

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

Doc Type: Ideographic Research Group Document
Title: Consolidated SC and FS guidelines for IWDS
Source: Eiso Chan (陈永聪, Culture and Art Publishing House)
Status: Individual Contribution for IRG #66
Action: For consideration by IRG
Date: 2026-01-31

After submitting IRG N2862 to IRG, I received several feedback comments from different IRG experts: Henry CHAN, CHEN Xiaoyan, CHEN Zhuang, HUANG Junliang, Ken LUNDE. The pending issues have also been resolved.

1. Structure

The structure of the table inherited the one of IRG N2862 basically, but I updated the syntax of the Entry column and removed the Note column.

For Entry column, the syntax is `\d{1,2}[DHOPSZ][a-z]`. There are three parts: 1) the Western Arabic Numeral sequence means the SC value; 2) the upper Latin letter means the FS value, H=横, S=豎/豎/豎, P=撇, D=點/点, Z=折, O=〇; 3) the lower Latin letter means the ordering.

For Shape and Variants columns, the proper glyph matched SC and FS is set on Shape column, and other related glyphs are set on Variants column.

For FS column, there are six kinds of values here. 一 (1), | (2), J (3), 、 (4) and 乙 (5) follow Annex K of [IRG P&P](#) (no 0 and 6 here), and dotted circle means the uncertain value which needs to count the situation of the dotted circle part in the glyphs.

For SC column, "<value> + dotted circle" means the uncertain value which needs to count the stroke with the dotted circle component together; other values should be used directly.

2. Reference documents

IRG N954AR	First residual strokes & stroke counts
IRG N1105	Amendments to IRG N954AR
IRG N2171	Stroke Counting Guidelines
IRG N2221	Stroke Counting Guidelines
IRG N2862	Proposal to create consolidated SC and FS guidelines for IWDS
IRG N2915	Comments about the FS values in <IRG N2862, Proposal to create consolidated SC and FS guidelines for IWDS, Eiso CHAN>

For IRG N2915, this document has not yet been discussed in an IRG meeting. This revision has not been modified based on that document, and the following are responses to Prof. Kim:

- 1) All previous versions of IRG documents that prescribed FS values — IRG N954AR from 2002 and IRG N1105 from 2005 — made no mention of radicals whatsoever, so why wait over 20 years to provide such feedback?
- 2) Due to the necessarily prescriptive nature of this document, differentiating between radical and non-radical components is unnecessary.
- 3) FS values, which will no longer be required for submissions to the IRG, will now be used mainly by the IRG Chief Editor for adjusting FS values, but are still useful to include.

3. Future additions

There are more comments on the future additions, and I list them as below. If IRG has consensus, they will be added in the future version.

丂	FS=1, SC=2	Tao Yang, Kushim Jiang, Liu Huidan, Eiso Chan	
冖	FS=4, SC=2	Andrew West	WS2024-02433
the left part of 邦	FS=1, SC=4	Ken Lunde	WS2024-02225
廿	FS=1, SC=4	Tao Yang, Kushim Jiang, Liu Huidan, Eiso Chan	
反	FS=3, SC=4	Eiso Chan	WS2024-00369 , 00377 , 02570
次	FS=1, SC=6	Chen Zhuang	WS2024-00244 , 01582 , 04588
回/囧	FS=2, SC=6	Eiso Chan	
耒	FS=3, SC=6	Lee Collins	WS2024-04416
垂	FS=3, SC=8	Tao Yang, Kushim Jiang, Liu Huidan, Eiso Chan	
戾/戾	FS=4, SC=8	Eiso Chan	
面/面	FS=1, SC=9	Eiso Chan	
食/飠/食	FS=3, SC=9	Andrew West, Lee Collins	WS2024-04196 , 04201
𡗗/𡗗	FS=3, SC=9	Eiso Chan	WS2024-03468
𡗗	FS=3, SC=9	HKSAR	WS2024-03617
乘	FS=3, SC=9	Tao Yang, Kushim Jiang, Liu Huidan, Eiso Chan	
盥/盥	FS=2, SC=10	Eiso Chan	WS2024-02943
袞/袞	FS=4, SC=11	Eiso Chan	WS2024-03473
盜/盜	FS=4, SC=12	Chen Zhuang	
𨛵𦍋口/𨛵𦍋業主口	FS=2, SC=13	Eiso Chan	WS2024-00292
羨/羨	FS=4, SC=13	Chen Zhuang	
肅	FS=5, SC=13	ROK	WS2024-01111

(End of Document)

Entry	Shape	FS	SC	Variants
2Ha	匕	一	2	匕匕匕匕
2Pa	乃	丿	2	乃乃乃
2Pb	入	丿	2	入入入
2Pc	𠂇	丿	2+○	𠂇
2Pd	𠂇	丿	2+○	
2Da	ㄣ	丶	2	ㄣ ㄣ
2Db	ㄣ	丶	2	ㄣ ㄣ ㄣ
2Za	力	乙	2	
20a	囧	○	2+○	囧囧
3Ha	𠂇	一	3	𠂇 𠂇
3Hb	𠂇	一	3	𠂇 𠂇 𠂇 𠂇 𠂇 𠂇
3Sa	小	丨	3	ㄣ 小
3Sb	山	丨	3	山山
3Da	𠂇	丶	3	𠂇 𠂇 𠂇
3Db	ㄣ	丶	3	ㄣ ㄣ
3Dc	ㄣ	丶	3	
3Dd	门	丶	3	门门
3De	义	丶	3	义
3Za	叉	乙	3	叉叉
3Zb	弓	乙	3	弓弓弓弓弓
3Zc	𠂇	乙	3	
3Zd	𠂇	乙	3	𠂇 𠂇
3Ze	女	乙	3	女女女女女 女
30a	𠂇	○	3+○	𠂇 𠂇

