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**Information technology — Universal Multiple-
Octet Coded Character Set (UCS) —**

Part 2:

Secondary Multilingual Plane for scripts and symbols

Supplementary Plane for CJK Unified Ideographs

General Purpose Plane

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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 or technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, 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 Standards ISO/IEC 10646-1 and 10646-2 were prepared by Joint Technical Committee ISO/IEC JTC1, *Information technology*.

ISO/IEC 10646 consists of the following part, under the general title *Information technology - Universal Multiple-Octet Coded Character Set (UCS)*:

- *Part 1: Architecture and Basic Multilingual Plane*
- *Part 2: Secondary Multilingual Plane for scripts and symbols, Supplementary Plane for CJK Unified Ideographs, General Purpose Plane*

Additional parts will specify other planes.

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Information technology — Universal Multiple-Octet Coded Character Set (UCS) —

Contents

Part 2:

Secondary Multilingual Plane for scripts and symbols

Supplementary Plane for CJK Unified Ideographs

General Purpose Plane

1 Scope

ISO/IEC 10646 specifies the Universal Multiple-Octet Coded Character Set (UCS). It is applicable to the representation, transmission, interchange, processing, storage, input and presentation of the written form of the languages of the world as well as additional symbols.

ISO/IEC 10646 Part 1 specifies the overall architecture and the Basic Multilingual Plane (BMP) of the UCS.

This second part:

- specifies the Secondary Multilingual Plane for scripts and symbols (SMP) of the UCS and defines a set of graphic characters used in scripts not covered by the plane specified below (SIP) and the BMP;
- specifies the Supplementary Plane for CJK Unified Ideographs (SIP) of the UCS and defines a set of graphic characters that are used in East Asia. These are defined as Chinese/Japanese/Korean (CJK) unified ideographs (unified East Asian ideographs);
- specifies the General Purpose Plane (GPP) and defines a set of special purpose use characters.
- specifies the names for graphic characters of these planes, and the coded representation using the four-octet (32-bit) canonical form of the UCS.
- Graphic characters that are already encoded in the Part 1 are not repeated in these supplementary planes. In addition, any character is assigned to only one code position within the set of supplementary planes specified in this Part 2.

2 Conformance

The Conformance clauses of Part 1 also apply to this part of ISO/IEC 10646.

3 Normative references

See Part 1.

4 Coding of characters

According to clause 6.2 of Part 1, in the canonical form of the coded character set, each character within the entire coded character set is represented by a sequence of four octets, each represented by two hexadecimal digits.

When referring to characters within planes 01 to 15, an abbreviated form may be used. In this

notation, the leading hexadecimal three digits may be omitted. For example, the five-digit value 11100 corresponds to the canonical form 0001 1100 and the corresponding coded character is part of plane 01. When referring to characters within an identified plane, the leading four digits may also be omitted.

Editor's Note: This new coding format doesn't cover the last plane (16) reachable through UTF-16 as it would require six digits instead of the five-digit notation introduced here. This is considered acceptable, as the plane 16 is a Private Use plane and should not require numeric referencing in this document. The alternative is to create a six-digit coding format instead of five-digit.

5 Definitions

In addition to the definitions specified by Part 1, the following definitions apply:

5.1 Secondary Multilingual Plane for scripts and symbols (SMP)

Plane 01 of Group 00.

5.2 Supplementary Plane for CJK Unified Ideographs (SIP)

Plane 02 of Group 00.

5.3 General Purpose Plane (GPP)

Plane 14 of Group 00.

6 Secondary Multilingual Plane for scripts and symbols

The Plane 01 of Group 00 shall be the Secondary Multilingual Plane for scripts and symbols (SMP). Unlike the Basic Multilingual Plane (BMP), the SMP cannot be used as a two-octet coded character set.

As a special plane is reserved for CJK Unified Ideographs, the SMP shall not be used to encode them. The main purpose of the SMP is to specify a set of coded graphic characters used in all other significant scripts of the world (mostly extinct) which are not already encoded in the BMP.

NOTE - The following decomposition of the SMP has been proposed:

- Alphabetic scripts,
- Hieroglyphic, ideographic and miscellaneous syllabaries
- CJK ideographic derived scripts
- Newly invented scripts
- Symbol sets

7 Supplementary Plane for CJK Unified Ideographs

The Plane 02 of Group 00 shall be the Supplementary Plane for CJK Unified Ideographs (SIP), and unlike the BMP, the SIP cannot be used as a two-octet coded character set.

The SIP is used for CJK unified ideographs (unified East Asian ideographs) that are not encoded in the BMP. The procedure for the unification and arrangement of CJK Ideographs is described in Part 1 Annex T.

8 General Purpose Plane

The Plane 14 of Group 0 shall be the General Purpose Plane (GPP). The GPP is used for special purpose use characters. These characters may not have a visual representation and may not have printable graphic symbols.

NOTE - For example, this plane includes the Tag Characters.

9 Planes content overview


9.1 Secondary Multilingual Plane for scripts and symbols

An overview of the Secondary Multilingual Plane for scripts and symbols is shown in figure 1. Detailed code tables and lists of character names for the planes are shown on the following pages.

Editor's Note: The Deseret repertoire was accepted by resolution WG2 M32.26. The Byzantine Musical Symbols repertoire was accepted by resolution WG2 M33.13. The Etruscan, Gothic and Western Musical Symbols repertoires were accepted by resolution WG2 M34.14.

Row-octet

| | | |
|----|---------------------------|--------|
| 00 | | |
| .. | | |
| 03 | Etruscan | Gothic |
| 04 | Deseret | |
| .. | | |
| D0 | Byzantine Musical Symbols | |
| D1 | Western Musical Symbols | |
| .. | | |
| FF | | |

 = reserved for future standardization

NOTE: Vertical boundaries within rows are indicated in approximate positions only.

Figure 1 – Overview of the Secondary Multilingual Plane for scripts and symbols

TABLE 1 – Row 03: ETRUSCAN

| | 030 | 031 | 032 |
|---|-----|-----|-----|
| 0 | A | Γ | • |
| 1 | Β | M | I |
| 2 | < | Q | V |
| 3 | ▷ | P | X |
| 4 | ƒ | Σ | ↑ |
| 5 | F | T | Ж |
| 6 | I | Y | ⊖ |
| 7 | ⊖ | + | ⊖ |
| 8 | ⊙ | ⊖ | ⊙ |
| 9 | I | Y | ⊙ |
| A | K | 8 | |
| B | L | 9 | |
| C | Ɔ | b | |
| D | N | † | |
| E | ⊖ | ∨ | |
| F | O | | |

G = 00

P = 01

TABLE 1 – Row 03: ETRUSCAN

| hex | Name | hex | Name |
|-----|---|-----|------|
| 00 | ETRUSCAN LETTER A | | |
| 01 | ETRUSCAN LETTER BE | | |
| 02 | ETRUSCAN LETTER KE | | |
| 03 | ETRUSCAN LETTER DE | | |
| 04 | ETRUSCAN LETTER E | | |
| 05 | ETRUSCAN LETTER VE | | |
| 06 | ETRUSCAN LETTER ZE | | |
| 07 | ETRUSCAN LETTER HE | | |
| 08 | ETRUSCAN LETTER THE | | |
| 09 | ETRUSCAN LETTER I | | |
| 0A | ETRUSCAN LETTER KA | | |
| 0B | ETRUSCAN LETTER EL | | |
| 0C | ETRUSCAN LETTER EM | | |
| 0D | ETRUSCAN LETTER EN | | |
| 0E | ETRUSCAN LETTER ESH | | |
| 0F | ETRUSCAN LETTER O (Faliscan) | | |
| 10 | ETRUSCAN LETTER PE | | |
| 11 | ETRUSCAN LETTER SHE | | |
| 12 | ETRUSCAN LETTER KU | | |
| 13 | ETRUSCAN LETTER ER | | |
| 14 | ETRUSCAN LETTER ES | | |
| 15 | ETRUSCAN LETTER TE | | |
| 16 | ETRUSCAN LETTER U | | |
| 17 | ETRUSCAN LETTER EKS (Faliscan) | | |
| 18 | ETRUSCAN LETTER PHE | | |
| 19 | ETRUSCAN LETTER KHE | | |
| 1A | ETRUSCAN LETTER EF | | |
| 1B | ETRUSCAN LETTER ERS (Umbrian) | | |
| 1C | ETRUSCAN LETTER CHE (Umbrian) | | |
| 1D | ETRUSCAN LETTER II (Oscan) | | |
| 1E | ETRUSCAN LETTER UU (Oscan) | | |
| 1F | (This position shall not be used) | | |
| 20 | ETRUSCAN WORD SEPARATOR | | |
| 21 | ETRUSCAN NUMERAL ONE | | |
| 22 | ETRUSCAN NUMERAL FIVE | | |
| 23 | ETRUSCAN NUMERAL TEN | | |
| 24 | ETRUSCAN NUMERAL FIFTY | | |
| 25 | ETRUSCAN NUMERAL ONE HUNDRED | | |
| 26 | ETRUSCAN NUMERAL ALTERNATE ONE HUNDRED | | |
| 27 | ETRUSCAN NUMERAL ONE THOUSAND | | |
| 28 | ETRUSCAN NUMERAL ONE HUNDRED OR ONE THOUSAND | | |
| 29 | ETRUSCAN NUMERAL ONE THOUSAND OR TEN THOUSAND | | |
| 2A | (This position shall not be used) | | |
| 2B | (This position shall not be used) | | |
| 2C | (This position shall not be used) | | |
| 2D | (This position shall not be used) | | |
| 2E | (This position shall not be used) | | |
| 2F | (This position shall not be used) | | |

Group 00

Plane 01

Row 03

TABLE 2 – Row 03: GOTHIC

| | 033 | 034 |
|---|-----|-----|
| 0 | ᚱ | ᚱ |
| 1 | ᚲ | ᚱ |
| 2 | ᚳ | ᚴ |
| 3 | ᚵ | ᚶ |
| 4 | ᚷ | ᚸ |
| 5 | ᚹ | ᚺ |
| 6 | ᚻ | ᚼ |
| 7 | ᚽ | ᚾ |
| 8 | ᚿ | ᚿ |
| 9 | ᛀ | ᛀ |
| A | ᛁ | ᛁ |
| B | ᛂ | ᛂ |
| C | ᛃ | |
| D | ᛄ | |
| E | ᛅ | |
| F | ᛆ | |

