

# Universal Multiple-Octet Coded Character Set

## UCS

ISO/IEC JTC1/SC2/WG2 IRGN 2437

Date: 2020-08-08

Source:	IRG Convenor
Title:	<b>Submission of 5 Macao SARG UNC Characters and One TCA UNC character</b>
Meeting:	WG2 (by circulation)
Status:	Member's submission
Actions required:	To be considered by WG2
Distribution:	WG2 Experts
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Appendixes:	4

This is a UNC character submission from IRG including 5 characters with five sources from MSAR government with reference to IRGN2430R and one source from TCA with reference to IRGN2435R. The two submissions were reviewed by IRG and approved by circulation due to COVID-19.

The request (IRGN2430) originally came from Macao Special Administrative Region Government (MSARG) in as it is in the process of establishing Macao SAR Information Systems Chinese Character Encoding Scheme (hereinafter referred to as the "Scheme"). The Scheme sets up the exchange framework to define characters used in Macao for information processing and exchange. To address the issue of Macao specific characters, the Scheme includes a Macao Supplementary Character Set, abbreviated as MSCS. MSARG is planning to publish the Scheme as well as MSCS in 2020 and named the first version of MSCS as MSCS-2020. MSCS-2020 will be used as the information exchange encoding standard among all departments of MSARG first and made publically available for Macao use. To be aligned with ISO/IEC 10646 for computer processing, MSCS originally requested IRG/WG2 for vertical extension of 6 characters as UNC submission. The checking of these characters has included all published versions of ISO/IEC 10646 including Extension G (Unicode 13.0 Code Chart) as well as IRG Working Set 2017 v5.0 (IRGN2423). 2 characters are found as UTC submission in IRG Working Set 2017(See details in the table later).

During the first IRG review of MSARG submission by circulation, TCA also found a source for one of the characters and thus submitted the UNC submission (IRGN2435). The IRG reviewed both IRGN2430 and IRGN2435 and concluded that only 5 characters from MSARG should be included as UNC submissions. UTC sources should be included if these characters are accepted and withdrawn from IRG Working Set 2017. Based on IRG review, MSARG and TCA have both revised their proposal to produce IRGN2430R and IRGN2435R respectively and approved by IRG. Below is the information on the five characters.

SN	Source Reference	PUA	Macao's Glyph	Remarks
1	MC-00134	U+EEB8	𨮗	
2	MC-00136 TC-662B	U+EEBA	𨮘	𨮘 This is TCA glyph
3	MC-00137 UTC-02993	U+EEBB	𨮙	Included in IRG WS 2017 v5.0 (IRGN2423): SN 02004 (GDM-00085, UTC-02993) 𨮙 This is UTC glyph
4	MC-00138	U+EEBC	𨮚	
5	MC-00139 UTC-03009	U+EEBD	𨮛	Included in IRG WS 2017 v5.0 (IRGN2423): SN 00746 (GDM-00031, UTC-03009) 𨮛 This is UTC glyph

Appendix One is MSARG submission which included introduction to MSCS-2020 and other information including horizontal extension and IVD registration. Its appendix B is on UNC evidence and attributes.

Appendix Two is TCA submission IRGN2435R with evidence and attributes.

Note that since UTC characters were included in IRG WS 2017, evidences were already reviewed by IRG during its submission. Thus, the attributes and fonts will be submitted by UTC separately if this is approved.

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