ISO/IEC JTC1/SC2/WG2/IRGN2540

2022-02-15

	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.

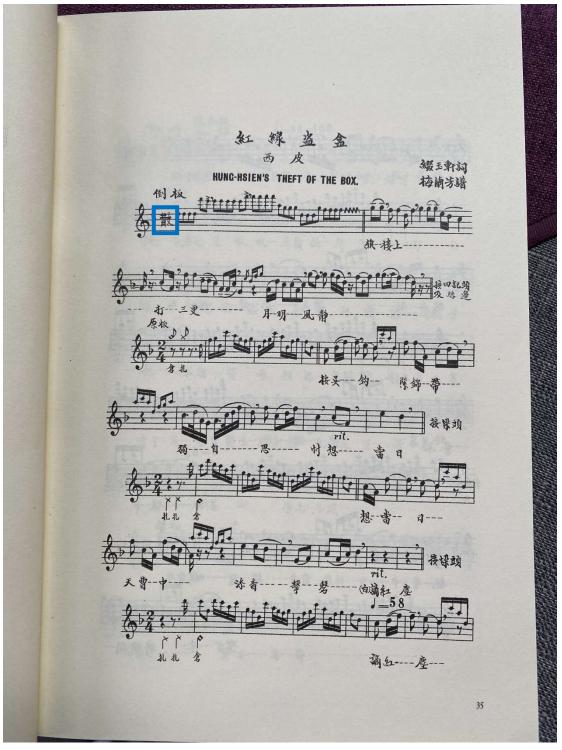


Fig. 0.2 Hung-hsien's Theft of the Box, the Peking Opera The video is <u>here</u>.

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.
サ	副十ノ	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 SAN	NBAN SIGN		
The UCD information in UnicodeData.txt is shown as below.				
1D1EB;CHI	NESE SANBAN S	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" (\pm). The individual letter form of the Jianzi fingering letter "散" (\pm) is similar to U+5344 (\pm) not U+8279 (\pm), and U+8279 (\pm) should be used for the part of "荡吟/蕩吟" (荐) and "荡猱/蕩猱" (萚) 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 (#), and Katakana Letter Sa (#) 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 (#), 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.

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Fig. 2.1 [11], p. 21

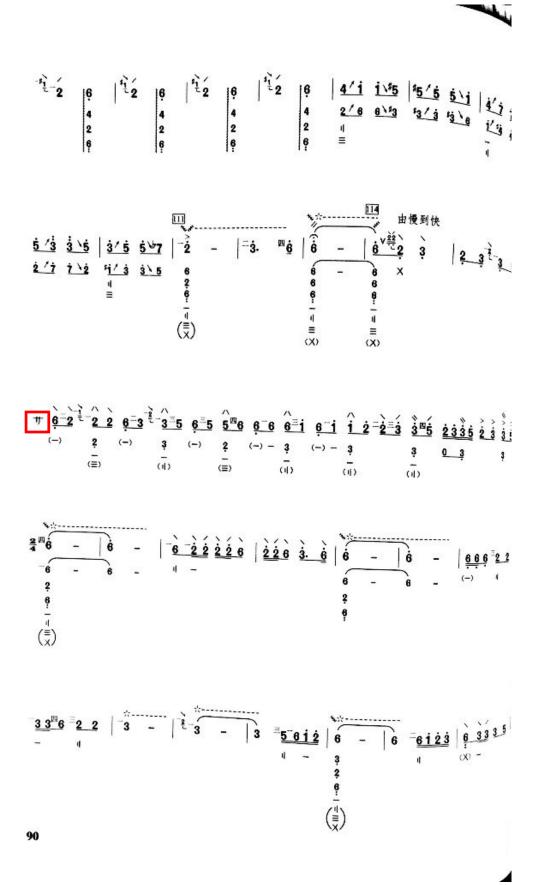
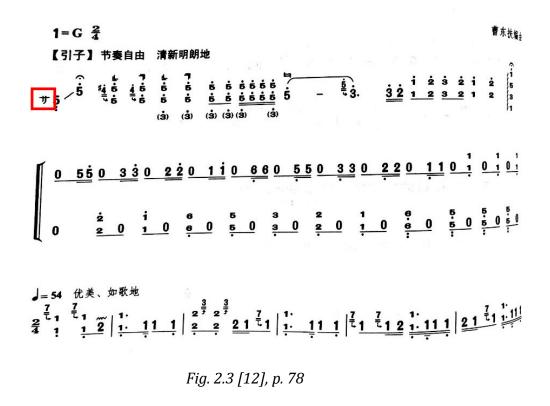


