RESOLUTION M48.1 (Latin phonetic and orthographic characters from M47):

Unanimous

With reference to documents N2945 on additional Latin phonetic and orthographic characters, WG2 accepts the following seven (7) Latin characters and five (5) Modifier Tone Letters, with their glyphs that are similar to those shown in document N2945, for inclusion in Amendment 3 to the standard:

- 2C6D LATIN CAPITAL LETTER ALPHA
- 2C6E LATIN CAPITAL LETTER M WITH HOOK
- 2C6F LATIN LETTER TRESILLO
- 2C70 LATIN LETTER CUATRILLO
- 2C71 LATIN SMALL LETTER V WITH RIGHT HOOK
- 2C72 LATIN CAPITAL LETTER W WITH HOOK
- 2C73 LATIN SMALL LETTER W WITH HOOK

in the Latin Extended-C block, and

- A71B MODIFIER LETTER RAISED UP ARROW
- A71C MODIFIER LETTER RAISED DOWN ARROW
- A71D MODIFIER LETTER RAISED EXCLAMATION MARK
- A71E MODIFIER LETTER RAISED INVERTED EXCLAMATION MARK
- A71F MODIFIER LETTER LOW INVERTED EXCLAMATION MARK

in the Modifier Tone Letters block.

RESOLUTION M48.2 (Changes to Mayanist characters):

Unanimous

With reference to document N3082, and in response to PDAM3 ballot comments in document N3071 from Ireland, UK and USA, regarding Mayanist characters, WG2 accepts the following:

a. Add two new characters to the Latin Extended-D block:
   - A726 LATIN CAPITAL LETTER HENG
   - A727 LATIN SMALL LETTER HENG
   with their glyphs that are similar to those shown in document N3082.

b. Replace the following two (2) caseless characters in Latin Extended-C block:
   - 2C6F LATIN LETTER TRESILLO
   - 2C70 LATIN LETTER CUATRILLO
   with the following eight (8) case-paired characters in Latin Extended-D block:
   - A728 LATIN CAPITAL LETTER TZ
   - A729 LATIN SMALL LETTER TZ
   - A72A LATIN CAPITAL LETTER TRESILLO
   - A72B LATIN SMALL LETTER TRESILLO
RESOLUTION M48.3 (Changes to Vai script):

With reference to document N3081 and Irish PDAM3 ballot comment T.3 in document N3071, WG2 accepts to replace the existing Vai block with the charts and names lists as shown in document N3059, which include the following changes:

a. extending the Vai block by 1 column to end at A62F
b. addition of the following fourteen (14) characters to the Vai block:
   Ten Vai Digits - Zero through Nine and Four new Vai syllables EEN, IN, OON and UN.

RESOLUTION M48.4 (Change name of one Saurashtra character):

With reference to document N3058 and Irish PDAM3 ballot comment T.4 in document N3071, WG2 accepts to change the name of A8B4 in the Saurashtra block:

from SAURASHTRA LETTER UPAKSHARA
to SAURASHTRA CONSONANT SIGN HAARU.

RESOLUTION M48.5 (PDAM3 Disposition of Comments):

WG2 accepts the disposition of comments on PDAM3 ballot in document N3098 and instructs its editor to prepare the final text of Amendment 3 incorporating the dispositions. The following are noted in particular:

a. Changes noted in resolution on 'changes to Mayanist characters'
b. Changes noted in resolution on 'changes to Vai script'
c. Correct the shape of new A555 VAI SYLLABLE KPAN
d. Change noted in resolution on 'change name of one Saurashtra character'

RESOLUTION M48.6 (Lycian script):

WG2 resolves to encode the Lycian script proposed in document N3019 in a new block 10280 -1029F in the SMP, named ‘Lycian’, and populate it with twenty nine (29) characters with the names, glyphs and code position assignments as shown on pages 10 and 11 in document N3019.

RESOLUTION M48.7 (Lydian script):

WG2 resolves to encode the Right-to-Left Lydian script proposed in document N3019 in a new block 10920 -1093F in the SMP, named ‘Lydian’, and populate it with twenty seven (27) characters with the names, glyphs and code position assignments as shown on pages 12 and 13 in document N3019.

