



Draft

**UK Radio Licence Interface Requirement 2025
for a universal shipborne automatic identification
system using time division multiple access in the
VHF band of the maritime mobile service**

(Version 2.0)

98/34/EC Notification Number: [number to be added]

Printed [date/year to be added]

References

Recommendation ITU-R M. 1371 Technical characteristics for a shipborne automatic identification system using time division multiplex access in the VHF maritime mobile band

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 a universal shipborne automatic identification system using time division multiple access in the VHF band of the maritime mobile service.
- 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 a universal shipborne automatic identification system using time division multiple access in the VHF band of the maritime mobile service.
- 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 a universal shipborne automatic identification system using time division multiple access in the VHF band of the maritime mobile service.
- 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 a universal shipborne automatic identification system using time division multiple access in the VHF band of the maritime mobile service. 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 a universal shipborne automatic identification system using time division multiple access in the VHF maritime mobile band. 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 a universal shipborne automatic identification system using time division multiple access in the VHF maritime mobile band.

Table 2.1: Minimum Equipment Requirements

Frequency range	Licence Class & Radio Service	Additional requirements
156 – 163 MHz	Ship Radio Licence Maritime Mobile Service	The channels and parameters shall be in accordance with the relevant sections of the ITU Radio Regulations Articles S5, S19, S30-S33, S50-S54, S57-S58, Appxs S13-S16 and S18.

Maximum carrier power	Channel spacing	Data and Modulation Scheme	Additional requirements
12.5W	25 kHz	GMSK/FM Modulation index 0.5 Only G2B(DSC) on 156.525 MHz	The equipment shall be in accordance with Recommendation ITU-R M.1371

Annex A Additional Performance Parameters (Informative)

- A.1 Recommendation ITU-R M.1371 contains additional performance parameters and limits that the Radiocommunications Agency assume are fulfilled for a universal shipborne automatic identification system using time division multiple access in the VHF band of the maritime mobile service, when planning and managing the radio spectrum in the UK.

Document history

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Radiocommunications Agency

General Enquiries to the
Information and Library Service:
Tel.: +44-(0) 207-211-0502 or 0505
Fax: +44 (0) 207-211- 0507
Email: library@ra.gsi.gov.uk

Technical Enquiries to the
Specialist Sectors Unit
Tel.: +44-(0)20-7211-0225
Fax: +44-(0)20-7211-0228
Email: [mail to: ams@ra.gsi.gov.uk](mailto:ams@ra.gsi.gov.uk)

Web site: www.radio.gov.uk

This is a UK Radio Interface Requirement

Postal address:

Specialist Sectors Unit, Wyndham House, 189 Marsh Wall, LONDON, E14 9SX

There is no current published version of this Interface Regulation.