ISO/IEC JTC1/SC2/WG2
Coded Character Set
Secretariat: Japan (JISC)

Doc. Type:	**Draft disposition of comments**
Title:	**Draft disposition of comments on SC2 N 4125 (ISO/IEC FCD 10646, Information Technology – Universal Coded Character Set (UCS))**
Source:	**Michel Suignard (project editor)**
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Comments were received from Armenia, Canada, China, Ireland, Japan, Korea (ROK), U.K, and U.S.A. The following document is the draft disposition of those comments. The disposition is organized per country.

Note – The full content of the ballot comments have been included in this document to facilitate the reading. The dispositions are inserted in between these comments and are marked in **<u>Underlined Bold Serif text</u>**, *with explanatory text in italicized serif*.

Armenia: Positive with comments

Technical comments

T1 Proposal to add NUMERO SIGN

ॸ^ʊ NUMERO SIGN

The symbol is designed for the word in Armenian meaning «Number». It is composed with the capital letter «Ձ» and superscript of small «մ», over of which is placed a special horizontal stroke, which denotes 'honor' and a word reduction. No location proposed.

Propose out of scope

Adding repertoire in the FCD should be considered out of scope. This should be done through the amendment process. If added, it could be added in the Armenian block (0530-058F). It also needs to use a different name. There is already a NUMERO SIGN at 2116, consequently the proposed name would need to be changed.

T2 Proposal to add DRAM SIGN

ֈ DRAM SIGN

The Dram Sign is designed to denominate the Armenian monetary unit. The symbol has been shaped as a superimposition of the capital first letter of «Դրամ» (Dram) word and two horizontal strokes, which stand for 'Scales' and are present in majority of monetary symbols. Proposed at location 20B9.

Propose out of scope

Adding repertoire in the FCD should be considered out of scope. This should be done through the amendment process. If added, it could be added in the Armenian block (0530-058F). It is already proposed at location 058F in proposal WG2 N3771 as ARMENIAN DRAM SIGN.

T3 Proposal to add ETERNITY SIGN

❀ ETERNITY SIGN

The symbol represents the Armenian sign for Eternity. The appearance of the Sign resembles the clockwise rotating ornament, which is composed with curves running from center of the symbol. As a rule the Sign should have eight curves, as this number stands for revival, rebirth and recurrence. However, the symbol may be represented with five and more curves and anti-clockwise as well. No location proposed.

Propose out of scope

Adding repertoire in the FCD should be considered out of scope. This should be done through the amendment process. If added, it could be added in the Armenian block (0530-058F).

T4 Proposal to add MIDDLE DOT SIGN

. MIDDLE DOT SIGN

The appearance of Middle Dot resembles the Latin dot, and similarly to it has to be aligned with the bottom of text lines. However, this punctuation mark in Armenian has a meaning different from the meaning of Latin dot, and has to be used within Armenian sentences and not at the end.

Propose out of scope

Adding repertoire in the FCD should be considered out of scope. This should be done through the amendment process.

Canada: Positive with comments

Editorial comments

Guideline 11 on page 2108 has the following text:
-->

In these cases the customary name reflecting the most general use is given to the character. The customary name may be followed in the list of characters of a particular standard by the name in parentheses which this character has in the script specified by this particular standard.

EXAMPLE

‿ UNDERTIE (Enotikon)

<--

The second sentence and the example should be changed to reflect the change away from parenthetical notation and correspond to the charts in the second edition. The chart / nameslist entry corresponding to the example at 203F has:

-->

203F ‿ UNDERTIE

= Greek enotikon

→ 2323 ⌣ smile

Propose acceptance

The last sentence of the paragraph is changed as follows:

The customary name may be annotated in the list of characters with the script name followed by the transliterated name in that script.

EXAMPLE

203F ‿ UNDERTIE

= Greek enotikon

The editor will look into any similar occurrences describing parenthetical notation which should be updated in a similar fashion. The only remaining annotation in parenthesis is used for Annex R (Hangul Syllables) and is documented as such in that annex, which rules for construction described in sub-clause in 28.7 Character names and annotations for Hangul Syllables.

China: Positive with comments

Comments

The fonts of Multi-column code charts of CJK Main Block should be corrected according to IRG suggestions. The suggestions are hopefully be available after IRG#34 in June, 2010.
Noted

Ireland, Negative

Ireland disapproves the draft with the editorial comments given below. Acceptance of these comments and appropriate changes to the text will change our vote to approval.

Our comments involve requests to replace some of the chart fonts. either because the fonts presently used are of substandard design quality (such as the Malayalam) or in order to restore a uniformity of design to Latin and common punctuation and similar characters. Over the years glyphs have been taken from several different sources, chiefly from John Fiscella, from SIL, and from Michael Everson, and this has brought about a distinct difference in the shapes of many characters. We propose to replace existing chart fonts with those given below. Note that a similar replacement for Greek and Cyrillic fonts has already been completed. Sets like General punctuation have been included here because Supplementary Punctuation uses slightly different glyphs. In general we believe that the glyphs we have proposed below should be generally acceptable, though we are willing to make modifications based on SC2 and UTC recommendations to any particular glyphs which prove problematic.

The editor would like to remind the Irish NB that a ballot answer containing only editorial comments should not be negative.

E1. Page 62, Row 008: C1 Controls and Latin-1 Supplement. Ireland recommends that a uniform Times-like font be used for the glyphs in this block.

E2. Page 67, Row 010: Latin Extended-A. Ireland recommends that a uniform Times-like font be used for the glyphs in this block.

E3. Page 72, Row 018: Latin Extended-B. Ireland recommends that a uniform Times-like font be used for the glyphs in this block.

E4. Page 78, Row 025: IPA Extensions. Ireland recommends that a uniform Times-like font be used for the glyphs in this block.

E5. Page 82, Row 02B: Spacing Modifier Letters. Ireland recommends that a uniform Timeslike font be used for the glyphs in this block.

E6. Page 86, Row 030: Combining Diacritical Marks. Ireland recommends that a uniform Times-like font be used for the glyphs in this block.

E7. Page 335, Row 037: Greek and Coptic. Ireland recommends that the updated Keft from the International Association for Coptic Studies be used for the Coptic glyphs in this block (03E2..03EF).

E8. Page 146, Row 0D0: Malayalam. Ireland recommends that the rather inconsistent font used for Malayalam be replaced with the one given in the table shown below.

E9. Page 155, Row 0E8: Lao. Ireland recommends that the rather inconsistent font used for Lao be replaced with the one given in the table shown below.

E10. Page 237, Row 1E0: Latin Extended Additional. Ireland recommends that a uniform Times-like font be used for the glyphs in this block.

E11. Page 251, Row 200: General Punctuation. Ireland recommends that a uniform Timeslike font be used for the glyphs in this block.

E12. Page 335, Row 2C8: Coptic. Ireland recommends that the updated Keft from the International Association for Coptic Studies be used for the glyphs in this block.
E13. Page 1226, Row FB0: Alphabetic Presentation Forms. Ireland recommends that a uniform Times-like font be used for the seven Latin glyphs in this block.

(charts available in the original ballot document in SC2 Nxxxx)

Propose acceptance in principle
The requested changes cover 1000s of character representation which introduce a massive regression risk. The editor would like to reserve the right to exercise his editorial prerogative in accepting such changes. There are specific concerns at changing the whole Latin repertoire and its related symbols. The new charts have significant differences in symbol size and diacritics in ratio to their base characters and represent a significant style variation from the current chart. It is mostly a matter of thorough review by font experts to make sure the new set is actually an improvement over the current set.

Concerning Lao and Malayalam, specific expert review is required to compare the current and newly proposed set and make appropriate decision.

