Universal Multiple-Octet Coded Character Set
(UCS)

Source:	WG 2 meeting 44, Mountain View, CA, USA; 2003-10-20/23
Title:	Resolutions of WG 2 meeting 44
Action:	For approval by SC 2 and for information to WG 2 and WG 3
Status:	Adopted at meeting 44 of WG 2
Distribution:	ISO/IEC JTC 1/SC 2 and WG 2

Experts from Canada, China, Ireland, Japan, Republic of Korea, the Unicode Consortium (liaison) and the USA were present when the following resolutions were adopted. Thirty one (**31**) delegates representing six (**6**) national bodies, three (**3**) liaison organizations and eight (**8**) guests attended the meeting (see attached attendance list).

RESOLUTION M44.1 (New Blocks – Scripts and Script Extensions):

Unanimous

WG2 resolves to add the following new blocks and new scripts or extensions to existing scripts as detailed below:

a. With reference to document N2636 on Coptic script, a new block named "Coptic" in the range 2C80-2CCF, with 59 characters in code positions ending at 2CB0, with their names and glyphs from pages 38-39 in document N2623R, including 2CBC COPTIC SYMBOL KHI RO and its glyph from document N2636, and an empty column CC for future additions. See consolidated chart and names list on pages 46-47 in document N2676.

b. With reference to document N2610R on Glogolitic script, a new block named "Glagolitic" in the range 2C00-2C5F, with 94 characters in code positions ending at 2C5E with their names and glyphs from pages 35-37 in document N2623R. See consolidated chart and names list on pages 43-45 in document N2676.

c. With reference to document N2608R2 on additional Georgian characters, a new block named "Georgian Supplement" in the range 2D00-2D2F, with 38 characters in code positions 2D00-2D25 with their names and glyphs from page 40 in document N2623R See consolidated chart and names list on page 48 in document N2676.

d. With reference to document N2633R on Lontara (Buginese) script, a new block named "Buginese" in the range 1A00-1A1F, with 30 characters in code positions ending at 1A1F, with their names and glyphs from page 21 in document N2623R with the following changes - delete 1A18 - Sign YI and 1A1D - Virama; Move up 1A19-1A1C; leaving 1A1C and 1A1D unused. See consolidated chart and names list on page 24 in document N2676.

e. With reference to document N2634 on Tai Lue script, a new block named "Tai Lue" in the range 1980-19DF, with 80 characters in code positions ending at 19DF with their names and glyphs from pages 8-9 in document N2634 page 8 with the following changes - move Sign IY to after Sign UEY; move up the rearranged set from Sign UY to Sign IY by one position; change in names of 19DE – 'AND' to 'LE'; 19DF – 'RESULTATIVE' to 'LEW'. Some of these characters are combining characters. The project editor is to ensure explicit mention the Chinese name XISHUANG BANNA DAI for the script in the amendment text. See consolidated chart and names list on pages 22-23 in document N2676.

f. With reference to document N2612-1 on New Testament editorial characters, a new block named "Supplemental Punctuation" in the range 2E00-2E7F, with 13 characters in code positions 2E00-2E0C with their names and glyphs from pages 5-6 in document N2612-1. See consolidated chart and names list on pages 49-50 in document N2676.

g. With reference to document N2612-2 on Greek numerical characters, a new block named "Ancient Greek Numbers" in the range 10140-1018F, with 21 characters in code positions 10175-10189 with their names and glyphs from pages 45-46 in document N2623R. See consolidated chart and names list on pages 55-57 in document N2676.

h. With reference to document N2642 on additional Greek editorial and punctuation characters, a new block named "Combining Diacritical Marks Supplement" in the range 1DC0-1DFF, with the 2 characters 1DC0 COMBINING DOTTED GRAVE ACCENT and 1DC1 COMBINING DOTTED ACUTE ACCENT, with their glyphs from document N2642. See consolidated chart and names list on pages 27-28 in document N2676.

i. With reference to document N2583R on Old Persian script, a new block named "Old Persian" in the range 103A0-103DF, with 50 characters in code positions ending at 103D5 with their names and glyphs from pages 5-6 in document   See consolidated chart and names list on pages 58-59 in document N2676.

