

Universal Multiple-Octet Coded Character Set International Organization for Standardization

Doc Type: ISO/IEC JTC1/SC2/WG2/IRG

Title: UTC Review Comments on CJK Working Set 2015 v1.1 (IRG N2133)

Source: Unicode Consortium

Status: Liaison Contribution

Action: For consideration by IRG

Date: 2016-02-12

The following are the UTC's comments on CJK Working Set 2015 Version 1.1 (aka IRG N2133), with a particular focus on serial numbers 04320 through 05547 (Radicals 163 through 214 on pp 480 through 617).

The following table includes general comments:

| Serial Number | Source Reference | Comments |
|---------------|------------------|---|
| 00017 | G_Z4262303 | Change the indexing radical to Radical #86; change the number of remaining strokes from 6 to 3 |
| 00019 | GHZ10115.08 | Change the indexing radical to Radical #13; change the number of remaining strokes from 7 to 6 |
| 00021 | G_PGLG1003 | Change the indexing radical to Radical #120.1; change the number of remaining strokes from 7 to 5 |
| 00022 | G_Z2542101 | Change the indexing radical to Radical #7; change the number of remaining strokes from 8 to 7 |
| 00023 | GHZ10027.12 | Change the indexing radical to Radical #37; change the number of remaining strokes from 8 to 6 |
| 00030 | G_Z4921301 | Change the indexing radical to Radical #4 |
| 00031 | G_Z1252504 | Change the indexing radical to Radical #30; change the number of remaining strokes from 10 to 8 |
| 00032 | G_Z1552303 | Change the indexing radical to Radical #15; change the number of remaining strokes from 10 to 9 |
| 00033 | G_Z0971302 | Change the indexing radical to Radical #30; change the number of remaining strokes from 11 to 9 |
| 00038 | G_Z2161301 | Change the indexing radical to Radical #94; change the number of remaining strokes from 12 to 10 |
| 00055 | G_Z3742301 | Change the indexing radical to Radical #61; change the number of remaining strokes from 6 to 3 |
| 00059 | G_Z4832302 | Change the indexing radical to Radical #96; change the number of remaining strokes from 6 to 3 |
| 00064 | G_Z3472102 | Change the indexing radical to Radical #29; change the number of remaining strokes from 12 to 11 |
| 00066 | G_Z4632101 | Change the indexing radical to Radical #194; change the number of remaining strokes from 14 to 7 |
| 00069 | UTC-02765 | Change the indexing radical to Radical #4 |

| Serial Number | Source Reference | Comments |
|---------------|------------------|--|
| 00109 | UTC-02933 | Consider changing the indexing radical to Radical #42; if so, change the number of remaining strokes from 1 to -1; candidate for multiple radical/stroke values |
| 00110 | UTC-02934 | Consider changing the indexing radical to Radical #42; if so, change the number of remaining strokes from 1 to -1; candidate for multiple radical/stroke values |
| 00111 | UTC-02931 | Consider changing the indexing radical to Radical #85; if so, change the number of remaining strokes from 1 to -2; candidate for multiple radical/stroke values |
| 00112 | UTC-02932 | Consider changing the indexing radical to Radical #85; if so, change the number of remaining strokes from 2 to -1; candidate for multiple radical/stroke values |
| 00254 | GHZ10281.03 | Remove; unifiable with Extension F U+2D012 (KC-00234) |
| 00384 | UTC-01600 | Remove; unifiable with Extension C U+2A7CA |
| 00931 | USAT08293 | Remove; unifiable with Extension F U+2D4ED (KC-07003) |
| 00986 | UTC-01422 | Remove; unifiable with Extension F U+2E679 (JMJ-058783) |
| 01082 | KC-01071 | According to the evidence, its upper-right component (Radical #46) is missing; change number of remaining strokes from 22 to 23; current glyph unifiable with URO U+5DD7 |
| 01872 | UTC-02847 | The number of remaining strokes should be set to 9 |
| 01988 | T13-2C5E | Remove; unifiable with Extension F U+2DC1C (JMJ-057948) |
| 02094 | KC-05254 | Although unifiable with 02081 (TB-7142), the IDS is incorrect in terms of its upper-right component |
| 02164 | UTC-01260 | Change the indexing radical to Radical #44; change the number of remaining strokes from 4 to 5 |
| 02298 | T13-2D56 | Change the indexing radical to Radical #170; change the number of remaining strokes from 16 to 17 |
| 02307 | UTC-01450 | Change the indexing radical to Radical #29 |
| 02776 | T13-2F35 | The hook at the bottom of the vertical stroke of the upper-left component breaks regional conventions, and the evidence is not clear enough to warrant the hook |
| 02960 | UTC-01284 | Change the indexing radical to Radical #172; change the number of remaining strokes from 17 to 15 |
| 03531 | T13-3057 | Remove; unifiable with Extension F U+2E3A3 (JMJ-058438) |
| 03845 | T13-3077 | Change the indexing radical to Radical #149.1 |
| 04326 | T13-313F | Change number of remaining strokes from 4 to 3 |
| 04358 | T13-3142 | The lack of bottom terminals of the 4th and 5th strokes of the left component breaks regional conventions, and the evidence is not clear enough to warrant the lack of terminals |
| 04583 | G_Z4132502 | Change number of remaining strokes from 4 to 3 |
| 04743 | KC-04438 | The four short diagonal strokes in the upper-left component (Radical #173) break regional conventions |
| 04872 | G_Z4871501 | Change the indexing radical to Radical #91 (see 04392 G_Z1562501) |
| 05024 | G_Z0011502 | The top of the left component (Radical #188) doesn't match the evidence, and breaks regional conventions |
| 05027 | G_Z1972101 | The top of the left component (Radical #188) doesn't match the evidence, and breaks regional conventions |
| 05029 | G_Z1772203 | The top of the left component (Radical #188) doesn't match the evidence, and breaks regional conventions |
| 05030 | G_Z3621104 | The top of the left component (Radical #188) doesn't match the evidence, and breaks regional conventions |
| 05057 | KC-04669 | Remove; unifiable with Extension E U+2CD34 |
| 05084 | T13-3156 | The evidence suggests that the indexing radical should be Radical #73; change the number of remaining strokes from 4 to 8. |
| 05397 | GHZ84912.16 | Change the number of remaining strokes from 11 to 7 |
| 05411 | GHZ84902.05 | Remove; unifiable with Extension F U+2EB90 (JMJ-060365) |