Japan, Negative

Japan disapproves ISO/IEC CD10646 (SC2N4079) with comments below. Japan will change its vote if the comments are addressed appropriately.

JP.1 (Editorial): all, ISO/IEC 10646 mentions
Change almost all "ISO/IEC 10646" to "this International Standard" (with capital "I" and "S".), except for those appearing in the introductory texts in 4 Terms and definitions.
Rationale
See 6.6.7.2 in ISO/IEC Directives, Part 2
Accepted

JP.2 (General): all, Figure title,
Center the Figure title lines.
Rationale
See 6.6.5.4 in ISO/IEC Directives, Part 2
Accepted

JP.3 (General): Foreword, Note
We understand that this NOTE is only for FCD text and will be disappear in FDIS text. This comment is only to make sure the change [is done].
Proposed change
Remove the NOTE at the end of the Foreword.
Accepted

JP.4 (Editorial): Clause 3, Normative references
Change the entire introductory paragraph to following:
The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.
Rationale
See 6.2.2 in ISO/IEC Directives, Part 2
Accepted

JP.5 (Editorial): Clause 4, Terms and definitions, First paragraph
Change "ISO/IEC 10646" to "this document"..
Rationale
See 6.3.1 and 6.6.7.2 in ISO/IEC Directives, Part 2
Accepted

JP.6 (Editorial): Sub-clause 6.1, Structure, Figure 1
In 10646, its plane numbers are denoted as two hexadecimal digits. See 5 for example.
Proposed change
Change "plane 0", "plane 1", "plane 2" and "plane 3" to "plane 00", "plane 01", "plane 02" and "plane 03" respectively.
Accepted

JP.7 (Editorial): Sub-clause 9.2, UTF-16, Note
Change "this standard" to "this International Standard".
Rationale
See 6.6.7.2 in ISO/IEC Directives, Part 2
Accepted

JP.8 (Editorial): Sub-clause 12.1, Purpose and context of identification, First paragraph

This paragraph gives background information of the identification mechanisms. The particular sentence is a general observation on technical necessity rather than the requirement of this standard.

Also see Annex H in ISO/IEC Directives, Pat 2.

<u>Proposed change</u>

Change the word "must" in the second sentence to "should".

<u>Accepted</u>

JP.8-bis (Editorial): Sub-clause 20.7, Combining Grapheme Joiner

Ignoring the COMBINING GRAPHEME JOINER under the said condition is a mandatory process.

<u>Proposed change</u>

Change the word "should" in the second sentence to "shall".

<u>Accepted</u>

JP.9 (Editorial): Sub- clause 23.1 List of source references, 2nd paragraph

"0 and 23.4" should be a mistake. After the arranging the texts, the subclause this sentence refers to became the clause it belongs. We need some re-wording.

<u>Proposed change</u>

Change "listed in 0 and 23.4" to "listed below in this clause."

<u>Accepted</u>

See also Korean comments T6 and T7.

Note also that the disposition of comment JP9 in the CD10646 ballot was not fully conveyed in the FCD text. The list in this sub-clause was not update as requested. This will be done in the next version of 10646.

Old 23.1	New 23.1
G_4K	G4K
G_BK	GBK
G_CH	GCH
G_CY	GCY
G_CYY	GCYY
G_FZ	GFZ
G_GFHZB	GFHZB
G_GH	GH
G_GJZ	GJZ
G_HC	GHC
G_HZ	GHZ
G_IDC	GIDC
G_XC	GXC
G_ZFY	GZFY
G_ZJW	GZJW
G_KX	GKX
J_ARIB	JARIB

JP.10 (Technical): Sub-clause 23.1 List of source references, second paragraph

The name "Hanyo-Denshi Program (汎用電子情報交換環境整備プログラム)" should not be followed by a year. [This comment is also included in those against FPDAM8]

<u>WG2 discussion</u>

(Same text as the FPDAM8 disposition)

Most of the source references (except for G sources) are currently dated. This is an important feature which improves the immutability of the references. Without it, the references may be invalidated by a further revision of the source document without any way for the user of the standard to be alerted.

Because this principle is not formally enforced, the Japanese request could be accommodated but is nevertheless not optimal. An alternative is to have some mentions of edition number.

JP.11 (Editorial): Sub-clause 23.1, Source reference presentation for CJK UNIFIED IDEOGRAPHS block,

Although this is just an example, it should show a correct chart.

<u>Proposed change</u>

Remove a duplicate entry for 4E17
<u>Accepted</u>
See also Korean comment T12.

JP.12 (Editorial): Sub-clause 23.3.2, Source reference presentation for CJK UNIFIED IDEOGRAPHS EXTENSION A, second paragraph
The figure actually shows the entry 41DD, too.
<u>Proposed change</u>
Change "41CB-41CC, 41DC, and 41EE" to "41CB-41CC, 41DC-41DD, and 41EE".
<u>Accepted</u>
See also Korean comment T13
Because the body text of the standard and the charts are produced by totally different process, it is quite difficult to synchronize the sub clause 23.3 until the chart content is stable. The editor will make sure that the sub-clause reflects the final state of the chart.

JP.13 (Editorial): Sub-clause 23.3.2, Source reference presentation for CJK UNIFIED IDEOGRAPHS EXTENSION A, Figure 3
Although this is just an example, it should show a correct chart.
<u>Proposed change</u>
Replace an open square glyph on the entry for 41DC with an appropriate K-source glyph.
<u>Accepted</u>
See also Korean comment T13.

JP.14 (Editorial): Sub-clause 24.5, Name uniqueness
This sentence is a requirement of this standard. (See Annex H in ISO/IEC Directives part 2.)
<u>Proposed change</u>
Change the word "must" to "shall".
<u>Accepted</u>

JP.15 (Editorial): Clause 25, Named UCS Sequence Identifiers, Second list item after the third paragraph
The current format of the "NUSI.txt" file uses a different syntax from 10646 itself to represent a UCS sequence identifier (USI). It is inappropriate. We should follow the syntax that the standard itself defines. (Japan believes Unicode Consortium to revise its UAX #34 to synchronize with 10646 after this change, although this opinion is not part of its ballot comment.) (Also see comments JP31 and JP32.)
<u>Proposed change</u>
Replace the entire list item for the second field with "2nd UCS sequence as defined in 6.6."
<u>Accepted</u>
Unless the Unicode Consortium changes its format, this is however a synchronization concern and the editor can only hope that the two formats are made identical.

JP.16 (Editorial): Clause 25, Named UCS Sequence Identifiers, Note 3
The list defined in UAX#34 is out-of-date at this moment. Japan understand it is yet another "UCS-Unicode synchronization of publishing date" issue, and considered that it is not wise to add yet more synchronization headache.
<u>Proposed change</u>
Remove NOTE 3 entirely.
<u>Accepted</u>

JP.17 (Editorial): Clause 26, Structure of the Basic Multilingual Plane, Figure 6
ISO/IEC Directives doesn't allow use of an asterisk to tie the note with the location in the figure to be noted.
<u>Proposed change</u>
Removes asterisks after "New Tai Lue" in the main figure and before "NOTE 1".
<u>Accepted in principle</u>

In accordance with ISO/IEC Directives Part 2 6.6.5.10, the asterisk in the figure will be replaced by a "ª" and the Note 1 rewritten as follows:
ª New Tai Lue is also known as Xishuang Banna Dai
The 'Note 2' is renamed to 'Note' (no number).

JP.18 (Editorial): Clause 27, Structure of the Supplementary Multilingual Plane for scripts and symbols (SMP), First paragraph

In 10646, its plane numbers are denoted as two hexadecimal digits. See 5 for example.

