

Universal Multiple-Octet Coded Character Set
International Organization for Standardization
Organisation Internationale de Normalisation
Международная организация по стандартизации

Doc Type: Working Group Document

Title: Consolidated code chart including proposed phonetic and medieval characters

Source: Michael Everson and Kirk Miller

Status: Individual Contribution

Action: For consideration by JTC1/SC2/WG2 and UTC

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The charts attached present the recommended code positions for a number of documents related to the addition of IPA, phonetic, and medievalist characters to the repertoire. Cells marked in yellow indicate characters which the script ad-hoc has not formally approved as of this date.

| | 1AB | 1AC | 1AD | 1AE | 1AF |
|---|-----|------------------|-----|-----|-----|
| 0 | | | | | |
| 1 | | (○ 1AC1 | | | |
| 2 | |) ○ 1AC2 | | | |
| 3 | | (○ 1AC3 | | | |
| 4 | |) ○ 1AC4 | | | |
| 5 | | [] ○ 1AC5 | | | |
| 6 | | # ○ 1AC6 | | | |
| 7 | | ~ ○ 1AC7 | | | |
| 8 | | + ○ 1AC8 | | | |
| 9 | | /// ○ 1AC9 | | | |
| A | | ς ○ 1ACA | | | |
| B | | ρ ○ 1ACB | | | |
| C | | τ ○ 1ACC | | | |
| D | | ○ 1ACD | | | |
| E | | | | | |
| F | | | | | |

IPA characters for disordered speech

- 1AC1 ◌̂ COMBINING LEFT PARENTHESIS ABOVE LEFT
→ 1ABB ◌̂ combining parentheses above
- 1AC2 ◌̃ COMBINING LEFT PARENTHESIS ABOVE RIGHT
- 1AC3 ◌̄ COMBINING LEFT PARENTHESIS BELOW LEFT
→ 1ABD ◌̄ combining parentheses below
- 1AC4 ◌̅ COMBINING LEFT PARENTHESIS BELOW RIGHT

Additional diacritics

- 1AC5 ◌̆ COMBINING SQUARE BRACKETS ABOVE
- 1AC6 ◌̇ COMBINING NUMBER SIGN
- 1AC7 ◌̈ COMBINING INVERTED DOUBLE ARCH ABOVE
• used over letters with a descender
→ 032B̈ combining inverted double arch below
- 1AC8 ◌̉ COMBINING PLUS SIGN ABOVE
→ 031F̉ combining plus sign below

Diacritics for the Middle English**Ormulum**

- 1AC9 ◌̊ COMBINING TRIPLE ACUTE ACCENT
→ 0308̊ combining double acute accent
- 1ACA ◌̋ COMBINING LATIN SMALL LETTER INSULAR G
→ 1D79̋ latin small letter insular g
- 1ACB ◌̌ COMBINING LATIN SMALL LETTER INSULAR R
→ A783̌ latin small letter insular r
- 1ACC ◌̍ COMBINING LATIN SMALL LETTER INSULAR T
→ A787̍ latin small letter insular t

Medieval abbreviation mark

- 1ACD ◌̎ COMBINING OVERCURL
• used in medieval Cornish, English, and Scots
• used either as an abbreviation or an otiose mark
→ 0305̎ combining overline
→ 031Γ̎ combining inverted breve

| | 2E0 | 2E1 | 2E2 | 2E3 | 2E4 | 2E5 | 2E6 | 2E7 | 2E8 | 2E9 | 2EA | 2EB | 2EC | 2ED | 2EE | 2EF |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | | | | | | ! | | | | | | | | | | |
| 4 | | | | | | ? | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| A | | | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | | |
| D | | | | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | | | |

