



CITC Technical Specification

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Specification for Automatic Identification System (AIS) 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 Automatic Identification System (AIS) Equipment

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.

Where 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 giving information on frequency bands and ancillary equipment, maximum output power and applicable specification

Frequency	Maximum Output Power or Magnetic Field
161.975 MHz	12.5 W
162.025 MHz	

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

Testing should be carried out to ensure compliance with the following specifications:

IEC 62287

Maritime navigation and radiocommunication equipment and systems – Class B shipborne equipment of the automatic identification system (AIS).

IEC 61108-1

Maritime navigation and radiocommunication equipment and systems – Global navigation satellite systems.

IEC 60945

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

IEC 61162-1

Maritime navigation and radiocommunication equipment and systems – Digital interfaces

ITU-R M.1371-2

ITU-R M.493-9

ITU-R M.825-3

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 from the CIRC Spectrum Management Sector before equipment of this type can be used.

Obtaining Technical standards

ETSI technical standards may be obtained free of charge for individual use from the ETSI web site. www.etsi.org. CENELEC, IEC and CISPR standards may be obtained at cost from, or through www.cenelec.org and from www.iec.ch respectively. Standards may also be obtained from the SASO website www.saso.org.sa. Information on the status of standards may also be obtained from these web sites. Latest status of European Norms may be found via <http://europa.eu.int>

Document History

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