

ISO/IEC JTC1/SC2/WG2/IRG

Ideographic Rapporteur Group

(IRG)

In the IRG#25 meeting at Berkeley, the CJK Strokes ad-hoc group finalized development of the CJK Stroke repertoire augmenting the existing set of 16 strokes with 21 new strokes, for a total of 37 strokes in the block. The current document provides information on each of the proposed 21 strokes including unique IRG ID, proposed name, and examples of usage.

The group went over each pending issue summarized in the previous report (IRG N1137A) and addressed additional comments supplied by US.

References

IRGN 1086A (“Stroke classification for Chinese characters”, TCA)

IRGN 987 (“CDL Specification”, Cook), See also IRGN 1096, IRGN 1097

IRGN 1081 (“146 ideographic components for ISO/IEC 10646”, China)

IRGN 1138 (“Suggestions of CJK Strokes for republic of Korea”, ROK)

The CJK Strokes ad-hoc group resolved to accept the following unifications:

1. IRG ID2 (HT) is unified with IRG ID9 (TCA, U+31C0).

2	ㄣ	HT	地、坊、牆、釘、牡、翔、矜、玩、 珪、提	TCA	
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2. IRG ID7 (LD) is unified with IRG ID6 (D).

7	ㄣ	LD	TCA: 奇、示、奏、父、米、奧、小、 卜	TCA	
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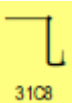
3. IRG ID12 (HXZ) is equivalent to either IRG ID10 (HZ) or IRG ID13(HP).

12	ㄣ	HXZ	今、敢	China	
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4. IRG ID24 (PT) is unified with IRG ID23 (PZ)*.

24		PT	TCA:弘、么、公、翁 Cook:厶	TCA、Cook	(*)Name of IRG ID23 is changed from PH to PZ
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5. IRG ID29 (HXG) is unified with IRG ID29A (HZWG, U+31C8)

29		HXG	TCA:飛、風、瘋、九、几、氣 China:虱	TCA、Cook China	
29A			Cook:飛、氣 Ad Hoc group：九、几、亢	Cook	Report to WG2 for change of glyph to that of IRG ID 29

6. IRG ID31 (SZXZ) is unified with IRG ID30 (SZZ).

31		SZXZ	TCA:吳 China:吳、呉 Cook:专、呉	TCA、Cook China	
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7. IRG ID37 (WP) is unified with IRG ID4 (P) ~~5-(SP)~~.

37		WP	厂	Cook	
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8. IRG ID38 (DN) is unified with IRG ID8 (N).

38		DN	入、冫	Cook	
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9. IRG ID 39 (PN) is unified with IRG ID8 (N).

39		PN	是、走	Cook	
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10. IRG ID40 (TPN) is unified with IRG ID8 (N).

40		TPN	之	Cook	
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11. IRG ID 44, 45, 46 are added from ISO/IEC 10646:2003/Amd.1 to complete the stroke set.

44		HZT			(U+31CA)	
45		HZZP			(U+31CB)	
46		HPWG			(U+31CC)	

In addition, the group requests the IRG to make the following suggestions to WG2.

1. The current glyph for U+31C8 in the standard represents a very specific form out of unifiable stroke shapes.

The group suggests changing the current glyph to  indicated as the representative shape of IRG ID29 (HXG) which is more generic for the stroke type of this kind.

2. The group also suggests adding an annotation “(hxg)” to the name “CJK STROKE HZWG” to indicate U+31C8 represents generic form of the HXG (Heng-Xie-Gou) type of CJK Stroke including HZWG (Heng-Zhe-Wan-Gou) type as a special case.

The group also resolved to instruct the editor of the Stroke ad-hoc group to generate the following two files for the IRG rapporteur to submit the proposal to WG2 after IRG review:

- IRG N1180 (“Proposed additions to the CJK Strokes block of the UCS”)
- IRG N1181 (“Summary for Stroke submission”)

Schedule:

24th of December 2005 Draft ready

16th of January 2006 Feedback from member bodies

30th of January 2006 Revised submission copy is ready.