Fig. 2.2 [11], p. 90

28. 闹 元 宵



31. 幸福渠水到俺村

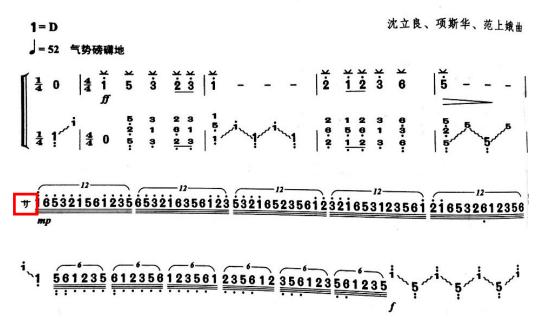
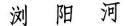


Fig. 2.4 [12], p. 94

梅花三弄

$$\begin{array}{c} 1 = D \begin{array}{c} \frac{3}{4} \frac{2}{4} \\ \hline \end{array} \\ \begin{array}{c} 1 = D \begin{array}{c} \frac{3}{4} \frac{2}{4} \\ \hline \end{array} \\ \hline \end{array} \\ \begin{array}{c} 1 \\ \frac{2}{1} \\ \frac{2}{1} \\ \frac{2}{1} \\ \frac{1}{1} \\ \frac{2}{2} \\ \frac{1}{1} \\ \frac{6}{2} \\ \frac{1}{2} \\ \frac{7}{1} \\$$

Fig. 2.5 [7], p. 64



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Fig. 2.6 [7], p. 102



Fig. 2.7 [5], p. 49

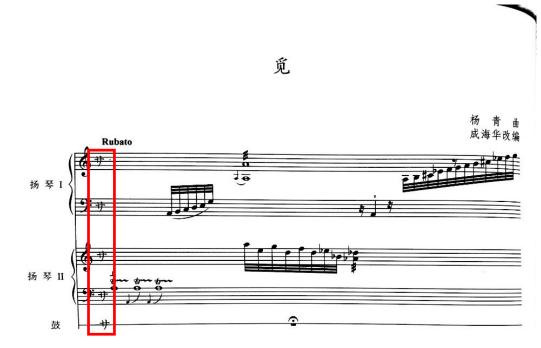


Fig. 2.8 [13], p. 50

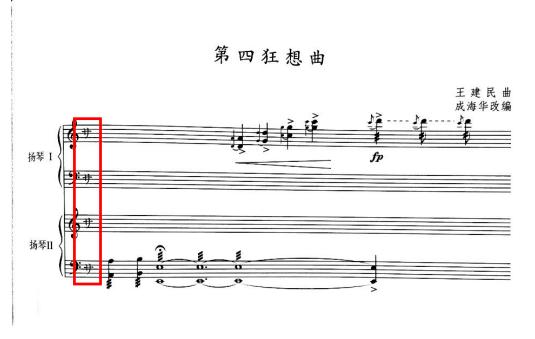


Fig. 2.9 [13], p. 67

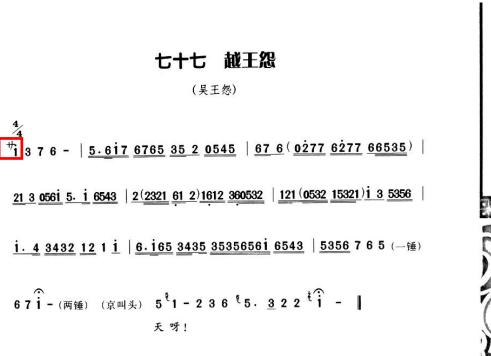


Fig. 2.10 [14], p. 41

Fig. 2.11 [14], p. 94

曲十六

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4 5. <u>i</u> 5. <u>32</u> <u>1. 2 325 2 3 7 6</u> <u>5 0 6. 5 4 5 6 4</u> <u>5. 3 235 5 4 3 2</u>) (申唱)我有 102 $\dot{\mathbf{6}}$ $\mathbf{6}$ $\mathbf{1}$ $\mathbf{2}$ - $\left| \underline{2} \cdot (\underline{3} \underline{2} \underline{2} \underline{0} \underline{5} \underline{3} \underline{2}) \right| \overline{4} 1 \frac{1}{6} \left| \underline{6}, \underline{3} \right| \underline{21} \underbrace{1}_{6} \left| \underline{1} \underbrace{6}_{5} \underline{3} \underline{2} \right|$ 离 家 门, 今 生 督 不见 张 氏。 Fig. 2.12 [9], p. 102