Proposed change

Change "plane 1" to "plane 01".

<u>Accepted</u>

JP.19 (Editorial): Clause 28, Structure of the Supplementary Ideographic Plane (SIP), First paragraph

In 10646, its plane numbers are denoted as two hexadecimal digits. See 5 for example.

Proposed change

Change "plane 2" to "plane 02".

<u>Accepted</u>

JP.20 (Technical): A new clause between 28 and 29,

The current FCD contains very few words on TIP. When discussing the organization of the document, it looks strange that only TIP has no clause titled "Structure of XX Plane".

It seems to be a good idea in a maintenance view points, too. We WG 2 will add Oracle Bone or other old hanzi script in TIP in a future, and the amendment that adds Oracle Bone will have some text on allocation on TIP. Having this clause now will avoid the amendment to say "... and adjust clause numbers after it" when we add a clause on structure of TIP.

Proposed change

Insert the following text after clause 28. Renumber clauses that follow appropriately.

29 Structure of Tertiary Ideographic Plane (TIP)

The TIP (plane 03) is used for ancient ideographic scripts that are related to but not classified as CJK Unified Ideographs.

All code points in TIP are undefined.

NOTE - TIP may contain scripts such as Oracle Bone or Bronze in future editions of this International Standard.

<u>Accepted</u>

JP.21 (Editorial): Clause 29, Structure of the Supplementary Special-purpose Plane (SSP), NOTEs

This particular clause 29 has only one NOTE. (Another NOTE against Figure 9 should be counted separately. See 6.6.5.9 in ISO/IEC Directives part 2.)

Proposed change

Change "NOTE 2" to "NOTE".

<u>Accepted</u>

Following the same principle, in clause 27 (SMP), it means that "NOTE 1" becomes "NOTE.

JP.22 (Editorial): Clause 29, Structure of the Supplementary Special-purpose Plane (SSP), NOTE to Figure 9

Figure 9 has only one NOTE. (NOTEs against a clause text and a figure are counted separately. See 6.6.5.9 in ISO/IEC Directives part 2.)

Proposed change

Change "NOTE 3" to "NOTE".

<u>Accepted</u>

Following the same principle, in clause 27 (SMP), it means that "NOTE 2" and "NOTE 3" in the figure becomes "NOTE 1" and "NOTE 2" respectively.

JP.23 (General): All code chart for CJK Unified Ideographs (including its extension),

The quality of the CJK ideographs' code chart included in the FCD text is low, and the IRG review work assigned by the last WG 2 meeting is going unsuccessfully. Japan is very much afraid of the possibility that the revised 10646 is published with a set of wrong code chart for CJK ideographs.
Proposed change
Revert the code chart for CJK UNIFIED IDEOGRAPHS block and its EXTENSION blocks to the ones used in the previous edition and amendments.

WG2 discussion
While the editor shares some of Japan's concerns, the proposed change does not make complete sense:
- the FCD uses the same resource as the amendments for CJK Unified Ideographs Ext C and D,
- there are additions in the CJK Unified Ideograph main block that were never properly published in amendments,
- the editor has no process to recreate the CJK charts produced in the previous edition,
- many sources, including Japan and Korea (ROK) have put significant work in creating updated fonts,
- most of the issues seem to be concentrated on extension B, and other extensions seem to be in reasonable shape,
- it should be possible to create a process such as an editorial committee to fix the CJK chart production issues outside the ISO balloting process.

JP.24 (Editorial): Page 1343, Code chart for Kana Supplement , Code chart and the name list
The current representative glyph is inappropriate as we discussed and concluded in the last WG 2 meeting
Proposed change
Replace the representative glyph for 1B000 (KATAKANA LETTER ARCHAIC E) with the following:

Proposed acceptance in principle
This has been a small but complicated issue. The picture provided by Japan does not have a style compatible with other Kana characters. The editor has struggled with the submitters and various contributing editors to come up with a design agreeable by all parties.

JP.25 (Editorial): Annex C, Title,
In 10646, its plane numbers are denoted as two hexadecimal digits. See 5 for example.
Proposed change
Change "plane 1" to "plane 01".
Accepted

JP.26 ([Editorial]): Annex F.1.1, Last paragraph for SOFT HYPHEN,
This sentence is a recommendation to implementers and not a conformance requirement.
Proposed change
Change the word "must" to "should".
Accepted

JP.27 (Technical): Annex F.7.3, Cancelling tag values, First paragraph
This "must" indicates a very high possibility, and is not a requirement, permission, or recommendation. We should use an expression that is *not* reserved for the standard provision.
Proposed change
Change the word "must" to "most likely".
Propose acceptance in principle
The editor would prefer a replacement to "should".

JP.28 (Editorial): Annex S.1.4.2, The last ideographs at the end of the sub-clause,
The purpose of this presentation is to show yet another differences in actual shapes that are considered to have a same abstract shape. This particular case is taken from the difference in G and T glyphs, but the point is not there. The principle should equally be applied to any two glyphs regardless they are in a same source or different sources. Putting G, T, etc. here may mislead readers that the application of the policy depends on the source.
Proposed change

Remove G and T indication above glyphs.
Accepted

JP.29 (Editorial): Annex S.1.4.2, Different of actual shapes, item i)
Insert a middle dot between the first and second shapes.
Accepted

JP.30 (Editorial): Annex S.1.6, Source separation rule, last paragraph
Remove a redundant 之 at the end.
Accepted

JP.31 (Technical): "NUSI.txt" file
The "NUSI.txt" file lucks those named UCS sequence identifiers (NUSIs) added by amendment 7. (The proposed addition assumes the current format. Japan wants the syntax in NUSI.txt to be changed, so be these additions, too. See the comment JP13.)
Proposed change
Add the following named UCS sequence identifiers (NUSIs) to NUSI.txt:
MODIFIER LETTER EXTRA-LOW EXTRAHIGH CONTOUR TONE BAR;02E9, 02E5
LATIN SMALL LETTER AE WITH GRAVE;00E6, 0300
LATIN SMALL LETTER OPEN O WITH GRAVE;0254, 0300
LATIN SMALL LETTER OPEN O WITH ACUTE;0254, 0301
LATIN SMALL LETTER TURNED V WITH GRAVE;028C, 0300
LATIN SMALL LETTER TURNED V WITH ACUTE;028C, 0301
LATIN SMALL LETTER SCHWA WITH GRAVE;0259, 0300
LATIN SMALL LETTER SCHWA WITH ACUTE;0259, 0301
LATIN SMALL LETTER HOOKED SCHWA WITH GRAVE;025A, 0300
LATIN SMALL LETTER HOOKED SCHWA WITH ACUTE;025A, 0301
HIRAGANA LETTER BIDAKUON NGA;304B, 309A
HIRAGANA LETTER BIDAKUON NGI;304D, 309A
HIRAGANA LETTER BIDAKUON NGU;304F, 309A
HIRAGANA LETTER BIDAKUON NGE;3051, 309A
HIRAGANA LETTER BIDAKUON NGO;3053, 309A
KATAKANA LETTER BIDAKUON NGA;30AB, 309A
KATAKANA LETTER BIDAKUON NGI;30AD, 309A
KATAKANA LETTER BIDAKUON NGU;30AF, 309A
KATAKANA LETTER BIDAKUON NGE;30B1, 309A
KATAKANA LETTER BIDAKUON NGO;30B3, 309A
KATAKANA LETTER AINU CE;30BB, 309A
KATAKANA LETTER AINU TU;30C4, 309A
KATAKANA LETTER AINU TO;30C8, 309A
Accepted

JP.32 (Editorial): "NUSI.txt" file
An International Standard should follow the syntax defined in the International Standard itself. (See the comment JP15)
Proposed change
Update the second field of each line to use a syntax defined in 6.6 to represent a USI, e.g., "LATIN CAPITAL LETTER A WITH MACRON AND GRAVE;0100 0300" should read "LATIN CAPITAL LETTER A WITH MACRON AND GRAVE;<0100, 0300>".
Accepted

Korea (ROK): Negative

Technical comments:

Note to T01 to T03: These comments were accepted in disposition of comment for 2ed CD [SC2 N4079]; however, these changes have not been reflected in 2ed FCD.
- ROK requests that these changes be reflected this time.
- For example, [CD-KR.T8] indicates that the comment number was T8 in ROK comments for 2ed CD.

