



## CITC Technical Specification

Document Number: RI018  
Revision: Issue 2  
Date: 10/01/2010 G

## Specification for iDEN 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.

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## Scope

This document applies to iDEN Base Stations and Ancillary 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.

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              |
|-------------------|--|----------------------------|
| 806 MHz - 821 MHz |  | FCC, CFR Title 47, Part 90 |
| 821 MHz - 824 MHz |  | ANSI TIA EIA 603           |
| 851 MHz – 866 MHz |  |                            |
| 866 MHz – 869 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:

### **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.

### **EN 301 489-5**

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 5: Specific conditions for Private land Mobile Radio and ancillary equipment (speech and non-speech).

**FCC, CFR Title 47, Part 90**, Private Land Mobile Radio Services (specific to US originated equipment only).

**ANSI/TIA/EIA 603** (specific to US originated equipment only)

Land mobile FM or PM communication equipment, measurement and performance standard.

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 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.

## Obtaining technical standards

ETSI technical standards and FCC rules may be obtained free of charge for individual use from the ETSI website [www.etsi.org](http://www.etsi.org) and through [www.fcc.gov](http://www.fcc.gov).

ANSI technical standards may be obtained for cost from the ANSI website <http://webstore.ansi.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

| Description | Status  | Date         |
|-------------|---------|--------------|
|             | Issue 1 | 11/03/2006 G |
|             | Issue 2 | 10/01/2010 G |