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

Doc Type: Ideographic Rapporteur Group Document

Title: Request to discuss how to handle the Sanban Sign for

Chinese folk music and local operas

Source: Eiso Chan (陈永聪, Culture and Art Publishing House)

Status: Individual Contribution Action: For consideration by IRG

Date: 2022-02-15

0. Background

After the staff / western music notation (五线谱/五綫譜) and the number music notation (简谱/簡譜) were used widely in China, the folk music researchers realized that there was a special kind of rhythm form which had been used long ago in China, and this form is still common today, so they need a "new" beat sign to record this form.

Prof. Péng Shìduān (彭世端) defined the music used this kind of rhythm form is the "free beat music with uneven time position, uneven rhythm, which cannot be measured by fixed time interval (beat) and cannot beat." (时位不匀整的,非均分律动的,不能用固定时距(拍)来衡量的,打不出拍子来的自由节拍音乐。) Prof. Xiàng Qiánkūn (向乾坤) inherited this definition in his research. Now the researchers used the following symbol to record this kind of rhythm form consistently, but it's hard to know who was the first one to use it. Please see Fig. 0.1. We can call it as the Sanban Sign now. Prof. Péng mentioned this sign had been used in the book 《中国戏曲音乐集成(陕西卷)》 in 1983 in her paper, and this sign had been accepted and used by more and more researchers since 1980s. As Fig. 2.23 shows, the Sanban Sign is also used in Hong Kong SAR.



Fig. 0.1 Sanban Sign

Earlier, the researchers only used the Han character "散" at the same position of the scores to record this kind of rhythm form. Please see Fig. 0.2, which is the music score of Master Méi Lánfāng's (梅兰芳/梅蘭芳) performance.

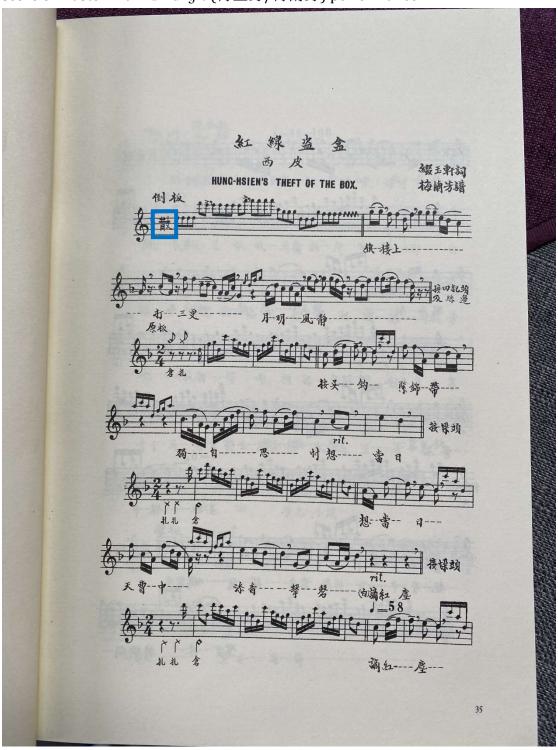


Fig. 0.2 Hung-hsien's Theft of the Box, the Peking Opera
The video is <u>here</u>.

1. Proposals

There are 5 methods to handle the Sanban Sign as bellow, and I list the reasons at the same time. I request the IRG experts reviewing these 5 methods and providing the constructive feedbacks.

1.1. Encode as a separate CJKUI

Compared with Fig. 0.2 and the evidence in Section 2, we can know the Sanban Sign is used as the same as the CJKUI "散" in Fig. 0.2, so it's reasonable to accept it as the CJKUI. In Section 2, we can find out this sign is often designed as the Sung/Ming style in the scores.

If this method is accepted, the metadata of this character is shown as below, and I will request UTC to include it in UAX #45 later.

Glyph	IDS	RS	FS	Var.	Src. Ref.
+	□十丿	1.2 or 140.0	2 or 0	N/A or U+5344	XX-XXXXX

The variant information should be discussed in Section 1.4 in this document.

1.2. Encode as a separate symbol like the CJK punctuation

The Sanban Sign is not really used in any Han running text as a common Han character, but it's necessary for the mainland China. This method is considered to encode it in the Ideographic Symbols and Punctuations block.

If this method is accepted, the encoding suggestion is shown as below.

U+16FE5	CHINESE	SANBAN	SIGN

The UCD information in UnicodeData.txt is shown as below.

```
16FE5; CHINESE SANBAN SIGN; Lm; 0; L;;;;; N;;;;;
```

The information in VerticalOrientation.txt is shown as below.

