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## Roadmap to the BMP

|                  |   |
|------------------|---|
| Revision         | 3.6   |
| Authors          | Michael Everson, Rick McGowan, Ken Whistler   |
| Date             | 2002-06-07  |
| This Version     | <a href="http://www.unicode.org/roadmaps/bmp/bmp-3-6.html">http://www.unicode.org/roadmaps/bmp/bmp-3-6.html</a> |
| Previous Version | <a href="http://www.unicode.org/roadmaps/bmp/bmp-3-5.html">http://www.unicode.org/roadmaps/bmp/bmp-3-5.html</a> |
| Latest Version   | <a href="http://www.unicode.org/roadmaps/bmp/">http://www.unicode.org/roadmaps/bmp/</a>                         |

## Summary

The following table comprises a proportional map of Plane 0, the BMP (Basic Multilingual Plane). A [PDF version of this document](#) is available for convenient printing. A description of the presentation conventions used in the table is at the bottom of this page.

## Status

This document is informative. Please send corrigenda and other comments to the authors using the online [contact form](#).

|    | 0                                     | 1         | 2          | 3              | 4                      | 5 | 6                               | 7                 | 8           | 9 | A          | B | C      | D | E   | F |
|----|---------------------------------------|-----------|------------|----------------|------------------------|---|---------------------------------|-------------------|-------------|---|------------|---|--------|---|-----|---|
| 00 | Basic Latin                           |           |            |                |                        |   | Latin 1 Supplement              |                   |             |   |            |   |        |   |     |   |
| 01 | Latin Extended-A                      |           |            |                |                        |   | Latin Extended-B                |                   |             |   |            |   |        |   |     |   |
| 02 | Latin Extended-B                      |           |            | IPA Extensions |                        |   |                                 | Spacing Modifiers |             |   |            |   |        |   |     |   |
| 03 | Combining Diacritics                  |           |            |                | Greek                  |   |                                 |                   |             |   |            |   |        |   |     |   |
| 04 | Cyrillic                              |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 05 | Cyrillic Sup.                         |           | Armenian   |                |                        |   | Hebrew                          |                   |             |   |            |   |        |   |     |   |
| 06 | Arabic                                |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 07 | Syriac                                |           | ¿N'Ko?     |                | Thaana                 |   |                                 | (Avestan)         |             |   |            |   |        |   |     |   |
| 08 | (Phoenician)                          | (Aramaic) | (Pahlavi)  |                | (Tifinagh)             |   | ¿Samaritan?                     |                   | ¿Mandaic?   |   |            |   |        |   |     |   |
| 09 | Devanagari                            |           |            |                |                        |   | Bengali                         |                   |             |   |            |   |        |   |     |   |
| 0A | Gurmukhi                              |           |            |                |                        |   | Gujarati                        |                   |             |   |            |   |        |   |     |   |
| 0B | Oriya                                 |           |            |                |                        |   | Tamil                           |                   |             |   |            |   |        |   |     |   |
| 0C | Telugu                                |           |            |                |                        |   | Kannada                         |                   |             |   |            |   |        |   |     |   |
| 0D | Malayalam                             |           |            |                |                        |   | Sinhala                         |                   |             |   |            |   |        |   |     |   |
| 0E | Thai                                  |           |            |                |                        |   | Lao                             |                   |             |   |            |   |        |   |     |   |
| 0F | Tibetan                               |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 10 | Myanmar                               |           |            |                |                        |   | Georgian                        |                   |             |   |            |   |        |   |     |   |
| 11 | Hangul Jamo                           |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 12 | Ethiopic                              |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 13 | Ethiopic                              |           |            |                | (Eth.Ext.)             |   | Cherokee                        |                   |             |   |            |   |        |   |     |   |
| 14 | Unified Canadian Aboriginal Syllabics |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 15 | Unified Canadian Aboriginal Syllabics |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 16 | Unified Canadian Aboriginal Syllabics |           |            |                |                        |   | Ogham                           |                   | Runic       |   |            |   |        |   |     |   |
| 17 | Tagalog                               | Hanunóo   | Buhid      | Tagbanwa       | Khmer                  |   |                                 |                   |             |   |            |   |        |   |     |   |
| 18 | Mongolian                             |           |            |                |                        |   |                                 |                   |             |   |            |   | (Cham) |   |     |   |
| 19 | (Limbu)                               |           | (Tai Le)   |                | ¿Việt Thái?            |   |                                 |                   | ???         |   | ???        |   |        |   |     |   |
| 1A | (New Tai Lue)                         |           | ???        |                | ???                    |   | (Lanna (Old Xishuangbanna Dai)) |                   |             |   | ???        |   |        |   |     |   |
| 1B | (Batak)                               |           | (Buginese) |                | ???                    |   | ???                             |                   | ¿Javanese?  |   |            |   | ???    |   | ??? |   |
| 1C | (Meithei/Manipuri)                    |           | ???        |                | ???                    |   | (Lepcha)                        |                   |             |   | ¿Kayah Li? |   |        |   |     |   |
| 1D | (Phonetic Extensions)                 |           |            |                |                        |   | ???                             |                   |             |   |            |   |        |   |     |   |
| 1E | Latin Extended Additional             |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 1F | Greek Extended                        |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 20 | General Punctuation                   |           |            |                | Subs/Supers            |   | Currency                        |                   | Diac. Syms. |   |            |   |        |   |     |   |
| 21 | Letterlike Symbols                    |           |            |                | Number Forms           |   | Arrow                           |                   |             |   |            |   |        |   |     |   |
| 22 | Mathematical Symbols                  |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 23 | Miscellaneous Technical               |           |            |                |                        |   |                                 |                   |             |   |            |   |        |   |     |   |
| 24 | Control Pictures                      |           | OCR        |                | Enclosed Alphanumerics |   |                                 |                   |             |   |            |   |        |   |     |   |

