Universal Coded Character Set
International Organization for Standardization
Organisation Internationale de Normalisation
Международная организация по стандартизации

Doc Type:	**Ideographic Research Group Document**
Title:	**Proposal to establish a new normative kIRG_SGSource property**
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Action:	**For consideration by WG2, IRG and UTC**
Appendix:	**3**
Date:	**2025-02-26**

I once submitted IRG N2841 on the Singapore and Malaysia issues. IRG asked me for a formal proposal on `kIRG_SGSource` as Recommendation IRG M65.19 shows.

In current code charts of UCS and Unicode, we have one source related to Singapore, which is GS-Source. UAX #38 shows the information as below.

GS	Singapore Characters

However, Singapore has no longer participated in the IRG encoding works. The question what we need to face is how to handle the GS-Source characters when the experts point out the issues. Jaemin Chung once submitted IRG N2545 on the issue of U+48B4 㒴. He pointed out that the GS-2151 glyph for U+48B4 should be updated like other source glyph at that time, and the final result is that we updated the GS-Source glyph but kept the source reference. At the end of the document, Jaemin raised more issues, that means maybe we will meet more situations like U+48B4 㒴 in future, and China can't handle them. Therefore, I suggest establishing a new normative property for the Singapore characters. The following parts are what we need to do.

(1) To establish SG-Source (`kIRG_SGSource`) which is separate from current G-Source (`kIRG_GSource`). The description is kept as Singapore characters.

Property	**kIRG_SGSource**
Status	Normative
Category	IRG Sources
Introduced	TBD…
Delimiter	N/A
Syntax	SG-[0-9A-F]{4}
Description	The IRG "SG" source mapping for this ideograph in hexadecimal. SG Singapore Characters

(2) To Remove the "GS" source prefix from the Syntax and Description of the `kIRG_GSource` property.

(3) To change the source references of all the current GS-prefixed G-Source characters to SG-Source references. All the GS prefixes should be updated to SG prefixes, and the values should be kept as-is. There is only one character we need to mention is U+48B4 㒴. It is better to keep the original GS-2151 glyph as the new SG-2151 glyph and move it to U+9097 邗 as Unicode 14.0 shows. The G-Source refence for U+48B4 㒴 could be changed to GKX-1268.18 (if China agrees).

There are three attachments for removals, change and additions.

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