One additional general comment is that a large number of G-source characters appear to be classified under an incorrect indexing radical, and only a small number of cases are reported in this document. The UTC recommends that China revisit the indexing radical assignments for its characters.

The following table lists 53 character pairs and one character triplet that can be merged into a single character because they are identical or unifiable:

| Serial Number | Source Reference | Serial Number | Source Reference | Serial Number | Source Reference |
|---------------|------------------|---------------|------------------|---------------|------------------|
| 00079 | GHZ10061.20 | 00081 | USAT08792 | | |
| 00291 | GHZ10029.13 | 02523 | T13-2E34 | | |
| 00521 | G_Z2411502 | 00522 | UTC-00987 | | |
| 00537 | G_Z4941101 | 00538 | UTC-02769 | | |
| 00703 | KC-00625 | 00705 | UTC-01205 | | |
| 00729 | USAT06429 | 00731 | UTC-01211 | | |
| 00767 | KC-00724 | 00771 | UTC-01220 | | |
| 00853 | USAT06750 | 00854 | UTC-01357 | | |
| 00945 | KC-00886 | 00946 | USAT06108 | | |
| 01051 | KC-00990 | 01053 | USAT05157 | | |
| 01228 | G_Z2772501 | 01232 | UTC-01011 | | |
| 01531 | KC-01500 | 01532 | UTC-01340 | | |
| 01749 | G_Z4111103 | 01751 | UTC-02861 | | |
| 01865 | GHZ42321.07 | 01866 | USAT05642 | | |
| 01990 | GHZ31737.07 | 01993 | UTC-01240 | | |
| 02014 | USAT06349 | 02015 | T13-2C6E | | |
| 02081 | TB-7142 | 02094 | KC-05254 | | |
| 02183 | USAT07218 | 02188 | UTC-02652 | | |
| 02267 | T13-2D51 | 02268 | UTC-01274 | | |
| 02313 | GHZ31305.04 | 02314 | USAT10441 | | |
| 02318 | GHZ42181.08 | 02319 | T13-2D5C | | |
| 02413 | G_Z0211401 | 02416 | USAT07088 | 02427 | T13-2D71 |
| 02414 | GHZ31449.10 | 02418 | UTC-01769 | | |
| 02438 | T13-2D77 | 02439 | UTC-01540 | | |
| 02493 | GHZ21218.06 | 02494 | UTC-02646 | | |
| 02529 | GHZ52762.06 | 02530 | UTC-02659 | | |
| 02533 | GHZ10045.11 | 02534 | T13-2E38 | | |
| 02559 | GHZ52716.11 | 02561 | T13-2E44 | | |
| 02583 | T13-2E4B | 02587 | GHZ52734.02 | | |
| 02692 | GHZ52716.02 | 02693 | T13-2E78 | | |
| 02738 | GHZ52658.04 | 02739 | T13-2F2B | | |
| 02768 | GHZ52680.10 | 02769 | T13-2F32 | | |
| 02776 | GHZ52684.18 | 02778 | T13-2F35 | | |
| 02782 | KC-02862 | 02784 | UTC-02658 | | |
| 02815 | T13-2F41 | 02817 | USAT06482 | | |
| 02974 | G_Z2242305 | 02976 | KC-03052 | | |
| 02978 | GHZ52784.07 | 02979 | T13-2F69 | | |
| 03032 | GHZ52917.08 | 03033 | USAT07062 | | |