T01 [CD-KR.T8]. p. 368, right column, near bottom
[text in 2ed CD]
3164   HANGUL FILLER
= cae om
[text in 2ed FCD]
3164   HANGUL FILLER
= <mark>chae um</mark>
--->
[proposed text]
3164   HANGUL FILLER
= <mark>chaeum</mark>
[WG2 N3716, 2009-10-29, Disp .of Comments on SC2 N4079 (2ed CD)
Partially accepted
... The alias change is accepted.
Rationale: The alias change was accepted; however, the new alias in 2ed FCD (N4125) is "chae um" (two words), NOT "chaeum" (one word).
Rep. of Korea suggested (and still suggests) a one-word alias "chaeum", since chaeum is one word in Korean and written without a space between "chae" and "um".
Propose acceptance

T02 [CD-KR.T9] p.368, right column, near bottom
[text in 2ed CD and FCD] Archaic letters
--->
[proposed text] Old letters
[WG2 N3716, 2009-10-29, Disp .of Comments on SC2 N4079 (2ed CD)
Accepted
Rationale: Since Hangul was invented in the 15th century, "old" seems better than "archaic". In Rep. of Korea, we use "old", not "archaic" to refer to these letters.
Accepted

T03 [CD-KR.T13] p. 376, right column
[text in 2ed CD and FCD]
321E   PARENTHESIZED KOREAN CHARACTER O HU
≈0028 (110B ○ 1169 ⊥ 1112 ㅎ 116E ⊤ 0029)
-->
[proposed change]
321E   PARENTHESIZED KOREAN CHARACTER O HU
≈0028 (110B ○ 1169 ⊥ 1112 ㅎ 116E ⊤ 0029)
* preferred spelling for the name is ohu
[WG2 N3716, 2009-10-29, Disp .of Comments on SC2 N4079 (2ed CD)
A new annotation will be added:
* preferred spelling for the name is ohu
Rationale: It is a one word as in the case of U321D.
Accepted

[There is no T4]

T05 p. 20, 6.4 Naming of characters
[current text]
c) follows the rule given in 24.5 for Chinese /Japanese/Korean (CJK) ideographs, or
d) follows the rule given in 24.6 for Hangul syllables.
-->
[proposed text]
c) follows the rule given in 24.6 for Chinese /Japanese/Korean (CJK) ideographs, or
d) follows the rule given in 24.7 for Hangul syllables.
Rationale:
Section numbers 24.5 and 24.6 on p. 20 are wrong.
24.6 Character names for CJK Ideographs 45
24.7 Character names for Hangul syllables 46
Accepted

T06. p. 39,
1) G_G... --> G... (underscore deleted)
G_GFHZB ZhongHua ZiHai (中华 c 字海), XianDai HanYu CiDian (现]代汉 c 语]词 c 典), or Ci-Hai (辞海)
G_GH Gudai Hanyu Cidian （古代汉语词典）
G_GJZ Commercial Press Ideographs （商务印书馆用字）

2) G_... (other than G_G...)) --> G... (underscore deleted)
G_4K Siku Quanshu （四庫全書）
G_BK Chinese Encyclopedia （中國大百科全書）
G_CH Ci Hai （辞海）
G_CY Ci Yuan （辭源）
G_CYY Chinese Academy of Surveying and Mapping Ideographs (中国测]绘 c 科学院用字)
G_FZ Founder Press System （方正排版系统 c）
G_HC Hanyu Dacidian （漢語大詞典）
G_HZ Hanyu Dazidian ideographs （漢語大字典）
G_IDC ID system of the Ministry of Public Security of China, 2009
G_KX Kangxi Dictionary ideographs（康熙字典）9th edition (1958) including the addendum 康熙字典）補遺
G_XC Xiandai Hanyu Cidian (现代汉语词典）
G_ZFY Hanyu Fangyan Dacidian （汉语方言大辞典）
G_ZJW Yinzhou Jinwen Jicheng Yinde （殷周金文集成引得）
Accepted
See also comment JP9 from Japan

T07. pp. 40, 41 and 43; CJKU_SR.txt and CJKC_SR.txt
- Both J_ARIB and JARIB are used. Need to use only one form.
Rationale: Examples showing J_ARIB and JARIB:
1) CJKU_SR.txt: 3 lines with JARIB (not J_ARIB)
09FC4;75.6;;;JARIB-754F;;;;;;
09FC5;113.13;;;JARIB-7621;;;;;;
09FC6;113.4;;;JARIB-757D;;;;;;
2) CJKC_SR.txt: 3 lines with J_ARIB (not JARIB)
0FA6B;06075;;;J_ARIB-7547;;;
0FA6C;242EE;;;J_ARIB-7563;;;
0FA6D;08218;;;J_ARIB-762B;;;
3) p. 40 (23.1): J_ARIB
4) p. 41 (23.2): JARIB-hhhh

5) p. 43 (23.4): JARIB-hhhh

Accepted

See also comment JP9 from Japan

T08. p. 40, right before 23.2

[current text]

NOTE 3 – Even if source references get updated, the source reference information is not updated. The updated source references may only identify characters not previously covered by the older version.

[suggested change]

1) Note 3 seems intended to apply only to UTC.

- However, in general, this note can be applied to other source references too. Will it be better to modify this note somehow to reflect it?

2) The wording could be improved:

Even if source references get updated, the source reference information is not updated.

-->

Even if source references get updated, the source reference information covered by the older version is not updated.

Propose non acceptance

The proposed change is orthogonal to the intended meaning of the text. The intent is to make sure that an update source reference does not invalidate existing source reference information.

T09. p. 40, 23.2, radical, alternate radical

1) There seems no table (or definition) showing the actual radical for radical index #.

2) There seems no definition of alternate radical.

- Is an alternate radical a simplified radical corresponding to a traditional radical?

3) There seems no table (or definition) showing the alternate radical corresponding to regular (traditional?) radical

Accepted

Although the linked file mentions explicitly that the radical stroke index is non normative, the text itself lacks such mention as well as a brief description of its content. The 2nd field description is updated as follows:

2nd field: Radical Stroke index (d{1,3}'.d{1,2}). This informative field contains radical index (one to three digits), optionally followed by an apostrophe for alternate index, followed by a full stop, and ending by one or two digits for the stroke count.

NOTE – All ideographs are classified following radical/stroke indexes in various CJK dictionaries. The primary value provided in this field is the most common one, while alternate indexes provide variant values also in use. More information is available in the Unicode Standard UAX#38 Unicode Han Database at http://www.unicode.org/reports/tr38/.

T10. p. 41, G src

[current]   [proposed text]

(GBKddddd) --> (GBKdddddd) (six d's)

(GCHddddd) --> (GCHdddddd) (six d's)

(GHCddddd) --> (GHCdddddd) (six d's)

(GXCddddd) --> (GXCdddddd) (six d's)

Accepted

T11. p. 41, Note 4. right above 23.3

[current text]

NOTE 4 – The original source references in the Hanja K4 source (PKS 5700-3:1998) are described using a single decimal index without section or position values. For better consistency with the other sources, those indexes have been converted into hexadecimal values in the source reference file. Unlike the other hexadecimal values, they do not decompose in section, position values.