16FE5 ; U # Lm	CHINESE SANBAN SIGN
----------------	---------------------

1.3. Encode as a separate musical symbol

The Sanban Sign is always used with the staff / western music notation and the number music notation, so it could also encode it as a musical symbol in the Musical Symbols block. On the other hand, it's sometimes used with the Gongche Notation for the Cantonese Opera in Hong Kong SAR as Fig. 2.23 shows, so the

vertical orientation information is needed for this method.

If this method is accepted, the encoding suggestion is shown as below. According to SC2 N4783, U+1D1E9 and U+1D1EA will be used for the Iranian Notation, so I suggest choosing U+1D1EB.

U+1D1EB CHINESE SANBAN SIGN

The UCD information in UnicodeData.txt is shown as below.

1D1EB; CHINESE SANBAN SIGN; Lm; So; 0; L;;;;; N;;;;;

The information in VerticalOrientation.txt is shown as below.

1D1EB ; U # SO CHINESE SANBAN SIGN

1.4. Unify to U+5344

The Sanban Sign is the derived from the CJKUI "散", which is the same as the Jianzi fingering letter "散" (卄). The individual letter form of the Jianzi fingering letter "散" (卄) is similar to U+5344 (卄) not U+8279 (艹), and U+8279 (艹) should be used for the part of "荡吟/蕩吟" (荞) and "荡猱/蕩猱" (荞) in Jianzi musical notation, so it's better to map to the Sanban Sign to U+5344 not others in this method.

If this method is accepted, I will request to add this form as IVS later.

Note that VS17 and VS18 have been registered for HANYO-DENSHI and Moji_Joho sets.

1.5. Unify to U+30B5

It's not hard to realize the glyph for the Sanban Sign is very similar to U+30B5 Katakana Letter Sa (\dagger), and Katakana Letter Sa (\dagger) is derived from the CJKUI "散" as well. However, the default typographical forms between them are totally different. The one for Katakana Letter Sa is the Kai style, but the one for the Sanban Sign is the Sung/Ming style. The Sanban Sign is mainly used in mainland China and Hong Kong SAR, and all the Hiragana and Katakana letters are included in GB/T 2312-1980, GB 18030 and HKSCS-2016, so the glyphs for the Katakana Letter Sa in all the default or basic serif text typefaces must follow the Kai style. If we decide to unify the Sanban Sign to U+30B5 (\dagger), maybe we need to add the Sanban Sign to the SVS, otherwise the end users will hard to use the right form of the Sanban Sign.

I still don't support this method.

5.新翻羽调绿腰

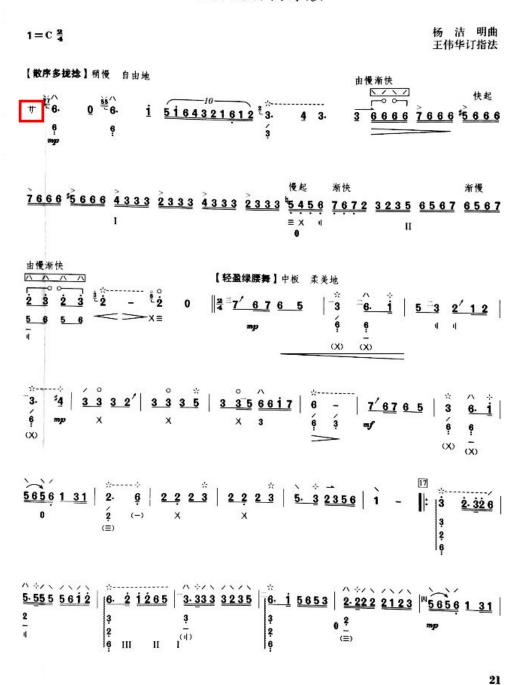


Fig. 2.1 [11], p. 21

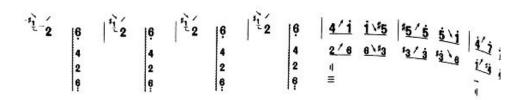
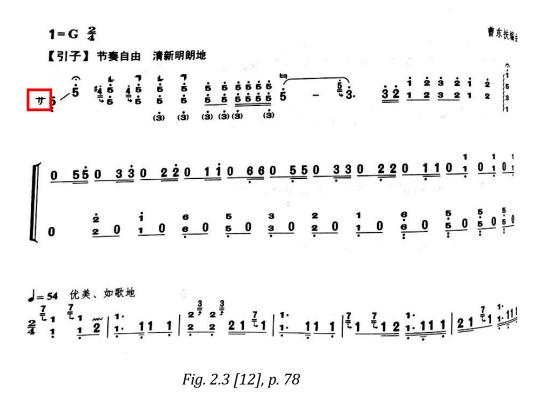


