

<p>Action Items from ISO/IEC JTC1/SC2/WG2 meeting 59, Mountain View, CA, USA, 2012-02-16/20 For review at meeting 60, Chiang Mai, Thailand, 2012-10-22/26</p> <p>(the following is an extract of Action items section of document N4253, meeting 59 unconfirmed minutes) V.S. Umamaheswaran, Recording Secretary</p>
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16 Action items

All the action items recorded in the minutes of the previous meetings from 25 to 51, and, 53 to 56 have been either completed or dropped. Status of outstanding action items from previous meetings 52, 57, 58 and new action items from this meeting 59 are listed in the tables below.

16.1 Outstanding action items from meeting 52, 2008-04-21/25, Redmond, WA, USA

Item	Assigned to / action (Reference resolutions in document N3454 , and unconfirmed minutes in document N3453 for meeting 52 - with any corrections noted in section 3 in the minutes of meeting 53 in document N3553)	Status
AI-52-7	Ireland (Mr. Michael Everson)	
	To take note of and act upon the following items:	
	<p>a. <i>M52.5 (Principles for Dandas)</i>: WG2 adopts the principles guiding the encoding of Dandas in Brahmic scripts from document N3457, and instructs its ad hoc group on P&P to incorporate these into its document on Principles and Procedures (along with the additions from resolution M52.4 above). WG2 further invites the Irish national body to investigate and report on the current practice on use of currently encoded Dandas in relevant scripts towards finalizing the list of scripts and their corresponding Dandas. (Mr. Michael Everson indicated he will provide some text to include in the P&P document at meeting 58.) M53, M54 M55, M56, M57, M58 and M59 – in progress.</p>	In progress

16.2 Outstanding action items from meeting 57, Busan, Korea (Republic of), 2010-10-04/10

Item	Assigned to / action (Reference resolutions in document N3904 , and unconfirmed minutes in document N3903 for meeting 57 – with any corrections noted in section 3 in the minutes of meeting 58 in document N4103)	Status
AI-57-8	China (Mr. Chen Zhuang)	
	To take note of and act upon the following items:	
	<p>b. <i>M57.27 (Khitan)</i>: With reference to documents N3918 and N3925 on Khitan, WG2 endorses the ad hoc report in document N3942, and invites China to submit a revised proposal addressing the feedback received to date. M58, M59 – in progress.</p>	In progress.
	<p>c. <i>M57.28 (Chinese Chess symbols)</i>: With reference to document N3910 on Chinese Chess Symbols, WG2 invites China to submit a revised proposal addressing the feedback received during meeting M57 and any further national body feedback received prior to WG2 meeting M58. M58, M59 – in progress.</p>	In progress.

16.3 Action items from meeting 58, Helsinki, Finland, 2011-06-06/10

Item	Assigned to / action (Reference resolutions in document N4104 , and unconfirmed minutes in document N4103 for meeting 58)	Status
AI-58-4	IRG Rapporteur and IRG Editor (Dr. Lu Qin)	
	To take note of and act upon the following items:	
	<p>b. to address the concerns in document N4075 on potential duplication and on possible use of IVS-s as method to encode z-variants, and provide feedback to WG2. M58 – in progress.</p>	In progress.
AI-58-7	Ireland (Mr. Michael Everson)	
	<p>a. With reference to Irish proposal for replacement of Bengali chart in comment E1 on Row 098 in document N4014 (results of voting on FCD of 3rd edition), Ireland is invited to provide more information regarding the font used for Bengali in the charts for review and comment by national bodies and liaison organizations. Also refer to similar action item AI-57-7 on Ireland. M58 – in progress.</p>	In progress.
AI-58-9	China (Mr. Chen Zhuang)	
	To take note of and act upon the following items:	
	<p>a. <i>M58.31 (Chinese Chess symbols)</i>: With reference to proposal from China in document N3910,</p>	In progress.

	WG2 invites China to submit a revised proposal taking into consideration the feedback comments received in documents N3966 and N3992 . M58 – in progress.	
b.	<i>M58.30 (Naxi Dongba pictographs)</i> : With reference to proposal from China in document N4043 , WG2 endorses the ad hoc report in document N4112 , and invites China to submit a revised proposal taking into consideration the recommendations in the ad hoc report. M58 – in progress.	In progress.