Medieval punctuation

| | | |
|------|---|-----------------------------|
| 2E53 | ! | PUNCTUS EXCLAMATIVUS MARK |
| 2E54 | ? | PUNCTUS INTERROGATIVUS MARK |

| | A72 | A73 | A74 | A75 | A76 | A77 | A78 | A79 | A7A | A7B | A7C | A7D | A7E | A7F |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----|-----------|
| 0 | | | | | | | | | | | | Œ A7D0 | | |
| 1 | | | | | | | | | | | | Š A7D1 | | |
| 2 | | | | | | | | | | | | Ɔ A7D2 | | Ɔ A7F2 |
| 3 | | | | | | | | | | | | Ɔ A7D3 | | Ɔ A7F3 |
| 4 | | | | | | | | | | | | Ɔ A7D4 | | Ɔ A7F4 |
| 5 | | | | | | | | | | | | Ɔ A7D5 | | |
| 6 | | | | | | | | | | | | Ɔ A7D6 | | |
| 7 | | | | | | | | | | | | Ɔ A7D7 | | |
| 8 | | | | | | | | | | | | Ɔ A7D8 | | |
| 9 | | | | | | | | | | | | Ɔ A7D9 | | |
| A | | | | | | | | | | | | | | |
| B | | | | | | | | | | | | Ɔ A7CB | | |
| C | | | | | | | | | | | | Ɔ A7CC | | |
| D | | | | | | | | | | | | | | |
| E | | | | | | | | | | | | | | |
| F | | | | | | | | | | | | | | |

Additional letters

A7CB Θ LATIN CAPITAL LETTER THETA
 → 0398 Θ greek capital letter theta
 → 03F4 Θ greek capital theta symbol

A7CC θ LATIN SMALL LETTER THETA
 → 03B8 θ greek small letter theta
 → 03D1 ϑ greek theta symbol

Letters for the Middle English**Ormulum**

A7D0 Ꝣ LATIN CAPITAL LETTER CLOSED INSULAR G

A7D1 ꝣ LATIN SMALL LETTER CLOSED INSULAR G
 → 1D79 ḡ latin small letter insular g

A7D2 Ꝣ LATIN CAPITAL LETTER DOUBLE THORN

A7D3 ꝣ LATIN SMALL LETTER DOUBLE THORN
 → 00FE þ latin small letter thorn

A7D4 ꝥ LATIN CAPITAL LETTER DOUBLE WYNN

A7D5 Ꝧ LATIN SMALL LETTER DOUBLE WYNN
 → 01BF p latin small letter wynn

Letters for Middle Scots

A7D6 Ꝩ LATIN CAPITAL LETTER MIDDLE SCOTS S

A7D7 ꝩ LATIN SMALL LETTER MIDDLE SCOTS S
 → 00DF β latin small letter sharp s

Letters for medieval palaeography

A7D8 ꝰ LATIN CAPITAL LETTER SIGMOID S

A7D9 ꝱ LATIN SMALL LETTER SIGMOID S
 → 017F ſ latin small letter long s
 → 03C3 σ greek small letter sigma

Modifier letters

A7F2 ˆ MODIFIER LETTER CAPITAL C
 • used as a tone letter in Chatino

A7F3 ˆ MODIFIER LETTER CAPITAL F
 • used as a tone letter in Chatino

A7F4 ˆ MODIFIER LETTER CAPITAL Q
 • indicates geminate consonants

| | 1078 | 1079 | 107A | 107B |
|---|-------------|-------------|-------------|-------------|
| 0 | AA 10780 | fh 10790 | l 107A0 | v 107B0 |
| 1 | : 10781 | γ 10791 | Ƨ 107A1 | Χ 107B1 |
| 2 | ˙ 10782 | G 10792 | Ø 107A2 | Y 107B2 |
| 3 | æ 10783 | ƒ 10793 | Ɔ 107A3 | Ʒ 107B3 |
| 4 | B 10784 | G 10794 | Ω 107A4 | Ʒ 107B4 |
| 5 | b 10785 | h 10795 | q 107A5 | ⊙ 107B5 |
| 6 | β 10786 | H 10796 | I 107A6 | I 107B6 |
| 7 | dz 10787 | h 10797 | l 107A7 | ll 107B7 |
| 8 | dz 10788 | f 10798 | l 107A8 | ‡ 107B8 |
| 9 | dz 10789 | ls 10799 | r 107A9 | ‡ 107B9 |
| A | dʒ 1078A | lz 1079A | R 107AA | θ 107BA |
| B | d 1078B | ‡ 1079B | ts 107AB | |
| C | d 1078C | Ł 1079C | ts 107AC | |
| D | d 1078D | ‡ 1079D | ts 107AD | |
| E | ə 1078E | h 1079E | tf 107AE | |
| F | ɐ 1078F | h 1079F | t 107AF | |