|    |                                     |                           |                              |                    |               |  |
|----|-------------------------------------|---------------------------|------------------------------|--------------------|---------------|--|
| 25 | Box Drawing                         | Blocks                    | Geometric Shapes             |                    |               |  |
| 26 | Miscellaneous Symbols               |                           |                              |                    |               |  |
| 27 | Dingbats                            |                           |                              | MiscMathA          | Arrows        |  |
| 28 | Braille Patterns                    |                           |                              |                    |               |  |
| 29 | Supplemental Arrows-B               |                           | Misc. Mathematical Symbols-B |                    |               |  |
| 2A | Supplemental Mathematical Operators |                           |                              |                    |               |  |
| 2B | ¿Supplemental Symbols?              |                           |                              |                    |               |  |
| 2C | (Coptic)                            | (Hungar. Runic)           | ???                          | (Glagolitic)       | ???           |  |
| 2D | (Ethiopic Extended)                 | ???                       | ???                          | (Ol Cemet')        | (Sorang Sng.) |  |
| 2E | ¿Siloti Nagri?                      | (Varang Kshiti)           | CJK Radicals                 |                    |               |  |
| 2F | Kangxi Radicals                     |                           |                              | ???                | IDC           |  |
| 30 | CJK Syms. & Punct.                  | Hiragana                  |                              | Katakana           |               |  |
| 31 | Bopomofo                            | Hangul Compatibility Jamo | M                            | Ext.Bpmf.          | ???           |  |
| 32 | Enclosed CJK Letters & Months       |                           |                              |                    |               |  |
| 33 | CJK Compatibility                   |                           |                              |                    |               |  |
| 34 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 35 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 36 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 37 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 38 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 39 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 3A | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 3B | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 3C | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 3D | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 3E | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 3F | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 40 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 41 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 42 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 43 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 44 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 45 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 46 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 47 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 48 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 49 | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 4A | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 4B | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 4C | CJK Unified Ideographs Extension A  |                           |                              |                    |               |  |
| 4D | CJK Unified Ideographs Extension A  |                           |                              | (Yijing Hexagrams) |               |  |
| 4E | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 4F | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 50 | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 51 | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 52 | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 53 | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 54 | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 55 | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 56 | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 57 | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 58 | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 59 | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 5A | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 5B | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 5C | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 5D | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 5E | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 5F | CJK Unified Ideographs              |                           |                              |                    |               |  |
| 60 | CJK Unified Ideographs              |                           |                              |                    |               |  |