Entry	Shape	FS	SC	Variants
4Ha	比	一	4	比比比比比
4Hb	无	一	4	无无无无
4Hc	屯	一	4	屯屯屯屯
4Sa	水	丨	4	水水水水水
4Sb	++	丨	4	++ ++ ++ 艸艸艸
4Sc	卅	丨	4	
4Sd	囧	丨	4+ 	  
4Pa	及	丿	4	及及及及
4Pb	𠂇	丿	4	𠂇𠂇
4Pc	攴	丿	4	攴攴攴
4Pd	爪	丿	4	爪爪爪      
4Da	之	丶	4	之之之
4Db	心	丶	4	心小小
4Dc	火	丶	4	火火火 𤇀 𤇁
4Dd	灬	丶	4	
4De	户	丶	4	户户户户户户户户户
4Df	方	丶	4	方方方方方
40a	𠂇		4+ 	𠂇𠂇𠂇𠂇
5Ha	匝	一	5	匝匝
5Hb	瓦	一	5	瓦瓦瓦瓦
5Hc	布	一	5	
5Hd	右	一	5	右右
5He	左	一	5	左
5Hf	巨	一	5	巨巨巨

Entry	Shape	FS	SC	Variants
5Sa	凹	丨	5	凹凹
5Sb	凸	丨	5	凸凸
5Sc	北	丨	5	北北
5Sd	米	丨	5	米米米丰
5Se	内	丨	5	内内内内
5Sf	冊	丨	5	冊冊冊
5Pa	乏	丿	5	乏乏乏乏
5Pb	印	丿	5	印印印
5Pc	𠂇	丿	5	𠂇𠂇
5Pd	正	丿	5	正正正正正正正正企
5Da	𠂇	丶	5	𠂇𠂇𠂇𠂇示示
5Db	必	丶	5	
5Za	出	乙	5	出出
5Zb	皮	乙	5	皮
6Ha	臣	一	6	臣臣臣
6Hb	至	一	6	至至至至
6Hc	𠂇	一	6	𠂇𠂇
6Hd	𠂇	一	6	𠂇
6Pa	色	丿	6	色色色色色
6Pb	衍	丿	6+○	
6Da	𠂇	丶	6	𠂇衣衣衣衣衣
6Db	良○	丶	6+○	良○良○良○良○良○良○良○良○良○
6Za	糸	乙	6	糸糸糸糸糸糸
6Zb	𠂇	乙	6+○	𠂇𠂇

Entry	Shape	FS	SC	Variants
6Zc	弼	乙	6+○	弼弼
7Ha	臣	一	7	臣臣臣臣臣臣
7Hb	辰	一	7	辰辰辰辰辰辰
7Hc	𠂔	一	7	𠂔𠂔
7Hd	成	一	7	成成成
7He	吞	一	7	吞吞吞
7Hf	𠂔	一	7	𠂔𠂔𠂔𠂔𠂔𠂔
7Pa	𠂔	丿	7	𠂔𠂔𠂔
7Pb	免	丿	7	免免免
7Pc	𠂔	丿	7	𠂔𠂔𠂔𠂔
7Da	兌	丶	7	兌兌兌兌兌兌兌兌
7Db	言	丶	7	言言言
7Dc	𠂔	丶	7	𠂔
7Dd	𠂔	丶	7+○	𠂔𠂔
7Za	𠂔	乙	7	𠂔𠂔𠂔𠂔𠂔𠂔𠂔𠂔
8Ha	長	一	8	長長長長
8Hb	𠂔	一	8	𠂔𠂔
8Hc	𠂔	一	8+○	
8Hd	𠂔	一	8+○	𠂔𠂔𠂔𠂔𠂔𠂔𠂔𠂔𠂔𠂔𠂔𠂔
8He	𠂔	一	8+○	𠂔𠂔𠂔𠂔
8Sa	門	丨	8	
8Sb	𠂔	丨	8	𠂔𠂔𠂔𠂔𠂔𠂔
8Pa	非	丿	8	非非非
8Pb	卑	丿	8	卑卑卑

Entry	Shape	FS	SC	Variants
8Pc	爭	丿	8	争争争争争爭爭爭
9Ha	者	一	9	者
9Hb	𠂇	一	9	𠂇𠂇𠂇𠂇𠂇
9Sa	幽	丨	9	幽幽幽
9Pa	𠂇	丿	9	𠂇𠂇𠂇𠂇
9Za	段	乙	9	段
9Zb	韋	乙	9	韋韋韋韋
10Ha	馬	一	10	馬
10Sa	鬥	丨	10	
10Pa	叟	丿	10	叟叟叟叟
10Pb	鬯	丿	10	鬯鬯鬯
10Pc	鬼	丿	10	鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼 鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼鬼
10Pd	𠂇	丿	10+○	
11Da	离	丶	11	离离离
12Ha	黄	一	12	黄黄黄黄黄黄黄
12Sa	黑	丨	12	黑
12Pa	爲	丿	12	爲爲爲爲爲爲
12Za	絲	乙	12+○	絲絲絲絲絲絲
15Da	養	丶	15	養養養養養養
16Pa	龜	丿	16	龜龜龜龜龜龜龜龜龜