

**RADIO SPECTRUM AND TECHNICAL STANDARDS
ADVISORY COMMITTEE**

**Proposed Revision to HKCA 1007 Performance Specification
for the Limits and Methods of Measurement of Electromagnetic
Disturbance Characteristics of Industrial, Scientific and Medical (ISM)
Radio-Frequency Equipment**

Purpose

This paper proposes the adoption of the following revised HKCA specification:

HKCA 1007 Issue 6	Conformance Specification for Industrial, Scientific and Medical (ISM) Equipment
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Background

2. The Industrial, Scientific and Medical (“ISM”) Electronic Machine Licence (“ISMEM Licence”)¹ is required for a person to possess and use an ISM equipment in Hong Kong that intentionally generates and emits radio waves for industrial, scientific and medical purposes. Such ISM equipment shall be certified for type approval against the specification HKCA 1007.

3. HKCA 1007 Issue 5² makes reference to CISPR 11 “Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement” published by the International Special Committee on Radio Interference (“CISPR”) of the International Electrotechnical Commission (“IEC”), for the technical and evaluation requirements of ISM equipment.

4. The title and scope of HKCA 1007 are generally aligned with CISPR 11, except that the application of HKCA 1007 is limited to equipment

¹ The ISMEM Licence is available at:
<https://www.coms-auth.hk/en/licensing/telecommunications/other/index.html>

² HKCA 1007 Issue 5 is available at:
https://www.ofca.gov.hk/filemanager/ofca/en/content_401/hkta1007.pdf

operating in the frequency bands designated for ISM use in Hong Kong. This leads to some types of medical ISM equipment, which fall into the scope of CISPR 11 and are required to be licensed under the ISMEM Licence for sale, possession and use in Hong Kong, could not be covered by HKCA 1007 and appropriately licensed. On the other hand, some types of ISM equipment, in particular those for domestic purposes such as wireless chargers, which are not covered by the ISMEM Licence, fall into the scope of HKCA 1007 and are required to be certificated under the Compulsory Certification Scheme.

Proposed Revision to Specification HKCA 1007

5. In view of the above considerations, it is proposed that HKCA 1007 be revised, and the salient points of the proposed revision are given below –

- (a) the title is simplified to “Conformance Specification for Industrial, Scientific and Medical (ISM) Equipment”;
- (b) the restriction on the operating frequencies to be within the frequency bands designated for ISM use in Hong Kong is lifted; and
- (c) the scope is aligned with that of the ISMEM Licence, which is limited to ISM equipment that intentionally generates and emits radio waves for industrial, scientific and medical purposes.

The proposed revised specification HKCA 1007 is given at **Annex**.

Certification Requirement

6. Equipment falling into the scope of HKCA 1007 is classified under the Compulsory Certification Scheme of the Hong Kong Telecommunications Equipment Evaluation and Certification Scheme. Such equipment must be certified before it can be used in Hong Kong.

World Trade Organization (“WTO”) Notification

7. As the proposed revised specification HKCA 1007 is based on open standard, notification to the WTO is not required.

Recommendation

8. It is recommended that the proposed revised specification HKCA 1007 be submitted to the Communications Authority for adoption.

Advice Sought

9. Members are invited to provide comments on the recommendation above.

Office of the Communications Authority
July 2026