G = 00

P = 01

TABLE 2 – Row 03: GOTHIC

| hex | Name | hex | Name |
|-----|-----------------------------------|-----|------|
| 30 | GOTHIC LETTER AHSÁ | | |
| 31 | GOTHIC LETTER BAIRKAN | | |
| 32 | GOTHIC LETTER GIBA | | |
| 33 | GOTHIC LETTER DAGS | | |
| 34 | GOTHIC LETTER AIHVUS | | |
| 35 | GOTHIC LETTER QAIRTHRA | | |
| 36 | GOTHIC LETTER IUJA | | |
| 37 | GOTHIC LETTER HAGL | | |
| 38 | GOTHIC LETTER THIUÞ | | |
| 39 | GOTHIC LETTER EIS | | |
| 3A | GOTHIC LETTER EIS WITH DIAERESIS | | |
| 3B | GOTHIC LETTER KUSMA | | |
| 3C | GOTHIC LETTER LAGUS | | |
| 3D | GOTHIC LETTER MANNA | | |
| 3E | GOTHIC LETTER NAUÞS | | |
| 3F | GOTHIC LETTER JER | | |
| 40 | GOTHIC LETTER URUS | | |
| 41 | GOTHIC LETTER PAIRTHRA | | |
| 42 | GOTHIC LETTER NINETY | | |
| 43 | GOTHIC LETTER RAIDÁ | | |
| 44 | GOTHIC LETTER SAUJL | | |
| 45 | GOTHIC LETTER TEIWS | | |
| 46 | GOTHIC LETTER WINJA | | |
| 47 | GOTHIC LETTER FAIHU | | |
| 48 | GOTHIC LETTER IGGWS | | |
| 49 | GOTHIC LETTER HWAIR | | |
| 4A | GOTHIC LETTER OÞHAL | | |
| 4B | GOTHIC LETTER NINE HUNDRED | | |
| 4C | (This position shall not be used) | | |
| 4D | (This position shall not be used) | | |
| 4E | (This position shall not be used) | | |
| 4F | (This position shall not be used) | | |

Group 00

Plane 01

Row 03

TABLE 3 – Row 04: DESERET

| | 040 | 041 | 042 | 043 | 044 |
|---|-----|-----|-----|-----|-----|
| 0 | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| 1 | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| 2 | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| 3 | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| 4 | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| 5 | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| 6 | ᠎ | ᠎ | | ᠎ | ᠎ |
| 7 | ᠎ | ᠎ | | ᠎ | ᠎ |
| 8 | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| 9 | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| A | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| B | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| C | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| D | ᠎ | ᠎ | ᠎ | ᠎ | ᠎ |
| E | ᠎ | ᠎ | ᠎ | ᠎ | |
| F | ᠎ | ᠎ | ᠎ | ᠎ | |

G = 00

P = 01

TABLE 3 – Row 04: DESERET

| hex | Name | hex | Name |
|-----|-----------------------------------|-----|------|
| 00 | DESERET CAPITAL LETTER LONG I | | |
| 01 | DESERET CAPITAL LETTER LONG E | | |
| 02 | DESERET CAPITAL LETTER LONG A | | |
| 03 | DESERET CAPITAL LETTER LONG AH | | |
| 04 | DESERET CAPITAL LETTER LONG O | | |
| 05 | DESERET CAPITAL LETTER LONG OO | | |
| 06 | DESERET CAPITAL LETTER SHORT I | | |
| 07 | DESERET CAPITAL LETTER SHORT E | | |
| 08 | DESERET CAPITAL LETTER SHORT A | | |
| 09 | DESERET CAPITAL LETTER SHORT AH | | |
| 0A | DESERET CAPITAL LETTER SHORT O | | |
| 0B | DESERET CAPITAL LETTER SHORT OO | | |
| 0C | DESERET CAPITAL LETTER AY | | |
| 0D | DESERET CAPITAL LETTER OW | | |
| 0E | DESERET CAPITAL LETTER WU | | |
| 0F | DESERET CAPITAL LETTER YEE | | |
| 10 | DESERET CAPITAL LETTER H | | |
| 11 | DESERET CAPITAL LETTER PEE | | |
| 12 | DESERET CAPITAL LETTER BEE | | |
| 13 | DESERET CAPITAL LETTER TEE | | |
| 14 | DESERET CAPITAL LETTER DEE | | |
| 15 | DESERET CAPITAL LETTER CHEE | | |
| 16 | DESERET CAPITAL LETTER JEE | | |
| 17 | DESERET CAPITAL LETTER KAY | | |
| 18 | DESERET CAPITAL LETTER GAY | | |
| 19 | DESERET CAPITAL LETTER EF | | |
| 1A | DESERET CAPITAL LETTER VEE | | |
| 1B | DESERET CAPITAL LETTER ETH | | |
| 1C | DESERET CAPITAL LETTER THEE | | |
| 1D | DESERET CAPITAL LETTER ES | | |
| 1E | DESERET CAPITAL LETTER ZEE | | |
| 1F | DESERET CAPITAL LETTER ESH | | |
| 20 | DESERET CAPITAL LETTER ZHEE | | |
| 21 | DESERET CAPITAL LETTER ER | | |
| 22 | DESERET CAPITAL LETTER EL | | |
| 23 | DESERET CAPITAL LETTER EM | | |
| 24 | DESERET CAPITAL LETTER EN | | |
| 25 | DESERET CAPITAL LETTER ENG | | |
| 26 | (This position shall not be used) | | |
| 27 | (This position shall not be used) | | |
| 28 | DESERET SMALL LETTER LONG I | | |
| 29 | DESERET SMALL LETTER LONG E | | |
| 2A | DESERET SMALL LETTER LONG A | | |
| 2B | DESERET SMALL LETTER LONG AH | | |
| 2C | DESERET SMALL LETTER LONG O | | |
| 2D | DESERET SMALL LETTER LONG OO | | |
| 2E | DESERET SMALL LETTER SHORT I | | |
| 2F | DESERET SMALL LETTER SHORT E | | |
| 30 | DESERET SMALL LETTER SHORT A | | |
| 31 | DESERET SMALL LETTER SHORT AH | | |
| 32 | DESERET SMALL LETTER SHORT O | | |
| 33 | DESERET SMALL LETTER SHORT OO | | |
| 34 | DESERET SMALL LETTER AY | | |
| 35 | DESERET SMALL LETTER OW | | |
| 36 | DESERET SMALL LETTER WU | | |
| 37 | DESERET SMALL LETTER YEE | | |
| 38 | DESERET SMALL LETTER H | | |
| 39 | DESERET SMALL LETTER PEE | | |
| 3A | DESERET SMALL LETTER BEE | | |
| 3B | DESERET SMALL LETTER TEE | | |
| 3C | DESERET SMALL LETTER DEE | | |
| 3D | DESERET SMALL LETTER CHEE | | |
| 3E | DESERET SMALL LETTER JEE | | |
| 3F | DESERET SMALL LETTER KAY | | |
| 40 | DESERET SMALL LETTER GAY | | |
| 41 | DESERET SMALL LETTER EF | | |
| 42 | DESERET SMALL LETTER VEE | | |
| 43 | DESERET SMALL LETTER ETH | | |
| 44 | DESERET SMALL LETTER THEE | | |
| 45 | DESERET SMALL LETTER ES | | |
| 46 | DESERET SMALL LETTER ZEE | | |
| 47 | DESERET SMALL LETTER ESH | | |
| 48 | DESERET SMALL LETTER ZHEE | | |
| 49 | DESERET SMALL LETTER ER | | |
| 4A | DESERET SMALL LETTER EL | | |
| 4B | DESERET SMALL LETTER EM | | |
| 4C | DESERET SMALL LETTER EN | | |
| 4D | DESERET SMALL LETTER ENG | | |
| 4E | (This position shall not be used) | | |
| 4F | (This position shall not be used) | | |

Group 00

Plane 01

Row 04

TABLE 4 – Row D0: BYZANTINE MUSICAL SYMBOLS

| | D00 | D01 | D02 | D03 | D04 | D05 | D06 | D07 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | | | | | | | | |
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| A | | | | | | | | |
| B | | | | | | | | |
| C | | | | | | | | |
| D | | | | | | | | |
| E | | | | | | | | |
| F | | | | | | | | |