Fig. 2.2 [11], p. 90

28. 闹 元 宵



31. 幸福渠水到俺村

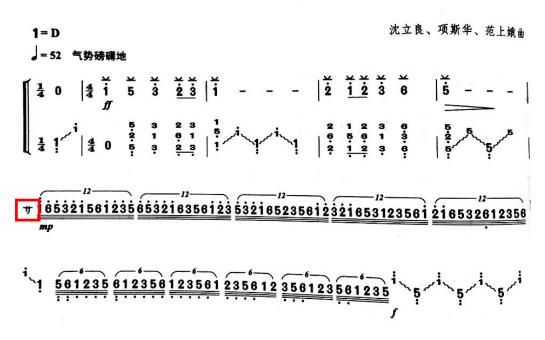


Fig. 2.4 [12], p. 94

梅花三弄

$$1 = D \stackrel{3}{\cancel{4}} \stackrel{2}{\cancel{4}} \stackrel{2$$

Fig. 2.5 [7], p. 64

浏阳河

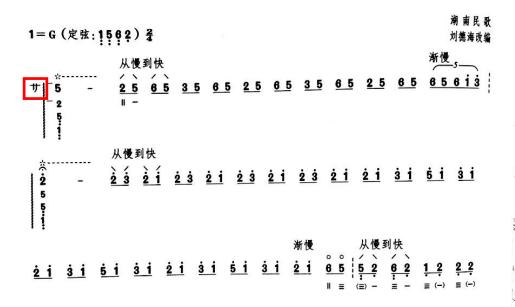


Fig. 2.6 [7], p. 102



Fig. 2.7 [5], p. 49

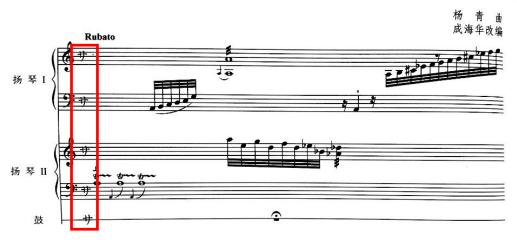


Fig. 2.8 [13], p. 50

Fig. 2.9 [13], p. 67

七十七 越王怨

(吴王怨)

 1

 4

 +1

 3 7 6 - | 5.617 6765 35 2 0545 | 67 6 (0277 6277 66535) |

 21 3 056i 5. i 6543 | 2(2321 61 2)1612 360532 | 121 (0532 15321)i 3 5356 |

 i. 4 3432 12 1 i | 6.165 3435 3535656i 6543 | 5356 7 6 5 (-錘)

 6 7 î - (两錘) (京叫头) 5 1 - 2 3 6 5. 3 2 2 6 1 - |

 夭 呀!



Fig. 2.10 [14], p. 41

一百六十三 寒宵吊影

Fig. 2.11 [14], p. 94

曲十六

1 = G

4 5. <u>i</u> 5. <u>32</u> 1. <u>2</u> 325 2 3 7 6 5 0 6 5 4 5 6 4 5 3 235 5 4 3 2)

2 -
$$\frac{7.265}{9}$$
 | 3 $\frac{\cancel{5.7}}{\cancel{6.5}}$ | $\frac{\cancel{6.5}}{\cancel{5.0}}$ | $\frac{\cancel{5.07}}{\cancel{6.5}}$ |

$$\frac{7.6}{6}$$
 $\frac{7.2}{7.2}$ $\frac{6}{6}$ $\frac{5.6}{5}$ $\frac{6}{5}$ $\frac{6}{5}$ $\frac{3.5}{6}$ $\frac{2.1}{6}$ $\frac{1.6}{9}$ $\frac{1.(2.3.5.2.3.1)}{9}$ $\frac{1.1}{2}$ $\frac{5.6}{2.5}$ $\frac{1.6}{2.5}$ $\frac{1.6}{5}$

Fig. 2.12 [9], p. 102

上写田伦顿首拜《四进士》选段(一)