RESOLUTION M48.8 (Carian script):

WG2 resolves to encode the Carian script proposed in document N3020 in a new block 102A0 -102DF in the SMP, named ‘Carian’, and populate it with forty nine (49) characters with the names, glyphs and code position assignments as shown on pages 12 and 13 in document N3020.
RESOLUTION M48.9 (Sundanese script):

WG2 resolves to encode the Sundanese script proposed in document N3022 in a new block 1B80 -1BBF in the BMP, named ‘Sundanese’, and populate it with fifty five (55) characters (some of which are combining) with the names, glyphs and code position assignments as shown on pages 7 and 8 in document N3022.

RESOLUTION M48.10 (Rejang script):

WG2 resolves to encode the Rejang script proposed in document N3096 in a new block A930 -A95F in the BMP, named ‘Rejang’, in a future amendment to the standard, and populate it with thirty seven (37) characters (some of which are combining) with the names (without the annotations), glyphs and code position assignments as shown on pages 5 and 6 in document N3096.

RESOLUTION M48.11 (Kayah Li script):

WG2 resolves to encode the Kayah Li script proposed in document N3038 in a new block A900 -A92F in the BMP, named 'Kayah Li', and populate it with forty eight (48) characters (some of which are combining) with the names, glyphs and code position assignments as shown on pages 7 and 8 in document N3038.

RESOLUTION M48.12 (CJK Strokes):

With reference to document N3063, WG2 accepts to encode twenty (20) additional characters in code positions 31D0 to 31E3 in the CJK Strokes block, with names, glyphs and code position assignments as shown on page 2 of document N3063.

RESOLUTION M48.13 (Phaistos disc symbols):

WG2 resolves to encode the Phaistos disc symbols proposed in document N3066 in a new block 101D0 -101FF in the SMP, named ‘Phaistos Disc’, and populate it with forty six (46) characters (one of which is combining) with the names, glyphs and code position assignments as shown on pages 14 and 15 (excluding two characters at 101FE and 101FF) in document N3066.

RESOLUTION M48.14 (108 Medievalist characters):

With reference to document N3027, WG2 accepts to encode the following in the standard:

a. Twenty six (26) characters in the Combining Diacritical Marks Supplement block from pages 52 and 53 (excluding 1DE4)

b. Nine (9) characters in the Latin Extended Additional block from pages 54 and 55; with the name change for 1E9F to LATIN SMALL LETTER DELTA

c. Seventy three (73) characters in the Latin Extended-D block from pages 58 and 59 (excluding A761 to A766)

The final glyphs, names and code position assignments are reflected in the charts in document N3059.
RESOLUTION M48.15 (7 Myanmar additions):

With reference to documents N3043 and N3099, WG2 accepts the following changes in the Myanmar block:

Add the following seven (7) characters:
- 102B MYANMAR VOWEL SIGN TALL AA
- 103A MYANMAR SIGN ASAT
- 103B MYANMAR CONSONANT SIGN MEDIAL YA
- 103C MYANMAR CONSONANT SIGN MEDIAL RA
- 103D MYANMAR CONSONANT SIGN MEDIAL WA
- 103E MYANMAR CONSONANT SIGN MEDIAL HA
- 103F MYANMAR LETTER GREAT SA

with their glyphs that are similar to those shown in document N3043.

Change the glyphs for the following:
- 104E MYANMAR SYMBOL AFOREMENTIONED
- 1039 MYANMAR SIGN VIRAMA

to the glyphs that are similar to those shown in document N3043.

RESOLUTION M48.16 (14 Myanmar characters for Mon and S'gaw Karen):

WG2 accepts to encode in the Myanmar block the fourteen (14) characters, some of which are combining, with their glyphs that are similar to those shown in document N3044:

