

RADIO SPECTRUM AND TECHNICAL STANDARDS ADVISORY COMMITTEE

**Proposed Performance Specification for
Digital Multipoint Radio Equipment
Operating in the 2.3 GHz Band**

Purpose

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

HKCA 1076 Issue 1	Performance Specification for Digital Multipoint Radio Equipment Operating in the 2.3 GHz Band
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Background

2. In February 2012, 21 ViaNet Group Limited (“21 Vianet”) successfully bid for 30 MHz of unpaired spectrum in 2300 – 2390 MHz (“the 2.3 GHz band”) and was subsequently granted a Unified Carrier Licence (“UCL”) for the provision of local fixed telecommunications services using broadband wireless access technology.

3. In August 2015, the Communication Authority (“CA”) approved 21 Vianet’s proposed amendments to the network and service rollout requirement under its UCL in order to enable it to implement its plan to provide service targeting village houses in the rural and remote areas¹. To facilitate the service rollout by 21 Vianet, a new HKCA specification would be developed for digital multipoint radio equipment operating in the 2.3 GHz band.

¹ Relevant press release is published at:
http://www.coms-auth.hk/en/media_focus/press_releases/index_id_1044.html

Proposed HKCA 1076 Specification

4. The European Telecommunications Standards Institute (“ETSI”) has published a harmonized standard EN 302 326-2 standard, entitled “Fixed Radio Systems; Multipoint Equipment and Antennas; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive for Digital Multipoint Radio Equipment”. Having considered the technical requirements and the test procedures, it is recommended that EN 302 326-2 standard be adopted in the proposed HKCA 1076 specification for certification of digital multipoint radio equipment operating in the 2.3 GHz band. Copy of the draft HKCA 1076 specification is given in Annex.

Certification Requirement

5. In line with the arrangement of other radio stations used in public telecommunications services, it is proposed that digital multipoint radio equipment be classified under the Compulsory Certification Scheme of the Hong Kong Telecommunications Equipment Evaluation and Certification Scheme. Such radio equipment must be type approved against HKCA 1076 before they can be used in Hong Kong.

WTO Notification

6. As the proposed HKCA 1076 is based on open standard, notification to the World Trade Organisation (“WTO”) is not required.

Recommendation

7. It is recommended that the proposed HKCA 1076 as given in Annex be submitted to the CA for adoption.

Advice Sought

8. Members are invited to give their comments on the

recommendation above.

Office of the Communications Authority
June 2016