-->

... Unlike K0 ~ K3 indexes, K4 and K5 indexes do not decompose in section, position values.

Rationale:

- K0 ~ K3 indexes decompose in section and position values. However, K4 and K5 indexes do not.

Accepted

T12. p.42, in Fig. 2, 4E17 incorrectly appears twice.

- Fig. 2 (page 42) need to be replaced by the actual portion of CJKU table on p.506

Figure 2 – Source reference presentation for CJK UNIFIED IDEOGRAPHS

Accepted

The chart pages are produced by a different process than the examples. This will be fixed when the chart pages are stable.

T13. p.42, in Fig. 3,

1) a glyph for K3-2E2D is a square which is wrong;

2) to the right of 41DC, there should be 41EF, NOT 41EE.

to the right of 41DD, there should be 41F0. --> Fig. 3 need to be replaced by the actual portion of CJKU table on p. 450 [*fixed by editor*]

Figure 3 – Source reference presentation for CJK UNIFIED IDEOGRAPHS EXTENSION A

Accepted
The chart pages are produced by a different process than the examples. This will be fixed when the chart pages are stable.

T14. p.43, in Fig. 4,
1) to the right of 2000F, there should be 20022, NOT 20021.
2) and so on ...
--> Fig. 4 need to be replaced by the actual portion of CJKU table on p. 1416.

Figure 4 – Source reference presentation for CJK UNIFIED IDEOGRAPHS EXTENSION B, C, and D

Accepted
The chart pages are produced by a different process than the examples. This will be fixed when the chart pages are stable.

T15. p. 43
- ROK suggests that section "23.5 Source reference presentation for CJK Compatibility Ideographs" be added so that the overall structure is well organized.
- 23.5 may have statements such as
. Although there may be more than one source reference for each glyph, only one representative glyph is shown for each code position.
. etc. ...
23 Source references for CJK Ideographs
23.1 List of source references
23.2 Source references for CJK Unified Ideographs
23.3 Source reference presentation for CJK Unified Ideographs

23.4 Source references for CJK Compatibility Ideographs
23.5 Source reference presentation for CJK Compatibility Ideographs
Accepted in principle
There is work in progress between the project editor and the contributing editor creating the CJK chart process to create a new layout allowing the correct rendering of CJK compatibility ideographs in multiple columns. The editor would like to have the flexibility to create the layout with editorial review by experts. Accordingly, a sub-clause 23.5 will be introduced to that effect.

T16. pp. 46 ~ 47
T16.1 p. 46,
6) For each Hangul syllable, character short additional information is ...
This ==additional information== consists ...
-->
6) For each Hangul syllable character, a short annotation is ... This ==annotation== consists of ...

T16.2 p. 47,
 in the title of Table 5 and in the column heading of Table 5:
- Additional information --> Annotation
WG2 discussion
Strictly speaking it is not an annotation is usually defined in the standard (additional lines in the chart pages), but as additional information in Annex R.

T17. p. 263, Liter
U2113 ...
• the SI recommended symbol for liter is 006C: l
...
-->
U2113 ...
• the SI recommended symbol for liter is 006C l ==or 004C L==
...
Rationale: ISO 1000 mentions that the two symbols for the litre (note: l and L) are on an equal footing.

Table 5 — Units used with the SI

Quantity	Unit		
	Name	Symbol	Definition
time	minute	min	1 min = 60 s
	hour	h	1 h = 60 min
	day	d	1 d = 24 h
plane angle	degree	°	1° = (π/180) rad
	minute	′	1′ = (1/60)°
	second	″	1″ = (1/60)′
volume	litre	l, L[1]	1 l = 1 dm^3
mass	tonne[2]	t	1 t — 10^3 kg

1) The two symbols for the litre are on an equal footing. The CIPM will, however, make a survey on the development of the use of the two symbols in order to see if one of the two may be suppressed.
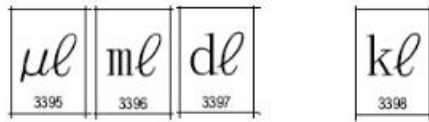2) Also called the metric ton in the English language.
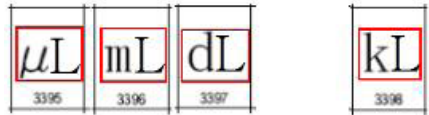
litre	l, L[1]

Accepted

T18. p. 380 (and p. 384): uL, mL, dL, kL
- ROK suggests that the script small L in glyphs of code positions U3395, U3396, U3397, and U3398 be changed to Latin capital L (U004C).

[current glyphs]

-->

[proposed glyphs]

Rationale:

1) As mentioned in T17, SI recommended symbol is L (U0041) or l (U006C), NOT script small L (U2113).

2) Japan said that their national standards do not contain any of these four characters.

3) China and Taiwan said that their nationals standards probably do not contain any of these four characters.

4) These four characters are included in KS X 1001 (formerly KS C 5601) and it is explicitly mentioned that they stand for micro-liter, mili-liter, deci-liter, and kilo-liter, respectively.

5) Based on 1), 2), 3) and 4), when these four characters were included in ISO/IEC 10646-1:1993, it is quite certain that they came from KS X 1001.

6) ROK decided to change the glyphs of these four characters in KS X 1001:2010 so that they conform to SI. ROK decided to use capital L since small L could be easily confused with digit 1.

7) Considering these, ROK suggests that the glyphs of these four characters be changed as suggested above so that they conform to SI.

WG2 discussion

The current chart uses a common Japanese font (MS Mincho) for these characters, not Korean. These characters are encoded for historic reasons to provide compatibility with common vendor set. Furthermore these characters are mapped out by compatibility normalizations (NFKC or NFKD). It seems unnecessary to redesign these glyphs which have a well established design. In all cases, the preferred spelling for these expressions is a multi-character sequence.

T19. p. 2067
[current text]
204 HANGUL FILL CHARACTERS 3164, FFA0
- ROK wonders why U115F HANGUL CHOSEONG FILLER and U1160 HANGUL JUNGSEONG
FILLER are excluded from collection 204.

Accepted

Because collection 204 is not fixed, these two characters can be added to the collection.

T20. p. 2106
[current text]
These guidelines do not apply to the names of CJK Ideographs and Hangul syllables which are formed using rules specified in clause 24.5 and 24.6
respectively.
-->
[proposed text]
These guidelines do not apply to the names of CJK Ideographs and Hangul syllables which are formed using rules specified in clause 24.6 and 24.7 respectively.
Rationale:
Section numbers 24.5 and 24.6 on p. 20 are wrong.
24.6 Character names for CJK Ideographs 45

Accepted

T21. p. 2111, the first two lines
KS X 1001:2004 (formerly KSC 5601-1992) Korean Industrial Standards Association. Jeongbo gyohwan-yong buho (Code for Information Interchange(Hangeul and Hanja)).
-->
KS X 1001:2004 (formerly KS C 5601-1992) Korean Industrial Standards Association. Code for Information Interchange (Hangeul and Hanja) (Jeongbo gyohwanyong buhogye).
Rationale: ROK suggests this change to reflect the transliteration of the title of KS X 1001.
Accepted

T22. p. 2129
[current text]
KS C 5601-1989, KS C 5657-1991
-->
[proposed change]
KS X 1001:2004 (previously KS C 5601-1989), KS X 1002:2001 (previously KS C 5657-1991)
Rationale: KS C has been changd to KS X.
Accepted

T23. p. 2075, A.4.1 370 IICORE
• 4th field: Kanji J usage identifier (J1A), in-formative.
• 5th field: Hanzi H usage identifier (H1a), in-formative.
-->
• 4th field: Kanji J usage identifier (J1A), informative.
• 5th field: Hanzi H usage identifier (H1a), informative.
Accepted

T24. p. 2128, S.1.4.2, line 6 from top:
[current text]
... the left-hand document going beneath ...
-->
[proposed change]
... the left-hand component going beneath ...
Accepted

T25. p. 2129, the last line
[current text]
-->
a CJK component after the period should be deleted.
Accepted
See also comment JP30 from Japan.