G = 00

P = 01

TABLE 4 – Row D0: BYZANTINE MUSICAL SYMBOLS

| hex | Name | hex | Name |
|-----|---|-----|---|
| 00 | GREEK BYZANTINE MUSIC PSILI SIGN | 58 | GREEK BYZANTINE MUSIC VAREIA LATE SIGN |
| 01 | GREEK BYZANTINE MUSIC DASEIA SIGN | 59 | GREEK BYZANTINE MUSIC PIASMA LATE SIGN |
| 02 | GREEK BYZANTINE MUSIC PERISPOMENI SIGN | 5A | GREEK BYZANTINE MUSIC PSIFISTON LATE SIGN |
| 03 | GREEK BYZANTINE MUSIC OXEIA EK FONITIKON SIGN | 5B | GREEK BYZANTINE MUSIC OMALON SIGN |
| 04 | GREEK BYZANTINE MUSIC OXEIA DIPLI SIGN | 5C | GREEK BYZANTINE MUSIC ANTIKENOMA SIGN |
| 05 | GREEK BYZANTINE MUSIC VAREIA EK FONITIKON SIGN | 5D | GREEK BYZANTINE MUSIC LYGISMA SIGN |
| 06 | GREEK BYZANTINE MUSIC VAREIA DIPLI SIGN | 5E | GREEK BYZANTINE MUSIC PARAKLITIKI LATE SIGN |
| 07 | GREEK BYZANTINE MUSIC KATHISTI SIGN | 5F | GREEK BYZANTINE MUSIC PARAKALESMA LATE SIGN |
| 08 | GREEK BYZANTINE MUSIC SYRMATIKI SIGN | 60 | GREEK BYZANTINE MUSIC ETERON PARAKALESMA SIGN |
| 09 | GREEK BYZANTINE MUSIC PARAKLITIKI SIGN | 61 | GREEK BYZANTINE MUSIC KYLISMA SIGN |
| 0A | GREEK BYZANTINE MUSIC YPOKRISIS SIGN | 62 | GREEK BYZANTINE MUSIC ANTIKENOKYLISMA SIGN |
| 0B | GREEK BYZANTINE MUSIC YPOKRISIS DIPLI SIGN | 63 | GREEK BYZANTINE MUSIC TROMIKON LATE SIGN |
| 0C | GREEK BYZANTINE MUSIC KREMASTI SIGN | 64 | GREEK BYZANTINE MUSIC EKSTREPTON SIGN |
| 0D | GREEK BYZANTINE MUSIC APESO EK FONITIKON SIGN | 65 | GREEK BYZANTINE MUSIC SYNAGMA LATE SIGN |
| 0E | GREEK BYZANTINE MUSIC EXO EK FONITIKON SIGN | 66 | GREEK BYZANTINE MUSIC SYRMA SIGN |
| 0F | GREEK BYZANTINE MUSIC TELEIA SIGN | 67 | GREEK BYZANTINE MUSIC CHOREVMA LATE SIGN |
| 10 | GREEK BYZANTINE MUSIC KENTIMATA SIGN | 68 | GREEK BYZANTINE MUSIC EPEGERMA SIGN |
| 11 | GREEK BYZANTINE MUSIC APOSTROFOS SIGN | 69 | GREEK BYZANTINE MUSIC SEISMA LATE SIGN |
| 12 | GREEK BYZANTINE MUSIC APOSTROFOS DIPLI SIGN | 6A | GREEK BYZANTINE MUSIC XIRON KLASMA SIGN |
| 13 | GREEK BYZANTINE MUSIC SYNEVMA SIGN | 6B | GREEK BYZANTINE MUSIC TROMIKOPSI FISTON SIGN |
| 14 | GREEK BYZANTINE MUSIC THITA SIGN | 6C | GREEK BYZANTINE MUSIC PSIFISTOLYGISMA SIGN |
| 15 | GREEK BYZANTINE MUSIC OLIGON ARCHAIC SIGN | 6D | GREEK BYZANTINE MUSIC TROMIKOLYGISMA SIGN |
| 16 | GREEK BYZANTINE MUSIC GORGON ARCHAIC SIGN | 6E | GREEK BYZANTINE MUSIC TROMIKOPARAKALESMA SIGN |
| 17 | GREEK BYZANTINE MUSIC PSILON SIGN | 6F | GREEK BYZANTINE MUSIC PSIFISTOPARAKALESMA SIGN |
| 18 | GREEK BYZANTINE MUSIC CHAMILON SIGN | 70 | GREEK BYZANTINE MUSIC TROMIKOSYNAGMA SIGN |
| 19 | GREEK BYZANTINE MUSIC VATHY SIGN | 71 | GREEK BYZANTINE MUSIC PSIFISTOSYNAGMA SIGN |
| 1A | GREEK BYZANTINE MUSIC ISON ARCHAIC SIGN | 72 | GREEK BYZANTINE MUSIC GORGOSYNTHETON SIGN |
| 1B | GREEK BYZANTINE MUSIC KENTIMA ARCHAIC SIGN | 73 | GREEK BYZANTINE MUSIC ARGOSYNTHETON SIGN |
| 1C | GREEK BYZANTINE MUSIC KENTIMATA ARCHAIC SIGN | 74 | GREEK BYZANTINE MUSIC ETERON ARGOSYNTHETON SIGN |
| 1D | GREEK BYZANTINE MUSIC SAXIMATA SIGN | 75 | GREEK BYZANTINE MUSIC OYRANISMA LATE SIGN |
| 1E | GREEK BYZANTINE MUSIC PARICHON SIGN | 76 | GREEK BYZANTINE MUSIC THEMATISMOS ESO SIGN |
| 1F | GREEK BYZANTINE MUSIC STAVROS APODEXIA SIGN | 77 | GREEK BYZANTINE MUSIC THEMATISMOS EXO SIGN |
| 20 | GREEK BYZANTINE MUSIC OXEIAI ARCHAIC SIGN | 78 | GREEK BYZANTINE MUSIC THEMA APLOUN SIGN |
| 21 | GREEK BYZANTINE MUSIC VAREIAI ARCHAIC SIGN | 79 | GREEK BYZANTINE MUSIC THES KAI APOTHES SIGN |
| 22 | GREEK BYZANTINE MUSIC APODERMA ARCHAIC SIGN | 7A | GREEK BYZANTINE MUSIC KATAVASMA SIGN |
| 23 | GREEK BYZANTINE MUSIC APOTHEMA SIGN | 7B | GREEK BYZANTINE MUSIC ENDOFONON SIGN |
| 24 | GREEK BYZANTINE MUSIC KLASMA SIGN | 7C | GREEK BYZANTINE MUSIC YFEN KATO SIGN |
| 25 | GREEK BYZANTINE MUSIC REVMA SIGN | 7D | GREEK BYZANTINE MUSIC YFEN ANO SIGN |
| 26 | GREEK BYZANTINE MUSIC PIASMA ARCHAIC SIGN | 7E | GREEK BYZANTINE MUSIC STAVROS SIGN |
| 27 | GREEK BYZANTINE MUSIC TINAGMA SIGN | 7F | GREEK BYZANTINE MUSIC KLASMA ANO SIGN |
| 28 | GREEK BYZANTINE MUSIC ANATRICHISMA SIGN | | |
| 29 | GREEK BYZANTINE MUSIC SEISMA SIGN | | |
| 2A | GREEK BYZANTINE MUSIC SYNAGMA ARCHAIC SIGN | | |
| 2B | GREEK BYZANTINE MUSIC SYNAGMA METASTAVROU SIGN | | |
| 2C | GREEK BYZANTINE MUSIC OYRANISMA ARCHAIC SIGN | | |
| 2D | GREEK BYZANTINE MUSIC THEMA SIGN | | |
| 2E | GREEK BYZANTINE MUSIC LEMOI SIGN | | |
| 2F | GREEK BYZANTINE MUSIC DYOSIGN | | |
| 30 | GREEK BYZANTINE MUSIC TRIA SIGN | | |
| 31 | GREEK BYZANTINE MUSIC TESSERA SIGN | | |
| 32 | GREEK BYZANTINE MUSIC KRATIMATA SIGN | | |
| 33 | GREEK BYZANTINE MUSIC APESO EXO LATE SIGN | | |
| 34 | GREEK BYZANTINE MUSIC FTHORA ARCHAIC SIGN | | |
| 35 | GREEK BYZANTINE MUSIC IMIFTHORA SIGN | | |
| 36 | GREEK BYZANTINE MUSIC TROMIKON ARCHAIC SIGN | | |
| 37 | GREEK BYZANTINE MUSIC KATAVA TROMIKON SIGN | | |
| 38 | GREEK BYZANTINE MUSIC PELASTON SIGN | | |
| 39 | GREEK BYZANTINE MUSIC PSIFISTON SIGN | | |
| 3A | GREEK BYZANTINE MUSIC KONTEVMA SIGN | | |
| 3B | GREEK BYZANTINE MUSIC CHOREVMA ARCHAIC SIGN | | |
| 3C | GREEK BYZANTINE MUSIC RAPISMA SIGN | | |
| 3D | GREEK BYZANTINE MUSIC PARAKALESMA ARCHAIC SIGN | | |
| 3E | GREEK BYZANTINE MUSIC PARAKLITIKI ARCHAIC SIGN | | |
| 3F | GREEK BYZANTINE MUSIC ICHADIN SIGN | | |
| 40 | GREEK BYZANTINE MUSIC NANA SIGN | | |
| 41 | GREEK BYZANTINE MUSIC PETASMA SIGN | | |
| 42 | GREEK BYZANTINE MUSIC KONTEVMA ALLO SIGN | | |
| 43 | GREEK BYZANTINE MUSIC TROMIKON ALLO SIGN | | |
| 44 | GREEK BYZANTINE MUSIC STRAGGISMATA SIGN | | |
| 45 | GREEK BYZANTINE MUSIC GRONTHISMATA SIGN | | |
| 46 | GREEK BYZANTINE MUSIC ISON LATE SIGN | | |
| 47 | GREEK BYZANTINE MUSIC OLIGON LATE SIGN | | |
| 48 | GREEK BYZANTINE MUSIC OXEIA LATE SIGN | | |
| 49 | GREEK BYZANTINE MUSIC PETASTI SIGN | | |
| 4A | GREEK BYZANTINE MUSIC KOUFISMA SIGN | | |
| 4B | GREEK BYZANTINE MUSIC PETASTOKOUFISMA SIGN | | |
| 4C | GREEK BYZANTINE MUSIC KRATIMOKOUFISMA SIGN | | |
| 4D | GREEK BYZANTINE MUSIC PELASTON LATE SIGN | | |
| 4E | GREEK BYZANTINE MUSIC KENTIMATA LATE ANO SIGN | | |
| 4F | GREEK BYZANTINE MUSIC KENTIMA LATE ANO SIGN | | |
| 50 | GREEK BYZANTINE MUSIC YPSILI SIGN | | |
| 51 | GREEK BYZANTINE MUSIC APOSTROFOS LATE SIGN | | |
| 52 | GREEK BYZANTINE MUSIC APOSTROFOI SYNDESAMOS LATE SIGN | | |
| 53 | GREEK BYZANTINE MUSIC YPORROI SIGN | | |
| 54 | GREEK BYZANTINE MUSIC KRATIMOYPORROON SIGN | | |
| 55 | GREEK BYZANTINE MUSIC ELAFRON SIGN | | |
| 56 | GREEK BYZANTINE MUSIC CHAMILI SIGN | | |
| 57 | GREEK BYZANTINE MUSIC MIKRON ISON SIGN | | |