j. With reference to document N2524 on Kharoshthi script, a new block named "Kharoshthi" in the range 10A00-10A5F, with 65 characters in code positions ending at 10A58 with their names and glyphs on pages 51-52 in document N2623R, with corrected spellings for names of 10A57. Some characters in this set are combining characters. 103AF, the VIRAMA character is an Alternate Format Character. See consolidated chart and names list on pages 60-61 in document N2676.

k. With reference to document N2547 on ancient Greek musical symbols, a new block named "Ancient Greek Musical Notation" in the range 1D200-1D24F, with characters in code positions 1D200-1D245 with their names and glyphs from pages 53-54 in N2623R. Some characters in this set are combining characters. See consolidated chart and names list on pages 62-63 in document N2676.

RESOLUTION M44.2 (Arabic Supplement):

No: China
Yes: Canada, Ireland, Japan, Republic of Korea, the Unicode Consortium (liaison) and the USA
With reference to document N2598R2 on additional Arabic characters, WG 2 resolves to create a new block named "Arabic Supplement" in the range 0750-077F, and populate it with 26 characters in code positions 0750-0769 with names and glyphs shown on pages 13-14 in document N2623R; some of these characters are right-to-left characters. See consolidated chart and names list on pages 14-15 in document N2676.

RESOLUTION M44.3 (Syloti Nagri script):

No: China
Yes: Canada, Ireland, Japan, Republic of Korea, the Unicode Consortium (liaison) and the USA
With reference to document N2591 on Syloti Nagri script, WG 2 resolves to create a new block named "Syloti Nagri" in the range A800-A82F, and populate it with 44 characters in code positions A800-A82B with the names and glyphs given on page 51 of document N2591. Some of these characters are combining characters. See consolidated chart and names list on page 51 in document N2676.

RESOLUTION M44.4 (Phags-Pa script):

No: China
Yes: Canada, Ireland, Japan, Republic of Korea, the Unicode Consortium (liaison) and the USA
With reference to document N2622 on Phags-Pa script, WG 2 resolves to create a new block named "Phags-Pa" in the range A840-A87F (block start changed to A840 from AB80 proposed in document N2622), and populate it with 52 characters in code positions A840-A873 with the names and glyphs from table 1 in document N2622. Document N2666 will also be used as a basis for creating the amendment text. See consolidated chart and names list on pages 52-54 in document N2676.

RESOLUTION M44.5 (Additions of individual characters):

<div align="right">**Unanimous**</div>

WG 2 resolves to add the following characters in different blocks:

a. With reference to pages 8-9 in document N2610R on Glagolitic script, 3 characters with modified names in the "General punctuation" block:
    2056 THREE DOT PUNCTUATION
    2058 FOUR DOT PUNCTUATION
    2059 FIVE DOT PUNCTUATION
    with their glyphs from document N2610R. See consolidated chart and names list on pages 29-30 in document N2676.

b. With reference to document N2608R2 on Georgian script, 3 characters in the "Georgian" block:
    10F9 GEORGIAN LETTER TURNED GAN
    10FA GEORGIAN LETTER AIN
    10FC MODIFIER LETTER GEORGIAN NAR
    with their glyphs from page 19 in document N2623R. See consolidated chart and names list on pages 21-22 in document N2676.

c. With reference to pages 4-5 of document N2598 on additional Arabic-script characters, 4 characters in the "Arabic" block:
    061E ARABIC TRIPLE DOT PUNCTUATION
    065A ARABIC VOWEL SIGN SMALL V ABOVE
    065B ARABIC VOWEL SIGN INVERTED SMALL V ABOVE
    065C ARABIC VOWEL SIGN DOT BELOW
    with their glyphs from page 11 in document N2623R. Some of these characters are combining characters. They are right-to-left characters. See consolidated chart and names list on pages 12-13 in document N2676.

d. With reference to document N2597 on combining Zigzag above, 1 character in the "Combining Diacritical Marks" block:
    035B COMBINING ZIGZAG ABOVE
    with its glyph from page 5 in document N2623R. This character is a combining character. See consolidated chart and names list on pages 6-7 in document N2676.

e. With reference to document N2594 on combining double breve below (also in document N2642), 1 character in the "Combining Diacritical Marks" block:
    035C COMBINING DOUBLE BREVE BELOW
    with its glyph from page 5 in document N2623R. This character is a combining character. See consolidated chart and names list on pages 6-7 in document N2676.