16.4 New action items from meeting 59, Mountain View, CA, USA, 2012-02-13/17

Item	Assigned to / action (Reference resolutions in document N4254 , and unconfirmed minutes in document N4253 for meeting 59 (this document you are reading)).	Status
AI-59-1	Recording Secretary - Dr. V.S. UMaaheswaran	
a.	To finalize the document N4254 containing the adopted meeting resolutions and send it to the convener as soon as possible.	Completed; see document N4254 .
b.	To finalize the document N4253 containing the unconfirmed meeting minutes and send it to the convener as soon as possible.	Completed; see document N4253 .
AI-59-2	Convener - Mr. Mike Ksar	
	To take note of and act upon the following items:	
a.	<i>M59.21 (Roadmap snapshot)</i> : WG2 instructs its convener to post the updated snapshot of the roadmaps (in document N4186) to the WG2 web site and communicate the same to SC2 secretariat.	Completed; see document 02n4219.pdf
b.	To add relevant contributions carried forward from previous meetings to agenda of next meeting. (See list of documents under AI-59-10 - items a to f - below.)	
AI-59-3	Editor of ISO/IEC 10646: (Mr. Michel Suignard with assistance from contributing editors)	
	To prepare the appropriate amendment texts, sub-division proposals, collection of editorial text for the next edition, corrigendum text, or entries in collections of characters for future coding, with assistance from other identified parties, in accordance with the following:	
a.	<i>M59.01 (Disposition of ballot comments of PDAM 1.2)</i> : WG2 accepts the disposition of PDAM 1.2 ballot comments in document N4239 . The following significant changes are noted: <ul style="list-style-type: none"> a. A78F LATIN LETTER MIDDLE DOT is moved out for processing in the next amendment b. 109 characters in the OLD HUNGARIAN block 10C80 to 10CFF, with unchanged block name and character names, and a revised font from document N4196, are moved out for processing in the next amendment c. 1F37E FORK AND KNIFE WITH BLACK PLATE is moved out for processing in the next amendment d. 2BF4 and 10 Arrows in the range 1F880-1F889 are deleted unifying them with other symbols e. Two combining characters FE2B COMBINING MACRON LEFT HALF BELOW and FE2C COMBINING MACRON RIGHT HALF BELOW, from document N4131, are added f. 1F678 SANS-SERIF HEAVY LOW DOUBLE COMMA QUOTATION MARK ORNAMENT is added g. 43 Wingdings and other symbols are added h. Various symbols were reordered or reassigned code positions i. Several of the Arrows were renamed j. Glyphs for several encoded Arrows in the Arrows block and in the first column in Miscellaneous Symbols and Arrows block, and some other symbols in different blocks were updated The final code positions, glyphs and names are in the charts in document N4244 .	
b.	<i>M59.02 (Progression of Amendment 1)</i> : WG2 instructs its project editor to prepare and to forward the final text of Amendment 1 to the 3 rd Edition, which will include the changes arising from resolutions M59.01 above, along with the final disposition of comments, to the SC2 secretariat for a DAM ballot. The (unchanged) target starting dates are - DAM 2012-03 and FDAM 2012-11.	Completed – items a and b; see document 02n4222.pdf and zipped file 02n4223.zip .
c.	<i>M59.03 (IDS Syntax in Annex I)</i> : WG2 accepts the proposal from the US national body in document N4234 to remove the deficiency and align the definition of IDS with the current practice, and instructs its project editor to modify the text in Annex I accordingly.	
d.	<i>M59.04 (Emoji variants)</i> : WG2 accepts the 214 standard variants for Emoji as described in document N4182 for inclusion in the next amendment to the standard.	
e.	<i>M59.05 (Named USIs for characters for Uyghur and Chaghatay)</i> : With reference to request for NUSIs from China in document N4218 and the proposed alternative NUSIs in document N4231 from SEI, WG2 accepts the proposed 9 language-neutral NUSIs from document N4231 for inclusion in the next amendment to the standard. WG2 further invites China to work with experts from the Unicode Consortium in preparing a Unicode Technical Note to assist the Uyghur and Chaghatay users in implementation using the standard.	
f.	<i>M59.06 (Characters from PDAM 1.2 ballot comments for next Amendment)</i> : WG2 accepts the	