Group 00

Plane 01

Row D0

TABLE 5 – Row D0: BYZANTINE MUSICAL SYMBOLS

| | D08 | D09 | D0A | D0B | D0C | D0D | D0E | D0F |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | ◌̣ | ◌̣̣ | Ⲁ | ⲁ | Ⲃ | ⲃ | Ⲅ | ⲅ |
| 1 | Ⲇ | ⲇ | Ⲉ | ⲉ | Ⲋ | ⲋ | Ⲍ | ⲍ |
| 2 | Ⲏ | ⲏ | Ⲑ | ⲑ | Ⲓ | ⲓ | Ⲕ | ⲕ |
| 3 | Ⲗ | ⲗ | Ⲙ | ⲙ | Ⲏ | ⲏ | Ⲑ | ⲑ |
| 4 | Ⲓ | ⲓ | Ⲕ | ⲕ | Ⲍ | ⲍ | Ⲏ | ⲏ |
| 5 | Ⲑ | ⲑ | Ⲓ | ⲓ | Ⲕ | ⲕ | Ⲍ | ⲍ |
| 6 | Ⲏ | ⲏ | Ⲑ | ⲑ | Ⲓ | ⲓ | Ⲕ | |
| 7 | ⲕ | Ⲍ | ⲍ | Ⲏ | ⲏ | Ⲑ | ⲑ | |
| 8 | ⲏ | Ⲑ | ⲑ | Ⲓ | ⲓ | Ⲕ | ⲕ | |
| 9 | ⲓ | Ⲕ | ⲕ | Ⲍ | ⲍ | Ⲏ | ⲏ | |
| A | ⲑ | Ⲓ | ⲓ | Ⲕ | ⲕ | Ⲍ | ⲍ | |
| B | ⲓ | Ⲕ | ⲕ | Ⲍ | ⲍ | Ⲏ | ⲏ | |
| C | ⲏ | Ⲑ | ⲑ | Ⲓ | ⲓ | Ⲕ | ⲕ | |
| D | ⲑ | Ⲓ | ⲓ | Ⲕ | ⲕ | Ⲍ | ⲍ | |
| E | ⲓ | Ⲕ | ⲕ | Ⲍ | ⲍ | Ⲏ | ⲏ | |
| F | ⲏ | Ⲑ | ⲑ | Ⲓ | ⲓ | Ⲕ | ⲕ | |

G = 00
P = 01

TABLE 5 – Row D0: BYZANTINE MUSICAL SYMBOLS

| hex | Name | hex | Name |
|-----|---|-----|---|
| 80 | GREEK BYZANTINE MUSIC DIPLI ARCHAIC SIGN | CB | GREEK BYZANTINE MUSIC FTHORA I YFESIS TETARTIMORION |
| 81 | GREEK BYZANTINE MUSIC KRATIMA ARCHAIC SIGN | CC | SIGN GREEK BYZANTINE MUSIC FTHORA ENARMONIOS |
| 82 | GREEK BYZANTINE MUSIC KRATIMA ALLO SIGN | | ANTIFONIA SIGN |
| 83 | GREEK BYZANTINE MUSIC KRATIMA LATE SIGN | CD | GREEK BYZANTINE MUSIC YFESIS TRITIMORION SIGN |
| 84 | GREEK BYZANTINE MUSIC APODERMA LATE SIGN | CE | GREEK BYZANTINE MUSIC DIESIS TRITIMORION SIGN |
| 85 | GREEK BYZANTINE MUSIC APLI SIGN | CF | GREEK BYZANTINE MUSIC DIESIS TETARTIMORION SIGN |
| 86 | GREEK BYZANTINE MUSIC DIPLI SIGN | D0 | GREEK BYZANTINE MUSIC DIESIS APLI DY0 DODEKATA SIGN |
| 87 | GREEK BYZANTINE MUSIC TRIPLI SIGN | D1 | GREEK BYZANTINE MUSIC DIESIS MONOGRAMMOS TESSERA |
| 88 | GREEK BYZANTINE MUSIC TETRAPLI SIGN | | DODEKATA SIGN |
| 89 | GREEK BYZANTINE MUSIC KORONIS SIGN | D2 | GREEK BYZANTINE MUSIC DIESIS DIGRAMMOS EX DODEKATA |
| 8A | GREEK BYZANTINE MUSIC LEIMMA ENOS CHRONOU SIGN | | SIGN |
| 8B | GREEK BYZANTINE MUSIC LEIMMA DY0 CHRONON SIGN | D3 | GREEK BYZANTINE MUSIC DIESIS TRIGRAMMOS OKTO |
| 8C | GREEK BYZANTINE MUSIC LEIMMA TRION CHRONON SIGN | | DODEKATA SIGN |
| 8D | GREEK BYZANTINE MUSIC LEIMMA TESSARON CHRONON SIGN | D4 | GREEK BYZANTINE MUSIC YFESIS APLI DY0 DODEKATA SIGN |
| 8E | GREEK BYZANTINE MUSIC LEIMMA IMISEOS CHRONOU SIGN | D5 | GREEK BYZANTINE MUSIC YFESIS MONOGRAMMOS TESSERA |
| 8F | GREEK BYZANTINE MUSIC GORGON LATE ANO SIGN | | DODEKATA SIGN |
| 90 | GREEK BYZANTINE MUSIC GORGON PARESTIGMENON | D6 | GREEK BYZANTINE MUSIC YFESIS DIGRAMMOS EX DODEKATA |
| | ARISTERA SIGN | D7 | GREEK BYZANTINE MUSIC YFESIS TRIGRAMMOS OKTO |
| 91 | GREEK BYZANTINE MUSIC GORGON PARESTIGMENON DEXIA | | DODEKATA SIGN |
| | SIGN | D8 | GREEK BYZANTINE MUSIC GENIKI DIESIS SIGN |
| 92 | GREEK BYZANTINE MUSIC DIGORGON SIGN | D9 | GREEK BYZANTINE MUSIC GENIKI YFESIS SIGN |
| 93 | GREEK BYZANTINE MUSIC DIGORGON PARESTIGMENON | DA | GREEK BYZANTINE MUSIC DIASTOLI APLI MIKRI SIGN |
| | ARISTERA KATO SIGN | DB | GREEK BYZANTINE MUSIC DIASTOLI APLI MEGALI SIGN |
| 94 | GREEK BYZANTINE MUSIC DIGORGON PARESTIGMENON | DC | GREEK BYZANTINE MUSIC DIASTOLI DIPLI SIGN |
| | ARISTERA ANO SIGN | DD | GREEK BYZANTINE MUSIC DIASTOLI THESEOS SIGN |
| 95 | GREEK BYZANTINE MUSIC DIGORGON PARESTIGMENON DEXIA | DE | GREEK BYZANTINE MUSIC SIMANSIS THESEOS SIGN |
| | SIGN | DF | GREEK BYZANTINE MUSIC SIMANSIS THESEOS DISIMOU SIGN |
| 96 | GREEK BYZANTINE MUSIC TRIGORGON SIGN | E0 | GREEK BYZANTINE MUSIC SIMANSIS THESEOS TRISIMOU SIGN |
| 97 | GREEK BYZANTINE MUSIC ARGON SIGN | E1 | GREEK BYZANTINE MUSIC SIMANSIS THESEOS TETRASIMOU |
| 98 | GREEK BYZANTINE MUSIC IMIDIARGON SIGN | | SIGN |
| 99 | GREEK BYZANTINE MUSIC DIARGON SIGN | E2 | GREEK BYZANTINE MUSIC SIMANSIS ARSEOS SIGN |
| 9A | GREEK BYZANTINE MUSIC AGOGI POLI ARG SIGN | E3 | GREEK BYZANTINE MUSIC SIMANSIS ARSEOS DISIMOU SIGN |
| 9B | GREEK BYZANTINE MUSIC AGOGI ARGOTERI SIGN | E4 | GREEK BYZANTINE MUSIC SIMANSIS ARSEOS TRISIMOU SIGN |
| 9C | GREEK BYZANTINE MUSIC AGOGI ARG SIGN | E5 | GREEK BYZANTINE MUSIC SIMANSIS ARSEOS TETRASIMOU SIGN |
