

Action Items from
ISO/IEC JTC1/SC2/WG2 meeting 68, Microsoft Campus, Redmond, WA, USA; 2019-06-17/21
For review at meeting 69, Takamatsu, Japan, 2020-06-15/19
 (Following is an extract of Action Items section of document N5122, Unconfirmed minutes from meeting 68.)
V.S. Umamaheswaran, Recording Secretary

17 Outstanding Action items

All the action items recorded in the minutes of the previous meetings from 25 to 59, 61, 64 and 65, have been either completed or dropped. Status of outstanding action items from previous meetings 60, 62, 63, 66, 67 and new action items from this meeting 68 are listed in the tables below.

17.1 Outstanding action items from meeting 60, Chiang Mai, Thailand, 2012-10-22/27

Item	Assigned to / action (reference resolutions in document N4254, and unconfirmed minutes in document N4253 for meeting 60, with any corrections noted in the minutes of meeting 61 in document N4403).	Status
AI-60-10	Irish national body - Mr. Michael Everson	
a.	To get more information related to the status, its stability and other clarifications based on the discussions in the meeting on document N4323 - Mwangwego script. M61 through M68 -- in progress.	In progress.

17.2 Outstanding action items from meeting 62, San Jose, CA, USA; 2014-02-24/28

Item	Assigned to / action (reference resolutions in document N4554, and unconfirmed minutes in document N4553 for meeting 62, with any corrections noted in the minutes of meeting 63 in document N4603).	Status
AI-62-6	Ad hoc group on Principles and Procedures (Dr. Umamaheswaran)	
a.	To take note of section 2.1 in document N4544 on Representation of CJK ideograph glyphs; and update the P&P document appropriately. M63 through M68 -- in progress.	In progress.
b.	With reference to N4543 Character Name considerations; Michel Suignard; 2014-02-20, to elaborate on character names in the P&P document working with Mr. Michael Everson. M63 through M68 -- in progress.	In progress.

17.3 Outstanding action items from meeting 63, Colombo, Sri Lanka; 2014-09-29/10-03

Item	Assigned to / action (Reference recommendations in document N4604, and unconfirmed minutes in document N4603 for meeting 63 (with any corrections noted in the minutes of meeting 64 in document N4739).	Status
AI-63-6	Ad hoc group on Principles and Procedures (Dr. Umamaheswaran)	
a.	To take note of section 2.1 in document N4620 on Representation of CJK ideograph glyphs; and update the P&P document appropriately.	In progress.
AI-63-7	Experts from China (Chen Zhuang), UK (Andrew West), Japan (Toshiya Suzuki), Ireland (Mr. Michael Everson)	
	To take note of and act on the following item:	
a.	M63.15 (Khitan Large script): WG2 invites the authors of document N4631 to revise their proposal on the Khitan Large script taking into account the feedback summarized in the ad hoc report document N4642, working with other experts interested in this script. M64 through M68 -- in progress.	In progress.

17.4 Outstanding action items from meeting 66, Hohhot, Inner Mongolia, China; 2017-09-25/29

Item	Assigned to / action (Reference recommendations in document N4874, and unconfirmed minutes in document N4953 for meeting 66, with any corrections noted in the minutes of meeting 67 in document N5020).	Status
AI-66-6	Experts from China (Chen Zhuang), UK (Andrew West), Japan (Toshiya Suzuki), Ireland (Mr. Michael Everson). TCA (Lin Mei Wei), Mongolia experts	
	To take note of and act on the following item:	
b.	M66.18 (Naxi Dongba script): WG2 accepts the Naxi Dongba ad hoc report in document N4895, and invites the author of the script to provide a revised version with the characters reordered according to the type of classification used in the source dictionaries, based on the revised chart in document N4898. WG2 recommends to SC2 to accept the revised version of the script, consisting of 1188 characters in a new block Naxi Dongba in the range 1A800...1ACFF for encoding in the standard. M67 through M68 -- in progress.	In progress.

