

Universal Multiple-Octet Coded Character Set
UCS

ISO/IEC JTC1/SC2/WG2 IRG N2592

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1. Development of GB 18030-2022/Amd 1 *Information technology -- Chinese coded character set--Amendment 1*

Compared with GB 18030-2022 *Information technology -- Chinese coded character set*, the exposure draft of GB 18030-2022/Amd 1 has made the following main modifications:

1) Adding CJK Unified Ideographs from ISO/IEC 10646:2020 and its Amendment 1

The draft GB 18030-2022/Amd 1 added 16 characters in the CJK Unified Ideographs block (9FF0~9FFF), 10 characters in the CJK Unified Ideographs Extension A block (4DB6~4DBF), 9 characters in the CJK Unified Ideographs Extension B block (2A6D7~2A6DF), 5 characters in the CJK Unified Ideographs Extension C block (2B735~2B739), 4939 characters in the CJK Unified Ideographs Extension G block, and 4192 characters in the CJK Unified Ideographs Extension H block.

2) Adding “Supplementary Characters of Public Security Population Information Special Font (公安人口信息专用字库补充汉字)”

The “Public Security Population Information Special Font(公安人口信息专用字库)” is a font customized by the Ministry of Public Security of China for the registration of resident identity cards. Some characters in the font have not been encoded in GB 18030-2022 or ISO/IEC 10646 yet, thus only had PUA code points.

In consideration of growing need of real-name certification in China and great disadvantage of PUA code points in cross-system information exchange, the draft GB 18030-2022/Amd 1 encoded these PUA characters and assign them to permanent code points.

From 2022-11-18 to 2023-02-18, the draft GB 18030-2022/Amd 1 has been opened for comment for 3 months and received feedbacks from relevant institutions and individual experts, including the United States National Body (via ISO/IEC JTC1/SC2/WG2 IRG) .

China highly appreciate all feedbacks, and has taken them into consideration. In response to USNB's feedback, China carefully examined the code chart of "Supplementary Characters of Public Security Population Information Special Font (公安人口信息专用字库补充汉字)", removing all characters which is already encoded, in pipeline of encoding or unifiable to existing characters in ISO/IEC 10646, and finally kept 615 characters in the new draft. Also, China is considering the USNB's proposal of not mapping the "Supplementary Characters of Public Security Population Information Special Font" into Plane 10.

The new draft of GB 18030-2022/Amd 1 will be opened for comment again soon, and the final GB 18030-2022/Amd 1 is planned to be released in this year.

2. Development of supporting standards for GB 18030-2022

The dot matrix font national standards are being revised to match the requirement of GB 18030-2022. And two new national standard *Information Technology-Chinese information processing requirements and test methods for software product* (信息技术 软件产品中文信息处理要求及测试方法) and *Information technology—Requirements for processing rarely used Chinese characters* (信息技术 生僻字处理指南) are under development as supporting documents of GB 18030-2022.

END.