| 9D | GREEK BYZANTINE MUSIC AGOGI METRIA SIGN | E6 | GREEK BYZANTINE MUSIC DIGRAMMA GG SIGN |
| 9E | GREEK BYZANTINE MUSIC AGOGI MESI SIGN | E7 | GREEK BYZANTINE MUSIC DIFTOGGOS OU SIGN |
| 9F | GREEK BYZANTINE MUSIC AGOGI GORGI SIGN | E8 | GREEK BYZANTINE MUSIC STIGMA SIGN |
| A0 | GREEK BYZANTINE MUSIC AGOGI GORGOTERI SIGN | E9 | GREEK BYZANTINE MUSIC ARKTIKO PA SIGN |
| A1 | GREEK BYZANTINE MUSIC AGOGI POLI GORGI SIGN | EA | GREEK BYZANTINE MUSIC ARKTIKO VOU SIGN |
| A2 | GREEK BYZANTINE MUSIC MARTYRIA PROTOS ICHOS SIGN | EB | GREEK BYZANTINE MUSIC ARKTIKO GA SIGN |
| A3 | GREEK BYZANTINE MUSIC MARTYRIA ALLI PROTOS ICHOS SIGN | EC | GREEK BYZANTINE MUSIC ARKTIKO DI SIGN |
| A4 | GREEK BYZANTINE MUSIC MARTYRIA DEYTEROS ICHOS SIGN | ED | GREEK BYZANTINE MUSIC ARKTIKO KE SIGN |
| A5 | GREEK BYZANTINE MUSIC MARTYRIA ALLI DEYTEROS ICHOS | EE | GREEK BYZANTINE MUSIC ARKTIKO ZO SIGN |
| | SIGN | EF | GREEK BYZANTINE MUSIC ARKTIKO NI SIGN |
| A6 | GREEK BYZANTINE MUSIC MARTYRIA TRITOS ICHOS SIGN | F0 | GREEK BYZANTINE MUSIC KENTIMATA LATE MESO SIGN |
| A7 | GREEK BYZANTINE MUSIC MARTYRIA TRIFONIAS SIGN | F1 | GREEK BYZANTINE MUSIC KENTIMA LATE MESO SIGN |
| A8 | GREEK BYZANTINE MUSIC MARTYRIA TETARTOS ICHOS SIGN | F2 | GREEK BYZANTINE MUSIC KENTIMATA LATE KATO SIGN |
| A9 | GREEK BYZANTINE MUSIC MARTYRIA TETARTOS LEGETOS | F3 | GREEK BYZANTINE MUSIC KENTIMA LATE KATO SIGN |
| | (ICHOS) SIGN | F4 | GREEK BYZANTINE MUSIC KLASMA KATO SIGN |
| AA | GREEK BYZANTINE MUSIC MARTYRIA LEGETOS ICHOS SIGN | F5 | GREEK BYZANTINE MUSIC GORGON LATE KATO SIGN |
| AB | GREEK BYZANTINE MUSIC MARTYRIA PLAGIOS ICHOS SIGN | F6 | (This position shall not be used) |
| AC | GREEK BYZANTINE MUSIC ISAKIA TELOUS ICHIMATOS SIGN | F7 | (This position shall not be used) |
| AD | GREEK BYZANTINE MUSIC APOSTROFOI TELOUS ICHIMATOS | F8 | (This position shall not be used) |
| | SIGN | F9 | (This position shall not be used) |
| AE | GREEK BYZANTINE MUSIC FANEROSIS TETRAFONIAS SIGN | FA | (This position shall not be used) |
| AF | GREEK BYZANTINE MUSIC FANEROSIS MONOFONIAS SIGN | FB | (This position shall not be used) |
| B0 | GREEK BYZANTINE MUSIC FANEROSIS DIFONIAS SIGN | FC | (This position shall not be used) |
| B1 | GREEK BYZANTINE MUSIC MARTYRIA VARYS ICHOS SIGN | FD | (This position shall not be used) |
| B2 | GREEK BYZANTINE MUSIC MARTYRIA PROTOVARYS ICHOS SIGN | FE | (This position shall not be used) |
| B3 | GREEK BYZANTINE MUSIC MARTYRIA PLAGIOS TETARTOS | FF | (This position shall not be used) |
| | ICHOS SIGN | | |
| B4 | GREEK BYZANTINE MUSIC GORTHMIKON N APLOUN SIGN | | |
| B5 | GREEK BYZANTINE MUSIC GORTHMIKON N DIPLOUN SIGN | | |
| B6 | GREEK BYZANTINE MUSIC ENARXIS KAI FTHORA VOU | | |
| B7 | GREEK BYZANTINE MUSIC IMIFONON SIGN | | |
| B8 | GREEK BYZANTINE MUSIC IMIFTHORON SIGN | | |
| B9 | GREEK BYZANTINE MUSIC FTHORA ARCHAIC DEYTEROU ICHOU | | |
| | SIGN | | |
| BA | GREEK BYZANTINE MUSIC FTHORA DIATONIKI PA SIGN | | |
| BB | GREEK BYZANTINE MUSIC FTHORA DIATONIKI NANA SIGN | | |
| BC | GREEK BYZANTINE MUSIC FTHORA NAOS ICHOS SIGN | | |
| BD | GREEK BYZANTINE MUSIC FTHORA DIATONIKI DI SIGN | | |
| BE | GREEK BYZANTINE MUSIC FTHORA SKLIRON DIATONON DI SIGN | | |
| BF | GREEK BYZANTINE MUSIC FTHORA DIATONIKI KE SIGN | | |
| C0 | GREEK BYZANTINE MUSIC FTHORA DIATONIKI ZO SIGN | | |
| C1 | GREEK BYZANTINE MUSIC FTHORA DIATONIKI NI KATO SIGN | | |
| C2 | GREEK BYZANTINE MUSIC FTHORA DIATONIKI NI ANO SIGN | | |
| C3 | GREEK BYZANTINE MUSIC FTHORA MALAKON CHROMA | | |
| | DIFONIAS SIGN | | |
| C4 | GREEK BYZANTINE MUSIC FTHORA MALAKON CHROMA | | |
| | MONOFONIAS SIGN | | |
| C5 | GREEK BYZANTINE MUSIC FHTORA SKLIRON CHROMA VASIS | | |
| | SIGN | | |
| C6 | GREEK BYZANTINE MUSIC FTHORA SKLIRON CHROMA SYNAFI | | |
| | SIGN | | |
| C7 | GREEK BYZANTINE MUSIC FTHORA NENANO SIGN | | |
| C8 | GREEK BYZANTINE MUSIC CHROA ZYGOS SIGN | | |
| C9 | GREEK BYZANTINE MUSIC CHROA KLITON SIGN | | |
| CA | GREEK BYZANTINE MUSIC CHROA SPATHI SIGN | | |