T26. p. 2135, the last row, third column, 670F 80D0
- "non-cognate" should be moved to the right of two CJK chars.
Accepted

T27. CJKU_SR.txt
- five (5) duplicate src. refs. GKX0000.00
line 29940 -- 20957;22.11;GKX0000.00;;;;;;;;;
line 36233 -- 221EC;53.4;GKX0000.00;;;;;;;;
line 39802 -- 22FDD;66.11;GKX0000.00;;;;;;;;;
line 47958 -- 24FB9;106.16;GKX0000.00;;;;;;;;;
line 68823 -- 2A13A;196.11;GKX0000.00;;;;;;;;;

This is by design. These are characters that have no correct source references. They used to have a simple GKX reference without number which was eventually found to refer to virtual KX entries. The GKX0000.00 is a mechanism to detect the anomaly.

T28. CJKU_SR.txt
- two (2) duplicate src. refs. GKX0809.20
line 27528 -- 09FC3;109.7;GKX0809.20;T4-3946;;;;;KP1-5E2B;;
line 48450 -- 251A5;109.7;GKX0809.20;T5-3A45;;;;;KP1-5E2C;;
WG2 discussion
Need investigation

T29. annotations
T29.1 annotations for U31xx
[current text]
3131 ㄱ HANGUL LETTER KIYEOK

≈1100 ㄱ hangul choseong kiyeok

-->
[proposed text]
3131 ㄱ HANGUL LETTER KIYEOK
• voiceless or voiced lenis velar plosive consonant

≈1100 ㄱ hangul choseong kiyeok
Rationale: As with U3181 or U3186, ROK suggests that annotations about the characteristics of phonemes for 50 letters in the range of U3131 ~ U318E be added.
- For a full list of 50 suggested annotations, see Appendix 1.
- Note. Annotations for U3181 and U3186 have been slightly changed to be consistent with annotations for other letters.
[text in 2ed CD and FCD]
3181 ㆁ HANGUL LETTER YESIEUNG

• archaic velar nasal

3186 ㆆ HANGUL LETTER YEORINHIEUH

• archaic glottal stop

--->
[proposed change]
3181 ㆁ HANGUL LETTER YESIEUNG
• velar nasal consonant
3186 ㆆ HANGUL LETTER YEORINHIEUH
• glottal stop consonant
WG2 discussion
Not clear whether this massive addition belongs to the chart.

T29.2 annotations for tone marks: U302E and U302F
302E . HANGUL SINGLE DOT TONE MARK
= single dot Bangjeom
302F : HANGUL DOUBLE DOT TONE MARK
= double dot Bangjeom
-->
302E . HANGUL SINGLE DOT TONE MARK
• high level tone
= single dot Bangjeom
302F : HANGUL DOUBLE DOT TONE MARK
• low-rising tone
= double dot Bangjeom
WG2 discussion

See above.

T30. A suggested presentation format for CJKU main table
T30.1 Background
1) Currently CJKU main table can have up to six glyphs for each row.
2) Since KP did not supply fonts, KP glyphs will not be printed in ISO/IEC 10646:2010, 2ed.
3) There are no MACau characters in CJKU main table.
4) There are only seven UTC characters in CJKU main table. Furthermore, there is no characters (glyphs) other than UTC's for these seven UCS code positions.
09FBC;32.14;;;;;;;;;UTC00836;
09FBD;86.11;;;;;;;;;UTC00835;
09FBE;107.8;;;;;;;;;UTC00837;
09FBF;140.8;;;;;;;;;UTC00838;
09FC0;140.18;;;;;;;;;UTC00839;
09FC1;149.6;;;;;;;;;UTC00840;
09FC2;159.11;;;;;;;;;UTC00841;

T30.2 Problems and Objectives
1) Since each column does not start with Uxxxx0 or end with UxxxxF, in reviewing CJKU tables, we found that it is very inconvenient to find a specific code position in the table. Therefore, we have come to suggest a new format for CJKU main table.
2) Since many users will see the tables on display screen, a slight increase in number of pages due to this change seems tolerable.
3) For each sub-column (currently CJKU main table has two sub-columns), the starting code position is Uxxxx0 and the ending code position is UxxxxF as with ISO/IEC 10646:2003, 1st ed.

T30.3 A suggested presentation format for CJKU main table
1) For each sub-column, the starting code position is Uxxxx0 and the ending code position is UxxxxF as with ISO/IEC 10646:2003, 1st ed.
2) As with 2ed CD, we put six characters in each row in the order of (G T J K V H).
- The order can be finalized by WG2.
3) UTC characters (glyphs) will be printed in the third position (T position) as with 2ed. FCD.
- Note that there are no characters (glyphs) other than UTC's for the seven UCS code positions where UTC glyph appears.
- The position of UTC glyph can be finalized by WG2.

ISO/IEC 10646, 2ed FCD, CJKU main table format – current format

ISO/IEC 10646, 2ed FCD, CJKU main table – suggested format

<u>WG2 discussion</u>
The general direction is amenable to the editor, although he would like to work with the contributing in charge of the multi-column chart production concerning details.

T31. p. 47, transliteration of Hangul
T31.1 A relevant portion of ISO/IEC 10646:2003, 1st ed. is shown below:
// start of ISO/IEC 10646:2003, 1st ed.
28.3 Character names and annotations for Hangul syllables
The corresponding Latin character strings are:
P, WI, BS.
The syllable-name is PWIBS, and the character name is:
HANGUL SYLLABLE PWIBS
For each Hangul syllable character a short annotation is defined. This annotation consists of an alternative transliteration of the Hangul syllable into Latin characters.
...
The corresponding Latin character strings are:
ph, wi, ps,
and the annotation is (phwips).
...
Annex P
(informative)
Additional information on characters
...
1100 HANGUL CHOSEONG KIYEOK ...
1112 HANGUL CHOSEONG HIEUH
The Latin letters shown in parenthesis after the names of the characters in the range 1100 to 1112 (except 110B) are transliterations of these Hangul characters. These transliterations are used in the construction of the names of the Hangul syllables that are allocated in code positions AC00 to D7A3 in this International Standard.
11A8 HANGUL JONGSEONG KIYEOK ...
11C2 HANGUL JONGSEONG HIEUH
The Latin letters shown in parenthesis after the names of the characters in the range 11A8 to 11C2 are transliterations of these Hangul characters. These transliterations are used in the construction of the names of the Hangul syllables that are allocated in code positions AC00 to D7A3 in this International Standard.
// end of ISO/IEC 10646:2003, 1st ed.

T31.2 The information about Hangul transliteration in Annex P in ISO/IEC 10646:2003 (1st ed) is missing in 2ed. FCD.

T31.3 ROK suggests to insert the following notes between the bottom of Table 5 and the title of Section 25 on p. 47:
Note 1. The Latin letters shown in parenthesis after the names of the characters in the ranges 1100 to 1112 (except 110B) and 11A8 to 11C2 are transliterations of these Hangul characters. These Latin letters are the same as I and F strings in Syllable name elements of Table 5.
These transliterations are used in the construction of the names of the Hangul syllables that are allocated in code positions AC00 to D7A3 in this International Standard.