|    |                        |
|----|------------------------|
| 61 | CJK Unified Ideographs |
| 62 | CJK Unified Ideographs |
| 63 | CJK Unified Ideographs |
| 64 | CJK Unified Ideographs |
| 65 | CJK Unified Ideographs |
| 66 | CJK Unified Ideographs |
| 67 | CJK Unified Ideographs |
| 68 | CJK Unified Ideographs |
| 69 | CJK Unified Ideographs |
| 6A | CJK Unified Ideographs |
| 6B | CJK Unified Ideographs |
| 6C | CJK Unified Ideographs |
| 6D | CJK Unified Ideographs |
| 6E | CJK Unified Ideographs |
| 6F | CJK Unified Ideographs |
| 70 | CJK Unified Ideographs |
| 71 | CJK Unified Ideographs |
| 72 | CJK Unified Ideographs |
| 73 | CJK Unified Ideographs |
| 74 | CJK Unified Ideographs |
| 75 | CJK Unified Ideographs |
| 76 | CJK Unified Ideographs |
| 77 | CJK Unified Ideographs |
| 78 | CJK Unified Ideographs |
| 79 | CJK Unified Ideographs |
| 7A | CJK Unified Ideographs |
| 7B | CJK Unified Ideographs |
| 7C | CJK Unified Ideographs |
| 7D | CJK Unified Ideographs |
| 7E | CJK Unified Ideographs |
| 7F | CJK Unified Ideographs |
| 80 | CJK Unified Ideographs |
| 81 | CJK Unified Ideographs |
| 82 | CJK Unified Ideographs |
| 83 | CJK Unified Ideographs |
| 84 | CJK Unified Ideographs |
| 85 | CJK Unified Ideographs |
| 86 | CJK Unified Ideographs |
| 87 | CJK Unified Ideographs |
| 88 | CJK Unified Ideographs |
| 89 | CJK Unified Ideographs |
| 8A | CJK Unified Ideographs |
| 8B | CJK Unified Ideographs |
| 8C | CJK Unified Ideographs |
| 8D | CJK Unified Ideographs |
| 8E | CJK Unified Ideographs |
| 8F | CJK Unified Ideographs |
| 90 | CJK Unified Ideographs |
| 91 | CJK Unified Ideographs |
| 92 | CJK Unified Ideographs |
| 93 | CJK Unified Ideographs |
| 94 | CJK Unified Ideographs |
| 95 | CJK Unified Ideographs |
| 96 | CJK Unified Ideographs |
| 97 | CJK Unified Ideographs |
| 98 | CJK Unified Ideographs |
| 99 | CJK Unified Ideographs |
| 9A | CJK Unified Ideographs |
| 9B | CJK Unified Ideographs |
| 9C | CJK Unified Ideographs |
| 9D | CJK Unified Ideographs |

|    |                          |     |     |     |             |             |     |     |     |     |
|----|--------------------------|-----|-----|-----|-------------|-------------|-----|-----|-----|-----|
| 9E | CJK Unified Ideographs   |     |     |     |             |             |     |     |     |     |
| 9F | CJK Unified Ideographs   |     |     |     |             |             |     |     |     |     |
| A0 | Yi                       |     |     |     |             |             |     |     |     |     |
| A1 | Yi                       |     |     |     |             |             |     |     |     |     |
| A2 | Yi                       |     |     |     |             |             |     |     |     |     |
| A3 | Yi                       |     |     |     |             |             |     |     |     |     |
| A4 | Yi                       |     |     |     | Yi Radicals |             | ??? | ??? | ??? | ??? |
| A5 | ¿Yi Extensions?          |     |     |     |             |             |     |     |     |     |
| A6 | ¿Yi Extensions?          |     |     |     |             |             |     |     |     |     |
| A7 | ¿Yi Extensions?          | ??? | ??? | ??? | ???         | ???         | ??? | ??? | ??? |     |
| A8 | ???                      |     |     |     |             |             |     |     |     |     |
| A9 | ¿Pahawh Hmong?           | ??? | ??? | ??? | ???         | ¿Chakma?    | ??? | ??? | ??? |     |
| AA | ¿Newari?                 |     |     | ??? | ???         | ¿Siddham?   | ??? | ??? | ??? |     |
| AB | ¿Saurashtra?             |     |     | ??? | ???         | ¿'Phags-pa? | ??? | ??? | ??? |     |
| AC | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| AD | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| AE | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| AF | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| B0 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| B1 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| B2 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| B3 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| B4 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| B5 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| B6 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| B7 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| B8 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| B9 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| BA | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| BB | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| BC | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| BD | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| BE | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| BF | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| C0 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| C1 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| C2 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| C3 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| C4 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| C5 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| C6 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| C7 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| C8 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| C9 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| CA | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| CB | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| CC | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| CD | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| CE | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| CF | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| D0 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| D1 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| D2 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| D3 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| D4 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| D5 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| D6 | Hangul Syllables         |     |     |     |             |             |     |     |     |     |
| D7 | Hangul Syllables         |     |     |     | ???         | ???         | ??? | ??? | ??? |     |
| D8 | High-half zone of UTF-16 |     |     |     |             |             |     |     |     |     |
| D9 | High-half zone of UTF-16 |     |     |     |             |             |     |     |     |     |
| DA | High-half zone of UTF-16 |     |     |     |             |             |     |     |     |     |

