

## CITC Technical Specification

# Specification for APCO 25 Equipment

Document Number: RI015  
Revision: Issue 03  
Date: 02/03/2021

**This Technical Specification will be withdrawn by 01/01/2022**

Issued by The Communications and Information Technology Commission of Saudi Arabia in accordance with article 84 of the Telecommunications Bylaw.

Communications and Information Technology Commission (CITC)  
P.O Box 75606 – Riyadh 11588 – Kingdom of Saudi Arabia

Telephone: + 966 1 14618000  
Fax: + 966 1 14618120  
E-mail: [info@citc.gov.sa](mailto:info@citc.gov.sa)  
Website: [www.citc.gov.sa](http://www.citc.gov.sa)

**Contents**

Scope ..... 3

Enforcement ..... 3

General Requirements ..... 4

Limits and conditions ..... 4

Licensing Requirements ..... 5

Additional Requirements ..... 5

References ..... 6

History ..... 6

DRAFT

## Scope

This specification applies to APCO 25 handsets, base stations and ancillary equipment.

The APCO 25 suite of standards is defining a digital two-way radio communication system.

## Enforcement

This specification shall enter into force on 01/06/2021.

Any previous version of this technical specification is withdrawn.

## General Requirements

All equipment must comply with the requirement of CITC specification GEN001, be safe and must not adversely affect other electrical 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 [www.citc.gov.sa](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.

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

It is mandatory 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.

## Limits and conditions

Testing should be carried out to ensure compliance with the listed specifications.

Frequency band	Max Output Power or Magnetic Field	Usage	Standard	Comments
140 – 800 MHz	Subject to licensing	APCO 25	CFR 47 Part 90 CFR 47 Part 15 B ANSI C63.26	

## Licensing Requirements

Spectrum Licensing requirements apply as indicated in the table above.

## Additional Requirements

There is no additional requirements for this technical specification.

DRAFT

## References

The following referenced documents are indispensable for the application of this document. If no issue or revision number is quoted along with the title of a technical specification or standard, the latest published version should be used.

CFR 47 Part 90  
Private Land Mobile Radio Services

CFR 47 Part 15 B  
Unintentional Radiators

ANSI C63.26  
American National Standard for Compliance Testing of Transmitters  
Used in Licensed Radio Services

## History

For reference, the latest versions of the technical specifications are published on the CITC website [www.citc.gov.sa](http://www.citc.gov.sa).

Description	Status	Date
	Issue 1	11/03/2006
	Issue 2	10/01/2010
Merge of RI015 "Specification for APCO 25 Handsets and Ancillary Equipment" with RI016 "Specification for APCO 25 Base Stations and Ancillary Equipment" into one technical specification.	Issue 3	02/03/2021