
International Standard



5428

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Greek alphabet coded character set for bibliographic information interchange

Jeu de caractères grecs codés employé pour l'échange d'information bibliographique

Second edition — 1984-11-01

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Descriptors : documentation, data processing, information interchange, bibliographic records, character sets, Greek characters.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 5428 was prepared by Technical Committee ISO/TC 46
Documentation.

ISO 5428 was first published in 1980. This second edition cancels and replaces the first edition, of which it constitutes a technical revision.

Greek alphabet coded character set for bibliographic information interchange

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1 Scope and field of application

1.1 This International Standard contains a set of 73 graphic characters with their coded representations. It consists of a code table and a legend showing each graphic, its use, and its name. Explanatory notes are also included.

1.2 These characters, together with characters in the international reference version of ISO 646 (ISO escape sequence ESC 2/8 4/0), constitute a character set for the international interchange of bibliographic citations, including their annotations, in the Greek alphabet.

2 References

ISO 646, *Information processing — ISO 7-bit coded character set for information interchange.*

ISO 2022, *Information processing — ISO 7-bit and 8-bit coded character sets — Code extension techniques.*¹⁾

ISO 2375, *Data processing — Procedure for registration of escape sequences.*

*International register of character sets to be identified by means of escape sequences.*²⁾

3 Implementation

3.1 The implementation of this coded character set in physical media and for transmission, taking into account the need for error checking, is the subject of other ISO publications. (See clause 7.)

3.2 The implementation of this International Standard is in accordance with the provisions of ISO 2022 and is identified by the escape sequences given below which have been assigned and registered as number 55 in the ISO International Register in accordance with the provisions of ISO 2375.

G0 : ESC 2/8 5/3
G1 : ESC 2/9 5/3
G2 : ESC 2/10 5/3
G3 : ESC 2/11 5/3

3.3 The unassigned positions in the code table are not to be utilized in the international exchange of bibliographic information.

1) At present at the stage of draft. (Revision of ISO 2022-1982.)

2) Available, on application, from the secretariat of the registration authority. ECMA, 114 Rue du Rhône, CH-1204 Genève, Switzerland.

4 Code table

| | | | | | b ₇ | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
|----------------|----------------|----------------|----------------|----|----------------|---|---|---|---|---|---|---|---|
| | | | | | b ₆ | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| | | | | | b ₅ | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| | | | | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| b ₄ | b ₃ | b ₂ | b ₁ | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | | | | ⋞ | | N | | ν | |
| 0 | 0 | 0 | 1 | 1 | | | ˘ | ⋟ | Α | Ξ | α | ξ | |
| 0 | 0 | 1 | 0 | 2 | | | ˙ | ˚ | Β | Ο | β | ο | |
| 0 | 0 | 1 | 1 | 3 | | | ˚ | ˚ | | Π | β | π | |
| 0 | 1 | 0 | 0 | 4 | | | ˜ | ˘ | Γ | Ρ | γ | ρ | |
| 0 | 1 | 0 | 1 | 5 | | | ˙ | ˘ | Δ | Ρ | δ | ρ | |
| 0 | 1 | 1 | 0 | 6 | | | ˙ | ˙ | Ε | Σ | ε | σ | |
| 0 | 1 | 1 | 1 | 7 | | | ι | | ς | | ς | ς | |
| 1 | 0 | 0 | 0 | 8 | | | | | Φ | Τ | φ | τ | |
| 1 | 0 | 0 | 1 | 9 | | | | | Ζ | Υ | ζ | υ | |
| 1 | 0 | 1 | 0 | 10 | | | | | Η | Φ | η | φ | |
| 1 | 0 | 1 | 1 | 11 | | | | . | Θ | Χ | θ | χ | |
| 1 | 1 | 0 | 0 | 12 | | | | | Ι | Ψ | ι | ψ | |
| 1 | 1 | 0 | 1 | 13 | | | | | Κ | Ω | κ | ω | |
| 1 | 1 | 1 | 0 | 14 | | | | | Λ | ϛ | λ | ϛ | |
| 1 | 1 | 1 | 1 | 15 | | | | ; | Μ | | μ | | |