f. With reference to Flower Punctuation Mark on page 5 in document N2591 on Syloti Nagri script, 1 character in the "General Punctuation" block:
    2055 FLOWER PUNCTUATION MARK
    with its glyph from page 5 in document N2591. See consolidated chart and names list on pages 29-30 in document N2676.

g. With reference to document N2590 on additional mathematical and letter-like characters:

    - 1 character, moved from 0358 in the proposal to 20EB, in the "Combining Diacritical Marks for Symbols " block:
        20EB COMBINING LONG DOUBLE SOLIDUS OVERLAY
        with its glyph from page 2 in document N2590. See consolidated chart and names list on Page 32 in document N2676.

    - 1 character in the "Miscellaneous Mathematical Symbols-A " block:
        27C2 PERPENDICULAR
        with its glyph from page 2 in document N2590. See consolidated chart and names list on pages 39-40 in document N2676.

- 2 characters in the "Letter-Like Symbols " block:
  213C DOBLE STRUCK PI;   214C PER SIGN
   with their glyphs from pages 2-3 in document N2590. See consolidated chart and names list on pages 33-34 in document N2676.

- 1 character in the "Latin Extended-B" block:
  0237 LATIN SMALL LETTER DOTLESS J
  with its glyph from page 2 in document N2590. See consolidated chart and names list on pages 4-5 in document N2676.

- 2 characters with modified names in the "Mathematical Alphanumeric Symbols" block:
  1D6A4 MATHEMATICAL ITALIC SMALL DOTLESS I
  1D6A5 MATHEMATICAL ITALIC SMALL DOTLESS J
  with their glyphs from pages 2-3 in document N2590. See consolidated chart and names list on pages 66-67 in document N2676.

h. With reference to document N2663 on symbols for genealogy and gender studies, 16 characters excluding the Battle Sign and with changed code positions in the "Miscellaneous Symbols" block:
  26A2 DOUBLED FEMALE SIGN   26A3 DOUBLED MALE SIGN
  26A4 INTERLOCKED FEMALE AND MALE SIGN
  26A5 MALE AND FEMALE SIGN   26A6 MALE WITH STROKE SIGN
  26A7 MALE WITH STROKE AND MALE AND FEMALE SIGN
  26A8 VERTICAL MALE WITH STROKE SIGN
  26A9 HORIZONTAL MALE WITH STROKE SIGN
  26AA MEDIUM WHITE CIRCLE   26AB MEDIUM BLACK CIRCLE
  26AC MEDIUM SMALL WHITE CIRCLE   26AD MARRIAGE SYMBOL
  26AE DIVORCE SYMBOL   26AF UNMARRIED PARTNERSHIP SYMBOL
  26B0 COFFIN   26B1 FUNERAL URN
  with their glyphs from page 2 in document N2663. See consolidated chart and names list on pages 37-38 in document N2676.

i. With reference to document N2586R on five miscellaneous symbols, 5 characters in the "Miscellaneous Symbols" block:
  2618 SHAMROCK   267E PERMANENT PAPER SIGN   267F WHEELCHAIR SYMBOL
  269B ATOM SYMBOL   269C FLEUR-DE-LIS
  with their glyphs from pages 29-30 in document N2623R. See consolidated chart and names list on pages 37-38 in document N2676.

j. With reference to document N2581R2 on Arabic Zwarakay character, 1 character in the "Arabic" block:
  0659 ARABIC ZWARAKAY
  with its glyph from page 2 in document 2581R2. This character is a combining character. See consolidated chart and names list on pages 12-13 in document N2676.

k. With reference to document N2579 on Guarani and Austral signs, 2 characters in the "Currency Symbols" block:
  20B2 GUARANI SIGN;   20B3 AUSTRAL SIGN
  with their glyphs from page 1 of document N2579. See consolidated chart and names list on page 31 in document N2676.

l. With reference to document N2617 on Tamil Letter Sha, 1 character in the "Tamil" block
  0BB6 TAMIL LETTER SHA
  with its glyph from page 17 in document N2623R. See consolidated chart and names list on pages 18-19 in document N2676.

