

Universal Coded Character Set UCS

Title: Proposal to update Annex K of IRG P&P

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This document proposes that the description of 0 (zero) in Annex K, *List of First Strokes*, of the IRG Principles and Procedures be modified to allow its use when the first residual stroke is unclear.

Background

Section 2.4 of [UAX #45](#) (*U-Source Ideographs*) and Annex K of the IRG Principles and Procedures ([IRG N2652](#)) provide a table that lists the five “first stroke” values, which represent the first residual stroke after the declared radical. UAX #45 states the following about the use of 0 (zero):

If an ideograph has no residual strokes, its first residual stroke value shall be set to 0 (zero).

Annex K of the IRG Principles and Procedures states the following:

Note that if a character has no residue stroke besides the radical, the value 0 should be used.

IRG Working Set 2021 includes an ideograph that, if Radical #5 (乙) were to be used, would have an unclear first residual stroke, specifically [00760](#) (aka SAT-01395). Its first residual stroke would be U+3007 ○ IDEOGRAPHIC NUMBER ZERO or U+31E3 ◯ CJK STROKE Q, neither of which could be adequately covered by the values 1 through 5.

In addition, the editor of UAX #45 is planning to modify the statement in Section 2.4 to the following for Unicode Version 17.0:

If an ideograph has no residual strokes, or if its residual stroke value is unclear, its first residual stroke value shall be set to 0 (zero).

Proposal

Given the possibility of unclear first residual strokes, the proposal is to update the description of the value 0 (zero) in Annex K, *List of First Strokes*, of the IRG Principles and Procedures to the following (new text in **bold**):

Note that if a character has no residue stroke besides the radical, **or if its residual stroke value is unclear**, the value 0 should be used.

Next Steps

If the IRG agrees with this proposed change to the IRG Principles and Procedures, the IRG Convenor will produce a new draft for review at IRG Meeting #64.

That is all.