	<p>following characters proposed in national body ballot comments, from the disposition of ballot comments in document N4239 to be encoded in the next amendment:</p> <ul style="list-style-type: none"> - 3 characters 1F594 to 1F596 from Irish comment T.6 item a - 2 characters 2B74 and 2B75 from Irish comment T.1 item c - 92 characters from US comment T.6 item c, and, - 2 characters 1F4F8 and 1F3C5 from US comment T.6 item d. 	
g.	<i>M59.07 (Psalter Pahlavi script):</i> WG2 accepts to create a new block named Psalter Pahlavi in the range 10B80 to 10BAF, and populate it with 29 characters in code positions 10B80 to 10B91, 10B99 to 10B9C, and 10BA9 to 10BAF, with their glyphs and character names as shown on page 6 in document N4040 . The script is a right-to-left script.	
h.	<i>M59.08 (Mahajani script):</i> WG2 accepts to create a new block named Mahajani in the range 11150 to 1117F, and populate it with 39 characters in code positions 11150 to 11176, with their glyphs and character names as shown on page 11 in document N4126 .	
i.	<i>M59.09 (Grantha script):</i> WG2 accepts to create a new block named Grantha in the range 11300 to 1137F, and populate it with 82 characters in code positions 11301 to 11303, 11305 to 1130C, 1130F to 11310, 11313 to 11328, 1132A to 11330, 11332, 11333, 11335 to 11339, 1133C to 11344, 11347, 11348, 1134B to 1134D, 11357, 1135E to 11363, 11366 to 1136C, and 11370 to 11374, with their glyphs and character names as shown on pages 4 to 8 in document N4135 , and 1135D GRANTHA SIGN PLUTA with its glyph from document N4136 . Some of these characters are combining marks.	
j.	<i>M59.10 (Modi script):</i> WG2 accepts to create a new block named Modi in the range 11600 to 1165F, and populate it with 79 characters in code positions 11600 to 11644, and 11650 to 11659, with their glyphs and character names as shown on pages 20 and 21 in document N4034 . Some of these characters are combining marks.	
k.	<i>M59.11 (Mende script):</i> WG2 accepts to create a new block named Mende in the range 1E800 to 1E8CF, and populate it with 197 characters in code positions 1E800 to 1E8C4, with their glyphs and character names as shown on pages 7 to 11 in document N4167 . Mende is a right-to-left script.	
l.	<i>M59.12 (Playing Card additions):</i> WG2 accepts to add 23 Playing Card symbols at 1F0BF, and 1F0E0 to 1F0F5, with their names and glyphs from pages 9 to 11 in document N4089 .	
m.	<i>M59.13 (Myanmar Extended-B additions):</i> WG2 accepts to add 24 Myanmar Extended-B characters at A9E7 to A9FE, with their names and glyphs from pages 9 to 11 in document N3976 .	
n.	<i>M59.14 (Caucasian Albanian script):</i> WG2 accepts to create a new block named Caucasian Albanian in the range 10530 to 1056F, and populate with 53 characters in code positions 10530 to 10563 and 1056F with their names and glyphs from pages 6 in document N4131 (with modified glyph for 1056F as shown in the chart in document N4245).	
o.	<i>M59.15 (Pahawh Hmong script):</i> WG2 accepts to create a new block named Pahawh Hmong in the range 16B00 to 16B8F, and populate with 126 characters in code positions 16B00 to 16B45, 16B50 to 16B59, 16B5B to 16B61, 16B63 to 16B77, and 16B7E to 16B8F, with their names and glyphs as shown in document N4245 .	
p.	<p><i>M59.16 (Miscellaneous character additions):</i> WG2 accepts to encode the following 37 characters in the standard:</p> <ol style="list-style-type: none"> a. 111C9 SHARADA EKAM, in the Sharada block, with its glyph from page 1 in document N4158. b. 2 combining marks in the Vedic Extensions block: 1CF8 VEDIC TONE RING ABOVE, and 1CF9 VEDIC TONE DOUBLE RING ABOVE with their glyphs from page 1 in document N4134. c. 061C ARABIC LETTER MARK (from document N4180) in the Arabic block, with its glyph as a dashed box with 'ALM' inside it. d. 1107F BRAHMI NUMBER JOINER in the Brahmi block, with its glyph from page 2 in document N4166. e. 0C34 TELUGU LETTER LLLA, in the Telugu block, with its glyph from page 1 in document N4214. f. 2 characters in the Ancient Greek Numbers block: 1018B GREEK ONE QUARTER SIGN 1018C GREEK SINUSOID SIGN with their glyphs from page 1 in document N4194. g. 101A0 GREEK SYMBOL TAU RHO, in the Ancient Symbols block, with its glyph from page 1 in document N4194. h. 2 characters in the Cyrillic Supplement block: 0528 CYRILLIC CAPITAL LETTER EN WITH LEFT HOOK, and 0529 CYRILLIC SMALL LETTER EN WITH LEFT HOOK, with their glyphs from page 1 in document N4137. i. 4 characters in the Cyrillic Supplement block: 052A CYRILLIC CAPITAL LETTER DZZHE 052B CYRILLIC SMALL LETTER DZZHE 052C CYRILLIC CAPITAL LETTER DCHE 052D CYRILLIC SMALL LETTER DCHE with their glyphs from page 1 in document N4199. 	