Final proposed CJK Stroke repertoire

IRG ID	Stroke	Proposed name	Usage examples	Submitters	Proposed UCS	mappings to existing UCS
1	一	H	TCA: 一、三、丁、丞、丈、世、不、上 Cook: 十、卅、七	TCA、Cook		CJKU: U+4E00 (一)
3	丨	S	TCA: 乚、中、串、証、乍 Cook: 中、上、五、丑	TCA、Cook		CJKU: U+4E28 (丨)
4	丿	P	TCA: 乂、爻、禾、毛、乏、乖、采、衣 Cook: 八、行	TCA、Cook		CJKU: U+4E3F (丿)
5	㇏	SP	TCA: 乃、月、用、齊、几、夂、人、班 Cook: 大	TCA、Cook		CJKU: U+4E3F (㇏)
6	丶	D	TCA: 丸、义、永、冰、凡、丹、主、求 Cook: 火、主	TCA、Cook		CJKU: U+4E36 (丶)
8	㇏	N	TCA: 大、人、天、入、走、邊、廷、尺、 Cook: 人	TCA、Cook	(U+31CF)	
9	㇏	T	TCA: 冰、淋、冶、冽、暴、汜、錄 Cook: 地、虫	TCA、Cook	(U+31C0)	
10	㇏	HZ	TCA: 口、口、田、品、呂、申、甲、圓 China: 𠂔 Cook: 口	TCA、 China、 Cook		CJKU: U+200CD (𠂔)
11	㇏	HG	TCA: 疋、了、予、矛、子、字、疏、今 Cook: 、寫、㇏	TCA、Cook		CJKU: U+4E5B (㇏)
13	㇏	HP	TCA: 又、双、叕、今 Cook: 又、今	TCA、Cook	(U+31C7)	
14	㇏	SZ	TCA: 斷、繼 Cook: 山、互	TCA、Cook		CJKU: U+200CA (㇏) U+200CB

						(厶)
15	𠂇	SW	TCA:區、亡、妄 Cook:四	TCA・Cook	(U+31C4)	
16	冫	SWZ	肅、嘯、蕭、簫	TCA	KX counting convention	CJKU: U+200CE (冫)
17	𠂆	ST	TCA:食、良、艮、很、狠、鄉 Cook:民	TCA・Cook		CJKU: U+2010C (𠂆)
18	冫	SG	爭、事、求、水	TCA		CJKU: U+4E85 (冫)
19	ㄣ	BXG	TCA:心、必、沁、憇、蕊	TCA・Cook	(U+31C3)	
20	戈	XG	TCA:戈、弋、戰、我 Cook:我、弋	TCA・Cook	(U+31C2)	
21	㇏	WG	TCA:狐、嶽、貓、家、逐 Cook:家	TCA・Cook	(U+31C1)	
22	<	PD	TCA:巡、獵、災、畱 Cook:女、𠂇	TCA・Cook		CJKU: U+21FE8 (<)
23	厶	PZ	互、彙、牙、弘、么、公、翁	TCA	Previously identified with PH	CJKU: U+200CB (厶)
25	ㄣ	TN	TCA:𠂇 Cook:八、入、曳	TCA・Cook		CJKU: U+4E40 (ㄣ) U+4E41 (ㄣ)
26	𠂇	HZZ	TCA:𠂇 Cook:凹	TCA・Cook	(U+31C5)	
27	𠂇	HZW	TCA:𠂇、投 Cook:朵	TCA・Cook	(U+31CD)	
28	𠂇	HZG	TCA:羽、習、包、勻、匍、用、青、甫 Cook:月、勻	TCA・Cook	(U+31C6)	CJKU: U+200CC (𠂇)
29 A	𠂇	HZWG (HXG)	TCA:飛、風、瘋、九、几、氣 China:虱	TCA・Cook China	(U+31C8)	Rad supp: U+2E84 (𠂇)
30	𠂇	SZZ	TCA:亞、鼎、𠂇 Cook:亞、龍	TCA・Cook		CJKU: U+200D1 (𠂇)
32	𠂇	SWG	TCA:亂、己、巳、巳	TCA・Cook		CJKU:

			Cook:礼、心			U+4E5A (𠂇)
33	𠂇	HZZZ	TCA: 凸 Cook: 凸	TCA、Cook	(U+31CE)	
34	乙	HXWG	TCA:乙、𠂇 Cook:乞	TCA、Cook		CJKU: U+4E59 (乙)
35	𠂇	SZWG	TCA:號、号、𠂇、弓、強、𠂇 Cook:马、𠂇	TCA、Cook	(U+31C9)	
36	𠂇	HZZZG	TCA:乃、孕、仍 Cook:乃、仍	TCA、Cook		CJKU: U+2010E (𠂇)
41	𠂇	PG	𠂇 (J source character)	Cook		
42	○	Q	𠂇 (K source character)	Cook K		Misc Sym: U+26AA 𠂇 (26AA), U+26AC 𠂇 (26AC)
43	𠂇	YX	𠂇 (K source character)	K		

44	𠂇	HZT			(U+31CA)	
45	𠂇	HZZP			(U+31CB)	
46	𠂇	HPWG			(U+31CC)	

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