Note 2. I and F strings in Syllable name elements are based on Method I of ISO/TR 11941:1996 Information and documentation -- Transliteration of Korean script into Latin characters. I and F strings in Annotation elements are based on Method II of ISO/TR 11941. P strings in Syllable name elements and in Annotation elements are based on ISO/TR 11941.
ISO/TR 11941 is different from Revised Romanization of Korean script released on 4 July 2000 by the Ministry of Culture and Tourism, Republic of Korea.
Propose acceptance in principle
These Hangul transliterations for the range 1100..1112 are not part of the name of the characters list in this edition. They are maintained as annotation in following lines. So the possible notes should read:

Note 1. The I and F strings in Syllable name elements of Table 5 correspond to the Hangul Jamo short names shown in annotation in the code chart after the names of the Hangul Jamo characters in the ranges 1100 to 1112 (except 110B) and 11A8 to 11C2. The short names are transliterations of these Hangul characters.

Note 2. I and F strings in Syllable name elements are based on Method I of ISO/TR 11941:1996 Information and documentation -- Transliteration of Korean script into Latin characters. I and F strings in Annotation elements are based on Method II of ISO/TR 11941. P strings in Syllable name elements and in Annotation elements are based on ISO/TR 11941. ISO/TR 11941 is different from Revised Romanization of Korean script released on 4 July 2000 by the Ministry of Culture and Tourism, Republic of Korea.

T32. [CD-KR.T19, M55.19] incorrectly mapped comptb. char K0-6766
- K0-6766 (sounds 'ye') <- U0F9B8 in CJKC_SR.txt
- R.O.Korea's requests: T32.1 and T32.2

KS C 5601:1987 (= KS X 1001), International
Register 149 (http://www.itscj.ipsj.or.jp/ISO-IR/149.pdf)

隷丨　　　　　　　　　　　　隷

71-70 0x6766 (=E7E6)　　　54-43 0x564B (=D6CB)
예 (ye)　　　　　　　　　　례 (rye)

T32.1 Delete 'K0-6766' entry in line 0F9B8 of CJKC_SR.txt file.
- It means that R.O.Korea's K0-6766 cannot be mapped to U0F9B8.
- It also means that there will be no reference for U0F9B8 and
U0F9B8 char will become deprecated.
= CJKC_SR.txt file
(current) 0F9B8;096B8;;;;K0-6766;;
--->
(new) 0F9B8;096B7;;;;;;
Propose not acceptance
Canonical mapping cannot be changed. Same as disposition of Korean comment T19.1 on CD10646. The K0-6766 could possibly be removed, but the canonical mapping has to stay the same. If the source reference is removed, there is no need to change the canonical mapping anyway.

T32.2 Add a new compability character to UCS and
- add one line to CJKC_SR.txt:
- (Let's assume that the code position of newly added char is Uxxxx1.)
= CJKC_SR.txt file
xxxx1;096B7;;;;K0-6766;;
WG2 discussion
This can be entertained if K0-6766 is removed from 0F9B8. But adding more compatibility characters is not very efficient (they get eliminated in many normalization processes).

T32.3 For detailed information, see WG2 N3747
(= IRG N1651, ROK K1847) A solution proposed by R.O.Korea for incorrectly mapped comptb. chars (RE: T19 and T20)
Noted

T33. [CD-KR.T20, M55.19] incorrectly mapped comptb. char K0-522B
- K0-522B (sounds 'nang') <- U0F92C in CJKC_SR.txt
- R.O.Korea's requests: T33.1 and T33.2

http://www.itscj.ipsj.or.jp/ISO-IR/149.pdf

TYPE:	Multiple-byte Graphic Character Set	REGISTRATION NUMBER: 149
		DATE OF REGISTRATION: 1st Oct.1988
ORIGIN	Korean Standard KS C 5601-1987	

KO 0x522B, (50-11: row-col), 0xD2AB, U+F92C
낭 NANG

KO 0x554D, (53-45: row-col), 0xD5CD, U+90DE
랑 RANG

T33.1 Delete 'K0-522B' entry in line 0F92C of CJKC_SR.txt file.

- It means that R.O.Korea's K0-522B cannot be mapped to 0F92C.
- It also means that there will be no reference for U0F92C and U0F92C char will become deprecated.
= CJKC_SR.txt file
0F92C;090CE;;;;K0-522B;;
---->
0F92C;090DE;;;;;;;;;

Propose not acceptance

Canonical mapping cannot be changed. Same as disposition of Korean comment T20.1 on CD10646. The K0-522B could possibly be removed, but the canonical mapping has to stay the same. If the source reference is removed, there is no need to change the canonical mapping anyway.

T33.2 Add a new compability character to UCS and

- add one line to CJKC_SR.txt:
- (Let's assume that the code position of newly added char is Uxxxx2.)
= CJKC_SR.txt file
xxxx2;090DE;;;;K0-522B;;

WG2 discussion

This can be entertained if K0-522B is removed from 0F9B8. But adding more compatibility characters is not very efficient (they get eliminated in many normalization processes).

T33.3 For detailed information, see WG2 N3747

(= IRG N1651, ROK K1847) A solution proposed by R.O.Korea for incorrectly mapped comptb. chars (RE: T19 and T20)

Noted

Editorial comments

E01. ROK suggests that PDF file names be changed so that the file names are sorted according to the order of code positions.

[current file names]

```
FCD10646-0000-33FF.pdf
FCD10646-2A700-2B81F.pdf
FCD10646-2F800-DFFFF.pdf
FCD10646-4DC0-4DFF.pdf
FCD10646-4E00-695E.pdf
FCD10646-23BA6-2733D.pdf
FCD10646-695F-8455.pdf
FCD10646-2733E-2A6FF.pdf
FCD10646-3400-4DBF.pdf
FCD10646-8456-9FFF.pdf
FCD10646-10000-1FFFF.pdf
FCD10646-20000-23BA5.pdf
FCD10646-A000-FFFF.pdf
FCD10646-E0000-10FFFF.pdf
FCD10646-Main.pdf
```
-->
[proposed change]

```
FCD10646-00-Main.pdf
FCD10646-01-0000-33FF.pdf
FCD10646-02-3400-04DBF.pdf
FCD10646-03-04DC0-04DFF.pdf
FCD10646-04-4E00-695E.pdf
FCD10646-05-695F-8455.pdf
FCD10646-06-8456-9FFF.pdf
FCD10646-07-A000-FFFF.pdf
FCD10646-08-10000-1FFFF.pdf
FCD10646-09-20000-23BA5.pdf
FCD10646-10-23BA6-2733D.pdf
FCD10646-11-2733E-2A6FF.pdf
FCD10646-12-2A700-2B81F.pdf
FCD10646-13-2F800-DFFFF.pdf
FCD10646-14-E0000-10FFFF.pdf
```

Propose not acceptance

[Appendix 1 of annotations for the 50 letters in the original Korean Ballot comment]

United Kingdom: Positive with comments

T.1. (Editorial) Clause 16.1 Space characters
We suggest adding a note for 1680 OGHAM SPACE MARK indicating that Ogham fonts will typically represent this character with a visible glyph showing the central stemline, and it will only be represented by a blank glyph in a "stemless" style of font.).
Proposed change:
Add the following note:
The character 1680 OGHAM SPACE MARK will typically be represented with a visible glyph showing the central stemline, and it will only be represented by a blank glyph in a "stemless" style of font.
Propose acceptance in principle
Slightly edited:
NOTE – The character 1680 OGHAM SPACE MARK is typically represented with a visible glyph showing the central stemline, and it is only represented by a blank glyph in a "stemless" style font.