12

上写田伦顿首拜 《四进士》选段(一) 宋士杰唱【西皮】

周信芳 演唱

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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】 汪笑侬 _{演唱} 百代唱片 吴春礼 记谱 【西皮】"导板" <u>6 5 5 5 i i i 3 1 2</u>. サ 6 6 <u>3 21</u> <u>6</u> <u>2</u> <u>1</u> <u>1</u> <u>1</u> <u>1</u>) 5 € 3 3 ≞ 12. 2 **<u>2 2 121** (1 1 6 2 6 1)</u> 3 3 2 5 3. 闻 听 公 主 得 贤 <u>353</u> <u>21</u>. ^{v <u>35</u>/<u>3</u>.} - ³-2³-2 2 1 3. 212 31 2 3 34 -兵 下, 临 城 【西皮・慢板】

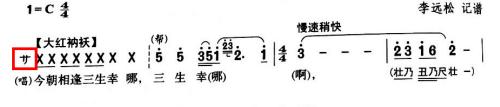
Fig. 2.14 [8], p. 154

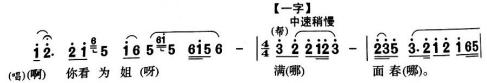
58. 今朝相逢三生幸

《王熙凤·诓尤》王熙凤 (旦) 唱段

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Fig. 2.15 [10], p. 286

62. 频频思来暗暗想

《凤仪亭》 貂蝉 (旦) 唱段

沈铁梅 演唱 刘枫记谱 $1 = B \frac{2}{4}$ 【红衲袄・二流】 6 <u>76</u> 5 6 <u>3 2312 3 53 2312</u> 2 2 1 6.535 166 Ψ. 频频 思 来(呀) 暗暗 想 (啊) (帮) $|\frac{2}{4}\frac{\dot{3}}{2}\dot{2}\dot{1}|\dot{3} - |\dot{2}\frac{\dot{3}\dot{2}}{16}|\dot{2}\dot{16}|\dot{5} - |0 \frac{56\dot{1}}{56\dot{1}}|\dot{3}\dot{2}\dot{2}\dot{1}|$ 35 235 5 (喝)未 (课 <u>打打</u>课 课乃 <u>壮次乃打</u>壮打) 知 暗暗 想 $\underbrace{60 \, \underline{53}}_{60} | \underline{2} \, \underline{35}_{21} |^{\underline{8}}_{-} \underline{5}_{-} | \underline{50} \, \underline{6153}_{-} |^{\underline{2}}_{-} \underline{7656}_{-} \underline{6} | \underline{62} \, \underline{76}_{-} \underline{60} \, \underline{3523}_{-} |$ 656 近来 吕布 无影响, 内外 肠。 愁(啊) 解 何日 <u>60 3. 2 17 65 6 6 2 2. 1</u>6 6<u>156 1653 2 3 2316</u> 165 6 忙。莫非 他 惧怕 老贼 把妻 作 我 隔 绝

