

ISO/IEC JTC1/SC2/WG2/IRG**Ideographic Research Group (IRG)**

Source:	Macao Special Administrative Region of the People's Republic of China
Meeting:	IRG Meeting No. 62, Online Meeting
Title:	Activity Report of the Macao Special Administrative Region
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1. Following IRG#61, the Macao Supplementary Character Set (MSCS) remains unchanged with no new additions. The current MSCS consists of 443 characters, comprising of 427 Chinese characters and 16 symbols. These characters are either encoded in Unicode Version 15.0 or registered as variants in the 2020-11-06 version of the Ideographic Variation Database (IVD).
2. The Unification Framework of Chinese Characters Encoding for the Information Systems of Macao SAR (hereinafter referred to as the “Framework”) was released in March 2021 to public departments in Macao SAR. Based on the Unicode standard and MSCS, this framework serves as the standard for data exchange encoding among the departments. IRG members are encouraged to visit the Macao SAR Government (MSARG) website (<https://g2e.gov.mo/zh-hant/content/chncode-extdoc/>) for more detailed information about the framework. MSARG revised the Cangjie

input code for two characters in June 2023, and updated the character table in the website.

3. MSARG is actively promoting the adoption of the “Macao One Account (一戶通)” mobile app and website (<https://www.mo.gov.mo>) to enhance public electronic services. As a result, it is crucial for major mobile and computer system vendors to support MSCS characters.
4. MSARG has been maintaining communication with major system vendors such as Apple, Google, Microsoft, Alibaba and Huawei, to support MSCS characters in fonts and input methods. Recently, we have got positive progress as follows:

	Systems	Fonts	Input Methods (Cangjie)
1.	iOS	Supported (except 3 IVS characters are displayed in the same glyphs as their base characters)	In progress
2.	Android	In progress	Supported (except 3 IVS characters unavailable)
3.	Windows	Supported (two individual fonts need to be merged for improved user access)	In progress
4.	Alibaba Cloud	In progress (expect to support in 2024)	
5.	HarmonyOS Next	In progress	

MSARG will continue to follow up with the vendors, and we expect that MSCS characters will be available for use in major systems soon.

5. MSARG will continue to support the ISO/IEC 10646 standard, IRG and Unicode Consortium. Any queries about the Framework and MSCS, please contact our consultant team at chncode.sec@safp.gov.mo. We greatly appreciate the support from IRG members and the Unicode Consortium.

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