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

Doc Type:	**Ideographic Research Group Document**
Title:	**Proposal to create consolidated SC and FS guidelines for IWDS**
Source:	**Eiso Chan (**陈永聪**, Culture and Art Publishing House)**
Status:	**Individual Contribution for IRG #65, Guangzhou, Guangdong, China**
Action:	**For consideration by IRG**
Date:	**2025-08-24**

In current IWDS, there are four documents related to SC and FS guidelines, but the rules are not consistent enough and it is not easy to check them. This document merges these four documents with 21 additional new entries. I suggest IRG member bodies and experts check the table carefully and provide feedback to me for modifying and updating.

1. Structure

The structure of the table basically follows IRG N954AR.

For SN column, the ordering is firstly by increasing SC value, and then by increasing FS value. For the special cases as #3, #12, #13, #24, #28, through #30, #37, #41 through #43, #53, #69, #84, #85, #88, #95, #99, #104, #105, #107, #112, #114, #131, #134, they have been covered by other formal entries, which will be removed in the finalized version of the table, so I listed them before the formal one for reviewing more easily.

For Shape and Variants column, the current structure form just follows IRG N954AR, and Shape column commonly shows the G-Source shaped glyph, and other regional source shaped glyphs and other necessary glyphs are listed in Variants column.

For FS column, there are six kinds of values here. 一 (1), ｜ (2), 丿 (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. Note that there are no FS values in IRG N2171 and N 2221, so I added the corresponding values only marked C and D in Note column.

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.

For Note column, the values show the SN of the entries of those four previous related documents (A means IRG N954AR, B means IRG N1105, C means IRG N2171 and D means IRG N2221), and how to handle the entries in future. For 21 additional new entries, the value shows "added in this document". This column will be deleted once the table and the explanation have been finalized.

2. Suspect cases

When I made the font for this document, I found there are two suspect cases which are both collected from IRG N954R. I list them below.

SN (N2862)	SN (N954AR)	Basic Shape	Similar Character	Processing Method		
40	18	乐	弔 (U+20094)	It looks like a typo and should be merged to #68.		
	40	乐	丿	4	乐乐	A: 18
	68	弔	丿	5	弔弔	D: 10

SN (N2862)	SN (N954AR)	Basic Shape	Similar Character	Processing Method
64	59	氺	氺 (U+6C3A)	It looks a part of 屬 (U+5C6C), 犀 (U+7280) and so on. We often use 氺 in the IDS. It is OK to keep this entry and add more variants.

	64	氺	丨	5	氺氺氺	A: 59

If we can confirm Entry #40 is a typo, I will remove it in the finalized version.

There are other typos in IRG N2171 and N2221, such as the code point of 敖 is U+6556 not U+71AC (#12 of N2171, #33 of N2221), the glyph for U+65E1 is 旡 not 炁 (#4 of N2221). I have corrected them in this document.

3. Discussion issues

There are several issues that should be discussed by the IRG member bodies and experts.

SN	Shape	Detail
35	++	The current FS value is 丨 (2). In IRG works, FS value commonly follows the G-Source shape, so the other choice is 一 (1).

	35	++	丨	4	++ ++ ++ 艸 艸 艸	A: 36

SN	Shape	Detail
52	水	The first stroke is 亅, so the FS value should be 丨 (2) not 乙 (5).

	52	水	乙	4	水水水水水	A: 25

SN	Shape	Detail
108	艮	This case is also related to #35. The current FS value is 乙 (5) to follow the G-Source shape. The other choice is 丿 (3). #105 has covered #104, so there is no need to discuss #107.

	108	艮	乙	7	艮艮皀皀皀 皀皀皀皀	added in this document

SN	Shape	Detail
115	耵	This case is also related to #35. The current FS value is 一 (1) to follow the non G-Source and Kangxi shapes. The other choice is 乙 (5). #112 has covered #111, so there is no need to discuss #114.

	115	耵	一	8+○	耵耵耵耵	added in this document

SN	Shape	Detail
118	非	This case is related to #35. The current FS value is 丿 (3) to follow the non G-Source and Kangxi shapes. The other choice is 丨 (2).

	118	非	丿	8	非非非	A: 45

4. Appendix

The appendix is the table to show the detailed SC and FS guidelines.

