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Ideographic Rapporteur Group

(IRG)

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Meeting:	IRG Meeting No. 49 in San Jose, USA
Title:	HKSAR's Request for Horizontal Extension and Update of Glyphs
Status:	Member Submission

HKSAR's Request for Horizontal Extension and Update of Glyphs

Background

1. Since 1999, the Hong Kong Supplementary Character Set (HKSCS) has been established to facilitate electronic communication and data exchange conducted in Chinese between the public and the HKSAR Government and within the community.
2. The Hong Kong Supplementary Character Set-2008 (HKSCS-2008) published in December 2009 has 4 579 ideographs and 430 symbols. For the publication of the ISO/IEC 10646:2011, the HKSCS-2008 was consulted as one of the source references (H-source) for ideographs, and the glyphs of these 4 579 ideographs were included in the H-column.

Publication of HKSCS-2016

3. The HKSAR Government published the HKSCS-2016 in May 2017. This latest version of the HKSCS consists of 5 033 characters, of which 23 Chinese characters and one symbol are newly added. All the glyphs of the Chinese characters have been aligned with those in the Reference Glyphs for Chinese Computer Systems in Hong Kong newly published by the HKSAR Government.

Request to Include by Horizontal Extension New HKSCS Characters

4. The 23 Chinese characters newly added to the HKSCS-2016 are already

included in the ISO/IEC 10646 standard. The HKSAR requested the inclusion of these 23 ideographs by horizontal extension in the H-column of the ISO/IEC 10646 standard. The information required for the addition is provided in Table 1 (S/N 1-23) of this document.

Re-mapping of the Character “夔” (H-8FA8)

5. It is also requested that the HKSCS character “夔”(H-8FA8) be mapped with the CJK Unified Ideographs Extension B code point 270F0, instead of the CJK Compatibility Ideographs Supplement code point 2F9B2, where only H-8FA8 is assigned to. The information required for this relocation is also included in Table 1 (S/N 24).

Request to Update HKSCS Glyphs

6. In line with the Reference Glyphs for Chinese Computer Systems in Hong Kong lately published by the HKSAR Government, the style of many glyphs of the HKSCS-2016 is aligned. As such, we request that the HKSCS glyphs be updated in the light of the HKSCS-2016. The comparison of all the 4 579 HKSCS-2008 glyphs with those in the HKSCS-2016 is shown in Table 2. For ease of reference, changes are illustrated in Annexes I to VII.

Table 1: The 24 ideographs to be added to ISO/IEC 10646 by horizontal extension

S/N	UCS Code	Glyph(s) of existing UCS CJK Unified Ideograph	H-Glyph	New Source Reference	Evidence #
1	U+5151	5151 儿 10.5 兑 G0-3652 兑 T3-2451 兑 V1-4C40	兑	HD-5151	
2	U+60A6	60A6 心 61.7 悦 G0-5443 悦 T3-3123 悦 J0-3159	悦	HD-60A6	
3	U+635D	635D 手 64.7 挽 G3-4A44 挽 T3-3136	挽	HD-635D	
4	U+655A	655A 攴 66.7 攸 G5-493D 攸 T3-3634	攸	HD-655A	
5	U+68C1	68C1 木 75.7 税 G3-4163 税 T3-3656	税	HD-68C1	
6	U+6D9A	6D9A 水 85.7 洩 G3-5444 洩 T3-317B	洩	HD-6D9A	
7	U+7A0E	7A0E 禾 115.7 税 G0-4B30 税 T3-3D68 税 J0-4047 税 V1-613E	税	HD-7A0E	
8	U+8131	8131 肉 130.7 脱 G0-4D51 脱 T3-3845 脱 J0-4326 脱 K2-5552 脱 V1-6421	脱	HD-8131	
9	U+8715	8715 虫 142.7 蛻 G0-4D49 蛻 T3-4446	蛻	HD-8715	
10	U+8AAC	8AAC 言 149.7 説 G1-4B35 説 T3-4966 説 J0-4062 説 V1-673B	説	HD-8AAC	

S/N	UCS Code	Glyph(s) of existing UCS CJK Unified Ideograph	H-Glyph	New Source Reference	Evidence #
22	U+543F	543F 𠄎 30.4 GE-243B 告 T3-2521 告 V1-4E5F	告	HD-543F	
23	U+9C47	9C47 𩺰 195.11 G3-7865 𩺰 TF-6A3E 𩺰 J0-7261 𩺰 K0-4B3E	𩺰	HD-9C47	
24	U+270F0	270F0 𪛗 140.17 UCS2003 𪛗 GKX-1070.32 𪛗 T7-5876	𪛗	H-8FA8	

All these glyphs are included in the Hong Kong Supplementary Character Set – 2016. Since the publication of its first version in 1999, the HKSCS has been established to facilitate electronic communication and data exchange conducted in Chinese between the public and the HKSAR Government and within the community.

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