5 Legend

| Table position | Graphic | Name | Comments |
|----------------|---------|-----------------------------|--|
| 2/1 | ` | Grave | Prints over letter |
| 2/2 | ´ | Acute | Prints over letter |
| 2/3 | ¨ | Diaeresis | Prints over letter |
| 2/4 | ˘ | Circumflex ¹⁾ | Prints over letter |
| 2/5 | ˊ | Smooth breathing | Prints over a small letter, before a capital letter |
| 2/6 | ˋ | Rough breathing | Prints over a small letter, before a capital letter |
| 2/7 | ˚ | Iota subscript | Prints under a small letter and after a capital letter |
| 3/0 | « | Angle open quote | |
| 3/1 | » | Angle close quote | |
| 3/2 | €€ | Double open quote | |
| 3/3 | »» | Double close quote | |
| 3/4 | ʹ | Upper prime | Follows letters used as numbers under 1 000 |
| 3/5 | ʼ | Lower prime | Precedes letters used as numbers from 1 000 |
| 3/11 | · | Raised dot, Greek semicolon | A raised period |
| 3/15 | ; | Greek question mark | |
| 4/1 | Α | Alpha | Capital letter |
| 4/2 | Β | Beta | Capital letter |
| 4/4 | Γ | Gamma | Capital letter |
| 4/5 | Δ | Delta | Capital letter |
| 4/6 | Ε | Epsilon | Capital letter |
| 4/7 | Ϛ | Stigma | Obsolete letter used as 6 (capital letter) |
| 4/8 | Ϝ | Digamma | Obsolete letter used as 6 (capital letter) |
| 4/9 | Ζ | Zeta | Capital letter |
| 4/10 | Η | Eta | Capital letter |
| 4/11 | Θ | Theta | Capital letter |
| 4/12 | Ι | Iota | Capital letter |
| 4/13 | Κ | Kappa | Capital letter |
| 4/14 | Λ | Lambda | Capital letter |
| 4/15 | Μ | Mu | Capital letter |
| 5/0 | Ν | Nu | Capital letter |
| 5/1 | Ξ | Xi | Capital letter |
| 5/2 | Ο | Omicron | Capital letter |
| 5/3 | Π | Pi | Capital letter |
| 5/4 | Ϟ | Koppa | Obsolete letter used as 90 (capital letter) |
| 5/5 | Ρ | Rho | Capital letter |
| 5/6 | Σ | Sigma | Capital letter |
| 5/8 | Τ | Tau | Capital letter |
| 5/9 | Υ | Upsilon | Capital letter |

1) Graphic variant

| Table position | Graphic | Name | Comments |
|----------------|---------|---------|---|
| 5/10 | Φ | Phi | Capital letter |
| 5/11 | Χ | Chi | Capital letter |
| 5/12 | Ψ | Psi | Capital letter |
| 5/13 | Ω | Omega | Capital letter |
| 5/14 | Ϟ | Sampi | Obsolete letter used as 900 (capital letter) |
| 6/1 | α | Alpha | Small letter |
| 6/2 | β | Beta | Small letter beginning the word |
| 6/3 | β | Beta | Small letter middle of the word |
| 6/4 | γ | Gamma | Small letter |
| 6/5 | δ | Delta | Small letter |
| 6/6 | ε | Epsilon | Small letter |
| 6/7 | ς | Stigma | Obsolete letter used as 6 (small letter) |
| 6/8 | Ϝ | Digamma | Obsolete letter used as 6 (small letter) |
| 6/9 | ζ | Zeta | Small letter |
| 6/10 | η | Eta | Small letter |
| 6/11 | θ | Theta | Small letter |
| 6/12 | ι | Iota | Small letter |
| 6/13 | κ | Kappa | Small letter |
| 6/14 | λ | Lambda | Small letter |
| 6/15 | μ | Mu | Small letter |
| 7/0 | ν | Nu | Small letter |
| 7/1 | ξ | Xi | Small letter |
| 7/2 | ο | Omicron | Small letter |
| 7/3 | π | Pi | Small letter |
| 7/4 | ϙ | Koppa | Obsolete letter used as 90 (small letter) |
| 7/5 | ρ | Rho | Small letter |
| 7/6 | σ | Sigma | Small letter form found at beginning or middle of words |
| 7/7 | ς | Sigma | Small letter form found at end of words |
| 7/8 | τ | Tau | Small letter |
| 7/9 | υ | Upsilon | Small letter |
| 7/10 | φ | Phi | Small letter |
| 7/11 | χ | Chi | Small letter |
| 7/12 | ψ | Psi | Small letter |
| 7/13 | ω | Omega | Small letter |
| 7/14 | Ϟ | Sampi | Obsolete letter used as 900 (small letter) |

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6 Explanatory notes

6.1 Types of characters

- a) Diacritics (for example grave accent, acute accent, diaeresis, etc.). These characters are always used in conjunction with other characters and appear in column 2.
- b) Alphabetic characters (for example alpha, beta, etc.). These characters appear in columns 4 to 7.
- c) Symbols (for example angle open quote, etc.). These characters appear in column 3.

6.2 Diacritics and breathings

Greek diacritics and breathings print before or over a character depending on whether the character is a capital letter or a small letter. Diacritics always precede the character which they modify. The iota subscript, however, prints under a small letter and after a capital letter. Multiple diacritics are to be entered in the order in which they appear reading left to right or top to bottom.

7 Bibliography

- [1] ISO 962, *Information processing — Implementation of the 7-bit coded character set and its 7-bit and 8-bit extensions on 9-track 12,7 mm (0.5 in) magnetic tape*.
- [2] ISO 1113, *Information processing — Representation of the 7-bit coded character set on punched tape*.
- [3] ISO 1155, *Information processing — Use of longitudinal parity to detect errors in information messages*.
- [4] ISO 1177, *Information processing — Character structure for start/stop and synchronous transmission*.
- [5] ISO 1745, *Information processing — Basic mode control procedures for data communication systems*.
- [6] ISO 6586, *Data processing — Implementation of the ISO 7-bit and 8-bit coded character sets on punched cards*.

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