	<p>j. 2 characters in the Cyrillic Supplement block: 052E CYRILLIC CAPITAL LETTER EL WITH DESCENDER 052F CYRILLIC SMALL LETTER EL WITH DESCENDER with their glyphs from page 1 in document N4219.</p> <p>k. 4 characters in the Myanmar Extended-A block: AA7C MYANMAR SIGN TAI LAING TONE-2 AA7D MYANMER SIGN TAI LAING TONE-5 AA7E MYANMAR LETTER SHWE PALAUNG CHA AA7F MYANMAR LETTER SHWE PALAUNG SHA with their glyphs from document N3976.</p> <p>l. 8 characters in the Runic block: 16F1 RUNIC LETTER K 16F2 RUNIC LETTER SH 16F3 RUNIC LETTER OO 16F4 RUNIC LETTER FRANKS CASKET OS 16F5 RUNIC LETTER FRANKS CASKET IS 16F6 RUNIC LETTER FRANKS CASKET EH 16F7 RUNIC LETTER FRANKS CASKET AC 16F8 RUNIC LETTER FRANKS CASKET AESC with their glyphs from page 1 in document N4013.</p> <p>m. 5 characters in the Latin Extended-D block: A796 LATIN CAPITAL LETTER B WITH FLOURISH A797 LATIN SMALL LETTER B WITH FLOURISH A7AB LATIN CAPITAL LETTER REVERSED OPEN E A7AC LATIN CAPITAL LETTER SCRIPT G A7F7 LATIN EPIGRAPHIC LETTER SIDEWAYS I with their glyphs from page 1 in document N4030.</p> <p>n. A7AD LATIN CAPITAL LETTER L WITH BELT in the Latin Extended-D block with its glyph from page 1 in document N4228.</p> <p>o. 2 characters in the Kana Supplement block: 1B002 HIRAGANA LETTER SMALL KO 1B003 KATAKANA LETTER SMALL KO with their glyphs from document N3987.</p>	
	<p>q. <i>M59.17 (Subdivision of work)</i>: WG2 instructs its convener and project editor to create a subdivision proposal (document N4248) for creation of Amendment 2 to ISO/IEC 10646 3-rd edition, to incorporate characters and scripts accepted for encoding in resolutions M59.03 to M59.16 above. WG2 notes that the subdivision proposal includes provisions for including additional characters or new scripts during the ballot resolution phase towards agile processing of PDAMs and speeding up the work of WG2 between face to face meetings. The target starting dates are: PDAM 2012-03, DAM 2012-11 and FDAM 2013-07.</p>	
	<p>r. <i>M59.18 (PDAM 2 to 3rd edition)</i>: WG2 instructs its project editor to create the text of for Amendment 2 to the 3-rd edition of ISO/IEC 10646, incorporating the characters accepted for encoding per M59.17 above on subdivision of work, and send it to SC2 secretariat for a PDAM ballot. The consolidated charts are in document N4245.</p>	Completed – items c through r; see document 02n4224.pdf and zipped file 02n4225.zip .
	<p>s. With reference to document N4173 - IRG Errata Report, to check for possible Source-Mapping changes that we can request IRG to review and put a solution in place.</p>	
AI-59-4	IRG Rapporteur and IRG Editor (Dr. Lu Qin)	
	To take note of and act upon the following items:	
	a. Document N4230 as feedback on the IRG P&P document, Annex on UNC-s.	
	b. <i>M59.19 (Old Hanzi and IRG)</i> : WG2 accepts the proposals from China, TCA and Japan, and instructs the IRG, to remove Old Hanzi related tasks from the scope of work items of the IRG, effective after IRG meeting 38, 2012-06-18/22. Mature Old Hanzi proposals, when available, can be submitted directly to WG2.	
AI-59-5	Ad hoc group on roadmap (Dr. Umamaheswaran)	
	a. To update the Roadmaps with the results from this meeting.	Completed; see document N4320 .
AI-59-6	Lithuanian (Mr. Algidas Krupovnickas)	
	To take note of and act upon the following items:	
	a. <i>M59.20 (Lithuanian)</i> : With reference to various documents on Lithuanian, WG2 accepts the recommendation from the Lithuanian ad hoc group in document N4242 . WG2 will <i>not</i> take action to encode additional characters as was proposed in N4191 . Instead the recommendation is to continue using the defined USI sequences in the standard. WG2 invites national bodies and liaison organizations to alert their software implementers to take special care to properly process the USIs in the standard that are used to represent various characters in languages worldwide, including Lithuanian. WG2 further invites the Lithuanian national body to refer to the ad hoc report in document N4242 for details.	