17.5 Outstanding action items from meeting 67, SOAS, University of London, London, UK; 2018-06-16/20

Item	Assigned to / action (Reference recommendations in document N4954, and unconfirmed minutes in document N5020 for meeting 67 - with any corrections noted in the minutes of meeting 68 in document N5122).	Status
AI-67-6	Experts from Japan (Mr. Wataru Takagi) To take note of and act on the following items:	
a.	<i>M67.30 (IRG Process)</i> : WG2 recommends that SC2 welcome the input from Japanese national body on improving the working of IRG (in document N4948), and invites the Japanese national body to take into consideration the feedback from the discussion in WG2. M68 in progress.	In progress.
AI-67-7	BIS (K. Manikandan), Experts on Assamese from India and elsewhere. To take note of and act on the following item:	
a.	<i>M67.25 (Assamese script)</i> : After consideration of the proposal in document N4947 to encode the Assamese script, WG2 recommends that SC2 accept the ad hoc report on Assamese script in document N4999, which has the following main recommendations: <ul style="list-style-type: none"> a. Add Assamese character names in the nameslist as annotations, b. Change the block header from Bengali to Bengali-Assamese, and, c. Prepare a revised contribution on new characters to be added. WG2 encourages the experts on Assamese script to continue the work towards a revised contribution and submit to WG2. WG2 recommends that SC2 invites the national body of India, BIS, to coordinate this effort. M68 in progress.	In progress.
AI-67-8	Experts from China (Chen Zhuang), UK (Andrew West), Japan (Toshiya Suzuki), Ireland (Mr. Michael Everson). TCA (Lin Mei Wei), Mongolia experts To take note of and act on the following items:	
c.	<i>M67.26 (Shuishu script)</i> : WG2 invites the authors of Shuishu script (Block 1B300-1B4FF Shuishu Logograms and Block 1B500-1B52F Shuishu Radicals from document N4894R) that was taken out of PDAM 2.2 based on ballot comments, to revise their proposal, taking into account the feedback received at this meeting (see documents N4942, N4946 and N4956), working with other experts interested in this script. M68 in progress.	In progress.
d.	<i>M66.21 (Primitive Scripts of South West China)</i> : WG2 invites the authors of documents N4856 and N4901, to revise their proposals on Muya, Namuz and Ersu scripts, taking into account the feedback received at this meeting, working with other experts interested in this script. M68 in progress.	In progress.

17.6 New action items from meeting 68, Microsoft Campus, Redmond, WA, USA; 2019-06-17/21

Item	Assigned to / action (Reference recommendations in document N5054, and unconfirmed minutes in document N5122 for meeting 68 - this document you are reading).	Status
AI-68-1	Recording Secretary - Dr. V.S. UMaaheswaran	
a.	To finalize the document N5054 containing the adopted meeting recommendations and send it to the convener as soon as possible.	Completed. Document N5054.
b.	To finalize the document N5122 containing the unconfirmed meeting minutes and send it to the convener as soon as possible.	
AI-68-2	Convener - Mr. Michel Suignard	
a.	To add relevant contributions carried forward from previous meetings to agenda of next meeting. (See list of documents under AI-68-11, item c below.)	
AI-68-3	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>M68.01 (Disposition of ballot comments of CD-2 to 6th Edition)</i> : WG2 recommends that SC2 accepts the disposition of ballot comments on CD-2 to 6 th edition in document N5106. The following significant changes are noted: <ul style="list-style-type: none"> a. Remove: A7C0 LATIN CAPITAL LETTER THORN WITH DIAGONAL STROKE, and A7C1 LATIN SMALL LETTER THORN WITH DIAGONAL STROKE. Change the glyphs at A764 and A765 to have diagonal strokes instead of horizontal strokes. b. Remove 3050C (UK-02790) and add source reference UK-02790 to 22C3A. c. Move Gongche characters from 9FF0..9FF6 to 2A6D7..2A6DD (end of CJK Ext. B). d. Add UK-01969 (RS 140.9) as new entry in CJK Ext. G (new position is 30C5D). 	