5. Acknowledgement

(End of Document)

SN	Shape	FS	SC	Variants	Note
1	ヒ	一	2	ヒ ヒ ヒ ヒ	A: 13
2	乃	丿	2	乃 乃 乃	A: 1 D: 1
3	九	丿	2	九	A: 4; this one has been covered by #4
4	九̣	丿	2+◌	九̣	A: 65
5	入	丿	2	入 入 入	A: 8
6	川̣	丿	2+◌		A: 74
7	冫	丶	2	冫 冫	A: 50
8	亠	丶	2	亠 亠 亠	A: 56
9	力	乙	2		A: 12
10	囗̣	◌	2+◌	囗̣ 囗̣	A: 68
11	矢	一	3	矢 矢	A: 82
12	舛	丿	6	舛 舛 舛 舛 舛 舛	C: 3; this one has been covered by #14
13	夅	丿	6	夅 夅 夅 夅	C: 4 D: 14; this one has been covered by #14
14	牛	一	3	牛 牛 牛 牛 牛 牛	D: 2
15	小	丨	3	小 小	A: 19
16	山	丨	3	山 山	A: 20
17	忄	丶	3	忄 忄 忄	B: 23A
18	氵	丶	3	氵 氵	A: 51
19	丷	丶	3		A: 63
20	门	丶	3	门 门	added in this document
21	义	丶	3	义	A: 83
22	叉	乙	3	叉 叉	A: 81
23	弓	乙	3	弓 弓 弓 弓 弓	A: 22

SN	Shape	FS	SC	Variants	Note
24	邛	一	6		A: 41; this one has been covered by #25
25	阝	乙	3		A: 42
26	屮	乙	3	屮 屮	A: 57
27	女	乙	3	女 女 女 女 女 女	A: 17
28	建	乙	9	建 建 建 建	A: 6; this one has been covered by #31
29	廷	丿	7	廷 廷 廷 廷 廷 廷	A: 21; this one has been covered by #31
30	廴	乙	3	廴 廴	D: 3; this one has been covered by #31
31	廴	◌	3+◌	廴 廴	A: 66
32	比	一	4	比 比 比 比 比	A: 24 D: 7
33	旡	一	4	旡 旡 旡 旡	C: 11 D: 4
34	屯	一	4	屯 屯 屯 屯	added in this document
35	艹	丨	4	艹 艹 艹 艸 艸 艸	A: 36
36	廾	丨	4		A: 62
37	咼	丨	9	咼 咼 咼	C: 20 D: 24; this one has been covered by #38
38	咼	丨	4+◌	咼 咼 咼	added in this document
39	及	丿	4	及 及 及 及	A: 15 D: 6
40	乐	丿	4	乐 乐	A: 18
41	攸	丿	7	攸 攸 攸	D: 19a; this one has been covered by #44
42	致	一	9	致 致 致 致 致	D: 19c; this one has been covered by #44
43	敄	乙	9	敄 敄	C: 9 D: 19b; this one has been covered by #44
44	攵	丿	4	攵 攵 攵	A: 35

SN	Shape	FS	SC	Variants	Note
45	爪	丿	4	爪爪爪爫爫爫爫爫爫爫𤓯	A: 58
46	之	丶	4	之之之	A: 2 D: 5
47	心	丶	4	心小忄	A: 23
48	火	丶	4	火火灬 灬 火	A: 27
49	灬	丶	4		A: 60
50	户	丶	4	户户户户户户户户户户	A: 76
51	方	丶	4	方方方方方	A: 79
52	水	乙	4	水水水水水	A: 25
53	辶	丶	4	辶辶辶辶	A: 40 D: 8a; this one has been covered by #54
54	辶	◌	4+◌	辶辶辶辶	A: 67
55	匝	一	5	匝匝	A: 14 D: 9
56	瓦	一	5	瓦瓦瓦瓦	A: 28 C: 17 D: 12
57	布	一	5		A: 48
58	右	一	5	右右	A: 54
59	左	一	5	左	A: 55
60	巨	一	5	巨巨巨	added in this document
61	凹	丨	5	凹凹	A: 10
62	凸	丨	5	凸凸	A: 11
63	北	丨	5	北北	A: 32
64	米	丨	5	米米米	A: 59
65	内	丨	5	内内内内	D: 11
66	册	丨	5	册册册	added in this document

SN	Shape	FS	SC	Variants	Note
67	乏	丿	5	乏 乏 乏 乏	A: 3
68	旡	丿	5	旡 旡	D: 10
69	延	丿	8	延 延 延 延 延 延	C: 5 D: 22a; this one has been covered by #70 and #31
70	正	丿	5	正 正 正 正 正 正 正 正 正	added in this document
71	礻	丶	5	礻 礻 礻 礻 示	A: 31
72	必	丶	5		A: 53
73	出	乙	5	出 出	A: 9
74	皮	乙	5	皮	A: 29
75	臣	一	6	臣 臣 臣	A: 33 D: 15
76	臣	一	6	臣 臣 臣 臣 臣 臣	A: 61 D: 15
77	至	一	6	至 至 至 至	A: 34
78	戋	一	6	戋 戋	added in this document
79	卌	一	6	卌	added in this document
80	衍	丿	6+○		A: 73
81	色	丿	6	色 色 邑 邑 邑	A: 77
82	印	丿	6	印 印 印	C: 18 D: 13
83	礻	丶	6	礻 衣 衣 衣 衣 衣	A: 52
84	郎	丶	9	郎 郎 郎 郎 郎 郎 郎 郎 郎	D: 27a; this one has been covered by #86
85	朗	丶	10	朗 朗 朗 朗 朗 朗	D: 28b; this one has been covered by #86
86	良○	丶	6+○	良○ 良○ 良○ 良○ 良○ 良○ 良○ 良○ 良○	added in this document