m. With reference to document N2627 on Marwari character Lam with Bar, 1 character in the "Arabic Supplement" block:
  076A ARABIC LETTER LAM WITH BAR
  with its glyph from page 3 in document N2627. This character is a right-to-left character. See consolidated chart and names list on pages 14-15 in document N2676.

n. With reference to document N2629 on horizontal arrows with vertical tips, 4 characters in the "Miscellaneous Symbols and Arrows" block:

    2B0E RIGHTWARDS ARROW WITH TIP DOWNWARDS
    2B0F RIGHTWARDS ARROW WITH TIP UPWARDS
    2B10 LEFTWARDS ARROW WITH TIP DOWNWARDS
    2B11 LEFTWARDS ARROW WITH TIP UPWARDS

with their glyphs in page 34 of document N2623R corrected by swapping the shapes for Leftwards and Rightwards characters. See consolidated chart and names list on pages 41-42 in document N2676.

o. With reference to discussion on New Testament editorial characters in document N2612-1 (see document N2675), 1 character in the Supplemental Punctuation" block:

    2E0D RAISED SMALL DIAGONAL LOWER LEFT TO UPPER RIGHT

with a glyph that is a mirrored version of the glyph of 2E0C from document N2512-1. See consolidated chart and names list on pages 49-50 in document N2676.

p. With reference to document N2612-3 on ancient Greek numbers, 53 characters in the new "Ancient Greek Numbers" block in the range "10140-1018F", at code positions 10140 to 10174 with their names and glyphs as shown on pages 46-47 in document N2623R. See consolidated chart and names list on pages 55-56 in document N2676.

q. With reference to document N2632 on phonetic characters with middle tilde, 11 characters in the "Phonetic Extensions" block:

    1D6C LATIN SMALL LETTER B WITH MIDDLE TILDE
    1D6D LATIN SMALL LETTER D WITH MIDDLE TILDE
    1D6E LATIN SMALL LETTER F WITH MIDDLE TILDE
    1D6F LATIN SMALL LETTER M WITH MIDDLE TILDE
    1D70 LATIN SMALL LETTER N WITH MIDDLE TILDE
    1D71 LATIN SMALL LETTER P WITH MIDDLE TILDE
    1D72 LATIN SMALL LETTER R WITH MIDDLE TILDE
    1D73 LATIN SMALL LETTER R WITH FISHHOOK AND MIDDLE TILDE
    1D74 LATIN SMALL LETTER S WITH MIDDLE TILDE
    1D75 LATIN SMALL LETTER T WITH MIDDLE TILDE
    1D76 LATIN SMALL LETTER Z WITH MIDDLE TILDE

with their glyphs from page 22 in document. Document N2665 will also be used as a basis for creating the Amendment text. See consolidated chart and names list on pages 25-26 in document N2676.

r. With reference to document N2612-4 on combining asterisk below, 1 character in the "Combining Diacritical Marks" block:

    0359 COMBINING ASTERISK BELOW

with its glyph from page 5 in document N2623R. See consolidated chart and names list on pages 6-7 in document N2676.

s. With reference to document N2612-5 on Greek rho with stroke symbol, 1 character in the "Greek and Coptic" block:

    03FC GREEK RHO WITH STROKE SYMBOL

with its glyph from page 7 in document N2623R. See consolidated chart and names list on pages 8-9 in document N2676.

t. With reference to document N2612-6 on two ancient Greek mathematical characters, 2 characters in the "Miscellaneous Mathematical Symbols-A" block{

    27C0 THREE DIMENSIONAL ANGLE
    27C1 WHITE TRIANGLE CONTAINING SMALL WHITE TRIANGLE

with their glyphs from page 31 in document N2623R. See consolidated chart and names list on pages 39-40 in document N2676.

u. With reference to document N2612-7 on three additional punctuation characters, 3 characters with new names and code positions in the "General Punctuation" block:
205A TWO DOT PUNCTUATION
205B FOUR DOT MARK
205C DOTTED CROSS
with their glyphs from the last page of document 2612-7. See consolidated chart and names list on pages 29-30 in document N2676.

v. With reference to document N2640 on Afghani sign, 1 characters in the "Arabic" block:
060B AFGHANI SIGN
with its glyph from page 1 of document N2640. This character is a right-to-left character. See consolidated chart and names list on pages 12-13 in document N2676.