|    |                              |                             |  |
|----|------------------------------|-----------------------------|--|
| DB | High-half zone of UTF-16     |                             |  |
| DC | Low-half zone of UTF-16      |                             |  |
| DD | Low-half zone of UTF-16      |                             |  |
| DE | Low-half zone of UTF-16      |                             |  |
| DF | Low-half zone of UTF-16      |                             |  |
| E0 | Private Use Zone             |                             |  |
| E1 | Private Use Zone             |                             |  |
| E2 | Private Use Zone             |                             |  |
| E3 | Private Use Zone             |                             |  |
| E4 | Private Use Zone             |                             |  |
| E5 | Private Use Zone             |                             |  |
| E6 | Private Use Zone             |                             |  |
| E7 | Private Use Zone             |                             |  |
| E8 | Private Use Zone             |                             |  |
| E9 | Private Use Zone             |                             |  |
| EA | Private Use Zone             |                             |  |
| EB | Private Use Zone             |                             |  |
| EC | Private Use Zone             |                             |  |
| ED | Private Use Zone             |                             |  |
| EE | Private Use Zone             |                             |  |
| EF | Private Use Zone             |                             |  |
| F0 | Private Use Zone             |                             |  |
| F1 | Private Use Zone             |                             |  |
| F2 | Private Use Zone             |                             |  |
| F3 | Private Use Zone             |                             |  |
| F4 | Private Use Zone             |                             |  |
| F5 | Private Use Zone             |                             |  |
| F6 | Private Use Zone             |                             |  |
| F7 | Private Use Zone             |                             |  |
| F8 | Private Use Zone             |                             |  |
| F9 | CJK Compatibility Ideographs |                             |  |
| FA | CJK Compatibility Ideographs |                             |  |
| FB | Alphabetic Pres. Forms       | Arabic Presentation Forms A |  |
| FC | Arabic Presentation Forms A  |                             |  |
| FD | Arabic Presentation Forms A  |                             | APF-A  |
| FE | Vars.                        | ???                         | Half CJKcomp Small Arabic Presentation Forms B |
| FF | Halfwidth & Fullwidth Forms  |                             | Sp.  |

### Presentation conventions

- **Bold text** indicates an allocated (that is, published) character collection. There is a link to the charts on the Unicode web site.
- **(Bold text between parentheses)** indicates scripts which have been formally accepted by UTC or WG2 for processing toward inclusion in the standard. There is generally a link to a mature proposal for the script.
- **(Text between parentheses)** indicates scripts for which proposals have been formally submitted to the UTC or to WG2. There is generally a link to the formal proposal.
- **¿Text between question marks?** indicates scripts for which detailed proposals have not yet been written. There may be a link to an exploratory code table.
- **???** in a block indicates that no suggestion has been made regarding the block allocation.

NOTE: When scripts are actually proposed to the UTC or to WG2, the practice is to "front" them in the zones to which they are tentatively allocated, and to adjust the block size with regard to the allocation proposed.

The size and location of the unallocated script blocks are merely proposals based on the current state of planning. The size and location of a script may change during final allocation of the script.

NOTE: As far as is possible, half-row (128) and surrogate block (4096) boundaries are observed in planning. This means that scripts do not cross these boundaries where possible.

Areas containing RTL scripts, as well as the Surrogates Zone and the Private Use Zone are shaded grey here informatively.

The Roadmap Committee maintains and updates this document as a service to the Unicode Technical Committee and to ISO/IEC JTC1/SC2/WG2.

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Last updated: - Sunday 4 May 2003 14:38:45