L2/01-154   SC22/WG20 N825

Universal Multiple-Octet Coded Character Set
(UCS)

Source:	WG 2 meeting 40, Mountain View, CA, USA, 2001-04-02/06
Title:	Resolutions of WG 2 meeting 40
Action:	For approval by SC 2 and for information to WG 2 and WG 3
Status:	Adopted at meeting 40 of WG 2
Distribution:	ISO/IEC JTC 1/SC 2 and WG 2

Canada, China, Ireland, Japan, Lithuania, DPR of Korea, Republic of Korea, Sweden, the Unicode Consortium (Liaison), and the USA were represented when the following resolutions were adopted.

27 delegates representing **9** national bodies, **1** liaison organization, and **4** guests were present at different times during the meeting (see attached attendance list).

RESOLUTION M40.1 (Ad hoc report on Korean):

Unanimous

With reference to the Korean ad hoc report in document N2331, WG 2

a. Advises the Korean ad hoc group to take note of and respect the following principles:
   i.   once a character is assigned a code position in the standard it cannot be reassigned in the interest of ensuring interoperability of standardized characters.
   ii. the arrangement of the characters in the standard is fixed; sorting and collation of the characters is outside the scope of the standard.
   iii. the character names chosen by WG 2 for the English version of the standard are unique, fixed and may be arbitrary; once a character name is assigned, it *cannot* be changed even if additional information is provided later. These name strings are used in implementations, for example to establish correspondences with characters in other standards.
   iv. any inconsistencies in names could be adjusted in other language versions either when the standard is translated or in supplementary external documentation.
b. nominates Professor Kyongksok Kim and an expert from DPR of Korea (name to be provided later) as co-chairs of the Korean ad hoc group;
c. invites the Korean ad hoc group to review and refine the proposals from DPR of Korea according to the Korean ad hoc recommendations in document N2282 from meeting M39 in Athens;
d. invites the Korean ad hoc group to prepare and contribute towards developing a set of Data Tables containing the sources for the CJK ideographs in 10646-1 (similar to the other CJK source data tables in FDIS 10646-2) for consideration by the IRG;
e. recommends that the Korean ad hoc group direct items that are outside the scope of 10646, to other appropriate standards groups, for example ordering of Korean characters to SC 22/WG 20; and,
f. suggests to DPR of Korea that one avenue for addressing their concerns about names for Korean characters in 10646-1 (English version) is to prepare a Korean language version of 10646 standard using the most appropriate Korean names for the 10646 characters.

RESOLUTION M40.2 (Principles and Procedures):

Unanimous

With reference to document N2352, WG 2 accepts the revisions to the principles and procedures, modified with comments from meeting 40 (as documented in N2352R). WG 2 further resolves to make this document and the updated versions of the Proposal Summary Form and the Roadmap documents accessible on the WG 2 web site home page as public documents, using a stable URL (such as ../roadmaps.html).

RESOLUTION M40.3 (FDIS 10646-2):

Unanimous

WG 2 notes the ballot results and comments in document N2337 to FDIS 10646-2 (N2309) and instructs its editor with assistance from the contributing editors, to prepare the .PDF files containing the final text of IS 10646-2, incorporating editorial changes discussed during the meeting, and forward it in a form suitable for ITTF publication on a CDROM, to meet the original publication target date of December 2001.

RESOLUTION M40.4 (PDAM-1 to 10646-1:2000):

Unanimous

WG 2 accepts the disposition of comments in document N2355 to ballot responses in documents N2328 on PDAM-1 to 10646-1: 2000. WG 2 particularly notes that the character at 17DD KHMER SIGN LAAK has been removed (pending further clarification), four new Recycling Symbols have been added, 25FF was moved to 27D0, and new 25FF LOWER RIGHT TRIANGLE was added . Also some character names and several character shapes have been refined, in PDAM-1, per national body comments. WG 2 instructs its editor with assistance from the contributing editors to prepare the text for FPDAM-1 reflecting the disposition of comments and the additional characters accepted per resolution M40.5 below. WG 2 further instructs its editor to submit the FPDAM-1 text along with the disposition of comment to the SC 2 secretariat for further processing with unchanged target completion dates -- FPDAM 2001-10, FDAM 2002-02, AM 2002-06.

RESOLUTION M40.5 (Additional characters for BMP):

Unanimous

WG 2 accepts the following new characters:
   a. 0220 in the BMP – LATIN CAPITAL LETTER N WITH LONG RIGHT LEG, with the proposed glyph in section 5c of document N2306R;
   b. 74 new Math Symbols including 11 Long Arrows recommended for inclusion by the Math Ad hoc group, with glyphs, names and positions per document N2356, with 21A4 moved to 21F4, and changes to block names discussed during the meeting;
   c. 14 additional Zapf Dingbat characters at positions 2768 through 2775, with the proposed names on page 4 and the proposed glyphs on page 5 of document N2321;
   d. FE73 in the BMP, ARABIC TAIL FRAGMENT with the glyph proposed on page 5 of document N2322;
   e. 066E ARABIC LETTER DOTLESS BEH and 066F ARABIC LETTER DOTLESS QAF, with glyphs shown in document N2357;
   f. 10F7 GEORGIAN LETTER YN and 10F8 GEORGIAN LETTER ELIFI, with glyphs shown in document N2346R;
   g. 034F – COMBINING GRAPHEME JOINER – with a glyph composed of a dotted circle with a dashed box with the letters CGJ inside it;
   h. Per discussion in meeting 40 on disposition of comments to ballot responses to PDAM-1 from Ireland and the US:
        267A RECYCLING SYMBOL FOR GENERIC MATERIALS
        267B BLACK UNIVERSAL RECYCLING SYMBOL
        267C RECYCLED PAPER SYMBOL
        267D PARTIALLY-RECYCLED PAPER SYMBOL
        25FF LOWER RIGHT TRIANGLE
        in the BMP, with the glyphs as shown on page 3 of Irish comments in document N2328.