	e. Remove: 11A48 ZANABAZAR SQUARE CLUSTER-INITIAL LETTER LA, and 11A49 ZANABAZAR SQUARE CLUSTER-INITIAL LETTER SA.	
	b. <i>M68.02 (Counting Rod Numerals)</i> : WG2 recommends that the Project Editor remove 5 Southern Song counting rods at 1D379..1D37D from the CD of 6 th edition, based on the feedback in document N5071, pending a revised contribution.	
	c. <i>M68.03 (Yezidi script)</i> : WG2 recommends that the Project Editor add the encoding of the Yezidi script proposed in document N5053, in a new block named Yezidi in the range 10E80..10EBF, and populate it with 47 characters at 10E80..10EA9, 10EAB..10EAD and 10EB0..10EB1, with their names and glyphs shown in document N5100.	
	d. <i>M68.04 (Tangut character additions)</i> : WG2 recommends that the Project Editor add the following characters with their glyphs, source references and radical counts, as shown in document N5100 for encoding in the standard, based on the proposal in document N5064, and suggested modifications in document N5095: a. 9 new Tangut ideographs at 18D00..18D08 in a new block named Tangut Supplement in the range 18D00..18D7F, and b. 6 new Tangut components at 18AFA..18AFF in the Tangut Components block.	
	e. <i>M68.05 (Latin character additions)</i> : WG2 recommends that the Project Editor add the following characters with their glyphs as shown in document N5100 for encoding in the standard: a. A7C7 LATIN CAPITAL LETTER D WITH SHORT STROKE OVERLAY A7C8 LATIN SMALL LETTER D WITH SHORT STROKE OVERLAY A7C9 LATIN CAPITAL LETTER S WITH SHORT STROKE OVERLAY A7CA LATIN SMALL LETTER S WITH SHORT STROKE OVERLAY. in Latin Extended-D block, based on the proposal in document N5044, and suggested modifications in document N5095. b. 2E52 TIRONIAN SIGN CAPITAL ET in Supplemental Punctuation block, based on the proposal in document N5042, and suggested modifications in document N5095. a. A7F5 LATIN CAPITAL LETTER REVERSED HALF H A7F6 LATIN SMALL LETTER REVERSED HALF H in Latin Extended-D block, based on the proposal in document N5039. b. 1ABF COMBINING LATIN SMALL LETTER W BELOW 1AC0 COMBINING LATIN SMALL LETTER TURNED W BELOW in Combining Diacritical Marks Extended block, and, AB68 LATIN SMALL LETTER TURNED R WITH MIDDLE TILDE AB69 MODIFIER LETTER SMALL TURNED W AB6A MODIFIER LETTER LEFT TACK AB6B MODIFIER LETTER RIGHT TACK in Latin Extended-E block, based on the proposal in document N5036.	
	f. <i>M68.06 (CJK Extension G Updates)</i> : WG2 recommends that the Project Editor incorporate the additions, disunifications, source reference corrections, radical corrections and glyph corrections arising out of the review of CJK Extension G (30000..3134F) in CD-2 of the standard, summarized in document N5065. The following additions and deletions are to be noted: Additions to CJK Ext-G: UK-01969(30C5D), GZ-4511301(30DD9), GZ-0722601(307BF) Deletions due to Unifications: UK-02790(formerly at 3050C), GZ-1861301(formerly at 309C9) (New CJK Ext. G range is 30000..3134A.)	
	g. <i>M68.07 (CJK Extension A Additions)</i> : WG2 recommends that the Project Editor add ten (10) characters 4DB6..4DBF to CJK Extension A (3400..4DBF) that resulted from disunifications that are summarized in document N5068, with background information in documents N5080 (4), N5081 (1), N5083 (4), and N5094 (1).	
	h. <i>M68.08 (China and TCA UNCS)</i> : WG2 recommends that the Project Editor add thirteen (13) characters at 9FF0..9FFC in the CJK Unified Ideographs block (4E00..9FFF), with their glyphs, source references and radical stroke information as shown in document N5100 for encoding in the standard, based on the proposal in documents N5072 and N5107.	
	i. <i>M68.09 (Miscellaneous CJK updates)</i> : WG2 recommends that the Project Editor incorporate the changes to glyphs, source references, horizontal extensions and radical stroke information from document N5068 for inclusion in the standard.	
	j. <i>M68.10 (Miscellaneous additions)</i> : WG2 recommends that the Project Editor add the following	

