CITC Technical Specification

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Specification for Mobile Satellite Service (MSS) <1GHz Terminals 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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This publication is a translation. In case of divergence; the original Arabic text shall prevail.
Contents
This document comprises the following sections:

Scope............................................................................................................... 2
Entry into force ............................................................................................... 2
Frequency of operation ................................................................................... 2
Proof of compliance ........................................................................................ 2
Technical requirements ................................................................................... 3
Additional requirements ................................................................................. 3
Obtaining technical standards ........................................................................ 3
Network information (only for network interfaces) ....................................... 3
Document history............................................................................................ 4

Scope
This document applies to Mobile Satellite Service (MSS) <1GHz 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
Certain frequency bands below 1 GHz may be assigned for use by ground based mobile satellite service (MSS) operating in the Kingdom. Frequencies will be assigned on a case-by-case basis.

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 301 721**
Satellite earth stations and systems (SES); Harmonised EN for mobile earth stations (MES) providing low bit rate data communications (LBRDC) using low earth orbiting (LEO) satellites operating below 1GHz covering essential requirements under Article 3(2) of the R&TTE directive.

**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 301 489-20**
Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 20: Specific condition for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS).

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 CITC 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 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

<table>
<thead>
<tr>
<th>Description</th>
<th>Status</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issue 1</td>
<td></td>
<td>11/03/2006 G</td>
</tr>
<tr>
<td>Issue 2</td>
<td></td>
<td>10/01/2010 G</td>
</tr>
</tbody>
</table>

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