



CITC Technical Specification

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Specification for Navigation (Water) Equipment

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

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Scope

This document applies to Navigation (Water).

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 10/01/2010 G

Frequency of operation

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

Frequency band	Maximum Output Power or Magnetic Field	ETSI Standard
90 – 110 kHz	---	EN 61075
2.9 – 3.1 GHz	30 KW (conducted)*	IEC 62388 IEC 60936 IEC 60945
9.3 – 9.5 GHz	25 KW (conducted)*	IEC 62388 IEC 60936 IEC 60945

* The maximum of the antenna gain shall not exceed 30 dBi.

Proof of compliance

It is recommended 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 61075 / IEC 61075

Loran-C receivers for ships - Minimum performance standards - Methods of testing and required test results.

EN 62388 / IEC 62388

Maritime navigation and radio communication equipment and systems - Shipborne radar - Performance requirements, methods of testing and required test results.

EN 60936-2 / IEC 60936-2

Maritime Navigation and Radio communication Equipment and Systems - Radar - Part 2: Shipborne Radar for High-Speed Craft (HSC) - Methods of testing and required test results.

EN 60945-2 / IEC 60945-2

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

General

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

Additional requirements

A licence must be obtained before this kind of equipment can be used in the Kingdom. This licence will detail conditions of use and any additional requirements which must be met.

Obtaining technical standards

CENELEC and IEC standards may be obtained at cost from www.cenelec.org and from www.iec.ch respectively.

Document history

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