## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 References</td>
<td>3</td>
</tr>
<tr>
<td>2 Foreword</td>
<td>4</td>
</tr>
<tr>
<td>3 Minimum requirements for operation within the UK</td>
<td>5</td>
</tr>
<tr>
<td>4 Additional performance parameters</td>
<td>7</td>
</tr>
<tr>
<td>5 Contact details</td>
<td>8</td>
</tr>
<tr>
<td>6 Document history</td>
<td>9</td>
</tr>
</tbody>
</table>
Section 1

References

1.1 Recommendation ITU –R-M.1176.
Section 2
Foreword


2.2 Nothing in this UK Radio Interface Requirement shall preclude the need for equipment to comply with Directive 1999/5/EC.

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, in order to be installed or used in the UK, the equipment must meet the minimum requirements specified in this UK Interface Requirement for the stated equipment types and for the stated frequency bands. Nothing in this UK Interface Requirement shall preclude equipment from being placed on the market in the UK that complies with the ‘essential requirements’ specified in Directive 1999/5/EC.

2.4 The requirements given in the main body of this UK Radio Interface Requirement will apply to the licensing of Ship Radar Target Enhancers intended for use in the frequency bands 2900 – 3100 MHz and 9300 – 9500 MHz.

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 Ship Radar Target Enhancers intended for use in the frequency bands 2900 – 3100 MHz and 9300 – 9500 MHz.

2.6 All UK Radio Interface Requirements notified under Directive 1998/34/EC will be published and will be made available free of charge from the Ofcom web-site at http://www.ofcom.org.uk/radiocomms/ifi/tech/interface_req/.

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 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 Ship Radar Target Enhancers intended for use in the frequency bands 2900 – 3100 MHz and 9300 – 9500 MHz. It does not prescribe technical interpretation of the ‘essential requirements’ of Directive 1999/5/EC.

3.3 This UK Radio Interface Requirement therefore stipulates the necessary equipment parameters for the licensing of Ship Radar Target Enhancers intended for use in the frequency bands 2900 – 3100 MHz and 9300 – 9500 MHz in the UK. Tables 3.1 contain the relevant equipment parameters. These taken together with the ‘essential requirements’ detailed in Article 3.2 and 3.3(e) of Directive 1999/5/EC constitute the minimum requirements for Ship Radar Target Enhancers intended for use in the frequency bands 2900 – 3100 MHz and 9300 – 9500 MHz within the UK. Nothing in this UK Interface Requirement shall preclude equipment from being placed on the market in the UK that complies with the ‘essential requirements’ specified in Directive 1999/5/EC.

3.4 The technical parameters specified in the UK Radio Interface Requirement are applied to achieve the desired level of compatibility within the maritime 2900 – 3100 MHz and 9300 – 9500 MHz bands 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 2900 – 3100 MHz and 9300 – 9500 MHz spectrum by making clear the assumptions that are made in planning the use of the 2900 – 3100 MHz and 9300 – 9500 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 de facto product requirement.
Table 3.1: Minimum requirements for the use of: - Radar Target Enhancers operating in the 2900 – 3100 and 9300 – 9500 MHz bands

<table>
<thead>
<tr>
<th>Mandatory (1-10)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Frequency/ band(s)</td>
<td>2900 – 3100 MHz and 9300 – 9500 MHz</td>
</tr>
<tr>
<td>2 Radiocommunication Service</td>
<td>Maritime Radionavigation Service</td>
</tr>
<tr>
<td>3 Application</td>
<td></td>
</tr>
<tr>
<td>4 Channelling</td>
<td>N/A</td>
</tr>
<tr>
<td>5 Modulation / Occupied bandwidth</td>
<td>As per received signal</td>
</tr>
<tr>
<td>6 Direction / Separation</td>
<td>n/a</td>
</tr>
<tr>
<td>7 Maximum Transmit Power</td>
<td>10 W eirp</td>
</tr>
<tr>
<td>8 Channel access and occupation rules</td>
<td>The output shall be only an amplified version of the received pulse, without any form of processing except limiting.</td>
</tr>
<tr>
<td>9 Authorisation regime</td>
<td>Licensed</td>
</tr>
<tr>
<td>10 Additional essential requirements</td>
<td>N/A</td>
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</tbody>
</table>

Informative (11-13)

| 11 Frequency planning assumptions | N/A |
| 12 Planned changes | N/A |
| 13 Reference | Recommendation ITU-R M.1176 |
| 14 Notification | 2010/0245/UK |
| 15 Remarks | N/A |
Section 4

Additional performance parameters
(informative)

None specified
Section 5

Contact details

Ofcom, Riverside House, 2a Southwark Bridge Road, London, SE1 9HA

- Technical enquiries to Ofcom Licensing Centre

- Tel: 020 7981 3131

- Fax: 020 7981 3235

- Email: licensingcentre@ofcom.org.uk

- Website: http://www.ofcom.org.uk/radiocomms/ifi/licensing/classes/maritime/
Section 6

Document history

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>April 2010</td>
<td>Draft published</td>
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<tr>
<td>1.0</td>
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<td>Document published</td>
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