w. With reference to document N2647 on double oblique hyphen, unified with Coptic Double Hyphen from document N2636, 1 character in the "Supplemental Punctuation" block:
2E17 DOUBLE OBLIQUE HYPHEN
with its glyph from document Glyph B on page 1 in document N2647. See consolidated chart and names list on pages 49-50 in document N2676.

x. With reference to document N2641 on one Irish phonetic letter, 1 character in the "Phonetic Extensions" block:
1D79 LATIN SMALL LETTER INSULAR G
with its glyph from page 1 in document N2641. See consolidated chart and names list on pages 27-28 in document N2676.

y. With reference to document N2645 on 'th' with strikethrough, 1 character in the "Latin Extended-B" block:
0238 LATIN SMALL LETTER TH WITH STRIKETHROUGH
with its glyph from document N2645. See consolidated chart and names list on pages 4-5 in document N2676.

z. With reference to document N2642 on additional Greek editorial and punctuation characters:

- 4 characters in the "Supplemental Punctuation" block:
  2E0E EDITORIAL CORONIS   2E0F PARAGRAPHOS
  2E10 FORKED PARAGRAPHOS   2E11 REVERSED FORKED PARAGRAPHOS
  with their glyphs from document N2642. See consolidated chart and names list on pages 49-50 in document N2676.

- 1 character in the "General Punctuation" block:
  205D TRICOLON
  with its glyph from document N2642. See consolidated chart and names list on pages 29-30 in document N2676.

- 5 characters in the "Supplemental Punctuation" block, in code positions moved down by one:
  2E12 HYPODIASTOLE 2E13 DOTTED OBELOS
  2E14 DOWNWARDS ANCORA 2E15-UPWARDS ANCORA
  2E16 DOTTED RIGHT-POINTING ANGLE
  with their glyphs from document N2642. See consolidated chart and names list on pages 49-50 in document N2676.

- 3 characters in the "Greek and Coptic" block:
  03FD REVERSED GREEK CAPITAL LUNATE SIGMA SYMBOL
  03FE-DOTTED GREEK CAPITAL LUNATE SIGMA SYMBOL
  03FF-REVERSED DOTTED GREEK CAPITAL LUNATE SIGMA SYMBOL
  with their glyphs from document N2642. See consolidated chart and names list on pages 8-9 in document N2676.

aa. With reference to document N2546 on Greek metrical symbols, 9 characters, moved from 2692-269A in document N2632R to 23D1-23D9, in the "Miscellaneous Technical " block:
  23D1 METRICAL BREVE   23D2 METRICAL LONG OVER SHORT
  23D3 METRICAL SHORT OVER LONG 23D4 METRICAL LONG OVER TWO SHORTS
  23D5 METRICAL TWO SHORTS OVER LONG 23D6 METRICAL TWO SHORTS JOINED
  23D7 METRICAL TRISEME   23D8 METRICAL TETRASEME
  23D9 METRICAL PENTASEME
  with the glyphs for 2692—269A on page 29 in N2632R page 29. See consolidated chart and names list on pages 35-36 in document N2676.

bb. With reference to document N2543 on Devanagari Glottal Stop, 1 character in the "Devanagari" block:
  097D DEVANAGARI GLOTTAL STOP
  with the glyph without the top bar from page 15. See consolidated chart and names list on pages 17-18 in document N2676.

cc. With reference to document N2655 on symbols used in dictionaries

  - 9 characters with new code positions in the "Miscellaneous Symbols" block:
    2692 HAMMER AND CHISEL   2693-ANCHOR
    2694 CROSSED SWORDS   2695-ROD OF AESCLEPIUS
    2696 SCALES   2697 ALEMBIC
    2698 FLOWER   2699   GEAR
    269A STAFF OF HERMES
    with their glyphs in the table on page 9 of document N2655. See consolidated chart and names list on pages 37-38 in document N2676.

  - 1 character with a new code position in the "General Punctuation" block:
    205E VERTICAL FOUR DOTS
    with its glyph from table on page 10 of document N2655. See consolidated chart and names list on pages 29-30 in document N2676.

  - 2 characters in the "Miscellaneous Symbols and Arrows" block:
    2B12 SQUARE WITH TOP HALF BLACK
    2B13 SQUARE WITH BOTTOM HALF BLACK
    with their glyphs from page 10 of document N2655. See consolidated chart and names list on pages 41-42 in document N2676.