	<p>characters with their glyphs as shown in document N5100 for encoding in the standard:</p> <ul style="list-style-type: none"> a. 2E50 CROSS PATTY WITH RIGHT CROSSBAR, and 2E51 CROSS PATTY WITH LEFT CROSSBAR in the Supplemental Punctuation block, based on the proposal in document N5037. b. 1019C ASCIA SYMBOL in Ancient Symbols block, based on the proposal in document N5038. c. 11147 CHAKMA LETTER VAA in Chakma block, based on the proposal in document N5055. d. 31BC BOPOMOFO LETTER GW 31BD BOPOMOFO LETTER KW 31BE BOPOMOFO LETTER OE, and 31BF BOPOMOFO LETTER AH in Bopomofo Extended block, based on the proposal in document N5052. c. 08C5 ARABIC LETTER JEEM WITH THREE DOTS ABOVE, and 08C6 ARABIC LETTER JEEM WITH THREE DOTS BELOW in Arabic Extended A block, based on the proposal in document N5049. d. 08C7 ARABIC LETTER LAM WITH SMALL ARABIC LETTER TAH ABOVE in Arabic Extended-A block, based on the proposal in document N5048. 	
k.	<i>M68.11 (Adlam font)</i> : WG2 recommends that the Project Editor replace the font with the new font proposed in document N5076 for the code chart for Adlam script (1E900..1E95F) in the standard, based on the rationale provided in that document.	
l.	<i>M68.12 (Font for CJK Radicals supplement and Kangxi Radical blocks)</i> : WG2 recommends that the Project Editor replace the font with the new font proposed in document N5069 for the code chart for CJK Radicals Supplement block (2E80..2EFF) and Kangxi Radicals block (2F00..2FDF) in the standard, based on the rationale provided in that document.	
m.	<i>M68.13 (Consideration for attachments and references in the next edition)</i> : WG2 recommends that the Project Editor create two separate clauses separating the lists of references in the standard: one with the list of data files that would have been attached to the standard, and the other a list of normative references to items common with the Unicode Standard. Further, WG2 recommends that the project editor adopt the proposed changes from CD-2 disposition of comments for TE.1 from Japan, on page 11 in document N5106. Also, WG2 requests that SC2 endorses this recommendation for preparation of the 6th edition of the standard.	
n.	<p>Missed item from recommendations: (From document N5056 on <i>Emoji input</i>) The 55 characters that were accepted for inclusion in the standard, are listed below:</p> <p>4 characters in Transport and Map Symbols block: 1F6D6 HUT, 1F6D7 ELEVATOR, 1F6FB PICKUP TRUCK, and 1F6FC ROLLER SKATE</p> <p>10 characters in Supplemental Symbols and Pictographs block: 1F90C PINCHED FINGERS, 1F972 SMILING FACE WITH TEAR, 1F977 NINJA, 1F978 DISGUISED FACE, 1F9A3 MAMMOTH, 1F9A4 DODO, 1F9AB BEAVER, 1F9AC BISON, 1F9AD SEAL, and 1F9CB BUBBLE TEA</p> <p>41 characters in Symbols and Pictographs Extended-A block: 1FA74 THONG SANDAL, 1FA83 BOOMERANG, 1FA84 MAGIC WAND, 1FA85 PINATA, 1FA86 NESTING DOLLS, 1FA96 MILITARY HELMET, 1FA97 ACCORDION, 1FA98 LONG DRUM, 1FA99 COIN, 1FA9A CARPENTRY SAW, 1FA9B SCREWDRIVER, 1FA9C LADDER, 1FA9D HOOK, 1FA9E MIRROR, 1FA9F WINDOW, 1FAA0 PLUNGER, 1FAA1 SEWING NEEDLE, 1FAA2 KNOT, 1FAA3 BUCKET, 1FAA4 MOUSE TRAP, 1FAA5 TOOTHBRUSH, 1FAA6 HEADSTONE, 1FAA7 PLACARD, 1FAA8 ROCK, 1FAB0 FLY, 1FAB1 WORM, 1FAB2 BEETLE, 1FAB3 COCKROACH, 1FAB4 POTTED PLANT, 1FAB5 WOOD, 1FAB6 FEATHER, 1FAC0 HEART, 1FAC1 LUNGS, 1FAC2 PEOPLE HUGGING, 1FAD0 BLUEBERRIES, 1FAD1 BELL PEPPER, 1FAD2 OLIVE, 1FAD3 FLATBREAD, 1FAD4 TAMALE, 1FAD5 FONDUE, and 1FAD6 TEAPOT.</p>	
o.	<i>M68.14 (Progression of CD)</i> : WG2 recommends that the Project Editor prepare the final text of CD of the 6th edition of the standard, which will include the changes arising from recommendation M68.01 through M68.13 above, along with the final disposition of comments (document N5106 http://www.unicode.org/wg2/docs/n4952R-dam1DOC.pdf), and forward it to the SC2 secretariat for processing as an CD-3 ballot. The draft code charts are in document N5100. The target starting dates are modified to CD-3 2019-08, DIS 2019-11, FDIS 2020-07.	
AI-68-4	IRG Rapporteur and IRG Editor (Dr. Lu Qin)	
	To take note of and act upon the following item:	
a.	<i>Recommendation M68.17 (IRG Name Change)</i> : WG2 recommends that SC2 change the name of IRG from 'Ideographic Rapporteur Group' to 'Ideographic Research Group', and make the IRG an	

