

UK Interface Requirement 2035

**For Maritime UHF on-board communications systems
and equipment**

Publication date: June 2005
Date Amended: January 2018
2015/1535/EU Notification number: 2003/328/UK

Contents

Section	Page
1 References	3
2 Foreword	4
3 Minimum equipment requirements for operation within the UK	5
4 Additional performance parameters (informative)	7
5 Contact details	8
6 Document history	9

Section 1

References

- 1.1 Recommendation ITU-R M1174 - Technical characteristics of equipment used for on-board vessel communications in the band between 450 MHz and 470 MHz.

Section 2

Foreword

- 2.1 The Radio Equipment Directive (Directive 2014/53/EU) was implemented in the United Kingdom (UK) by the Radio Equipment Regulations 2017. In accordance with Articles 8 and 7 of Directive 2014/53/EU, this UK Interface Requirement contains the requirements for the licensing and use of maritime UHF on-board communications systems and equipment in the specified frequency bands.
- 2.2 Nothing in this UK Radio Interface Requirement shall preclude the need for equipment to comply with Directive 2014/53/EU.
- 2.3 It is required by the Wireless Telegraphy Act 2006 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 Ofcom. 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 Interface Requirement for the stated equipment types and for the stated frequency bands.
- 2.4 The requirements given in the main body of this UK Radio Interface Requirement will apply to the licensing and use of maritime UHF on-board communications systems and equipment.
- 2.5 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 maritime UHF on-board communications systems and equipment.
- 2.6 All UK Radio Interface Requirements notified under Directive 2015/1535/EU will be published and will be made available free of charge from the Ofcom web-site at <http://www.ofcom.org.uk>
- 2.7 Further information on this UK Radio Interface Requirement can be obtained from the technical enquiry contact given at the back of this document.

Section 3

Minimum equipment requirements for operation within the UK

- 3.1 The minimum requirements in this document are made for reasons related to the effective and appropriate use of the radio spectrum, in particular, maximising spectrum utilisation.
- 3.2 This UK Radio Interface Requirement gives a high-level description of how the spectrum in the UK is used for maritime UHF on-board communications systems and equipment. It does not prescribe technical interpretation of the 'essential requirements' of Directive 2014/53/EU.
- 3.3 This UK Radio Interface Requirement therefore stipulates the necessary equipment parameters for the licensing of maritime UHF on-board communications systems and equipment in the UK. Table 3.1 contains the relevant equipment parameters. These together with the 'essential requirements' detailed in Article 3.2 of Directive 2014/53/EU constitute the minimum equipment requirements for maritime UHF on-board communications systems and equipment within the UK.
- 3.4 The technical parameters specified in the UK radio Interface Requirement are applied to achieve the desired level of compatibility within the maritime UHF on-board communications systems and equipment and with other radiocommunications services, whilst promoting enterprise, innovation and competition.
- 3.5 This UK Radio Interface requirement provides the necessary technical information which facilitates access to the maritime UHF on-board communications systems and equipment spectrum by making clear the assumptions that are made in planning the use of the maritime UHF on-board communications systems and equipment 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 2014/53/EU on products. Any specified parameters within this document are for the purpose of identifying product options and not as a national de facto product requirement.

Table 3.1: Minimum equipment requirements for maritime UHF on-board communications systems and equipment

1	Frequency band (or bands)	457.5375 MHz 457.5625 MHz 467.5375 MHz 467.5625 MHz 457.525 MHz 457.550 MHz 457.575 MHz 467.525 MHz 467.550 MHz 467.575 MHz
2	Radio service	Maritime Mobile Service
3	Application	Ship Radio Licence
4	Channelling modulation	25 kHz or 12.5 kHz. G3E, G1D, G2D
5	Maximum Transmit power limit	2W erp
6	Channel occupation rules	N/A
7	Duplex type/separation	N/A
8	Licensing Regime	Ship Radio Licence
9	Additional essential requirements	Equipment shall be in accordance with Recommendation ITU-R M1174
10	Frequency planning assumptions	It is assumed that the relevant equipment parameters are in accordance with Recommendation ITU-R M1174
11	Reference	N/A
12	Remarks	N/A
13	Notification Number	2003/328/UK

Section 4

Additional performance parameters

(informative)

EN 300 720-1 Electromagnetic compatibility and Radio Spectrum Matters (ERM). Ultra-High Frequency (UHF) on-board communications systems and equipment; Part 1 Technical characteristics and methods of measurement.

EN 300 720-2 Electromagnetic compatibility and Radio Spectrum Matters (ERM). Ultra-High Frequency (UHF) on-board communications systems and equipment; Part 2 Harmonised EN under Article 3.2 of the Radio Equipment Directive (Directive 2014/53/EU).

IEC-60945 Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results.

If the equipment licensed under this Interface Requirement document is used on board a SOLAS vessel, the relevant mandatory sections of IEC-60945 may also require to be adhered to.

Section 5

Contact details

Ofcom Spectrum Licensing
PO Box 1285
Warrington. WA1 9GL

Tel: 020 7981 3131

Email: spectrum.licensing@ofcom.org.uk

Website: <https://www.ofcom.org.uk/>

Section 6

Document history

Version	Date	Changes
1.0	14 Jan 2001	2000/259/UK
1.1	05 Aug 2003	2003/328/UK
1.1.1		Rebranded to Ofcom format
2.0	January 2018	Replaced R&TTE Directive 1999/5/EC and Directive 98/34/EC with Radio Equipment Directive and Directive (EU) 2015/1535 respectively. Minor editorials