02                   | F2                | U+0148         | LATIN SMALL LETTER N WITH CARON          |
| 12/03                   | C3  | U+0102     | LATIN CAPITAL LETTER A WITH BREVE              |            | 15/03                   | F3                | U+00F3         | LATIN SMALL LETTER O WITH ACUTE          |
| 12/04                   | C4  | U+00C4     | LATIN CAPITAL LETTER A WITH DIAERESIS          |            | 15/04                   | F4                | U+00F4         | LATIN SMALL LETTER O WITH CIRCUMFLEX     |
| 12/05                   | C5  | U+0139     | LATIN CAPITAL LETTER L WITH ACUTE              |            | 15/05                   | F5                | U+0151         | LATIN SMALL LETTER O WITH DOUBLE ACUTE   |
| 12/06                   | C6  | U+0106     | LATIN CAPITAL LETTER C WITH ACUTE              |            | 15/06                   | F6                | U+00F6         | LATIN SMALL LETTER O WITH DIAERESIS      |
| 12/07                   | C7  | U+00C7     | LATIN CAPITAL LETTER C WITH CEDILLA            |            | 15/07                   | F7                | U+00F7         | DIVISION SIGN                            |
| 12/08                   | C8  | U+010C     | LATIN CAPITAL LETTER C WITH CARON              |            | 15/08                   | F8                | U+0159         | LATIN SMALL LETTER R WITH CARON          |
| 12/09                   | C9  | U+00C9     | LATIN CAPITAL LETTER E WITH ACUTE              |            | 15/09                   | F9                | U+016F         | LATIN SMALL LETTER U WITH RING ABOVE     |
| 12/10                   | CA  | U+0118     | LATIN CAPITAL LETTER E WITH OGONEK             |            | 15/10                   | FA                | U+00FA         | LATIN SMALL LETTER U WITH ACUTE          |
| 12/11                   | CB  | U+00CB     | LATIN CAPITAL LETTER E WITH DIAERESIS          |            | 15/11                   | FB                | U+0171         | LATIN SMALL LETTER U WITH DOUBLE ACUTE   |
| 12/12                   | CC  | U+011A     | LATIN CAPITAL LETTER E WITH CARON              |            | 15/12                   | FC                | U+00FC         | LATIN SMALL LETTER U WITH DIAERESIS      |
| 12/13                   | CD  | U+00CD     | LATIN CAPITAL LETTER I WITH ACUTE              |            | 15/13                   | FD                | U+00FD         | LATIN SMALL LETTER Y WITH ACUTE          |
| 12/14                   | CE  | U+00CE     | LATIN CAPITAL LETTER I WITH CIRCUMFLEX         |            | 15/14                   | FE                | U+0163         | LATIN SMALL LETTER T WITH CEDILLA        |
| 12/15                   | CF  | U+010E     | LATIN CAPITAL LETTER D WITH CARON              |            | 15/15                   | FF                | U+02D9         | DOT ABOVE                                |

Table A.4 - Character set ISO-IR 126 (Greek), coded representation

|                         |          |            |  | F   |                         |            |            |  |
|-------------------------|----------|------------|--|-----|-------------------------|------------|------------|--|
| Bit<br>combi-<br>nation | Hex      | Identifier | Name   |     | Bit<br>combi-<br>nation | Hex        | Identifier | Name   |
| 10/00                   | A0       | U+00A0     | NO-BREAK SPACE                               |     | 13/00                   | D0         | U+03A0     | GREEK CAPITAL LETTER PI                      |
| 10/01                   | A1       | U+2018     | LEFT SINGLE QUOTATION MARK                   |     | 13/01                   | D1         | U+03A1     | GREEK CAPITAL LETTER RHO                     |
| 10/02                   | A2       | U+2019     | RIGHT SINGLE QUOTATION MARK                  |     | 13/02                   | D2         | 0.00/11    | (This position not used)                     |
| 10/02                   | A3       | U+00A3     | POUND SIGN                                   |     | 13/03                   | D3         | U+03A3     | GREEK CAPITAL LETTER SIGMA                   |
| 10/03                   | A4       | 0.0073     | (This position not used)                     |     | 13/04                   | D3         | U+03A4     | GREEK CAPITAL LETTER TAU                     |
| 10/04                   | A5       |            | (This position not used)                     |     | 13/05                   | D5         | U+03A5     | GREEK CAPITAL LETTER UPSILON                 |
| 10/03                   | A6       | U+00A6     | BROKEN BAR                                   |     | 13/06                   | D6         | U+03A6     | GREEK CAPITAL LETTER PHI                     |