T.2. (Technical) Clause 24.2 Name formation
The rules for character name formation should prohibit the use of a digit as the first character in a word (i.e. prohibit a digit after a space), as was the case in the previous edition of the standard (see note to Annex L Rule 1) and as is currently the case in the Unicode Standard (see Unicode 5.2 section 4.8 R2).
Proposed change:

Change
An entity name shall not contain two or more consecutive SPACE characters or consecutive HYPHEN-MINUS characters.
to
An entity name shall not contain two or more consecutive SPACE characters or consecutive HYPHEN-MINUS characters or a Digit preceded by a SPACE character.

Propose acceptance in principle

This can only be applied to characters, NUSIs, and block names. Collection names may have digits after the space characters. So the change can be something like:

An entity name shall not contain two or more consecutive SPACE characters or consecutive HYPHEN-MINUS characters. Furthermore, except for collection names, an entity name cannot contain a Digit (DIGIT ZERO through DIGIT NINE) preceded by a SPACE character.

T.3. (Editorial) Clause 30.3 Pointers to code charts and list of character names

We suggesting adding annotations explaining the usage of characters used as medieval abbreviations and characters used in phonetic transcription in the Latin Extended-D block.

Proposed change:

U+A741 LATIN SMALL LETTER K WITH STROKE
* abbreviation for Latin karta, kartula, kalendas, and for Old Norse konungr
U+A743 LATIN SMALL LETTER K WITH DIAGONAL STROKE
* abbreviation for Latin kalendas and karta
U+A745 LATIN SMALL LETTER K WITH STROKE AND DIAGONAL STROKE
* abbreviation for Latin karta(m)
U+A749 LATIN SMALL LETTER L WITH HIGH STROKE
* abbreviation for Latin el, ul, vel, for Norse eða, for Old English oþþe, and for Irish nó
U+A74B LATIN SMALL LETTER O WITH LONG STROKE OVERLAY
* abbreviation for Latin obiit
U+A751 LATIN SMALL LETTER P WITH STROKE THROUGH DESCENDER
* abbreviation for Latin per, par, por, and for Cornish pri-
U+A753 LATIN SMALL LETTER P WITH FLOURISH
* abbreviation for Latin pro, por
U+A755 LATIN SMALL LETTER P WITH SQUIRREL TAIL
* abbreviation for Latin prae
U+A757 LATIN SMALL LETTER Q WITH STROKE THROUGH DESCENDER
* abbreviation for Latin quam, que, quan-, qui-, and for Irish ar
U+A759 LATIN SMALL LETTER Q WITH DIAGONAL STROKE
* abbreviation for Latin quod, qui, que, for Middle English quoþ, and for Irish ar
U+A75F LATIN SMALL LETTER V WITH DIAGONAL STROKE
* abbreviation for Latin uirgo, and for Portuguese ver-, etc.
U+A765 LATIN SMALL LETTER THORN WITH STROKE
* abbreviation for Old Norse þat, þess, þor-, þæt, and for Old English þæt
* Old Norse glyph form has a horizontal stroke, whereas the Old English glyph form has a diagonal stroke
U+A767 LATIN SMALL LETTER THORN WITH STROKE THROUGH DESCENDER
* abbreviation for Old Norse þeim, þeir
U+A77A LATIN SMALL LETTER INSULAR D
* voiced dental spirant in obsolete Cornish and Welsh phonetic usage
U+A77F LATIN SMALL LETTER TURNED INSULAR G
* velar nasal in obsolete Cornish phonetic usage
U+A781 LATIN SMALL LETTER TURNED L
* voiced lateral spirant in obsolete Welsh phonetic usage
U+A787 LATIN SMALL LETTER INSULAR T
* voiceless dental fricative in obsolete Welsh phonetic usage

Propose acceptance in principle

Too much?

USA: Positive with comments

The U.S. National Body is voting Yes with comments on the following SC2 ballot: SC2 N4125: FCD 10646, Information technology -- Universal Coded Character Set (UCS).

Technical comments:

T.1. CJK Multi-column charts
The U.S. appreciates the difficulty of reviewing the CJK multi‑column code charts, however we do not agree with resolution IRG M33.6 (third paragraph) and we do not want to revert to the single column format for any of the CJK blocks, including Extension B..
Noted

T.2. CJK compatibility ideograph charts
The U.S. requests the CJK compatibility ideographs code charts (both BMP and SIP) be presented in multi‑column format. As most characters have only one or two sources, the organization adopted for Extension C would be appropriate.
WG2 discussion
Not that simple. The compatibility blocks have other information that would be lost in such a format. The editor is working on a format that could be agreeable to the US.

T.3. CJK Unified ideographs source reference update
The U.S. requests the following corrections be made to CJKU_SR.txt, as referenced in IRG N1654:
(unless noted, 'add' and 'remove' instructions are coupled)
U+5807 add V1‑652F
U+6176 replace V2‑8C30 by V2‑8C2F (unlike what IRG N1652 says, V2‑8C2F was not part of U+8C30 source or any other char)
U+61A6 replace V2‑8C31 by V2‑8C30 (new)
U+61AA replace V2‑8C32 by V2‑8C31 (new)
U+61AE replace V2‑8C33 by V2‑8C32 (partially new, IRG N1652 incorrectly says that V2‑8C33 was part of U+8C30 source)
U+61E2 replace V2‑8C34 by V2‑8C33
U+61E7 replace V2‑8C35 by V2‑8C34
U+61F2 replace V2‑8C36 by V2‑8C35
U+61FA replace V2‑8C37 by V2‑8C36
U+6258 replace V2‑8C38 by V2‑8C37
U+6259 replace V2‑8C39 by V2‑8C38
U+627A replace V2‑8C3A by V2‑8C39
U+627E replace V2‑8C3B by V2‑8C3A
U+627F replace V2‑8C3C by V2‑8C3B
U+6294 replace V2‑8C3D by V2‑8C3C
U+62A9 replace V2‑8C3E by V2‑8C3D
U+62B1 replace V2‑8C3F by V2‑8C3E
U+62B6 replace V2‑8C40 by V2‑8C3F
U+62C4 replace V2‑8C41 by V2‑8C40
U+62C5 replace V2‑8C42 by V2‑8C41
U+62C6 replace V2‑8C43 by V2‑8C42
U+62D0 replace V2‑8C44 by V2‑8C43
U+62D1 replace V2‑8C45 by V2‑8C44

U+62D4 remove V1‑5669
U+62DE add V2‑8C45
U+62E8 add V1‑5669
U+62FC replace V2‑8C47 by V2‑8C46 (V2‑8C46 is a newly mapped V source)
U+6303 replace V2‑8C48 by V2‑8C47
U+630C replace V2‑8C49 by V2‑8C48
U+6348 replace V2‑8C4A by V2‑8C49
U+6350 add V2‑8C4A
U+6492 remove V1‑575F
U+6BBB add V1‑5B47
U+6BBC remove V1‑5B47
U+6BC0 remove V1‑5B49
U+6BC1 add V1‑5B49
U+7B04 add V1‑6172
U+7B53 remove V1‑6172
U+7E06 remove V3‑3664 (not added elsewhere)
U+837C stays at V1‑6523 (IRG N1652 says to replace by V3‑3739, but is not in mapping spreadsheet)
U+83EB remove V1‑652F
U+8C30 unchanged (see notes for U+6176 and U+61AE)
U+22B31 remove V2‑7671 (not added elsewhere)
U+26BEC remove V3‑3739 (not added elsewhere, see note for U+837C)
U+2ABAB add V1‑575F
Propose acceptance in principle