- 1028 MYANMAR LETTER MON E
- 1033 MYANMAR VOWEL SIGN MON II
- 1034 MYANMAR VOWEL SIGN MON O
- 105A MYANMAR LETTER MON NGA
- 105B MYANMAR LETTER MON JHA
- 105C MYANMAR LETTER MON BBA
- 105D MYANMAR LETTER MON BBE
- 105E MYANMAR CONSONANT SIGN MON MEDIAL NA
- 105F MYANMAR CONSONANT SIGN MON MEDIAL MA
- 1060 MYANMAR CONSONANT SIGN MON MEDIAL LA
- 1061 MYANMAR LETTER SGAW KAREN SHA
- 1062 MYANMAR LETTER SGAW KAREN EU
- 1063 MYANMAR TONE MARK SGAW KAREN HATHI
- 1064 MYANMAR TONE MARK SGAW KAREN KE PHO

RESOLUTION M48.17 (2 combining marks for Lithuanian phonetics):

With reference to document N3048, WG2 accepts the following two (2) combining marks in the Combining Diacritics Supplement block:

- 1DCB COMBINING BREVE-MACRON
- 1DCC COMBINING MACRON-BREVE

with their glyphs that are similar to those shown in document N3048; both are combining characters.
RESOLUTION M48.18 (4 Malayalam characters):

With reference to document N3015, WG2 accepts the following four (4) additional Malayalam characters, with their glyphs that are similar to those shown in document N3015 to encode in the Malayalam block:

- 0D44 MALAYALAM VOWEL SIGN VOCALIC RR
- 0D62 MALAYALAM VOWEL SIGN VOCALIC L
- 0D3D MALAYALAM PRASLESHAM (avagraha)
- 0D79 MALAYALAM DATE MARK

RESOLUTION M48.19 (3 Uralic Phonetic characters):

With reference to document N3070, WG2 accepts the following three (3) characters in the Latin Extended-C block:

- 2C7B LATIN LETTER SMALL CAPITAL TURNED E
- 2C7C LATIN SUBSCRIPT SMALL LETTER J
- 2C7D MODIFIER LETTER CAPITAL V

RESOLUTION M48.20 (4 Tibetan characters):

WG2 accepts the following four Tibetan characters to encode in the Tibetan block:

- a. 0FCE TIBETAN SIGN RDEL NAG RDEL DKAR
- b. 0FD2 TIBETAN MARK NYIS TSHEG
- c. 0FD3 TIBETAN MARK INITIAL BRDA RNYING YIG MGO MDUN MA
- d. 0FD4 TIBETAN MARK CLOSING BRDA RNYING YIG MGO SGAB MA

RESOLUTION M48.21 (3 Phonetic characters for Swedish dialects in Finland):

With reference to document N3031, WG2 accepts the following three (3) characters to the Latin Extended-C block:

- 2C78 LATIN SMALL LETTER E WITH TAIL
- 2C79 LATIN SMALL LETTER TURNED R WITH TAIL
- 2C7A LATIN SMALL LETTER O WITH LOW RING INSIDE (changed name)

RESOLUTION M48.22 (2 Mathematical Brackets):

With reference to document N3040, WG2 accepts the following two (2) characters in the Miscellaneous Mathematical Symbols-A block:

- 27EC MATHEMATICAL LEFT WHITE TORTOISE SHELL BRACKET
- 27ED MATHEMATICAL RIGHT WHITE TORTOISE SHELL BRACKET

RESOLUTION M48.23 (1 Mongolian character):

With reference to document N3041, WG2 accepts the following character in the Mongolian block:

- 18AA MONGOLIAN LETTER MANCHU ALI GALI LHA

Unanimous
RESOLUTION M48.24 (4 Latin Egyptological characters):
Unanimous
With reference to document N2241 and item 4 in document N3045, WG2 accepts the following four (4) characters to the Latin Extended-D block:

A722 LATIN CAPITAL LETTER EGYPTOLOGICAL ALEF
A723 LATIN SMALL LETTER EGYPTOLOGICAL ALEF
A724 LATIN CAPITAL LETTER EGYPTOLOGICAL AIN
A725 LATIN SMALL LETTER EGYPTOLOGICAL AIN
with their glyphs that are similar to those shown in document N2241.

RESOLUTION M48.25 (2 Gurmukhi characters):
Unanimous
WG2 accepts the following two (2) Gurmukhi characters for encoding in the Gurmukhi block:

a. 0A51 GURMUKHI SIGN UDAAT
   with its glyph similar to that shown in document N3021
b. 0A75 GURMUKHI SIGN YAKASH
   with its glyph similar to that shown in document N3073; this is a combining character.

