

**Title:** Proposal for **kRSUnicode** and **kTotalStrokes** changes

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This is a proposal to 1) change **9** existing **kRSUnicode** property values; and 2) change **246** existing **kTotalStrokes** property values.

While laying the groundwork for a future proposal that would satisfy UTC #171 [Action Item 171-A36](#), I discovered that a large range of Extension A ideographs have incorrect *kTotalStrokes* property values, most of which are off by two strokes. Within the range that corresponds to Radical #140—U+4491 𠄎 through U+4587 𠄎—only one ideograph has a correct *kTotalStrokes* property value: U+453C 𠄎 (18). In addition, I determined that nine *kRSUnicode* property values were incorrect, including that of U+453C 𠄎.

My best guess is that the six-stroke form of Radical #140, 𠄎, was used to generate the current *kTotalStrokes* property values. And, as a side note, the reason why the *kTotalStrokes* property value for U+453C 𠄎, 18, is correct is due to its incorrect *kRSUnicode* property value, 140.12, specifically the residual number of strokes, 12, which should be 14.

## **Data files**

The *kRSUnicode-data.txt* and *kTotalStrokes-data.txt* data files, which are PDF attachments, provide the proposed property value changes for the Unihan database.

That is all.