

**Universal Multiple-Octet Coded Character Set**  
**International Organization for Standardization**

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

**Title:** Proposed kIRG\_GSource Changes & Corrections

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**Status:** Individual Contribution

**Action:** For consideration by IRG & UTC

**Date:** 2018-02-22

This document proposes changes to the [kIRG\\_GSource](#) property, which, if accepted, should be reflected in ISO/IEC 10646 Section 23.1, [CJKSrc.txt](#), [UAX #38](#), and the [Unihan Database](#).

Please consider taking the following four actions:

1. Per discussions on the “Unihan” mailing list that involved representatives from China, update the descriptions of several kIRG\_GSource property source prefixes—G0, G1, G3, G5, G8, G9, GE, GH, and GK—in ISO/IEC 10646 Section 23.1 and UAX #38 as follows:
  - G0 GB/T 2312-1980 (formerly GB 2312-80)
  - G1 GB/T 12345-1990 (formerly GB/T 12345-90)
  - G3 GB/T 13131 (unpublished GB/T 7589-1987 unsimplified forms)
  - G5 GB/T 13132 (unpublished GB/T 7590-1987 unsimplified forms)
  - G8 GB/T 8565.2-1988 (formerly GB 8565.2-88)
  - G9 GB 18030-2005 (updated GB 18030-2000)
  - GE GB/T 16500-1998
  - GH GB/T 15564-1995
  - GK GB/T 12052-1989 (formerly GB 12052-89)
2. Correct the kIRG\_GSource property values for the first 3,778 ideographs that include the “GE” source prefix—as sorted by kIRG\_GSource property value—by adding 0x0F to the first byte’s hexadecimal value. For example, the first ideograph, U+4E04 丄, should be changed from GE-2121 to GE-3021, and the last (3,778th) ideograph, U+9FA4 𠩺, should be changed from GE-4932 to GE-5832. Please examine the GB/T 16500-1998 standard (open the PDF attachment) to confirm. All 3,778 corrected values are conveniently provided in the *ge-3778-corrected.txt* data file (open the PDF attachment).
3. Change the kIRG\_GSource property value for U+6A69 𠩺 from GE-4933 to GKX-0555.04, because this ideograph is simply not included in the GB/T 16500-1998 standard. (This particular ideograph does have a [kIRGKangXi](#) property value of 0555.040, which means that the kIRG\_GSource source prefix “GKX” would be appropriate.) Per #2 above, the corrected kIRG\_GSource property value for this ideograph would be GE-5833 (Row-Cell 56-19), but as can be easily confirmed on pp 9 and 23 (page 14 of the standard itself) of the GB/T 16500-1998 standard (open the PDF attachment), this ideograph is simply not included. Furthermore, Section 1 of that standard explicitly states that only 3,778 ideographs are included, and this one would be the 3,779th.
4. Remove the [kGB5](#) property value for U+6A69 𠩺, 3752, because its presence in the unpublished GB/T 13132 standard (aka GB/T 7590-1987 unsimplified forms) cannot be confirmed.

That is all.