RESOLUTION M48.26 (Named sequences for Lithuanian):
Unanimous
With reference to document N3090, WG2 accepts the named sequences for composite characters for Lithuanian repertoire identified in the table in Addendum II less the following:
Entry 14, which is already encoded as LATIN SMALL LETTER I WITH DOT ABOVE AND ACUTE, 0069 0307 0301 (identical to the requested sequence) in clause 29 Amendment 2 to the standard.
WG2 further instructs its project editor to add text to the standard to clarify the rules for adding and naming Named Sequences, with particular attention to those resulting in canonically equivalent composed characters.

RESOLUTION M48.27 (Extended Collections):
Abstention: Japan
Approval: Canada, Finland, Ireland, Korea (Republic of), Poland and the USA
WG2 accepts the definition of 'Extended Collection' given in document N3105 for inclusion in the standard.

RESOLUTION M48.28 (Lithuanian Extended Collection):
Unanimous
WG2 accepts the inclusion in the standard of an extended collection named 'Contemporary Lithuanian Letters', an extended collection of standalone characters and named sequences, corresponding to the repertoire shown in Addendum I in document N3090.

RESOLUTION M48.29 (5 collections corresponding to Japanese standards):
Unanimous
With reference to the five requested collections in document N3091, WG2 accepts to define five new collections in the standard based on information provided in attachment (N3091-A) to document N3091.

RESOLUTION M48.30 (Hangul clarification):
Unanimous
WG2 accepts removing the word 'character' (that occurs three times in the parenthetical notations in the first paragraph) in clause 26.1 in the standard.

RESOLUTION M48.31 (Model for Hangul Jamos):
Unanimous
Republic of Korea is invited to prepare a document on 'a new model for using Hangul Jamos' and send to the convener no later than 2006-07-15, for distribution to and review by WG2 experts.
RESOLUTION M48.32 (Ideographic Variation Database):  

Unanimous

WG2 accepts the proposed replacement of two paragraphs in clause 20.4 with three new paragraphs and one normative reference to UTS #37, as detailed in document N3035, in order to include by reference the Variation Sequences defined in the Ideographic Variation Database in that standard.

RESOLUTION M48.33 (Information on control characters):  

Unanimous

With reference to document N3046 and to item a regarding control characters in ITU-T SG17 request document N3013, WG2 resolves to add to the standard:

a. normative definitions for relevant terms related to control characters and control functions
b. an informative annex showing the default content of 0000 to 001F, 007F, and 0080 to 009F blocks and charts similar to those published in the Unicode Standard, and names in the form of annotations - "(control) (long name from ISO/IEC 6429)".

WG2 further instructs its project editor to prepare appropriate text including the feedback from the discussion on document N3059 at meeting 48.

RESOLUTION M48.34 (Additions of UTF-16BE and other forms):  

Unanimous

WG2 accepts the request from ITU-T SG17 in document N3013, item b, to add explicit text for UTF-16BE and other similar forms, and instructs its editor to prepare appropriate text for inclusion in the standard.

RESOLUTION M48.35 (Updating collection 307 definition):  

Unanimous

WG2 accepts updating definition of collection '307 Unicode 5.0' to include the four Devanagari characters 097B, 097C, 097E and 097F (encoded in Amendment 3) to correspond to the repertoire of Unicode 5.0.

RESOLUTION M48.36 (Annotations for 4 Lao characters):  

Unanimous

With reference to item 6 in document N3045 WG2 accepts to add annotations for the following four (4) characters in the Lao block:

- 0E9D LAO LETTER FO TAM (fo fon)
- 0E9F LAO LETTER FO SUNG (fo fay)
- 0EA3 LAO LETTER LO LING (ro)
- 0EA5 LAO LETTER LO LOOT (lo).

RESOLUTION M48.37 (Progression of Amendment 3):  

Unanimous

WG2 resolves to include all the items accepted for inclusion in the standard noted in the various resolutions above along with the changes arising out of the disposition of comments into Amendment 3. WG2 instructs its project editor to prepare the revised text of Amendment 3 and forward it along with the disposition of comments document N3098 to the SC2 secretariat for a second PDAM ballot. The final set of charts and names lists are in document N3059. The schedule for this work item is revised accordingly to: PDAM 2006-05-31, FPDAM 2006-10-31, and FDAM 2007-05 (starting dates are given).