TABLE 6 – Row D1: WESTERN MUSICAL SYMBOLS

| | D10 | D11 | D12 | D13 | D14 | D15 | D16 | D17 |
|---|----------|----------|-------------|-----|----------|------------|-----|----------|
| 0 | | | | | | | | |
| 1 | | | <i>r</i> | | | | | |
| 2 | | | <i>s</i> | | | | | |
| 3 | | | <i>z</i> | | | | | <i>r</i> |
| 4 | | | | | <i>p</i> | | | |
| 5 | | | | | <i>m</i> | | | |
| 6 | | | | | <i>f</i> | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| A | | | | | | | | |
| B | | | | | | <i>Ad.</i> | | |
| C | | <i>7</i> | | | | | | |
| D | <i>H</i> | | <i>D.S.</i> | | | | | |
| E | <i>N</i> | | <i>D.C.</i> | | | | | |
| F | | | | | | | | |

G = 00

P = 01

TABLE 6 – Row D1: WESTERN MUSICAL SYMBOLS

| hex | Name | hex | Name |
|-----|--|-----|---|
| 00 | WESTERN MUSICAL SYMBOL SHARP | 58 | WESTERN MUSICAL SYMBOL UP BOW |
| 01 | WESTERN MUSICAL SYMBOL FLAT | 59 | WESTERN MUSICAL SYMBOL HARMONIC |
| 02 | WESTERN MUSICAL SYMBOL NATURAL | 5A | WESTERN MUSICAL SYMBOL SNAP PIZZICATO |
| 03 | WESTERN MUSICAL SYMBOL DOUBLE SHARP | 5B | WESTERN MUSICAL SYMBOL PEDAL MARK |
| 04 | WESTERN MUSICAL SYMBOL DOUBLE FLAT | 5C | WESTERN MUSICAL SYMBOL PEDAL UP MARK |
| 05 | WESTERN MUSICAL SYMBOL FLAT UP | 5D | WESTERN MUSICAL SYMBOL HALF PEDAL MARK |
| 06 | WESTERN MUSICAL SYMBOL FLAT DOWN | 5E | WESTERN MUSICAL SYMBOL GLISSANDO UP |
| 07 | WESTERN MUSICAL SYMBOL NATURAL UP | 5F | WESTERN MUSICAL SYMBOL GLISSANDO DOWN |
| 08 | WESTERN MUSICAL SYMBOL NATURAL DOWN | 60 | WESTERN MUSICAL SYMBOL WITH FINGERNAILS |
| 09 | WESTERN MUSICAL SYMBOL SHARP UP | 61 | WESTERN MUSICAL SYMBOL DAMP |
| 0A | WESTERN MUSICAL SYMBOL SHARP DOWN | 62 | WESTERN MUSICAL SYMBOL DAMP ALL |
| 0B | WESTERN MUSICAL SYMBOL QUARTER TONE SHARP | 63 | WESTERN MUSICAL SYMBOL MAXIMA |
| 0C | WESTERN MUSICAL SYMBOL QUARTER TONE FLAT | 64 | WESTERN MUSICAL SYMBOL LONGA |
| 0D | WESTERN MUSICAL SYMBOL HAUPTSTIMME | 65 | WESTERN MUSICAL SYMBOL BREVIS |
| 0E | WESTERN MUSICAL SYMBOL NEBENSTIMME | 66 | WESTERN MUSICAL SYMBOL SEMIBREVIS WHITE |
| 0F | WESTERN MUSICAL SYMBOL DEGREE SLASH | 67 | WESTERN MUSICAL SYMBOL SEMIBREVIS BLACK |
| 10 | WESTERN MUSICAL SYMBOL ACCENT | 68 | WESTERN MUSICAL SYMBOL MINIMA |
| 11 | WESTERN MUSICAL SYMBOL STACCATO | 69 | WESTERN MUSICAL SYMBOL MINIMA BLACK |
| 12 | WESTERN MUSICAL SYMBOL TENUTO | 6A | WESTERN MUSICAL SYMBOL SEMIMINIMA WHITE |
| 13 | WESTERN MUSICAL SYMBOL STACCATISSIMO | 6B | WESTERN MUSICAL SYMBOL SEMIMINIMA BLACK |
| 14 | WESTERN MUSICAL SYMBOL MARCATO | 6C | WESTERN MUSICAL SYMBOL FUSA WHITE |
| 15 | WESTERN MUSICAL SYMBOL MARCATO-STACCATO | 6D | WESTERN MUSICAL SYMBOL FUSA BLACK |
| 16 | WESTERN MUSICAL SYMBOL ACCENT-STACCATO | 6E | WESTERN MUSICAL SYMBOL LONGA PERFECTA REST |
| 17 | WESTERN MUSICAL SYMBOL LOURE | 6F | WESTERN MUSICAL SYMBOL LONGA IMPERFECTA REST |
| 18 | WESTERN MUSICAL SYMBOL ARPEGGIATO UP | 70 | WESTERN MUSICAL SYMBOL BREVIS REST |
| 19 | WESTERN MUSICAL SYMBOL ARPEGGIATO DOWN | 71 | WESTERN MUSICAL SYMBOL SEMIBREVIS REST |
| 1A | WESTERN MUSICAL SYMBOL DOIT | 72 | WESTERN MUSICAL SYMBOL MINIMA REST |
| 1B | WESTERN MUSICAL SYMBOL RIP | 73 | WESTERN MUSICAL SYMBOL SEMIMINIMA REST |
| 1C | WESTERN MUSICAL SYMBOL FLIP | 74 | WESTERN MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE PERFECTA |
| 1D | WESTERN MUSICAL SYMBOL SMEAR | 75 | WESTERN MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE IMPERFECTA |
| 1E | WESTERN MUSICAL SYMBOL BEND | 76 | WESTERN MUSICAL SYMBOL TEMPUS PERFECTUM CUM PROLATIONE PERFECTA DIMINUTION ONE |
| 1F | WESTERN MUSICAL SYMBOL DOUBLE TONGUE | 77 | WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE PERFECTA |
| 20 | WESTERN MUSICAL SYMBOL TRIPLE TONGUE | 78 | WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA |
| 21 | WESTERN MUSICAL SYMBOL RINFORZANDO | 79 | WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION ONE |
| 22 | WESTERN MUSICAL SYMBOL SUBITO | 7A | WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION TWO |
| 23 | WESTERN MUSICAL SYMBOL Z | 7B | WESTERN MUSICAL SYMBOL TEMPUS IMPERFECTUM CUM PROLATIONE IMPERFECTA DIMINUTION THREE |
| 24 | WESTERN MUSICAL SYMBOL SINGLE BARLINE | 7C | WESTERN MUSICAL SYMBOL CROIX |
| 25 | WESTERN MUSICAL SYMBOL DOUBLE BARLINE | 7D | WESTERN MUSICAL SYMBOL X NOTEHEAD |
| 26 | WESTERN MUSICAL SYMBOL FINAL BARLINE | 7E | WESTERN MUSICAL SYMBOL PLUS NOTEHEAD |
| 27 | WESTERN MUSICAL SYMBOL REVERSE FINAL BARLINE | 7F | WESTERN MUSICAL SYMBOL CIRCLE X NOTEHEAD |
| 28 | WESTERN MUSICAL SYMBOL DASHED BARLINE | | |
| 29 | WESTERN MUSICAL SYMBOL SHORT BARLINE | | |
| 2A | WESTERN MUSICAL SYMBOL LEFT REPEAT SIGN | | |
| 2B | WESTERN MUSICAL SYMBOL RIGHT REPEAT SIGN | | |
| 2C | WESTERN MUSICAL SYMBOL REPEAT DOTS | | |
| 2D | WESTERN MUSICAL SYMBOL DAL SEGNO | | |
| 2E | WESTERN MUSICAL SYMBOL DA CAPO | | |
| 2F | WESTERN MUSICAL SYMBOL SEGNO | | |
| 30 | WESTERN MUSICAL SYMBOL CODA | | |
| 31 | WESTERN MUSICAL SYMBOL REPEATED FIGURE ONE | | |
| 32 | WESTERN MUSICAL SYMBOL REPEATED FIGURE TWO | | |
| 33 | WESTERN MUSICAL SYMBOL REPEATED FIGURE THREE | | |
| 34 | WESTERN MUSICAL SYMBOL FERMATATA | | |
| 35 | WESTERN MUSICAL SYMBOL FERMATATA UNDER | | |
| 36 | WESTERN MUSICAL SYMBOL BREATH MARK | | |
| 37 | WESTERN MUSICAL SYMBOL CAESURA | | |
| 38 | WESTERN MUSICAL SYMBOL BRACE | | |
| 39 | WESTERN MUSICAL SYMBOL BRACKET | | |
| 3A | WESTERN MUSICAL SYMBOL G CLEF | | |
| 3B | WESTERN MUSICAL SYMBOL G CLEF OTTAVA ALTA | | |
| 3C | WESTERN MUSICAL SYMBOL G CLEF OTTAVA BASSA | | |
| 3D | WESTERN MUSICAL SYMBOL C CLEF | | |
| 3E | WESTERN MUSICAL SYMBOL OLD C CLEF | | |
| 3F | WESTERN MUSICAL SYMBOL F CLEF | | |
| 40 | WESTERN MUSICAL SYMBOL F CLEF OTTAVA ALTA | | |
| 41 | WESTERN MUSICAL SYMBOL F CLEF OTTAVA BASSA | | |
| 42 | WESTERN MUSICAL SYMBOL DRUM CLEF ONE | | |
| 43 | WESTERN MUSICAL SYMBOL DRUM CLEF TWO | | |
| 44 | WESTERN MUSICAL SYMBOL PIANO | | |
| 45 | WESTERN MUSICAL SYMBOL MEZZO | | |
| 46 | WESTERN MUSICAL SYMBOL FORTE | | |
| 47 | WESTERN MUSICAL SYMBOL CRESCENDO | | |
| 48 | WESTERN MUSICAL SYMBOL DECRESCENDO | | |
| 49 | WESTERN MUSICAL SYMBOL GREGORIAN C CLEF | | |
| 4A | WESTERN MUSICAL SYMBOL GREGORIAN F CLEF | | |
| 4B | WESTERN MUSICAL SYMBOL SQUARE B | | |
| 4C | WESTERN MUSICAL SYMBOL VIRGA | | |
| 4D | WESTERN MUSICAL SYMBOL PODATUS | | |
| 4E | WESTERN MUSICAL SYMBOL CLIVIS | | |
| 4F | WESTERN MUSICAL SYMBOL SCANDICUS | | |
| 50 | WESTERN MUSICAL SYMBOL CLIMACUS | | |
| 51 | WESTERN MUSICAL SYMBOL TORCULUS | | |
| 52 | WESTERN MUSICAL SYMBOL PORRECTUS | | |
| 53 | WESTERN MUSICAL SYMBOL PORRECTUS FLEXUS | | |
| 54 | WESTERN MUSICAL SYMBOL SCANDICUS FLEXUS | | |
| 55 | WESTERN MUSICAL SYMBOL TORCULUS RESUPINUS | | |
| 56 | WESTERN MUSICAL SYMBOL PES SUBPUNCTIS | | |
| 57 | WESTERN MUSICAL SYMBOL DOWN BOW | | |

Group 00

Plane 01

Row D1

TABLE 7 – Row D1: WESTERN MUSICAL SYMBOLS

| | D18 | D19 | D1A | D1B | D1C | D1D | D1E | D1F |
|---|-----|----------------------|-----------------|------------------|-----|-----|-----|-----|
| 0 | □ | () | | 15 ^{ma} | c | | | |
| 1 | ■ | | | 15 ^{mb} | ∩ | | | |
| 2 | △ | NULL NOTE HEAD | | | ∪ | | | |
| 3 | ▲ | | | | ∩ | | | |
| 4 | ▴ | | | <i>tr</i> | | | | |
| 5 | ▾ | | | ∞ | | | | |
| 6 | ◀ | | TIE- START | ∞ | | | | |
| 7 | ▶ | ✱ | TIE- END | ∞ | | | | |
| 8 | ▽ | † | BEAM- START | ∞ | γ | | | |
| 9 | ▼ | ‡ | BEAM- END | ∞ | δ | | | |
| A | ∇ | § | SLUR- START | ∞ | | c | | |
| B | ▽ | | SLUR- END | ∞ | | Ⓢ | | |
| C | ◊ | Ⓢ | PHRASE START |) | | | | |
| D | ◼ | Ⓢ | PHRASE END |) | — | | | |
| E | ∇ | | 8 ^{va} | | == | | | |
| F | ▼ | | 8 ^{vb} | ∩ | == | | | |