RESOLUTION M44.6 (Clarification text for Variation Selectors):

Unanimous

With reference to discussion on Latin Variation Selectors in document N2593 from DIN, WG 2 instructs its project editor to add appropriate text in the next amendment to the standard to clarify that Variation Selectors apply only to Base characters.

RESOLUTION M44.7 (Unified CJK Ideographs in CJK Compatibility block):

Unanimous

WG2 instructs IRG to investigate the many missing source references for CJK Unified Ideographs located in the CJK Compatibility block (listed on top of page 2 in document N2667, under item 2a), and provide the missing source references for inclusion in CJKU_Sr.txt file to the project editor before 2003-12-15. The project editor is instructed to include these as part of the next amendment to the standard.

RESOLUTION M44.8 (CJK Source Reference Corrections):

Unanimous

With reference to CJK ideograph source reference corrections reported in document N2667, WG 2 accepts the following proposed corrections:

   a. Change reference file for information for 04443, 04695, 058F3, 09376, and 04D56 (reference item 2a) in CJKU_SR.txt file.

   b. Remove the JPN references for 041B4, 0517B and 08980 in CJKU_SR.txt file.

   c. Remove HKSCS reference for 8728, and add the missing (approximately 3270) HKSCS-2001 references to the CJKU_SR.txt file.

   d. Correct the HKSCS references for 23FF0 and 25D20 after cross-checking with the glyphs for these in the HKSCS-2001 source document in CJKU_SR.txt file

   e. Add the HKSCS Compatibility Ideograph source references in CJKC_SR.txt file for F907, 2F825, 2F83B, 2F878, 2F8A6, and 2F9BC.

RESOLUTION M44.9 (K4 Source reference corrections):

Unanimous

With reference to the six erroneous K source information in CJKU_SR.txt file reported in document N2667, WG 2 resolves to remove the suspect K4 references for 03614, 03B20, 05579, 05C21, 06725, and 06DA4, unless Republic of Korea provides the corrected K4 entries in hexadecimal format and the correct Glyphs for these to the project editor before 2003-12-15.

Further, WG 2 accepts the recommendation to change the appropriate K4 decimal indices to the corresponding K4 hexadecimal notation (per 1st bullet in document N2667) and to add a note to clarify the relationship between the original K4 decimal index and the hexadecimal notation (per 3rd bullet in document N2667) used in the standard.

RESOLUTION M44.10 (Processing of Amd 1 to 10646: 2003):

Unanimous

WG 2 requests SC2 to approve a project subdivision for Amendment no. 1 to ISO/IEC 10646: 2003, with the scope of encoding the approved scripts and characters and error-corrective actions, accepted in resolutions M44.1 through M44.57 above. Document N2676 contains the summary in the form of charts showing code positions and character names proposed for inclusion in this amendment. The completion schedule is PDAM-1 2004/05; FPDAM-1 2005/02; FDAM-1 2005-08.

WG 2 instructs its editor to prepare the text of PDAM-1 to ISO/IEC 10646:2003 incorporating the above characters and submit it to SC2 for further processing to meet the above target dates.

RESOLUTION M44.11 (IPA Extensions from China):

Unanimous

With reference to document N2626 on IPA extensions, the Chinese national body is invited to submit a revised document reflecting the comments from documents N2646, N2673, the IPA handbook and the IPA ad hoc group discussion during this meeting, as part of response to the ballot on the next draft amendment to the standard.

RESOLUTION M44.12 (Combining Right Dot Above):

Unanimous

With reference to document N2628 and related comment on that document, the Taiwan Computer Association is invited to provide clarification response to the concerns raised in document N2669. The proposal for COMBINING RIGHT DOT ABOVE can be submitted as part of response to ballot on the next draft amendment to the standard.

RESOLUTION M44.13 (SC 2 scope and 14651 transfer):

Unanimous

With reference to documents ballot results in N2616 and N2658 on transferring of ISO/IEC 14651 from SC22 to SC2, WG 2 notes that the ballots to transfer the project to SC 2 have been approved by the respective SCs. In anticipation of the above transfer, WG 2 proposes that SC 2 adopt the following modified scope for SC2, which includes the phrase "including String Ordering" in it:

> "Standardization of graphic character sets and their characteristics, *including string ordering*, associated control functions, ~~their~~ coded representation *of characters* for information interchange and code extension techniques. Excluded: audio and picture coding."