宋士杰唱【西皮】

周信芳 演唱

Fig. 2.13 [8], p. 136

闻听得贤公主兵临城下 《刀劈三关》选段(一) 雷万春唱【西皮】

Fig. 2.14 [8], p. 154

58. 今朝相逢三生幸

《王熙凤·诓尤》王熙凤 (旦) 唱段

徐 棻 编剧 竞 华 作曲 萧开蓉 演唱 李远松 记谱

 $1 = C \frac{4}{4}$

286

Fig. 2.15 [10], p. 286

62. 频频思来暗暗想

《凤仪亭》貂蝉 (旦) 唱段

Fig. 2.16 [10], p. 307

子喉平喉对唱

i 1 i 1(6535) 235 6 i 65 3 5 2 3 4 3 5 3 0 2 7 6 5 · 3 【旦唱】 凄然, 凄然, 人羨我西施 貌似桃 李艳, 身世寒微遭

<u>i 76 i</u> 565 | 027 6i5 656i 5356 | i.7 6i65 6i653235 战乱复 何 言, 争似男儿立 志鹏 程 远, 建功不负好 华

232 (035) 2.3 2327 6.561 2(3532) 727276 5135 年。 成边守疆英勇为 国 邦, 女子有 志亦 难 如

676 06165 4 6165 3 6165 4 6165 3 6165 4 4 4 4 4 0 5 愿。 春归 去,花凋 谢,罡风 恶,新枝 嫩,飞花片片舞散风

121 【滚花】1=C サ (65 36i 5.6 43 2345 35 5 1 -)前。

6 5 3 <u>2 7</u> 6 <u>1.2</u> 3 2 (6 5 3 6 1 3 2) 7 7 6 5 3 5 (7 7 6 5 3 5) 日来于江 畔浣 纱, 午夜梦 回

4 3. 4 32 7 6 1 - (352351-) 6 7 7 2 76 56 7 [₹]6 - (一捶) 悲 世乱。 越女也知 亡 国 恨,

1 5 <u>27</u> 6 6 2 <u>327</u> 6 1 5·<u>7</u> 6 7 6 4 3 - 5 - (<u>35</u> 2·<u>3 12</u> 76 5 -) 国仇家 恨恨 绵 绵。

Fig. 2.17 [6], p. 1

平喉独唱

秋江冷艳 小明星唱 [漆花]1=C + (3 5 2 <u>3 5</u> 1 -) 3 <u>6 5</u> <u>1 2</u> 3 (3 5 <u>1 2</u> 3) 秋来 惹 得 21 5 7 7 6 5 5 6 7 7 6 5 6 - 【慢板】 4 (072 63272 676) $\underbrace{161232355.5321}_{}\underbrace{1(5321)}_{}\underbrace{32227}_{}\underbrace{622176}_{}\underbrace{5(6165)}_{}$ $\underbrace{3\,235\,6\dot{1}\dot{2}\dot{3}}_{}\,\underbrace{\dot{1}\,35\,6\dot{1}}_{}\,\underbrace{5\,3)\,2}_{}\,\underbrace{\dot{3}\,.\,5\,3\,27}_{}\,\underbrace{\dot{6}\,5\,(3)}_{}\,\underbrace{\dot{6}\,27\,6\,(37}_{}\,\underbrace{\dot{6}\,6\,.\,3\,27}_{})}_{}\,\Big|$ 6.2765(35)31123(3212353)55.5321053212352112 $\frac{535}{91235} \cdot \frac{01235}{11235} \cdot \frac{1}{11235} \cdot \frac{1}{112$ 321 12353227 6123761 5 (6165 3235 611232 13561 535) 悲冷 $20535 \ 132176 \ 5123 \ (12353) \ 3 \ 1 \ 51.532 \ 1232176 \ 65. \ (535)$ 寒 襟. 抚 到 62761 2312) [下西岐] 423 2 (35) 26 45 3 03 2 1 5.7 长 眷 念, 忆起晴雯已 婉 转 651 2 0 3 2 1.2 323 2 (6535) 2 3 5 2 6 1 2 [西皮] 4 逝作仙, 相思最苦哭声天, 偏教红粉负了冤。