G = 00

P = 01

TABLE 7 – Row D1: WESTERN MUSICAL SYMBOLS

| hex | Name | hex | Name |
|-----|---|-----|--|
| 80 | WESTERN MUSICAL SYMBOL SQUARE NOTEHEAD WHITE | CE | WESTERN MUSICAL SYMBOL TWO-LINE STAFF |
| 81 | WESTERN MUSICAL SYMBOL SQUARE NOTEHEAD BLACK | CF | WESTERN MUSICAL SYMBOL THREE-LINE STAFF |
| 82 | WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP WHITE | D0 | WESTERN MUSICAL SYMBOL FOUR-LINE STAFF |
| 83 | WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP BLACK | D1 | WESTERN MUSICAL SYMBOL FIVE-LINE STAFF |
| 84 | WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD LEFT WHITE | D2 | WESTERN MUSICAL SYMBOL SIX-LINE STAFF |
| 85 | WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD LEFT BLACK | D3 | WESTERN MUSICAL SYMBOL STEM PLUS FLAG ONE |
| 86 | WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD RIGHT WHITE | D4 | WESTERN MUSICAL SYMBOL STEM PLUS FLAG TWO |
| 87 | WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD RIGHT BLACK | D5 | WESTERN MUSICAL SYMBOL STEM PLUS FLAG THREE |
| 88 | WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD DOWN WHITE | D6 | WESTERN MUSICAL SYMBOL STEM PLUS FLAG FOUR |
| 89 | WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD DOWN BLACK | D7 | WESTERN MUSICAL SYMBOL STEM PLUS FLAG FIVE |
| 8A | WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP RIGHT WHITE | D8 | WESTERN MUSICAL SYMBOL SIX-STRING FRETBOARD |
| 8B | WESTERN MUSICAL SYMBOL TRIANGLE NOTEHEAD UP RIGHT BLACK | D9 | WESTERN MUSICAL SYMBOL FOUR-STRING FRETBOARD |
| 8C | WESTERN MUSICAL SYMBOL MOON NOTEHEAD WHITE | DA | WESTERN MUSICAL SYMBOL COMMON TIME |
| 8D | WESTERN MUSICAL SYMBOL MOON NOTEHEAD BLACK | DB | WESTERN MUSICAL SYMBOL CUT TIME |
| 8E | WESTERN MUSICAL SYMBOL TRIANGLE-ROUND NOTEHEAD DOWN WHITE | DC | (This position shall not be used) |
| 8F | WESTERN MUSICAL SYMBOL TRIANGLE-ROUND NOTEHEAD DOWN BLACK | DD | (This position shall not be used) |
| 90 | WESTERN MUSICAL SYMBOL PARENTHESIS NOTEHEAD | DE | (This position shall not be used) |
| 91 | WESTERN MUSICAL SYMBOL VOID NOTEHEAD | DF | (This position shall not be used) |
| 92 | WESTERN MUSICAL SYMBOL NULL NOTEHEAD | E0 | (This position shall not be used) |
| 93 | WESTERN MUSICAL SYMBOL NOTEHEAD BLACK | E1 | (This position shall not be used) |
| 94 | WESTERN MUSICAL SYMBOL CLUSTER NOTEHEAD WHITE | E2 | (This position shall not be used) |
| 95 | WESTERN MUSICAL SYMBOL CLUSTER NOTEHEAD BLACK | E3 | (This position shall not be used) |
| 96 | WESTERN MUSICAL SYMBOL STEM | E4 | (This position shall not be used) |
| 97 | WESTERN MUSICAL SYMBOL SPRECHGESANG STEM | E5 | (This position shall not be used) |
| 98 | WESTERN MUSICAL SYMBOL TREMOLO STEM ONE | E6 | (This position shall not be used) |
| 99 | WESTERN MUSICAL SYMBOL TREMOLO STEM TWO | E7 | (This position shall not be used) |
| 9A | WESTERN MUSICAL SYMBOL TREMOLO STEM THREE | E8 | (This position shall not be used) |
| 9B | WESTERN MUSICAL SYMBOL FINGERED TREMOLO | E9 | (This position shall not be used) |
| 9C | WESTERN MUSICAL SYMBOL BREVE | EA | (This position shall not be used) |
| 9D | WESTERN MUSICAL SYMBOL WHOLE NOTE | EB | (This position shall not be used) |
| 9E | WESTERN MUSICAL SYMBOL HALF NOTE | EC | (This position shall not be used) |
| 9F | WESTERN MUSICAL SYMBOL QUARTER NOTE | ED | (This position shall not be used) |
| A0 | WESTERN MUSICAL SYMBOL EIGHTH NOTE | EE | (This position shall not be used) |
| A1 | WESTERN MUSICAL SYMBOL SIXTEENTH NOTE | EF | (This position shall not be used) |
| A2 | WESTERN MUSICAL SYMBOL THIRTY-SECOND NOTE | F0 | (This position shall not be used) |
| A3 | WESTERN MUSICAL SYMBOL SIXTY-FOURTH NOTE | F1 | (This position shall not be used) |
| A4 | WESTERN MUSICAL SYMBOL ONE HUNDRED TWENTY-EIGHTH NOTE | F2 | (This position shall not be used) |
| A5 | WESTERN MUSICAL SYMBOL AUGMENTATION DOT | F3 | (This position shall not be used) |
| A6 | WESTERN MUSICAL SYMBOL TIE-START | F4 | (This position shall not be used) |
| A7 | WESTERN MUSICAL SYMBOL TIE-END | F5 | (This position shall not be used) |
| A8 | WESTERN MUSICAL SYMBOL BEAM-START | F6 | (This position shall not be used) |
| A9 | WESTERN MUSICAL SYMBOL BEAM-END | F7 | (This position shall not be used) |
| AA | WESTERN MUSICAL SYMBOL SLUR-START | F8 | (This position shall not be used) |
| AB | WESTERN MUSICAL SYMBOL SLUR-END | F9 | (This position shall not be used) |
| AC | WESTERN MUSICAL SYMBOL PHRASE-START | FA | (This position shall not be used) |
| AD | WESTERN MUSICAL SYMBOL PHRASE-END | FB | (This position shall not be used) |
| AE | WESTERN MUSICAL SYMBOL OTTAVA ALTA | FC | (This position shall not be used) |
| AF | WESTERN MUSICAL SYMBOL OTTAVA BASSA | FD | (This position shall not be used) |
| B0 | WESTERN MUSICAL SYMBOL QUINDICESIMA ALTA | FE | (This position shall not be used) |
| B1 | WESTERN MUSICAL SYMBOL QUINDICESIMA BASSA | FF | (This position shall not be used) |
| B2 | WESTERN MUSICAL SYMBOL GRACE NOTE SLASH | | |
| B3 | WESTERN MUSICAL SYMBOL GRACE NOTE NO SLASH | | |
| B4 | WESTERN MUSICAL SYMBOL TR | | |
| B5 | WESTERN MUSICAL SYMBOL TURN | | |
| B6 | WESTERN MUSICAL SYMBOL INVERTED TURN | | |
| B7 | WESTERN MUSICAL SYMBOL TURN SLASH | | |
| B8 | WESTERN MUSICAL SYMBOL TURN UP | | |
| B9 | WESTERN MUSICAL SYMBOL ORNAMENT STROKE ONE | | |
| BA | WESTERN MUSICAL SYMBOL ORNAMENT STROKE TWO | | |
| BB | WESTERN MUSICAL SYMBOL ORNAMENT STROKE THREE | | |
| BC | WESTERN MUSICAL SYMBOL ORNAMENT STROKE FOUR | | |
| BD | WESTERN MUSICAL SYMBOL ORNAMENT STROKE FIVE | | |
| BE | WESTERN MUSICAL SYMBOL ORNAMENT STROKE SIX | | |
| BF | WESTERN MUSICAL SYMBOL ORNAMENT STROKE SEVEN | | |
| C0 | WESTERN MUSICAL SYMBOL ORNAMENT STROKE EIGHT | | |
| C1 | WESTERN MUSICAL SYMBOL ORNAMENT STROKE NINE | | |
| C2 | WESTERN MUSICAL SYMBOL ORNAMENT STROKE TEN | | |
| C3 | WESTERN MUSICAL SYMBOL ORNAMENT STROKE ELEVEN | | |
| C4 | WESTERN MUSICAL SYMBOL MULTI REST | | |
| C5 | WESTERN MUSICAL SYMBOL WHOLE REST | | |
| C6 | WESTERN MUSICAL SYMBOL HALF REST | | |
| C7 | WESTERN MUSICAL SYMBOL QUARTER REST | | |
| C8 | WESTERN MUSICAL SYMBOL EIGHTH REST | | |
| C9 | WESTERN MUSICAL SYMBOL SIXTEENTH REST | | |
| CA | WESTERN MUSICAL SYMBOL THIRTY-SECOND REST | | |
| CB | WESTERN MUSICAL SYMBOL SIXTY-FOURTH REST | | |
| CC | WESTERN MUSICAL SYMBOL ONE HUNDRED TWENTY-EIGHTH REST | | |
| CD | WESTERN MUSICAL SYMBOL ONE-LINE STAFF | | |


9.2 Supplementary Plane for CJK Unified Ideographs

An overview of the Secondary Multilingual Plane for scripts and symbols is shown in figure 2. Detailed code tables and lists of character names for the planes are shown on the following pages.

Editor's note: CJK Unified Ideographs allocation as specified in the CJK Unified Ideographs Extension B Working Draft 1999-02-07, Document WG2/IRG N615.

Row-octet

| | | |
|----|------------------------------------|--|
| 00 | CJK Unified Ideographs Extension B | |
| .. | | |
| A0 | | |
| .. | | |
| FF | | |

 = reserved for future standardization

NOTE: Vertical boundaries within rows are indicated in approximate positions only.

Figure 2 – Overview of the Supplementary Plane for CJK Unified Ideographs


9.3 General Purpose Plane

Editor's Note: The Tags repertoire was accepted by resolution WG2 M34.14.

An overview of the General Purpose Plane is shown in figure 3. Detailed code tables and lists of character names for the planes are shown on the following pages.

Row-octet

| | | |
|----|------|--|
| 00 | Tags | |
| .. | | |
| FF | | |

 = reserved for future standardization

NOTE: Vertical boundaries within rows are indicated in approximate positions only.

Figure 3 – Overview of the General Purpose Plane

TABLE 8 – Row 00: TAGS

| | 000 | 001 | 002 | 003 | 004 | 005 | 006 | 007 |
|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 0 | | | SP | 0 | @ | P | ˘ | p |
| 1 | → | | ! | 1 | A | Q | a | q |
| 2 | | | " | 2 | B | R | b | r |
| 3 | | | # | 3 | C | S | c | s |
| 4 | | | \$ | 4 | D | T | d | t |
| 5 | | | % | 5 | E | U | e | u |
| 6 | | | € | 6 | F | V | f | v |
| 7 | | | ı | 7 | Ğ | W | g | w |
| 8 | | | (| 8 | H | X | h | x |
| 9 | | |) | 9 | I | Y | i | y |
| A | | | * | : | J | Z | j | z |
| B | | | + | ; | K | [| k | { |
| C | | | , | < | L | \ | l | |
| D | | | - | = | M |] | m | } |
| E | | | . | > | N | ^ | n | ~ |
| F | | | / | ? | Ö | ° | ö | → |