Fig. 2.16 [10], p. 307

芒萝访艳 ^{###} 振曲 陈小汉 曾 郑语

1=C + (<u>1.7 6156 1.3 235 6165 35234</u> 3 -) 【旦诗白】红颜花貌病恹恹,父母双亡暗自怜,未解浣纱人薄命,清流尤自映 ⊭娟! 【锦城春】1=G 4/4 (<u>6 i</u> <u>5 3 5 6</u> i -) i 1 i 1(6535) 235 6165 35234 353 027 65.3 【旦唱】 凄然,凄然, 人羡我西施 貌似桃 李艳, 身世寒微 遭 <u>i 76 i 565 027 6i5 656i 5356 i.7 6i65 6i653235</u> 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 6561 2(3532) 727276 5135 年。 成边守疆英勇为 国 邦, 女子有 志亦 难 如 愿。 春归去,花凋谢,罡风恶,新枝嫩,飞花片片舞散风 1 2 1 【滚花】1=C + (65 361 5.6 43 2345 35 5 1 -) 6 5 3 27 6 1.2 3 2 (6 5 3 6 1 3 2) 7 7 6 5 3 5 (7 7 6 5 3 5) 午夜梦 回 日来于江 畔浣 纱, 4 3. <u>4 32</u> 7 6 1 - (3 5 2 <u>35</u> 1 -) 6 7 7 2 <u>76</u> <u>56</u> 7 [€]6 - (一捶) 悲 世乱。 越女也知 亡 国 恨. $1 \ 5 \ \underline{27} \ 6 \ 6 \ 2 \ \underline{327} \ 6 \ 1 \ 5 \cdot \underline{7} \ \underline{67} \ \underline{64} \ 3 \ - \ 5 \ - \ (\ \underline{35} \ 2 \cdot \underline{312} \ \underline{76} \ 5 \ -)$ 国仇家 恨恨 绵。

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Fig. 2.17 [6], p. 1

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秋江冷艳 小明星唱 秋来惹得 21 5 7 7 6 5 5.6 7 7 6 5 6 - 【慢板】 4 (072 63272 67 6) 痴 魂断。 <u>161232355.5321 (5321) 322276221765 (6165</u> 怯 西 风, 罗衣 <u>3235 6123 13561 53) 2 7</u> 3.5327 65 (3) 6276 (37 66.327) 怅望疏 淡月. $\underbrace{6.276}_{5} \underbrace{5}_{(35)} \underbrace{3112}_{3} \underbrace{3}_{(3212)} \underbrace{353}_{55.532} \underbrace{10532}_{10532} \underbrace{12352112}_{12352112}$ 色 535 01235 1 (1235 1321) 1 1612 323 31.532 1 (5321)然。 我听 秋 砧. <u>321 12353227 6123761 5 (6165 3235 611232 13561 535)</u> 落. 悲冷 惊觉啼 寒襟. 抚 到 <u>1235327</u> 6765) <u>21.532</u> 105 <u>321761</u> <u>2 (6535 2343272</u> 点。 点 62761 2312) 【下西岐】 423 2 (35) 26 45 3032 1 5.7 长 眷 念, 忆起晴雯已 婉转 651 2032 1.2 323 2 (6535) 2352 612 [西皮] 4 逝作仙,相思最苦哭声天, 偏教红粉负了冤。 61

Fig. 2.18 [6], p. 61

第一场 报 警

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Fig. 2.19 [15], p. 3

梅兰芳(生死恨)曲谱演出本

$$\frac{1}{4}(6 | 6 | 5 | 55 | 36 | 55 | 32 | 12 | 65 | 55)|$$

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(第五球唱)可恨老贼心肠 狠,
$$\frac{35|65|32|12|6^{2}5|55}{7} = \frac{1}{7} = \frac{1}{4}(55) = \frac{1}{7} = \frac{1}{7}$$

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Fig. 2.20 [15], p. 163

Fig. 2.21 [17], p. 107

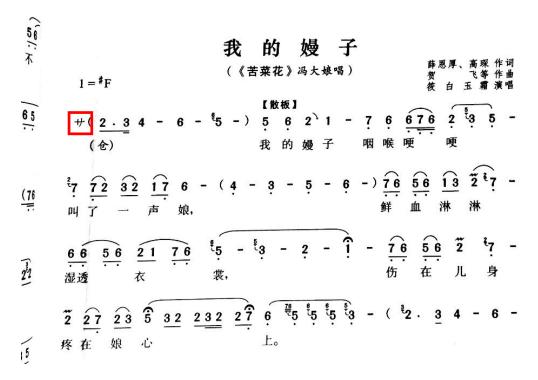


Fig. 2.22 [16], p. 11

心情表露無遺。 日: 生:【沉花下句】 士沢上・乙士乙士合士乙士合仮・合士、士・乙士合 不如歸, 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, 杜鹃 頻向 耳 邊 "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 蒼 ¥ 唉 吔吔,忍不住錐心 泣血 乙·乙乙 尺工士工工反工尺工尺上 穹。雪(合) 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 問し、尺工反工尺工 罷。(士) 世才, 啼 87

Fig. 2.23 [18], p. 87

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