RESOLUTION M48.38 (Request from ITU-T SG17):  

Unanimous

WG2 has reviewed the document N3013 from ITU-T SG17 and has the following responses for SC2 to consider:

1. ITU-T should be discouraged from the proposed common-text approach and pursue referencing ISO/IEC 10646, similar to what ITU-T has done with other SC2 standards in the past; for example, a normative reference can be added to recommendation such as T.51.

2. As to their requests a through f:
   - item a: ISO/IEC 10646 already references ISO/IEC 6429 in a normative way. Further new text will be added to the standard to facilitate ease of reference of the control characters from ISO/IEC 10646.
item b: New text will be added to clarify explicitly the definitions of terms such as UTF-16BE in the standard.

items c, d and e: We need further clarification on the nature of the request from ITU-T SG17. WG2 requests SC2 to invite ITU-T representatives to participate in the next WG2 meeting. The project editor will review these items and draft appropriate text for discussion at the next WG2 meeting.

item f: WG2 agrees with ITU-T SG17 that there are trademark issues and we are not in favour of changing the expansion of the term UCS.

3. WG2 nominates its convener Mr. Mike Ksar to be the liaison representative to ITU-T and requests SC2 to approve this nomination, and to prepare a liaison statement communicating SC2’s response in more detail, along with a reference to document N3057 regarding the Unicode Consortium’s status as an ARO.

RESOLUTION M48.39 (CJK Ext C1):

Unanimous

WG2 takes note of item 3 in document N3064, in particular that CJK Ext C1 repertoire is expected to be finalized at IRG meeting 26 in June 2006, and accepts the delay in its submission for WG2 consideration at its next meeting.

RESOLUTION M48.40 (CJK comments on FDAM1):

Unanimous

WG2 instructs the IRG to review and prepare a response to the various issues raised regarding CJK Unified Ideographs in the FDAM1 ballot response in document SC2 N3814.

RESOLUTION M48.41 (IRG rapporteur):

By Acclamation

WG2 nominates Dr. Lu Qin as the IRG Rapporteur for one more term, and requests SC2 to approve this appointment.

RESOLUTION M48.42 (Future meetings):

Unanimous

WG 2 meetings:
Meeting 49 – 2006-09-25/29, Tokyo, Japan
Meeting 50 – 2007-04-16/20, Frankfurt, Germany
Meeting 51 - Fall 2007 - Japan or Hong Kong or Taipei to be confirmed)
Meeting 52 - April 2008, Republic of Korea (to be confirmed)

IRG meeting:
IRG #26 - 2006-06-5/9, Hue, Vietnam
IRG #27 - 2006-11-27/12-01, Taipei (host: TCA)
IRG #28 - 2007 May / June, Hangzhou, China (to be confirmed)
IRG#29 - 2007 November, San Jose, California, USA (host Adobe).

RESOLUTION M48.43 (Roadmap snapshot):

Unanimous

WG2 instructs its convener to post an updated snapshot of the roadmaps (in document N3005) to the WG2 web site.

RESOLUTION M48.44 (Liaison request from UC Berkeley):

Unanimous

WG2 requests SC2 to accept the liaison request from UC Berkeley in document N3068.

RESOLUTION M48.45 (Appreciation to DKUUUG for web site support):

By Acclamation

WG 2 thanks DKUUUG and its staff, in particular Mr. Kristen Nielsen, for its continued support of the web site for WG 2 document distribution and the e-mail server.
RESOLUTION M48.46 (Appreciation to Host):

WG 2 thanks the US national body, Microsoft Corporation and its staff, and the Unicode Consortium and its staff, in particular Ms. Magda Danish, for hosting the meeting, their kind hospitality, and for providing excellent meeting facilities.
The following 25 delegates representing 6 national bodies, 2 liaison organizations, SC2 secretariat and 1 guest organization were present at different times during the meeting.

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<td>Alain LaBonté</td>
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<td>Ministère des services gouvernementaux du Québec</td>
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