



**UK Radio Interface requirement 2032
for transmission of differential correction
signals of Global Navigation Satellite Systems
(DGNSS) from Maritime Radio stations in the
Frequency Bands 162.4375-162.4625 and
163.0125-163.03125 MHz**

(Version 1.0)

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1. Foreword

- 1.1 The Radio Equipment and Telecommunications Terminal Equipment Directive 99/5/EC (R&TTE Directive) was implemented in the United Kingdom (UK) on the 8 April 2000 by The Radio Equipment and Telecommunications Terminal Equipment Regulations 2000, Statutory Instrument 2000 No. 730. In accordance with Articles 4.1 and 7.2 of Directive 1999/5/EC, this UK Radio Interface Requirement contains the requirements for the licensing and use of coastal radio stations transmitting DGNSS signals in the Frequency Bands 162.4375-162.4625 and 163.0125-163.03125 MHz.
- 1.2 Nothing in this UK Radio Interface Requirement shall preclude the need for equipment to comply with Directive 1999/5/EC.
- 1.3 It is required by the Wireless Telegraphy Act 1949 that no radio equipment is installed or used in the UK except under the authority of a licence granted by or otherwise exempted by regulations made by the Secretary of State. It is a condition of such a licence or exemption regulations as appropriate that the equipment must meet the minimum requirements specified in this UK Radio Interface Requirement for the stated equipment types and for the stated frequency bands.
- 1.4 The requirements given in the main body of this UK Radio Interface Requirement will apply to the licensing of coastal radio stations transmitting DGNSS signals in the Frequency Bands 162.4375-162.4625 and 163.0125-163.03125 MHz.
- 1.5 This UK Radio Interface Requirement will be revised as necessary, for example to follow:
 - i) current technology developments for reasons related to the effective and appropriate use of the spectrum in particular maximising spectrum utilisation; and
 - ii) changes to the available spectrum allocated for coastal radio stations transmitting DGNSS signals in the Frequency Bands 162.4375-162.4625 and 163.0125-163.03125 MHz.
- 1.6 All UK Radio Interface Requirements notified under Directive 98/34/EC will be published and will be made available free of charge from the RA Information and Library Service and/or the RA web-site. The addresses for both the Library and the web-site are given on the back cover of this document.
- 1.7 Further information on this UK Radio Interface Requirement can be obtained from the technical enquiry contact given on the back of this document

2. Minimum Equipment Requirements for Operation within the UK

- 2.1 The minimum radio requirements in this document are made for reasons related to the effective and appropriate use of the radio spectrum, in particular maximising spectrum utilisation.
- 2.2 This UK Radio Interface Requirement gives a high level description of how the spectrum in the UK is used for coastal radio stations transmitting DGNSS signals in the Frequency Bands 162.4375-162.4625 and 163.0125-163.03125 MHz. It does not prescribe a technical interpretation of the ‘essential requirements’ of Directive 1999/5/EC.
- 2.3 This UK Radio Interface Requirement therefore stipulates the necessary equipment parameters for the licensing of coastal radio stations transmitting DGNSS signals in the Frequency Bands 162.4375-162.4625 and 163.0125-163.03125 MHz. Table 2.1 contains the relevant equipment parameters. These together with the ‘essential requirement’ detailed in Article 3.2 of the Directive 1999/5/EC constitute the minimum equipment requirements for coastal radio stations transmitting DGNSS signals in the Frequency Bands 162.4375-162.4625 and 163.0125-163.03125 MHz. within the UK.
- 2.4 Licensing is subject to availability of frequencies, and additionally, successful frequency co-ordination. Maximum powers will be allocated on a site by site basis but shall not exceed the maximum shown in table 2.1.
- 2.5 The technical parameters specified in the UK Radio Interface Requirement are applied to achieve the desired level of compatibility within coastal radio stations transmitting DGNSS signals in the Frequency Bands 162.4375-162.4625 and 163.0125-163.03125 MHz. and with other radiocommunications services whilst promoting enterprise, innovation and competition.
- 2.6 This UK Radio Interface Requirement provides the necessary technical information which facilitates access to coastal radio stations transmitting DGNSS signals in the Frequency Bands 162.4375-162.4625 and 163.0125-163.03125 MHz. spectrum by making clear the assumptions that are made in planning the use of the coastal radio stations transmitting DGNSS signals in the Frequency Bands 162.4375-162.4625 and 163.0125-163.03125 MHz. spectrum in the UK. It is not the intention of this UK Radio Interface Requirement to duplicate or impose any additional ‘essential requirements’ of the Directive 1999/5/EC on products. Any specified parameters within this document are for the purpose of identifying product options and not as a national product requirement.

Table 2.1: Minimum Equipment Requirements

Frequency range	Licence Class & Radio Service	Additional requirements
162.4375-162.4625 MHz* 163.0125-163.03125 MHz. *Reserved for self managed spectrum organisations	Maritime Navigational Aids and Radar Licence. Maritime Mobile Service	

Maximum carrier power	Bandwidth Maximum	Modulation	Additional requirements
This shall be decided on a site by site basis but shall not exceed 25W.	12.5 kHz*	F1D,G1D	

* It is intended that in the future the maximum bandwidth will be limited to 5/ 6.25 kHz.

Document history

Draft	Date	Changes

Radiocommunications Agency

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