

ISO/IEC JTC1/SC2/WG2/IRG

Ideographic Rapporteur Group

(IRG)

Source/Contribution Identifier : CJK Strokes Ad Hoc Group

Meeting : 23rd IRG Meeting in Cheju, Republic of Korea

Title : CJK Strokes Ad Hoc Group Report

Status : For IRG's consideration and approval

Introduction

1. Pursuant to WG2's decision that CJK strokes fall within the scope of IRG work (SC2 Resolution M13-05:WG2 Resolution M.45.34), the CJK Strokes Ad Hoc Group was formed within the IRG to determine an encoding model for CJK strokes and to develop a CJK stroke repertoire for possible inclusion in ISO 10646.
2. It is the view of this Group that identification of CJK strokes and development of a repertoire is crucial to future development of the CJK ideographic repertoire. It is crucial because stroke type identification underlies formation, identification and indexing of all ideographs.
3. This report presents the findings and recommendation of the CJK Strokes Ad Hoc Group.

Scope of work

4. This Group recommends that the project scope should determine the repertoire of all strokes occurring in ISO 10646 ideographs. In the short term, the work should be limited to delivering a repertoire sufficient for strokes found within representative forms in the IICore and BMP CJK unified ideographs. The encoding model to be developed in the short term of this work should be adequate, and should not present obstacles to future expansion.
5. It does not fall within the scope of this work to elaborate stroke compositions for all ideographs.

Stroke Definition

Stroke : The basic element that defines the ideograph, traditionally created with a single uninterrupted movement of the writing instrument. In particular, the stroke may be limited to include those strokes identifiable among the representative forms appearing in the current ISO 10646 code charts, or in their pre-unification source glyphs.

Work plan

Ref.	Tasks	Planned end date
	Review of member contributions (documents N1081, N1086, N1086A, N1088, N1090, N985, N987, N1096 and N1097)	Before IRG #24
	Submission of comments from member bodies on encoding model and stroke repertoire should reach the IRG Rapporteur.	one month before IRG #24 Meeting

	Submitted comments will be circulated during the month before IRG #24 Meeting	before IRG #24 Meeting
	Drafting of encoding model and stroke repertoire to commence at IRG #24 Meeting	at the IRG#24 meeting
	Tentative finalization of the encoding model and stroke repertoire	in IRG #25 Meeting
	Submission of encoding model and stroke repertoire to the WG2 Meeting	after IRG #25 Meeting

Appendix - Summarized notes of discussion

6. The submitter of the documents N1081 (from China), N1086 and N1086A (from TCA), N1088 (from IRG Rapporteur), N1090 (from Anan San), N1087, N1097 (from Dr Richard Cook) presented to the Group for consideration. N1085, N1096 and N1098 were submitted but not included in the discussion.
7. Four issues were raised (recapped below) for IRG's attention in the N1088.
 - *The purpose and scope of CJK Strokes.*
 - *Encoding model and/or taxonomy of strokes.*
 - *Issues identifying a stroke – difference of typeface, regional conventions.*
 - *Basic repertoire – criteria for basic strokes.*
8. TCA confirmed that the strokes in N1086 and N1086A were first developed based on traditional Chinese characters. However, there are no reasons to believe that it does not cover strokes used in simplified Chinese characters.
9. In N1097, total of 24 strokes (including the 16 strokes in the HKSCS) were tabled to the Group for consideration and review. Dr Cook further suggested the Group to accept to adopt the CDL method provisionally for identifying and differentiating strokes.

10. Macao SAR will participate subject to approval/consent from Macao SAR authority.

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