CITC Technical Specification

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Specification for Emergency Beacons

Issued by The Communications and Information Technology Commission of Saudi Arabia in accordance with article 89 of the Telecommunications Bylaw.

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Contents

This document comprises the following sections:

Scope......................................................................................................................................... 2
Entry into force ............................................................................................................................ 2
Frequency of operation ............................................................................................................... 2
Proof of compliance .................................................................................................................... 2
Technical requirements .............................................................................................................. 3
Obtaining technical standards .................................................................................................. 3
Document history ....................................................................................................................... 3

Scope

This document applies to Emergency Radio Beacons.

All telecommunications and radio terminal equipment must comply with the relevant technical specifications established by CITC. In addition, such equipment may be subject to regulations for Declaration of Conformity or registration. See http://www.citc.gov.sa/ for details.

If more than one interface type is offered by a piece of equipment, each interface must meet the applicable technical specifications.

Entry into force

This specification shall enter into force on 25/09/2017 G

Frequency of operation

Following table is showing information on frequency bands, maximum output power and applicable specifications:

<table>
<thead>
<tr>
<th>Frequency band</th>
<th>Maximum Output Power</th>
<th>ETSI Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>406,0–406,1 MHz</td>
<td>5 W</td>
<td>EN 300 066</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EN 302 152</td>
</tr>
<tr>
<td>121,5 MHz</td>
<td>63 mW</td>
<td>EN 302 152</td>
</tr>
</tbody>
</table>

Proof of compliance

It is required that test reports are obtained from a laboratory that has been accredited by a body that is a member of the ILAC Mutual Recognition Arrangement.
Technical requirements

**EN 300 066**
Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Float-free maritime satellite Emergency Position Indicating Radio Beacons (EPIRBs) operating in the 406,0 MHz to 406,1 MHz frequency band; Technical characteristics and methods of measurement

**EN 300 372**
Radio Equipment and Systems (RES); Technical characteristics and methods of measurement for maritime float-free satellite Emergency Position Indicating Radio Beacon (EPIRB) operating in the 1,6 GHz band through geostationary satellites

**EN 302 152**
Electromagnetic compatibility and Radio spectrum Matters (ERM); Satellite Personal Locator Beacons (PLBs) operating in the 406,0 MHz to 406,1 MHz frequency band.

**EN 301 843-1**
Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for marine radio equipment and services; Part 1: Common technical requirements

If no issue or revision number is quoted along with the title of a technical specification, the latest published version should be used.

General

In addition to meeting the above requirements, all equipment must comply with the requirement of CITC specification GEN001, be safe and must not adversely affect other electrical equipment.

Obtaining technical standards

ETSI technical standards may be obtained free of charge for individual use from the ETSI website www.etsi.org.

Document history

<table>
<thead>
<tr>
<th>Description</th>
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<tr>
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