	ad hoc group reporting to WG2, continuing with its current mission of reviewing contributions on encoding of Unified Ideograph characters in support of East Asian languages, assisting WG2 in the continued development and maintenance of ISO/IEC 10646.	
AI-68-5	Ad hoc group on roadmap (Dr. Umamaheswaran)	
a.	To update the Roadmaps with the results from this meeting.	Completed. See latest roadmaps .
AI-68-6	Experts from TCA (Selena Wei), China (Chen Zhuang), Japan (Toshiya Suzuki), and other experts interested in Small Seal script	
	To take note of and act on the following item:	
a.	<i>Recommendation M68.15 (Small Seal script):</i> WG2 recommends that SC2 notes the progress made by the experts in document N5089, and encourages the experts to continue the work towards a contribution for encoding the script, taking into account the feedback documents and discussion at this meeting (document N5108). WG2 notes that another ad hoc meeting of experts is planned to be held from 2019-09-30 to 2019-10-01 at Tatung University, Taipei, and invites all the interested experts to take note towards planning to attend the meeting (see document N5109).	
AI-68-7	Experts from China (Chen Zhuang), and other experts interested in Lisu Monosyllabic script.	
	To take note of and act on the following item:	
a.	<i>Recommendation M68.18 (Lisu Monosyllabic Script):</i> WG2 invites the authors of documents N5047 to revise their proposal on Lisu Monosyllabic script, taking into account the feedback received at this meeting, working with other experts interested in this script.	
AI-68-8	Experts from TCA (Selena Wei), and other experts interested in Bopomofo.	
	To take note of and act on the following item:	
a.	<i>Recommendation M68.19 (Bopomofo Script):</i> WG2 invites the authors of documents N5088 to revise their proposal on Bopomofo script, taking into account the feedback received at this meeting, working with other experts interested in this script.	
AI-68-9	Experts from TCA (Selena Wei), China (Chen Zhuang), and other experts interested in Oracle Bone script.	
	To take note of and act on the following item:	
a.	<i>Recommendation M68.20 (Oracle Bone Script):</i> WG2 invites the authors of documents N5090 to revise their proposal on Oracle Bone script, taking into account the feedback received at this meeting, working with other experts interested in this script.	
AI-68-10	Experts from China (Chen Zhuang), UK (Andrew West), Japan (Toshiya Suzuki), Ireland (Mr. Michael Everson). TCA (Lin Mei Wei), Experts from Mongolia, and other experts interested in Mongolian script.	
	To take note of and act on the following item:	
a.	<i>Recommendation M68.16 (Mongolian):</i> WG2 accepts the report of the Unicode Mongolian working group at this meeting, and recommends that SC2 note the different action items in N5103. WG2 endorses the creation of the Unicode Technical Report UTR#54 to document the Mongolian variants information and implementation guidelines, towards simplification of the Mongolian names list and referencing from ISO 10646. WG2 further encourages the experts to continue the work on open items identified in the report. WG2 also notes that a WG2 ad hoc Mongolian meeting will take place from 2020-04-01/03 at Adobe, San Jose, CA, USA (tentative location) (Michel Suignard as the convener), and invites all the interested experts to take note towards planning to attend the meeting.	
AI-68-11	Experts from all national bodies and liaison organizations	
	To take note of and provide feedback on the following items.	
a.	<i>Recommendation M68.21 (Future meetings):</i> WG2 endorses the following schedule for future meetings: WG2 Meeting 69 – 2020-06-15/19 – (Japan, Location to be announced), Scotland, UK <i>backup</i> (Co-located with SC2 plenary meeting 25) WG2 Meeting 70 – 2021-06 (Dundee, Scotland, UK), Canada backup IRG Meeting 54 Los Gatos, CA, USA 2020-05-18/22 (Unicode/Netflix) IRG Meeting 55 New Haven, CT, USA, 2020-10-19/23 (Yale University) Ad Hoc meeting on Small Seal, 2019-09-30 to 2019-10-01, Tatung University, Taipei, Taiwan, Host: TCA (see document N5109 for details). Ad Hoc meeting on Mongolian, 2020-04-01/03, Host: Adobe, San Jose, CA, USA (tentative location).	
b.	To provide feedback to the author(s) of document N4749 on Circled Numbers, document N5040 on Three Christian Symbols, document N5041 on Jianzi Musical Notation and Format Controls, document N5043 on proposal for ten characters for Middle English, document N5045 on proposal for two characters for Middle Scots, document N5063 on Egyptian Hieroglyphs Extension,	

