



Saudi Arabian National Specification

Document Number: RI058
Revision: Issue 1
Date: 19/12/2006

Specification for WiMAX Subscriber equipment, Base Stations and ancillary equipment

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

King Fahad Highway
Riyadh

Telephone: +966 1461 8188
Fax: +966 1461 8081
E-mail: info@citc.gov.sa
Website: www.citc.gov.sa

Requirements for WiMAX Subscriber Equipment, Base Stations and ancillary equipment

Document Number: RI058
Revision: Issue 1
Date: 19/12/2006

Contents

This document comprises the following sections:

Scope.....	2
Entry into force	2
Frequency of operation	3
Proof of compliance.....	3
Technical requirements.....	3
Additional requirements.....	3
Obtaining Technical standards.....	4
Document History.....	4

Scope

This document applies to WiMAX subscriber equipment, base stations and ancillary equipment.

All telecommunications and radio terminal equipment must comply with the relevant National 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 National Specifications.

Entry into force

This specification shall enter into force on dd/mm/yyyy.

Frequency of operation

Currently, the following frequency bands have been allocated for use by fixed wireless equipment in the Kingdom:

3.400 - 3.600 GHz

3.600 - 3.800 GHz *

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:

ETSI EN 301 489-4

Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 4: Specific conditions for fixed radio links and ancillary equipment and services.

ETSI EN 301 753

Fixed Radio Systems; Point-to-Multipoint equipments and antennas; Generic harmonized standard for Point-to-Multipoint digital fixed radio systems and antennas covering the essential requirements under Article 3.2 of the Directive 1999/5/EC.

ETSI EN 301 021

Fixed Radio Systems; Point-to-multipoint equipment; Time Division Multiple Access (TDMA); Point-to-multipoint digital radio systems in frequency bands in the range 3 GHz to 11 GHz.

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 CIRC specification GEN001, be safe and must not adversely affect other electrical equipment.

Additional requirements

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

* The 2.5 - 2.686 GHz has also been allocated for fixed wireless services in the Kingdom of Saudi Arabia, the applicable specifications will be included in the update when the relevant ETSI technical standard has been published.

Obtaining Technical standards

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

Document History

Description	Status	Date
First issue	Issue 1	19/12/2006

DRAFT