AI-59-7	China (Mr. Chen Zhuang)	
	To take note of and act upon the following items:	
a.	<i>M59.05 (Named USIs for characters for Uyghur and Chaghatay):</i> With reference to request for NUSIs from China in document N4218 and the proposed alternative NUSIs in document N4231 from SEI, WG2 accepts the proposed 9 language-neutral NUSIs from document N4231 for inclusion in the next amendment to the standard. WG2 further invites China to work with experts from the Unicode Consortium in preparing a Unicode Technical Note to assist the Uyghur and Chaghatay users in implementation using the standard.	
AI-59-8	Unicode Liaison (Mr. Peter Constable)	
a.	<i>M59.05 (Named USIs for characters for Uyghur and Chaghatay):</i> With reference to request for NUSIs from China in document N4218 and the proposed alternative NUSIs in document N4231 from SEI, WG2 accepts the proposed 9 language-neutral NUSIs from document N4231 for inclusion in the next amendment to the standard. WG2 further invites China to work with experts from the Unicode Consortium in preparing a Unicode Technical Note to assist the Uyghur and Chaghatay users in implementation using the standard.	
AI-59-9	Liaison representative to JTC1/SC35 (Alain Labonté)	
a.	With reference to request for missing Latin letters from SC35 in document N4068 , and the associated request from German national body in document N4149 , to communicate that they have not presented the needed evidence of use of these characters in plain text.	
AI-59-10	All national bodies and liaison organizations	
	To take note of and provide feedback on the following items.	
a.	Revised Unicode Technical Standard UTS 37 version 3.1 (SC2 N4208), which is referenced in ISO/IEC 10646 3 rd edition.	
b.	the Old Permic script proposed in document N4177 .	
c.	the (Old) Uyghur script proposed in document N4226 .	
d.	the proposal using standardized variants for stabilizing CJK compatibility ideographs under normalization in document N4246 and the associated data file N4246-A.pdf , and the concerns expressed in the feedback document N4247 .	
e.	the proposal for Nautical Chart Symbols in document N4221 after checking with their national or regional hydrographic organizations who would be interested.	
f.	(The following documents are being carried forward; there was no discussion on any of these at meeting 59.) N4132 - Afaka; N3928 - Ahom; N3236 - Anatolian Hieroglyphs; N4016 - Balti 'B'; N3842 - Balti scripts; N4121 - Bhaiksuki; N4147 - Code chart for Anatolian Hieroglyphs; N4140 - Dhimal; N3848 - Dhives Akuru; N4119 - Diwani Numerals Model; N4122 - Diwani Siyaq Numbers; N4179 - Early Dynastic Cuneiform characters; N4079 - English Phonotypic Alphabet (EPA); N3841 - Gondi scripts; N4123 - Indic Siyaq; N4130 - Introducing 'Khatt-i Baburi'; N4028 - Jenticha; N4018 - Khambu Rai; N4019 - Khema; N4037 - Kirat Rai; N3762 - Kpelle; N3768 - Landa; N3961 - Logographic Pau Cin Hau; N4036 - Magar Akkha; N4032 - Marchen; N4118 - Model for Numerals of the Ottoman Siyaq