

**PERFORMANCE SPECIFICATION
FOR VHF RADIO EQUIPMENT AS COAST STATIONS
FOR GLOBAL MARITIME DISTRESS
AND SAFETY SYSTEM (GMDSS)**

FOREWORD

1. This specification is prescribed under section 32D of the Telecommunications Ordinance (Cap 106) (“the Ordinance”) to set out the minimum performance requirements for VHF radio equipment as coast stations for Global Maritime Distress and Safety System (GMDSS). Radiocommunications apparatus falling into the scope of this specification, unless covered by other specification with more specific scope, shall meet the stipulated requirements.
2. Under the Ordinance, the possession or use of any radiocommunications apparatus or any apparatus emitting radio frequency energy must be covered by an appropriate licence issued by the Communications Authority (CA) with the exception of those specifically exempted from licensing under the Ordinance, such as those covered by the Telecommunications (Telecommunications Apparatus) (Exemption from Licensing) Order.
3. At present, the Office of the Communications Authority (OFCA) operates a Hong Kong Telecommunications Equipment Evaluation and Certification (HKTEC) Scheme. Details of the HKTEC Scheme can be found in the information note OFCA I 421. Under the Scheme, suppliers or manufacturers of the radiocommunications apparatus shall apply for certification of their apparatus against this specification. The application procedures for certification of radiocommunications apparatus can be found in the information note OFCA I 401.
4. The CA may amend any part of this specification as and when it deems necessary.
5. In case of doubt about the interpretation of this specification, the methods of carrying out the test and the validity of statements made by the equipment manufacturers or suppliers about the equipment, the decision of the CA shall be final.
6. The HKCA specifications and information notes issued by the CA can be downloaded from OFCA’s website at <http://www.ofca.gov.hk>. Enquiries about this specification may be directed to –

Senior Telecommunications Engineer
Standards Section
Office of the Communications Authority
29/F Wu Chung House,
213 Queen’s Road East,
Wanchai, Hong Kong.

Fax : +852 2838 5004
Email: standards@ofca.gov.hk

AMENDMENT TABLE

Item	Issue No.	Paragraph	Description
1.	Issue 1 June 2014	All	First Release

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1. SCOPE

This specification sets out the minimum performance requirements for VHF radio equipment as coast stations for GMDSS (hereafter referred to as “the equipment”).

2. OPERATING FREQUENCIES

The operating frequency range for the equipment is from 156 MHz to 163 MHz with channel spacing of 12.5 kHz or 25 kHz.

3. TECHNICAL REQUIREMENTS

The equipment shall meet the technical requirements as specified in the ETSI EN 301 929-1 “Electromagnetic compatibility and Radio spectrum Matters (ERM); VHF transmitters and receivers as Coast Stations for GMDSS and other applications in the maritime mobile service; Part 1: Technical characteristics and methods of measurement” published by the European Telecommunications Standards Institute (ETSI).

4. EVALUATION REQUIREMENTS

The equipment shall comply with the operating frequencies and technical requirements prescribed in paragraph 2 and 3 respectively. The equipment shall be evaluated in accordance with the requirements as specified in ETSI EN 301 929-2 “Electromagnetic compatibility and Radio spectrum Matters (ERM); VHF transmitters and receivers as Coast Stations for GMDSS and other applications in the maritime mobile service; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive” published by ETSI.

5. REFERENCE

- (a) ETSI EN 301 929-1 “Electromagnetic compatibility and Radio spectrum Matters (ERM); VHF transmitters and receivers as Coast Stations for GMDSS and other applications in the maritime mobile service; Part 1: Technical characteristics and methods of measurement” published by the ETSI.
- (b) ETSI EN 301 929-2 “Electromagnetic compatibility and Radio spectrum Matters (ERM); VHF transmitters and receivers as Coast Stations for GMDSS and other applications in the maritime mobile service; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive” published by the ETSI.

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