| Serial Number | Source Reference | Serial Number | Source Reference | Serial Number | Source Reference |
|---------------|------------------|---------------|------------------|---------------|------------------|
| 03046 | T13-2F7D | 03048 | GHZ52925.13 | | |
| 03074 | GHZ52905.02 | 03075 | T13-302A | | |
| 03158 | USAT04879 | 03159 | T13-3037 | | |
| 03339 | T13-303F | 03344 | USAT08448 | | |
| 03556 | USAT90299 | 03557 | UTC-02629 | | |
| 03592 | G_PGLG2020 | 03595 | UTC-01963 | | |
| 03867 | G_Z1772305 | 03868 | UTC-02808 | | |
| 04019 | GHZ73893.04 | 04020 | T13-312C | | |
| 04266 | USAT08520 | 04267 | T13-3133 | | |
| 04621 | G_Z2382304 | 04622 | UTC-02194 | | |
| 04652 | T13-3145 | 04662 | GHZ74447.03 | | |
| 04689 | T13-3148 | 04693 | GHZ74472.02 | | |
| 04796 | USAT90300 | 04797 | T13-314C | | |
| 05038 | GHZ84895.21 | 05039 | T13-3153 | | |
| 05093 | USAT10123 | 05096 | GHZ84996.07 | | |
| 05417 | GHZ84903.24 | 05419 | UTC-02820 | | |

The following 52 characters were intentionally included in the UTC's submission (IRG N2091R), and can be removed because they are now safely in Extension F:

| Serial Number | Source Reference | Extension F (IRG N2130) | Extension F Serial Number |
|---------------|------------------|-------------------------|---------------------------|
| 02149 | UTC-01029 | U+2DD05 | 04202 |
| 02971 | UTC-01041 | U+2E0BE | 05288 |
| 02476 | UTC-01084 | U+2DE61 | 04584 |
| 03253 | UTC-01087 | U+2E26A | 05782 |
| 03256 | UTC-01088 | U+2E26B | 05783 |
| 03266 | UTC-01089 | U+2E26D | 05785 |
| 03277 | UTC-01090 | U+2E270 | 05788 |
| 03279 | UTC-01091 | U+2E271 | 05789 |
| 03289 | UTC-01092 | U+2E273 | 05791 |
| 03294 | UTC-01093 | U+2E274 | 05792 |
| 03296 | UTC-01094 | U+2E275 | 05793 |
| 03311 | UTC-01095 | U+2E278 | 05796 |
| 03638 | UTC-01097 | U+2E430 | 06291 |
| 03711 | UTC-01098 | U+2E50B | 06545 |
| 03713 | UTC-01099 | U+2E50E | 06546 |
| 03716 | UTC-01100 | U+2E513 | 06552 |
| 03794 | UTC-01101 | U+2E58A | 06686 |
| 03809 | UTC-01102 | U+2E5BA | 06737 |
| 03945 | UTC-01106 | U+2E655 | 06909 |
| 03952 | UTC-01107 | U+2E656 | 06910 |
| 04211 | UTC-01111 | U+2E77F | 07225 |
| 04215 | UTC-01112 | U+2E780 | 07226 |
| 04231 | UTC-01113 | U+2E783 | 07229 |
| 04244 | UTC-01114 | U+2E785 | 07231 |

| Serial Number | Source Reference | Extension F (IRG N2130) | Extension F Serial Number |
|---------------|------------------|-------------------------|---------------------------|
| 04245 | UTC-01115 | U+2E784 | 07230 |
| 04359 | UTC-01116 | U+2E829 | 07422 |
| 04455 | UTC-01117 | U+2E8FD | 07653 |
| 04463 | UTC-01118 | U+2E8FE | 07654 |
| 04493 | UTC-01120 | U+2E8FF | 07657 |
| 04518 | UTC-01121 | U+2E900 | 07658 |
| 04544 | UTC-01122 | U+2E901 | 07660 |
| 04565 | UTC-01123 | U+2E902 | 07661 |
| 04777 | UTC-01125 | U+2EA00 | 07952 |
| 04781 | UTC-01126 | U+2EA01 | 07953 |
| 04897 | UTC-01131 | U+2EA67 | 08070 |
| 05009 | UTC-01134 | U+2EAAF | 08147 |
| 05021 | UTC-01135 | U+2EAB1 | 08149 |
| 05043 | UTC-01136 | U+2EACE | 08186 |
| 05161 | UTC-01137 | U+2EB29 | 08281 |
| 05165 | UTC-01138 | U+2EB28 | 08282 |
| 05172 | UTC-01139 | U+2EB2A | 08283 |
| 05180 | UTC-01140 | U+2EB2B | 08285 |
| 05190 | UTC-01141 | U+2EB2C | 08286 |
| 05193 | UTC-01142 | U+2EB2D | 08287 |
| 05201 | UTC-01143 | U+2EB2E | 08288 |
| 05208 | UTC-01144 | U+2EB2F | 08289 |
| 05217 | UTC-01145 | U+2EB30 | 08290 |
| 05309 | UTC-01147 | U+2EB71 | 08370 |
| 05324 | UTC-01149 | U+2EB72 | 08371 |
| 05362 | UTC-01151 | U+2EB74 | 08373 |
| 05369 | UTC-01152 | U+2EB76 | 08375 |
| 05514 | UTC-01153 | U+2EBE5 | 08501 |

That is all.