System; N4117 - Model for Raqm Numerals; N4160 - Mongolian Square; N4128 - Moon; N4027 - Multani; N3598 (N3705 and N3719) - Nüshu 2 nd Revision; N3695 - Obsolete Simplified Chinese Characters; N3288 - Old Yi; N4124 - Ottoman Siyaq; N4125 - Persian Siyaq; N3874 - Pyu; N4033 , N4033A , N4033B , N4083 and N4094 - Report on Tangut; N4185 - Siddham; N4077 - Sources for the Encoding of Jurchen; N3963 - Tikamuli; N3811 - Tolong Siki; N4025 - Tulu; N4176 - Warang Citi; N4146 - Woleai; N4044 - Wolof Alphabet of Assane Faye; N3864 - Zou; ; N4178 - Additions and corrections to Sumero-Akkadian Cuneiform; N4156 - Annotations for Bengali ISSHAR; N4168 and N4163 - Azerbaijani Manat currency sign; N4148 - Bengali annotations; N4212 - Combining decimal digits above; N4207 - Disunifying Emoji symbols for the Western zodiac; N4213 - Four historic Latin letters for Sakha (Yakut); N4011 - Heraldic hatching characters; N4208 - Historic currency signs of Russia; N4162 - Latin letters used in the Former Soviet Union; N4210 - Linguistic Doubt Marks; N4209 - Low One Dot Leader; N4206 - Medieval East-Slavic Musical Notation; N4174 - Metrical symbols; N4157 - Sign ANJI for Bengali; N4215 - TELUGU LETTER RRRA; N4211 - Two Greek modifier letters for Critical Apparatuses; N4195 - Unifon characters.	
g.	on a quick survey regarding Apple Symbol Fonts in document N4127 (to the author).	
h.	Activities under Script Encoding Initiative (SEI) project on minority scripts (see document N4220), and to contact Dr. Debbie Anderson with names of any scholars who may be interested in any of the several minority scripts under investigation towards encoding.	
i.	<i>M59.20 (Lithuanian):</i> With reference to various documents on Lithuanian, WG2 accepts the recommendation from the Lithuanian ad hoc group in document N4242 . WG2 will <i>not</i> take action to encode additional characters as was proposed in N4191 . Instead the recommendation is to continue using the defined USI sequences in the standard. WG2 invites national bodies and liaison organizations to alert their software implementers to take special care to properly process the USIs in the standard that are used to represent various characters in languages worldwide, including Lithuanian. WG2 further invites the Lithuanian national body to refer to the ad hoc report in document N4242 for details.	
j.	<i>M59.22 (Future meetings):</i> WG2 meetings: - Meeting 60 - 2012-10-22/26, Chiang Mai, Thailand (N4255 - Logistics and N4255-A - Invitation);	

	<p>(colocated with SC2 meeting 18)</p> <ul style="list-style-type: none">- Meeting 61 – 2013-06-10/14, Vilnius, Lithuania (pending confirmation of dates); Berlin, Germany (as backup, pending confirmation)- Meeting 62 – 4th Quarter 2013; Looking for host. <p>IRG meetings:</p> <ul style="list-style-type: none">- IRG Meeting 38, Gyeongju, Korea, 2012-06-18/22- IRG Meeting 39, Hanoi, Vietnam (venue changed from Hong Kong S.A.R.), 2012-11-12/16	
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