| 10/00                   | A7       | U+00A0     | SECTION SIGN                                 |     | 13/07                   | D7         | U+03A0     | GREEK CAPITAL LETTER CHI                     |
| 10/07                   | A8       | U+00A7     |  |     | 13/07                   | D8         | U+03A7     | GREEK CAPITAL LETTER ON                      |
| 10/08                   | A0<br>A9 | U+00A6     | DIAERESIS (Greek dialytika) COPYRIGHT SIGN   |     | 13/09                   | D8         | U+03A6     |  |
|                         |          | U+00A9     |  |     |                         | -          |            | GREEK CAPITAL LETTER OMEGA                   |
| 10/10                   | AA       | 11.00AD    | (This position not used)                     |     | 13/10                   | DA         | U+03AA     | GREEK CAPITAL LETTER LIDGE ON WITH DIALYTIKA |
| 10/11                   | AB       | U+00AB     | LEFT-POINTING DOUBLE ANGLE QUOTATION MARK    |     | 13/11                   | DB         | U+03AB     | GREEK CAPITAL LETTER UPSILON WITH DIALYTIKA  |
| 10/12                   | AC       | U+00AC     | NOT SIGN                                     |     | 13/12                   | DC         | U+03AC     | GREEK SMALL LETTER ALPHA WITH TONOS          |
| 10/13                   | AD       | U+00AD     | SOFT HYPHEN                                  |     | 13/13                   | DD         | U+03AD     | GREEK SMALL LETTER EPSILON WITH TONOS        |
| 10/14                   | ΑE       |            | (This position not used                      |     | 13/14                   | DE         | U+03AE     | GREEK SMALL LETTER ETA WITH TONOS            |
| 10/15                   | AF       | U+2015     | HORIZONTAL BAR (Greek parenthiki pavla)      |     | 13/15                   | DF         | U+03AF     | GREEK SMALL LETTER IOTA WITH TONOS           |
| 11/00                   | B0       | U+00B0     | DEGREE SIGN                                  |     | 14/00                   | E0         | U+03B0     | GREEK SMALL LETTER UPSILON WITH DIALYTIKA    |
| 11/01                   | B1       | U+00B1     | PLUS-MINUS SIGN                              |     |                         |            |            | AND TONOS                                    |
| 11/02                   | B2       | U+00B2     | SUPERSCRIPT TWO                              |     | 14/01                   | E1         | U+03B1     | GREEK SMALL LETTER ALPHA                     |
| 11/03                   | B3       | U+00B3     | SUPERSCRIPT THREE STANDA                     | D   | 14/02                   | <b>E</b> 2 | U+03B2     | GREEK SMALL LETTER BETA                      |
| 11/04                   | B4       | U+0384     | GREEK TONOS I CII S I ANDA                   |     | 14/03                   | <b>E</b> 3 | U+03B3     | GREEK SMALL LETTER GAMMA                     |
| 11/05                   | B5       | U+0385     | GREEK DIALYTIKA TONOS                        |     | 14/04                   | E4         | U+03B4     | GREEK SMALL LETTER DELTA                     |
| 11/06                   | B6       | U+0386     | GREEK CAPITAL LETTER ALPHA WITH TONOS        | S   | 14/05                   | <b>E</b> 5 | U+03B5     | GREEK SMALL LETTER EPSILON                   |
| 11/07                   | B7       | U+0387     | GREEK ANO TELEIA                             |     | 14/06                   | E6         | U+03B6     | GREEK SMALL LETTER ZETA                      |
| 11/08                   | B8       | U+0388     | GREEK CAPITAL LETTER EPSILON WITH TONOS      |     | 14/07                   | E7         | U+03B7     | GREEK SMALL LETTER ETA                       |
| 11/09                   | В9       | U+0389     | GREEK CAPITAL LETTER ETA WITH TONOSS CEN     | TS  | 114/08:2                | 0E8        | U+03B8     | GREEK SMALL LETTER THETA                     |
| 11/10                   | BA       | U+038A     | GREEK CAPITAL/LETTER IOTA WITH JONOS/standar | ds  | 14/09                   | 2E910      | U+03B9_    | GREEK SMALL LETTER IOTA                      |
| 11/11                   | BB       | U+00BB     | RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK   | 1 0 | 14/10                   | FA.        | U+03BA     | GREEK SMALL LETTER KAPPA                     |
| 11/12                   | BC       | U+038C     | GREEK CAPITAL LETTER OMICRON WITH TONOS      | 5-U | 14/11                   | EB         | U+03BB     | GREEK SMALL LETTER LAMDA                     |
