ISO/IEC JTC1/SC2/WG2/IRG N1458

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Editors from China, Japan, R.O.Korea, TCA, Hong Kong SAR, US/Unicode Consortium and Mr. Yeoh Sim Joo (editor of potential member body of Malaysia) and Mr. John Knightly (individual) met at IRG#30. The editors discussed issues on Ext. B Consolidation and Format.

References:
- Andrew West: IRGN1425(comments)
- Chen Zhuang and Wang Xiaomig: IRGN1456 (consolidated comments and glyph list of "font errors") Note: The "consolidated comments" does not contain comments from TCA, HKSAR, ROK and Mr. Andrew West, their comments were submitted late, but were reviewed at IRG#30.
- Japan: IRGN1411 (Japan activity report, CJK_B format related)
- WG2: IRGN1422 (CJK_B format in next version of ISO/IEC 10646)

The editors drew the following conclusions:

1. Font errors and unification issues of current Multi-Column Code Charts of CJK_B
   After reviewing font errors and unifications in comments, the editors believed that these problems were introduced when making the current Multi-Column Code Charts of CJK_B.
   - The IRG Technical Editor was required to update the code charts with help of IRG members.
   - The IRG members were required to update their fonts according to ISO/IEC 10646: 2003 and its amendments to avoid introducing unification problems. The SuperCJK140 could be reference for unification issues when updating fonts.

- The IRG members were required to provide explanations if the updated fonts would introduce unification issues/problems. All the explanations shall be registered as IRG documents.

2. Mapping errors
   The IRG Technical Editor was required to fix mapping errors according to comments from TCA in IRGN1456 (consolidated comments).

3. Glyph missing
   Glyphs of U+27068 (TF-6362), U+2A13A (G-KX-1498.400) and U+20957(宋本廣韻 248.24 G_SGY0248.24, variant of U+3533) shall be added. The above 3 sources were requested to be added to the next version of ISO/IEC 10646.
   Glyphs of U+221EC, U+22FDD and U+24FB9 will not be added because no fonts are available and no sources are given in ISO/IEC 10646: 2003. The glyphs could be added if sources are found and fonts are provided in future.

4. Original glyphs of CJK_B of ISO/IEC 10646: 2003
   The IRG Technical Editor was required to add original glyphs of CJK_B of ISO/IEC 10646: 2003 to the next version of CJK_B multi-column code charts for easy review.

5. Choosing format of CJK ideographs in next version of ISO/IEC 10646
   After reviewing comments of IRGN1411 (Japan) and IRGN1422 (WG2), the editors discussed and agreed to request WG2 to process CJK characters in next version of ISO/IEC 10646 with the following formats:
   - CJK and CJK_A: use format of page 5 of IRGN1422 (WG2N3408) according to the table and order below:

C		J	K		V
G glyph H glyph	T glyph M glyph	J glyph U glyph	K glyph	KP glyph	V glyph

   Note: The Head "K" must be confirmed by DPRK, or K and KP shall be separated.
   - CJK_B: use a format similar to that on page 7 of IRGN1422 (WG2N3408) but using 4 columns and add an additional sub column to show original glyphs in ISO/IEC 10646: 2003.
        Note: G and J indexes could be shortened to prefix (like G_kx and G_hz).
   - CJK_C: use format on page 7 of IRGN1422 (WG2N3408).
   - CJK_D: use format on page 7 of IRGN1422 (WG2N3408).

- UNC: use format on page 7 of IRGN1422 (WG2N3408).

6. Fonts updating
   The education administrations of China and TCA are still checking G-source and T-source glyphs of CJK_B. To follow the potential glyph policies and to avoid introducing unification problems, China and TCA requested for longer time for updating their fonts, the estimated time was 1.5 year (2009-12-31). (Understood by editors.)
   Other IRG members were requested to check their fonts according to the consolidated comments and update fonts if needed.

7. Time table of CJK_B
   - 2009-12-31: All updated fonts shall be submitted to the IRG Technical Editor and IRG Chief Editor.
   - Review of CJK_B is intended to be started early 2010 and ended 2012.