SC2 is further requested to relay the above to JTC 1 at its next plenary in November 2003.

RESOLUTION M44.14 (Future assignment of 14651 within SC 2):

Abstention: Canada
Yes: China, Ireland, Japan, Republic of Korea, the Unicode Consortium (liaison) and the USA

With reference to the anticipated transfer of ISO/IEC 14651 to SC 2 from SC 22, it is the considered opinion of WG 2 that due to the close relationship between the ISO/IEC 10646 and ISO/IEC 14651, the best home for 14651 in SC 2 is within WG 2, and requests SC 2 to assign the project to WG 2, with a corresponding expansion of the title of WG 2 to say "Multiple-octet codes *and string ordering".*

RESOLUTION M44.15 (ISO 15924 RA-JAC):

Unanimous

With reference to call for nomination of WG 2 experts in document N2582, WG 2 nominates and requests SC 2 to approve the nomination of Dr. Ken Whistler and Mr. Rick McGowan as SC 2 representatives to the Registration Authority's Joint Advisory Committee for ISO 15924.

RESOLUTION M44.16 (Names for USIs):

Unanimous

With reference to document N2589, WG2 accepts the request for providing standardized names for entities represented as USIs, and invites the US national body to provide a more detailed proposal based on discussions at meeting M44 for consideration at the next WG 2 meeting.

RESOLUTION M44.17 (IRG Action Items):

Unanimous

WG2 instructs IRG to review and report to the next WG 2 meeting on the following:

a. Defects on Duplicate Encoded CJK Forms reported in document N2644.

b. Input on Basic International CJK subset in document N2649.

c. item 1 – Clarification - in document N2667, for each of the eight dictionary entries, extract from the SuperCJK database additional information in the format (such as ddddd.ddd for HYD) identified in the Editor's Note on page 2 in document SC2 N3673 (FPDAM-1 to 10646-2), and prepare input suitable for adding to the CJKU_SR.txt file, for consideration at the next WG 2 meeting in June 2004.

d. On the characters that are reported as 'mapped from HKSCS-2001 to PUA zone' in the last paragraph on page 2 of document N2667 (CJK Ideograph source references corrections) – classifying them as candidates for CJK Unified Ideographs or CJK Compatibility Ideographs – so that they can be given a potential encoding in the non-PUA zone.

e. On the correct glyph to use for the characters 21E2D (G_4K source reference) and 21E45 (G_HZ source reference).

RESOLUTION M44.18 (Roadmap Snapshot):

No: China
Yes: Canada, Ireland, Japan, Republic of Korea, the Unicode Consortium (liaison) and the USA

WG2 accepts the snapshot of the latest roadmaps in document N2662R, updated reflecting the results of meeting M44, and requests SC2 to circulate it to national bodies and liaison organizations for referencing as a guide for future submissions replacing the previous snapshot document N2559.

RESOLUTION M44.19 (Principles and Procedures):

Unanimous

WG 2 accepts the revisions to the principles and procedures in document N2652, amended by the discussion at the meeting (to be consolidated as document N2652R), as replacement to document N2352R.

WG 2 further requests SC2 to adopt the revised Principles and Procedures document N2652R and the associated updated Proposal Summary Form and roadmap documents available on the WG 2 web site dkuug.dk/JTC1/SC2/WG 2, and to invite national bodies and liaison organizations to use these latest documents.

RESOLUTION M44.20 (Tibetan BrdaRten)

No: China
Yes: Canada, Ireland, Japan, Republic of Korea, the Unicode Consortium (liaison) and the USA

With reference to the revised proposal in document N2621 on Tibetan BrdaRten from China, WG 2 resolves not to encode the suggested list of characters in the standard based on the following:

a. All of the proposed characters can already be represented as sequences of existing encoded UCS characters, as shown explicitly in document N2624.

b. The addition of the proposed characters would thereby lead to normalization issues.

c. The addition of the proposed characters would also amount to a change in the overall encoding model for the Tibetan script, thereby destabilizing and introducing more complexity for existing implementations conformant to the standard.