WG 2 further resolves to progress these characters as part of Amendment 1 to 10646-1: 2000, and instructs its editor to include these characters in the text of FPDAM-1 (per resolution M40.4 above).

RESOLUTION M40.6 (Correction of Glyph Errors):

Unanimous

WG 2 acknowledges several glyph errors in 10646-1 reported in the ballot responses in document N2238 to PDAM-1 and instructs its editor with assistance from the contributing editors to add the necessary corrections to the editorial corrections accumulated at the end of meeting 39 (updated document N2232 to be prepared by the editor per resolution M39.5, in document N2254R).

WG 2 further resolves to process those glyph corrections needed for the code tables in FPDAM-1 as part of FPDAM-1, and instructs its editor with assistance from the contributing editors to include the necessary corrigenda in FPDAM-1 text per resolution M40.4 above.

WG 2 further instructs its editor to create with the assistance of the contributing editors the text for a corrigendum to 10646-1: 2000 containing the remaining items from the editorial corrigenda, and submit to SC 2 secretariat for further processing as a minor revision.

RESOLUTION M40.7 (Disunified Math Symbols):

US Negative

WG 2 provisionally accepts to add 6 new math symbols (2B00 to 2B05), rename two math symbols (at 2985, 2986 currently in FPDAM-1), add two characters (at 33DE, 33DF in the CJK block), per recommendation of the Math ad hoc group in document N2345R, with the intent of including these in the standard in the FDAM-1 to 10646-1. This provisional acceptance is to permit member bodies and liaison organizations to review and comment by the next meeting of WG 2 in October 2001.

RESOLUTION M40.8 (Defect Report – JIS X0213):

Japan Abstains

WG 2 rejects the request for a future technical corrigendum proposed in document N2334 from Japan, on the basis that the problem reported is not a defect in (FDIS) 10646-2.

RESOLUTION M40.9 (Future Meetings):

Unanimous

WG 2 meetings:
      Meeting 41 – October 15–19, 2001, Singapore (co-located with SC 2 plenary)
      Meeting 42 – March/April 2002 –Ireland (Sweden, Norway as backups)
      Meeting 43 – Fall 2002 (co-located with SC 2 plenary) Japan (Norway backup).
IRG meetings:
      IRG 17 HKSAR, 2001-06-18/22
      IRG 18 Japan, 2001-12-03/07

RESOLUTION M40.10 (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 M40.11 (Appreciation):

By Acclamation

WG 2 thanks its hosts the US member body, Microsoft Corporation and the Unicode Consortium for hosting the meeting, to Arnold Winkler of Unisys for providing the hardcopies of documents for the meeting, and Ms. Magda Danish for providing excellent secretarial and administrative support. WG 2 further thanks the US Member Body and the sponsors, for their kind hospitality and the excursion to the Monterey peninsula and nearby attractions.

The following twenty seven (**27**) delegates representing nine (**9**) national bodies, one (**1**) liaison organization and four (**4**) Guests attended the meeting.

Name	Representing	Affiliation
Alain La Bonté	Canada	Secrétariat du Conseil du trésor du Québec, Gouvernement du Québec
V. S. (Uma) Umamaheswaran	Canada, Recording Secretary	IBM Canada
Jin Zhen-Rong	China	Kyung Hee University
Zhang Zhoucai	China, IRG Rapporteur	CCID
Christian Cooke	Ireland	Lionet Technologies
Michael Everson	Ireland	Everson Gunn Teoranta
Shun ISHIZAKI	Japan	Keio University
Takayuki K. SATO	Japan	Centre of the International Cooperation for Computerization
Tatsuo L. KOBAYASHI	Japan	Justsystem Corporation
Jo Nam Ho	DPR of Korea	Academy of Sciences of DPR Korea
Kim Yong Song	DPR of Korea	Committee for Standardization
Kim Yu Jong	DPR of Korea	Pyongyang Informatics Centre
Pak Dong Gi	DPR of Korea	Committee for Standardization
Gwang-Hwa JUNG	Republic of Korea	Agency for Technology and Standards, MOCIE
Kyongsok Kim	Republic of Korea	Busan National University
Tae-Su Han	Republic of Korea	Agency for Technology and Standards
Asmus Freytag	Liaison - The Unicode Consortium	Unicode, Inc.
Vladas Tumasonis	Lithuania	Vilnius University
Deborah Anderson	Guest	University of California, Berkeley, CA, USA
Joseph D. Becker	Guest	Xerox Corporation
Richard S. Cook	Guest	University of California, Berkeley, CA, USA
Matthew Y. Ahn	Guest (Chinese Translator)	K.C. Services, Fullerton, CA, USA
Kent Karlsson	Sweden	Industri-Matematik International
Arnold F. Winkler	USA	Unisys Corporation
Hideki Hiura	USA	Sun Microsystems Inc.
Joan Aliprand	USA	Research Libraries Group
Ken Whistler	USA	Sybase, Inc.
Lisa Moore	USA	IBM Corporation
Michael Y. Ksar	USA, Convener	Unicode, Inc.
Michel Suignard	USA; Editor Parts 1 & 2	Microsoft Corporation
Edwin F. Hart	USA; Editor TR 15285	SHARE; Applied Physics Laboratory, Johns Hopkins University