



CITC Technical Specification

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Specification for Software Defined Radio Equipment (SDR)

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 Software Defined Radio equipment (SDR)

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

Frequency bands will be allocated for use by SDR by CITC's Spectrum Affairs department on a case-by-case decision.

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 as appropriate:

SDR technology enables the use of multiple different waveforms on a single hardware device. It may be appropriate for different user categories on the public/private shared network to use different waveforms or to select different options within a single waveform standard. Radio spectrum requirements will be defined by CITC on a case-by-case basis.

EN 301 489-1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

Where 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.

Additional requirements

Additional requirements may exist for the use of SDR equipment at this time. 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

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

Network information (only for network interfaces)

Further information on the characteristics and presentation of network interfaces can be found by visiting operator's website.

Document history

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