G = 00

P = 14

TABLE 8 – Row 00: TAGS

| hex | Name | hex | Name |
|-----|-----------------------------------|-----|----------------------------|
| 00 | (This position shall not be used) | 58 | TAG LATIN CAPITAL LETTER X |
| 01 | LANGUAGE TAG | 59 | TAG LATIN CAPITAL LETTER Y |
| 02 | (This position shall not be used) | 5A | TAG LATIN CAPITAL LETTER Z |
| 03 | (This position shall not be used) | 5B | TAG LEFT SQUARE BRACKET |
| 04 | (This position shall not be used) | 5C | TAG REVERSE SOLIDUS |
| 05 | (This position shall not be used) | 5D | TAG RIGHT SQUARE BRACKET |
| 06 | (This position shall not be used) | 5E | TAG CIRCUMFLEX ACCENT |
| 07 | (This position shall not be used) | 5F | TAG LOW LINE |
| 08 | (This position shall not be used) | 60 | TAG GRAVE ACCENT |
| 09 | (This position shall not be used) | 61 | TAG LATIN SMALL LETTER A |
| 0A | (This position shall not be used) | 62 | TAG LATIN SMALL LETTER B |
| 0B | (This position shall not be used) | 63 | TAG LATIN SMALL LETTER C |
| 0C | (This position shall not be used) | 64 | TAG LATIN SMALL LETTER D |
| 0D | (This position shall not be used) | 65 | TAG LATIN SMALL LETTER E |
| 0E | (This position shall not be used) | 66 | TAG LATIN SMALL LETTER F |
| 0F | (This position shall not be used) | 67 | TAG LATIN SMALL LETTER G |
| 10 | (This position shall not be used) | 68 | TAG LATIN SMALL LETTER H |
| 11 | (This position shall not be used) | 69 | TAG LATIN SMALL LETTER I |
| 12 | (This position shall not be used) | 6A | TAG LATIN SMALL LETTER J |
| 13 | (This position shall not be used) | 6B | TAG LATIN SMALL LETTER K |
| 14 | (This position shall not be used) | 6C | TAG LATIN SMALL LETTER L |
| 15 | (This position shall not be used) | 6D | TAG LATIN SMALL LETTER M |
| 16 | (This position shall not be used) | 6E | TAG LATIN SMALL LETTER N |
| 17 | (This position shall not be used) | 6F | TAG LATIN SMALL LETTER O |
| 18 | (This position shall not be used) | 70 | TAG LATIN SMALL LETTER P |
| 19 | (This position shall not be used) | 71 | TAG LATIN SMALL LETTER Q |
| 1A | (This position shall not be used) | 72 | TAG LATIN SMALL LETTER R |
| 1B | (This position shall not be used) | 73 | TAG LATIN SMALL LETTER S |
| 1C | (This position shall not be used) | 74 | TAG LATIN SMALL LETTER T |
| 1D | (This position shall not be used) | 75 | TAG LATIN SMALL LETTER U |
| 1E | (This position shall not be used) | 76 | TAG LATIN SMALL LETTER V |
| 1F | (This position shall not be used) | 77 | TAG LATIN SMALL LETTER W |
| 20 | TAG SPACE | 78 | TAG LATIN SMALL LETTER X |
| 21 | TAG EXCLAMATION MARK | 79 | TAG LATIN SMALL LETTER Y |
| 22 | TAG QUOTATION MARK | 7A | TAG LATIN SMALL LETTER Z |
| 23 | TAG NUMBER SIGN | 7B | TAG LEFT CURLY BRACKET |
| 24 | TAG DOLLAR SIGN | 7C | TAG VERTICAL LINE |
| 25 | TAG PERCENT SIGN | 7D | TAG RIGHT CURLY BRACKET |
| 26 | TAG AMPERSAND | 7E | TAG TILDE |
| 27 | TAG APOSTROPHE | 7F | CANCEL TAG |
| 28 | TAG LEFT PARENTHESIS | | |
| 29 | TAG RIGHT PARENTHESIS | | |
| 2A | TAG ASTERISK | | |
| 2B | TAG PLUS SIGN | | |
| 2C | TAG COMMA | | |
| 2D | TAG HYPHEN-MINUS | | |
| 2E | TAG FULL STOP | | |
| 2F | TAG SOLIDUS | | |
| 30 | TAG DIGIT ZERO | | |
| 31 | TAG DIGIT ONE | | |
| 32 | TAG DIGIT TWO | | |
| 33 | TAG DIGIT THREE | | |
| 34 | TAG DIGIT FOUR | | |
| 35 | TAG DIGIT FIVE | | |
| 36 | TAG DIGIT SIX | | |
| 37 | TAG DIGIT SEVEN | | |
| 38 | TAG DIGIT EIGHT | | |
| 39 | TAG DIGIT NINE | | |
| 3A | TAG COLON | | |
| 3B | TAG SEMICOLON | | |
| 3C | TAG LESS-THAN SIGN | | |
| 3D | TAG EQUALS SIGN | | |
| 3E | TAG GREATER-THAN SIGN | | |
| 3F | TAG QUESTION MARK | | |
| 40 | TAG COMMERCIAL AT | | |
| 41 | TAG LATIN CAPITAL LETTER A | | |
| 42 | TAG LATIN CAPITAL LETTER B | | |
| 43 | TAG LATIN CAPITAL LETTER C | | |
| 44 | TAG LATIN CAPITAL LETTER D | | |
| 45 | TAG LATIN CAPITAL LETTER E | | |
| 46 | TAG LATIN CAPITAL LETTER F | | |
| 47 | TAG LATIN CAPITAL LETTER G | | |
| 48 | TAG LATIN CAPITAL LETTER H | | |
| 49 | TAG LATIN CAPITAL LETTER I | | |
| 4A | TAG LATIN CAPITAL LETTER J | | |
| 4B | TAG LATIN CAPITAL LETTER K | | |
| 4C | TAG LATIN CAPITAL LETTER L | | |
| 4D | TAG LATIN CAPITAL LETTER M | | |
| 4E | TAG LATIN CAPITAL LETTER N | | |
| 4F | TAG LATIN CAPITAL LETTER O | | |
| 50 | TAG LATIN CAPITAL LETTER P | | |
| 51 | TAG LATIN CAPITAL LETTER Q | | |
| 52 | TAG LATIN CAPITAL LETTER R | | |
| 53 | TAG LATIN CAPITAL LETTER S | | |
| 54 | TAG LATIN CAPITAL LETTER T | | |
| 55 | TAG LATIN CAPITAL LETTER U | | |
| 56 | TAG LATIN CAPITAL LETTER V | | |
| 57 | TAG LATIN CAPITAL LETTER W | | |

Annexes

Annex A: Collections of graphic characters for subsets (normative)

A.1 Collections of coded graphic characters

The collections listed below are ordered by collection number.

| <u>Collection number and name</u> | <u>Position</u> |
|-----------------------------------|-----------------|
| 1001 ETRUSCAN | 10300-1032F |
| 1002 GOTHIC | 10330-1034F |
| 1003 DESERET | 10400-1044F |
| 1004 BYZANTINE MUSICAL SYMBOLS | 1D000-1D0FF |
| 1005 WESTERN MUSICAL SYMBOLS | 1D100-1D1FF |
| 2001 TAGS | E0000-E007F |

The following specify other collections:

| | |
|-------------------------------|-------------|
| 1000 SMP | 10000-1FFFF |
| 1900 SMP COMBINING CHARACTERS | see annex B |
| 1100 SIP | 20000-2FFFF |
| 2000 GPP | E0000-EFFFF |

A.2 Blocks in the SMP

The following blocks are specified in the Secondary Multilingual Plane for scripts and symbols. They are ordered by code position:

| <u>Block name</u> | <u>from</u> _____ <u>to</u> |
|---------------------------|-----------------------------|
| ETRUSCAN | 10300-1032F |
| GOTHIC | 10330-1034F |
| DESERET | 10400-1044F |
| BYZANTINE MUSICAL SYMBOLS | 1D000-1D0FF |
| WESTERN MUSICAL SYMBOLS | 1D100-1D1FF |

A.3 Blocks in the GPP

The following blocks are specified in the General Purpose Plane. They are ordered by code position:

| <u>Block name</u> | <u>from</u> _____ <u>to</u> |
|-------------------|-----------------------------|
| TAGS | E0000-E007F |

Annex B: List of combining characters (normative)

B.1 List of all combining characters

<TBD>

Annex C: Language tagging using Tag Characters (informative)

C.1 Overview

The purpose of Tag characters is to associate a text attribute with a point or range of a text sequence. The value of a particular tag is not generally considered to be part of the content of the text. Typical examples of tagging are to mark language or font of a portion of text.

These tag characters are to be used to spell out any ASCII-based tagging scheme that needs to be embedded into plain text. These characters can be easily identified and there is no overloading of usage for these tag characters. They can only express tag values and never textual content itself.

The TAGS block contain 97 dedicated tag characters consisting of a clone of the BASIC LATIN graphic characters (names formed by prefixing these BASIC LATIN names with the word 'TAG'), as well as a tag language identification character: LANGUAGE TAG and a tag cancel character: CANCEL TAG.

C.2 Syntax for embedding tags characters

The usage of the tag characters is very simple. In order to embed any ASCII-derived tag in plain text, the tag is simply spelled out with the tag characters instead, prefixed with the relevant tag identification character. The resultant string is embedded directly in the text.

The tag identification character is used as a mechanism for identifying tags of different types. This enables multiple types of tags to coexist amicably embedded in plain text and solves the problem of delimitation if a tag is concatenated directly onto another tag. Although only one type of tag is currently specified, namely the language tag, the encoding of other tag identification characters in the future would allow for distinct types to be used.

No termination character is required for a tag. A tag terminates either when the first non-GPP character is encountered, or when the next tag identification character is encountered.

All tag arguments are only encoded with the tag characters. No other characters are valid for expressing the tag argument.

C.3 Tag scope and nesting

The value of a tag continues from the point the tag is embedded in text until:

- either the text itself goes out of scope,
- or the tag is explicitly cancelled by the CANCEL TAG character.

Tags of the same type cannot be nested in any way. The appearance of a new embedded language tag, for example after text which was already language tagged, simply changes the tagged value for subsequent text to that specified in the new tag.

C.4 Canceling tag values

The CANCEL TAG character is provided to allow the specific canceling of a tag value. For example to cancel a language tag, the LANGUAGE TAG must precede the CANCEL TAG character.

The usage of the CANCEL TAG character without a prefixed tag identification character cancels any tag value that may be defined.

The main function of the character is to make possible such operations as blind concatenation of strings in a tagged context without the propagation of inappropriate tag values across the string boundaries.

C.5 Language tags

Language tags are of general interest and should have a high degree of interoperability for protocol usage. For example, to embed a language tag for Japanese, the tag characters would be used as follows:

```
U-000E0001 U-000E006A U-000E0061
```

The first value is the coded value of the LANGUAGE TAG character, the second corresponds to the TAG LATIN SMALL LETTER J, and the third corresponds to the TAG LATIN SMALL LETTER A. The sequence 'ja' corresponds to the Japanese language in ISO 639:1988.