| 11/13                   | BD       | U+00BD     | VULGAR FRACTION ONE HALF                     |     | 14/12                   | EC         | U+03BC     | GREEK SMALL LETTER MU                        |
| 11/14                   | BE       | U+038E     | GREEK CAPITAL LETTER UPSILON WITH TONOS      |     | 14/13                   | ED         | U+03BD     | GREEK SMALL LETTER NU                        |
| 11/15                   | BF       | U+038F     | GREEK CAPITAL LETTER OMEGA WITH TONOS        |     | 14/14                   | EE         | U+03BE     | GREEK SMALL LETTER XI                        |
| 12/00                   | C0       | U+0390     | GREEK SMALL LETTER IOTA WITH DIALYTIKA       |     | 14/15                   | EF         | U+03BF     | GREEK SMALL LETTER OMICRON                   |
|                         |          |            | AND TONOS                                    |     | 15/00                   | F0         | U+03C0     | GREEK SMALL LETTER PI                        |
| 12/01                   | C1       | U+0391     | GREEK CAPITAL LETTER ALPHA                   |     | 15/01                   | F1         | U+03C1     | GREEK SMALL LETTER RHO                       |
| 12/02                   | C2       | U+0392     | GREEK CAPITAL LETTER BETA                    |     | 15/02                   | F2         | U+03C2     | GREEK SMALL LETTER FINAL SIGMA               |
| 12/03                   | C3       | U+0393     | GREEK CAPITAL LETTER GAMMA                   |     | 15/03                   | F3         | U+03C3     | GREEK SMALL LETTER SIGMA                     |
| 12/04                   | C4       | U+0394     | GREEK CAPITAL LETTER DELTA                   |     | 15/04                   | F4         | U+03C4     | GREEK SMALL LETTER TAU                       |
| 12/05                   | C5       | U+0395     | GREEK CAPITAL LETTER EPSILON                 |     | 15/05                   | F5         | U+03C5     | GREEK SMALL LETTER UPSILON                   |
| 12/06                   | C6       | U+0396     | GREEK CAPITAL LETTER ZETA                    |     | 15/06                   | F6         | U+03C6     | GREEK SMALL LETTER PHI                       |
| 12/07                   | C7       | U+0397     | GREEK CAPITAL LETTER ETA                     |     | 15/07                   | F7         | U+03C7     | GREEK SMALL LETTER CHI                       |
| 12/08                   | C8       | U+0398     | GREEK CAPITAL LETTER THETA                   |     | 15/08                   | F8         | U+03C8     | GREEK SMALL LETTER PSI                       |
| 12/09                   | C9       | U+0399     | GREEK CAPITAL LETTER IOTA                    |     | 15/09                   | F9         | U+03C9     | GREEK SMALL LETTER OMEGA                     |
| 12/10                   | CA       | U+039A     | GREEK CAPITAL LETTER KAPPA                   |     | 15/10                   | FA         | U+03CA     | GREEK SMALL LETTER IOTA WITH DIALYTIKA       |
| 12/11                   | CB       | U+039B     | GREEK CAPITAL LETTER LAMDA                   |     | 15/11                   | FB         | U+03CB     | GREEK SMALL LETTER UPSILON WITH DIALYTIKA    |
| 12/12                   | CC       | U+039C     | GREEK CAPITAL LETTER MU                      |     | 15/12                   | FC         | U+03CC     | GREEK SMALL LETTER OMICRON WITH TONOS        |
| 12/13                   | CD       | U+039D     | GREEK CAPITAL LETTER NU                      |     | 15/13                   | FD         | U+03CD     | GREEK SMALL LETTER UPSILON WITH TONOS        |
| 12/14                   | CE       | U+039E     | GREEK CAPITAL LETTER XI                      |     | 15/14                   | FE         | U+03CE     | GREEK SMALL LETTER OMEGA WITH TONOS          |
| 12/15                   | CF       | U+039F     | GREEK CAPITAL LETTER OMICRON                 |     | 15/15                   | FF         | - 0002     | (This position not used)                     |
| .2, .5                  | Ų.       | J - 0001   | S. L.L. C TITLE ELTTER OMIOTOR               | L   | . 0, 10                 |            |            | ( p = = = = = = = = = = = = = = = =          |

This coded character set is identical to the first part of ISO/IEC 10646-1:2000 "Table 10 – Row 03: Greek and Coptic" with exception of positions 10/00-11/03, 11/11 and 11/13.

**NOTE** – A new Greek registration, tentatively designated ISO-IR 227, has been proposed and is under processing. It differs from ISO-IR 126 by the introduction of new characters in four unused positions, namely 10/04 U+20AC EURO SIGN, 10/05 U+20AF DRACHMA SIGN, 10/10 U+037A GREEK YPOGEGRAMMENI and 10/14 U+00AE GREEK QUESTION MARK (Erotimatiko).