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# TECHNICAL SPECIFICATION

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## Requirements for Voice over IP Equipment (Private usage only)

TS TTE 006, Version 1.0

Document Date: July 3, 2019

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Telecommunications Regulatory Authority (TDRA)  
P O Box 26662, Abu Dhabi, United Arab Emirates (UAE) [www.tdra.gov.ae](http://www.tdra.gov.ae)

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### VERSION CONTROL

Version:	Issue Date:	Reason for Issuance:
1.0	July 3, 2019	Version 1

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## 1 General requirements

Technical specification has been prepared and approved by the Telecommunications Regulatory Authority (TDRA) based on the Telecommunication apparatus Type Approval Regime.

Several technical specifications may apply to the equipment. If equipment within the scope of this technical specification also incorporates functions that are covered by another technical specification, the relevant technical specification is applied to each function separately. The influence of one function on the other is taken into account.

## 2 Scope

This technical specification applies to Voice over IP Equipment (Private usage only) in the internal network.

This technical specification defines minimum technical requirements for health and safety, electromagnetic compatibility and additional essential requirements based on the Telecommunication apparatus Type Approval Regime.

Unless the context requires otherwise, the expressions and wordings appearing in the Telecommunication apparatus Type Approval Regime shall have the same meaning described thereto.

## 3 Technical Requirements

### 3.1 Network connection

The equipment shall meet the requirements of following standard(s):

ES 202 737      Speech Processing, Transmission and Quality Aspects (STQ); Transmission requirements for wideband VoIP terminals (handset and headset) from a QoS perspective as perceived by the user.

ES 202 738      Speech Processing, Transmission and Quality Aspects (STQ); Transmission requirements for wideband VoIP loud speaking and hands free terminals

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from a QoS perspective as perceived by the user.

ES 202 739 Speech Processing, Transmission and Quality Aspects (STQ); Transmission requirements for wideband VoIP loud speaking and hands free terminals from a QoS perspective as perceived by the user.

ES 202 740 Speech Processing, Transmission and Quality Aspects (STQ); Transmission requirements for wideband VoIP loud speaking and hands free terminals from a QoS perspective as perceived by the user.

### 3.2 Electromagnetic compatibility

The equipment shall meet the requirements of following standard(s):

EN 55022 Information technology equipment; Radio disturbance characteristics; Limits and methods of measurement (CISPR 22).

EN 55024 Information technology equipment; Immunity characteristics; Limits and methods of measurement (CISPR 24).

EN 55032 Electromagnetic compatibility of multimedia equipment - Emission requirements.

EN 300 386 Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunication network equipment; ElectroMagnetic Compatibility (EMC) requirements

### 3.3 Health and safety

The equipment shall meet the requirements of Technical specification TS HS 001.

### 3.4 Additional essential requirements

No additional requirements.

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### 3.5 Validity of standards

If no issue or revision number is quoted along with the title of a standard, the valid edition should be used. The valid of the standard can be checked on:

- For EN standards:

[http://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/rte/index\\_en.htm](http://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/rte/index_en.htm);

- For ES standards:

<http://www.etsi.org/>