| | | |
|-------|---|---|
| 107B6 | ‡ | MODIFIER LETTER DENTAL CLICK ≈ <sup> 01C0‡ |
| 107B7 | ‡ | MODIFIER LETTER LATERAL ≈ <sup> 01C1‡ |
| 107B8 | ‡ | MODIFIER LETTER ALVEOLAR CLICK ≈ <sup> 01C2‡ |
| 107B9 | ‡ | MODIFIER LETTER RETROFLEX CLICK WITH RETROFLEX HOOK ≈ <sup> 1DF0A‡ |
| 107BA | ⁰ | MODIFIER LETTER LATIN THETA ≈ <sup> A7CC⁰ → 1DBF⁰ modifier letter small theta |

| | 1DF0 | 1DF1 | 1DF2 | 1DF3 | 1DF4 | 1DF5 | 1DF6 | 1DF7 | 1DF8 | 1DF9 | 1DFA | 1DFB | 1DFC | 1DFD | 1DFE | 1DFF |
|---|-------------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | ſ̅ 1DF00 | ʀ 1DF10 | | | | | | | | | | | | | | |
| 1 | ʁ 1DF01 | ʀ̇ 1DF11 | | | | | | | | | | | | | | |
| 2 | Ɔ 1DF02 | Ɔ̇ 1DF12 | | | | | | | | | | | | | | |
| 3 | ʀ̅ 1DF03 | ʀ̇̅ 1DF13 | | | | | | | | | | | | | | |
| 4 | ʀ̅̇ 1DF04 | ʀ̇̅̇ 1DF14 | | | | | | | | | | | | | | |
| 5 | ʀ̅̇̅ 1DF05 | ʀ̇̅̇̅ 1DF15 | | | | | | | | | | | | | | |
| 6 | ʀ̅̇̅̇ 1DF06 | ʀ̇̅̇̅̇ 1DF16 | | | | | | | | | | | | | | |
| 7 | ʀ̅̇̅̇̅ 1DF07 | ʀ̇̅̇̅̇̅ 1DF17 | | | | | | | | | | | | | | |
| 8 | ʀ̅̇̅̇̅̇ 1DF08 | ʀ̇̅̇̅̇̅̇ 1DF18 | | | | | | | | | | | | | | |
| 9 | ʀ̅̇̅̇̅̇̅ 1DF09 | ʀ̇̅̇̅̇̅̇̅ 1DF19 | | | | | | | | | | | | | | |
| A | ʀ̅̇̅̇̅̇̅̇ 1DF0A | ʀ̇̅̇̅̇̅̇̅̇ 1DF1A | | | | | | | | | | | | | | |
| B | ʀ̅̇̅̇̅̇̅̇̅ 1DF0B | ʀ̇̅̇̅̇̅̇̅̇̅ 1DF1B | | | | | | | | | | | | | | |
| C | ʀ̅̇̅̇̅̇̅̇̅̇ 1DF0C | ʀ̇̅̇̅̇̅̇̅̇̅̇ 1DF1C | | | | | | | | | | | | | | |
| D | ʀ̅̇̅̇̅̇̅̇̅̇̅ 1DF0D | | | | | | | | | | | | | | | |
| E | ʀ̅̇̅̇̅̇̅̇̅̇̅̇ 1DF0E | | | | | | | | | | | | | | | |
| F | ʀ̅̇̅̇̅̇̅̇̅̇̅̇̅ 1DF0F | | | | | | | | | | | | | | | |