SN	Shape	FS	SC	Variants	Note
87	糸	乙	6	糸 糸 糸 糸 糸 糸	A: 49
88	繼	丶	13	繼 繼 繼 繼	A: 38; this one has been covered by #89
89	絲	乙	6+◌	絲 絲	A: 69
90	弱	乙	6+◌	弱 弱	A: 75
91	辰	一	7	辰 辰 辰 辰 辰 辰	A: 39
92	镸	一	7	镸 镸	A: 43 D: 16
93	成	一	7	成 成 成	C: 7 D: 17
94	吞	一	7	吞 吞 吞	added in this document
95	敖	一	11	敖 敖 敖 敖 敖	C: 12 D: 33; this one has been covered by #96
96	𡗕	一	7	𡗕 𡗕 𡗕 𡗕 𡗕 𡗕	added in this document
97	辵	丿	7	辵 辵 辵	A: 40 B: 40A D: 8b
98	免	丿	7	免 免 免	C: 16 D: 18
99	卸	丿	9	卸	D: 22b; this one has been covered by #100
100	缶	丿	7	缶 缶 缶 缶	added in this document
101	兌	丶	7	兌 兌 兌 兌 兌 兌 兌 兌	A: 7
102	言	丶	7	言 言 言	A: 37
103	㒼	丶	7	㒼	D: 21
104	差	丶	10	差 差 差	D: 31a; this one has been covered by #106
105	羞	丶	11	羞 羞 羞	D: 31b; this one has been covered by #106
106	差	丶	7+◌	差 差	added in this document
107	既	乙	11	既 既 既 既 既 既 既 既	C: 8 D: 32; this one has been covered by #108 and #33

SN	Shape	FS	SC	Variants	Note
108	㡊	乙	7	㡊 㡊 皀 皀 皀 皀 皀 皀 皀	added in this document
109	長	一	8	長 長 長 長	A: 43
110	林	一	8+◯		A: 70
111	䍫	一	8	䍫 䍫	added in this document
112	真	一	10	真 真 真 真 真 真 眞 眞 眞 眞 眞 眞	A: 30 D: 30; this one has been covered by #113
113	真	一	8+◯	真 真 真 真 真 真 直 直 直 直 直 直	added in this document
114	敢	一	12	敢 敢 敢 敢 敢 敢	C: 6 D: 34; this one has been covered by #115
115	耴	一	8+◯	耴 耴 耴 耴	added in this document
116	門	｜	8		A: 44
117	�串	｜	8	�串 �串 �串 串 串 串 串	added in this document
118	非	ノ	8	非 非 非	A: 45
119	卑	ノ	8	卑 卑 卑	C: 10 D: 20
120	争	ノ	8	争 争 争 爭 爭 爭 爭	added in this document
121	者	一	9	者	C: 1 D: 23
122	呕	一	9	呕 呕 呕 呕	C: 15 D: 25
123	幽	｜	9	幽 幽 幽	A: 80
124	㡌	ノ	9	㡌 㡌 㡌 㡌	A: 26
125	段	乙	9	段	A: 5
126	韋	乙	9	韋 韋 韋 韋	C: 2
127	馬	一	10	馬	A: 46
128	鬥	｜	10		A: 64

SN	Shape	FS	SC	Variants	Note
129	叟	丿	10	叟 叟 叟 叟	A: 16 D: 26b
130	巤	丿	10	巤 巤 巤	A: 47
131	與	丿	14	與 與 與	D: 36; this one has been covered by #132
132	臾	丿	10+◌		A: 71
133	鬼	丿	10	鬼 鬼 鬼 鬼 鬼	A: 78 D: 29
134	禽	丿	13	禽 禽 禽	C: 14; this one has been covered by #135
135	离	丶	11	离 离 离	C: 13
136	黃	一	12	黃 黃 黃 黃 黃 黃	C: 19 D: 35
137	黑	丨	12	黑	added in this document
138	爲	丿	12	爲 爲 爲 為 为	added in this document
139	絲	乙	12+◌	絲 絲 絲 絲 絲	A: 72
140	養	丶	15	養 養 養 養 養	D: 31c
141	龜	丿	16	龜 龜 龜 龜 龜 龜 龜 龜	D: 37