Further.

a. WG 2 notes that the various implementation issues for BrdaRten Tibetan raised in documents N2621 and N2661 can be addressed in a variety of ways, involving dynamic conversion interfaces to existing legacy systems and other techniques suggested in document N2668.

b. WG 2 suggests that the list of BrdaRten Tibetan stacks enumerated in document N2621 might be appropriate for processing by WG 2 as additions to a potential future annex of named entities represented by USIs, rather than be encoded as individual characters.

c. WG 2 notes the issues on Tibetan script encoding and its implementation in document N2661, and invites WG 2 experts to work with Chinese experts to arrive at a satisfactory solution.

RESOLUTION M44.21 (Future meetings):

Unanimous

WG 2 meetings:
Meeting 45 -- 2004-06-21/24, Markham, Ontario, Canada; in conjunction with SC2 plenary meeting (2004-06-24/25)
Meeting 46 – 2005 – Late April or early May - (tentative), China (tentative)
Meeting 47 – 2006 April / May (tentative), Europe

RESOLUTION M44.22 (Appreciation to TLG):

By Acclamation

WG 2 thanks members of the Thesaurus Linguae Graecae Project, University of California, Irvine, for their valuable and well-researched contributions on Ancient Greek characters for inclusion in the standard.

RESOLUTION M44.23 (Appreciation to DKUUG for web services):

By Acclamation

WG 2 thanks DKUUG, in particular Mr. Keld Simonsen, for its continued support of the web site for WG 2 document distribution and the e-mail server.

RESOLUTION M44.24 (Appreciation):

By Acclamation

WG 2 thanks the hosts -- the US national body, the Unicode Consortium and Microsoft Corporation, and in particular Ms. Magda Danish, for hosting and providing the excellent meeting facilities and administrative support. WG2 also appreciates the kind hospitality extended by the Unicode Consortium.

Attendance List – Meeting 44

The following thirty one (**31**) delegates representing six (**6**) national bodies, three (**3**) liaison organizations and eight (**8**) guests attended the meeting.

Name	Representing	Affiliation
V. S. (Uma) Umamaheswaran	Canada; Recording Secretary	IBM Canada Ltd.
Ben Ba Gyaltso	China	Tibet University
Chen Zhuang	China Contributing Editor	Chinese Electronics Standardization Institute
Lobsang Tokme	China	Committee Office of Tibetan Languages
Ngodrup	China	Engineering College of Tibet University
Wang Qi	China	Department of Language Information Administration, Ministry of Education
Zhang Zhoucai	China; IRG Rapporteur Contributing Editor	UniHan Digital Technology Co. Ltd
Vladas Tumasonis	Guest, Lithuania	Vilnius University, Lithuania
Elżbieta Broma-Wrzesień	Guest, Poland	Telekomunikacja Polska, Poland
Christopher Walker	Guest, USA	University of Virginia
Eric Muller	Guest, USA	Adobe Systems, Inc.
Deborah Anderson	Guest, USA	University of California, Berkely, CA
Rick McGowan	Guest, USA	Unicode Inc.
Richard Cook	Guest, USA	University of California, Berkeley
Magda Danish	Host, The Unicode Consortium	Unicode Inc.
Michael Everson	Ireland; Contributing Editor	Everson Typography
Kazuhito OHMAKI	Japan	National Institute of Advanced Industrial Science and Technology
Shoichi SENDA	Japan	NTT Services Integration Laboratories
Hideki NAKADE	Japan	Mitsubishi Research Institute, Inc.
Tatsuo L. KOBAYASHI	Japan	Justsystem Corporation
Yasuhiro ANAN	Japan	Microsoft CTC
Asmus Freytag	Liaison - The Unicode Consortium; Contributing Editor	Unicode Inc.
Shih-Shyeng Tseng	Liaison, TCA	Academia Sinica Computing Centre
Pochung Chen	Liaison, TCA	University of California, Berkeley
Dae Hyuk Ahn	Republic of Korea	Microsoft Korea
Hideki Hiura	USA	Sun Microsystems Inc.
Lisa Moore	USA	IBM Corporation
Joan Aliprand	USA	RLG
Ken Whistler	USA; Contributing Editor; Convener – SC22/WG20	Sybase Inc.
Mike Ksar	USA; Convener	Microsoft Corporation
Michel Suignard	USA; Project Editor	Microsoft Corporation