	document N5092 on Tamga symbols, document N5098 on Western Cham script, and document N5101 on proposal on Komi letters. (All these documents were discussed at this meeting).	
c.	Script proposals carried from previous meetings (with updated references): Afáka (N4292), Bagam (N4293), Balti 'B' (N4016), Balti scripts (N3842), Bété (N4876), Bima (L2/16-119), Brusha (L2/17-183), Buginese extensions (L2/16-159), Chinese Chess Symbols (N3910), Cypro-Minoan (N4733), Diwani Siyaq Numbers (L2/15-066R), Egyptian Hieroglyphs Extended-A (N5063), Egyptian Hieroglyphs Extended-B (N4944), Eebee Hmong (N4668), Garay (N4709), Jurchen (N4795), Kawi (N4266), Kerinci (L2/16-074), Khambu Rai (N4018), Khatt-i Baburi (N4130), Khitan Large (N4631 , N4642), Khotanese (L2/15-022), Kpelle (N3762), Kulitan (L2/15-232), Lampung (L2/16-073), Landa (N3768), Leke (N4438), Loma (N4786 , N4837), Lota Ende (L2/16-076), Mandombe (L2/16-077R), Moon (N4128), Mwangwego (N4323), Naxi Dongba (N4898), Naxi Geba (N4886 , N4887), Obsolete Simplified Chinese Ideographs (N3695), Old Yi (N3288), Oracle Bone (N4687), Palaeohispanic Northern (L2/19-332), Palaeohispanic Southern (L2/19-333), Pau Cin Hau Syllabary (L2/16-014), Persian Siyaq (L2/15-112R), Proto-Cuneiform (N4797), Pungchen (L2/17-181), Pyu (N3874), Ranjana (N4515 , L2/16-015), Southwest China Hieroglyphs (N4856 , N4901), Sumbawa (L2/16-096), Tigalari (L2/17-378), Tocharian (L2/15-236), Tolong Siki (N3811), Vexillology symbols (L2/17-089), Vithkuqi (N4854), Western Cham to (N5098), Woleai (N4146), and Zou (N3864).	