Fig. 2.18 [6], p. 61

第一场 报 警

开幕 曲

Fig. 2.19 [15], p. 3

Fig. 2.20 [15], p. 163

Fig. 2.21 [17], p. 107

我的嫂子
$$1={}^{\sharp}F$$

$$(《苦菜花》冯大雄唱)$$

$$\frac{1}{2} \cdot 3 \cdot 4 - 6 - {}^{\$}5 -) \cdot 5 \cdot 6 \cdot 2 \cdot 1 - 7 \cdot 6 \cdot \frac{676}{2} \cdot \frac{2}{3} \cdot 5 - \frac{13}{2} \cdot \frac{7}{2} \cdot \frac{2}{3} \cdot \frac{32}{2} \cdot \frac{17}{p} \cdot 6 - (4 - 3 - 5 - 6 -) \cdot \frac{76}{2} \cdot \frac{56}{2} \cdot \frac{13}{2} \cdot \frac{7}{2} \cdot - \frac{1}{2} \cdot \frac{27}{2} \cdot \frac{23}{2} \cdot \frac{27}{2} \cdot \frac{6}{2} \cdot \frac{125}{2} \cdot$$

Fig. 2.22 [16], p. 11

士伬上,乙士乙士合士乙士合仮,合士,士,乙士合 不如歸, 工士六、反工六工尺乙、尺工尺工尺乙尺工士六、反工六工尺乙、尺工尺工尺乙, 平喉滾花唱腔著名唱段有《人生長恨水長東》,當中透過唱腔的抑揚頓挫,把陸游得悉唐琬已死的悲愴 不如 歸去。 尺。在 V 尺乙士·乙士合 在合·士乙。上。乙二上乙士乙上乙 士·乙士尺。在 V 尺)) 不如歸, 【花】乙反工反工尺尺乙士尺、尺工反 "尺·工尺工尺上尺工尺上士乙士合合 、上·尺工士乙士合士乙士合士、合 天六 工反工尺工反工尺乙尺,工反工反工尺工, 唉 叱叱,忍不住錐心 泣血乙·乙乙 尺工士工工反工尺工尺上 工反工尺乙上乙士乙上乙士合仁合士 你既 生 陸游 有傲 世才乙乙、尺乙士合、乙士、上合 問士上・尺工反工尺工 罷。(士)

87

Fig. 2.23 [18], p. 87

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4. Acknowledgement

Mr. Andrew West (魏安), Dr. Ken Lunde (小林劍), Mr. Freeking Chen (陈辉权), Mr. Liang Tianshan (梁天山), Mr. Lai Sing (黎星) and Dr. Haocun Yu (于皓存) discussed this issue with me.

Mr. Lai Sing provided some evidence photos. Other evidence photos were taken in the Guangzhou Library and the Culture and Art Publishing House by me.

Prof. Liu Zhao (刘钊) and her team designed the glyphs for the Jianzi encoding in Section 1.4. The glyph for the Sanban Sign is designed by me.

(End of Document)

Title: Feedback on IRGN2540 Sanban Sign for Chinese folk music and local operas

Author: Henry Chan Date: 2022-03-18

Status: Individual Contribution

Action: For consideration by IRG #58

I oppose encoding the Sanban sign as a CJK Unified Ideograph. The Sanban sign has a name, "散板符號", similar to the ideographic full stop "句號". It does not have a pronunciation. It is not a character. It is a sign used with a particular meaning.

It shouldn't be unified with U+5344 (\oplus). It should not be unified with U+30B5 Katakana Letter Sa (\forall) either as it is not a kana being used.

I support encoding it as a CJK symbol or musical symbol.

In the case of encoding it as a CJK symbol or musical symbol, I think two characters should be coded:

U+1D1EB CHINESE SANBAN SIGN ONE サ U+1D1EC CHINESE SANBAN SIGN TWO 散

JTC1/SC2/WG2/IRG Date: 2022-08-04 IRGN2540-HKSAR-Feedback

ISO/IEC JTC1/SC2/WG2/IRG

Ideographic Research Group

(IRG)

Source/Contribution Identifier:

Hong Kong Special Administrative Region of the People's Republic of China

IRG Meeting No. 59, Online Meeting

Title:

Feedback on IRGN2540 on Request to Discuss How to Handle the Sanban Sign for Chinese Folk Music and Local Operas

Status:

Member's feedback for consideration by IRG

Action:

For consideration by IRG

Feedback on IRGN2540 on Request to Discuss How to Handle the Sanban Sign for Chinese Folk Music and Local Operas

- 1. The Hong Kong Special Administrative Region (HKSAR) agrees to the proposal to encode the Sanban sign as a separate musical symbol based on the following reasons:
 - The Sanban sign is a symbol rather than a Han character;
 - The Sanban sign is used as a musical notation with its own meaning;
 - Unlike characters, the Sanban sign does not have a pronunciation; and
 - The Sanban sign cannot be found in any dictionary.
- 2. HKSAR has no objection to separately encode Sanban signs as complete set of musical symbols under a symbol notation system, separate from CJK characters.

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