



ITU Training Course on “Homologation Procedures & Type Approval Testing for Mobile Terminals for AFR Region”

Tunis, Tunisia, 23–27 June 2014



Objective >>>>



Theme	Duration	Trainer
Part 1 : Tunisian approach in terms of type approval, conformity and technical control	1/2 day	Chokri Ben Hadj Yahia
Part 2 : Approval of telecommunications terminals Test and measurements	1/2 day	Zied Salhi
Part 3 : EMC, EMF, SAR procedures	1 day	Karim Loukil & Kais Siala
Part 4 : Type approval lab & EMC lab	2 days in CERT Labs	Zied Salhi, Karim Loukil & Kais Siala



Part 1 : Tunisian approach in terms of type approval, conformity and technical control

Tunis, Tunisia, 17–22 March 2014



- I. One-stop shop Establishment
- II. Approval procedure
- III. Conformity control procedure
- IV. Technical control procedure



In order to simplify administrative and technical procedures of conformity of telecommunication equipments and to provide a single interface for importers and manufacturers, a one stop shop was created under CERT.



CREATION

- Created under the Research and Studies Telecommunications Center (CERT)
- Following the Decree N° 2639 of July 21th, 2008.

MISSION

Provide administrative authorizations for electronic equipment and communication systems in following cases :

- Importation (*for public use*)
- Commercialization

ARCHITECTURE

The One-stop shop is composed of the following offices:

Administrator



*Research and Studies
Telecommunications
Center Office (CERT)*



*Electronic Certification
National Agency Office
(ANCE)*



*National Frequency
Agency Office (ANF)*



ARCHITECTURE

The One-stop shop is composed of the following offices:

a- The administrator Office:

In charge of the following internal offices:

- Orientation
- Cash desk
- Storage
- Coordinator



Mission:



- Coordination with the different offices
- Dispatching files/requests

ARCHITECTURE

The One-stop shop is composed of the following offices:

*b- The Research and Studies
Telecommunications Center Office
(CERT):*



- Delivers to the administrator the test reports generated by the Type approval Lab. 
- Sends files for treatment to the Type approval Lab 

ARCHITECTURE

The One-stop shop is composed of the following offices:

c- The National Frequency Agency Office (ANF):



- Responsible for the study of files related to radio communication equipments (using radio frequency)

ARCHITECTURE

The One-stop shop is composed of the following offices:

*d- The Electronic Certification
National Agency Office (ANCE) :*



- Responsible for the study of files related to the equipment and electronic systems containing data encryption means.
- Delivers to the administrator :
 - Approval certificates
 - Importation or commercialization authorizations



REGULATORY FRAMEWORK

The approval procedure of the telecommunications equipment is organized by the following laws and decrees:

a. Laws:

- Law No 2001-1 of January 15th 2001 related to the promulgation of telecommunications code.
 - Article 32: are subject to preliminary approval, the telecommunications terminals imported or manufactured in Tunisia and intended for commercialization or public use, intended or not intended to be connected to the public telecommunication network.*

b. Decrees:

- Decree No 2001-830 of April 14th, 2001, related to the approval of telecommunication terminals and the radio communication terminals.

- Decree No 2008-2639 of July 21st, 2008, fixing the conditions and the procedures of importation and commercialization of encryption means or services through the telecommunication networks.



REGULATORY FRAMEWORK

The approval procedure of the telecommunications equipment is organized by the following laws and decrees:

c. Orders :

- Order of the Communication Technologies Minister on February 11th, 2002 related to the approval of the National Frequency Plan
- Order of the Industry and technology Minister of November 22th, 2011, setting the maximum power and the limit of the radio range of equipment of low power and limited range



TYPE APPROVAL APPLICANT

- The application for approval of telecommunications equipment may be submitted by the manufacturer, its agent, or an approved importer for commercial use.

EQUIPMENTS SUBJECT TO TYPE APPROVAL

- Any telecommunications equipment to be connected directly or indirectly to a public telecommunication network.
- Any telecommunications equipment having undergone changes, subsequent to its approval, that made him not compliant with the technical specifications on the basis of which it has been approved, (*new approval is needed*).



EQUIPMENTS SUBJECT TO TYPE APPROVAL

a- Equipment type :

- Telecommunications terminals,
- Cryptographic means,
- Radio terminals.

b-Source :

- Imported from abroad,
- Made in Tunisia.

c-Destination :

- Commercialization,
- Public use.



TECHNICAL FRAMEWORK

The type approval aims to:

Check the conformity with the requirements of the regulation and standards (Tunisian and International).

These requirements cover :

- The safety of users,
- The safety of staff operating in public telecommunications networks,
- The protection of the public telecommunications networks,
- The optimum use of the radio spectrum.



CERTIFICATE OF APPROVAL

Every telecommunication equipment should be subject of an individual request for certificate of approval taking into account the following identifications:

- Product Type,
- Product Brand,
- Product Model.

- The validity of the type approval certificate is **three years** from the date of grant.
- The certificate of approval of a telecommunications terminal is **nominative; specific** for each company and **can not in any way be used by a third party.**
- Every terminal equipment **must be approved** before any import transaction for trade.

GENERATION OF THE CERTIFICATE OF APPROVAL

Approval certificates are issued by the one stop shop of the CERT after evaluation of various stakeholders namely:





STEPS FOR OBTAINING A CERTIFICATE OF APPROVAL

The application for a certificate of approval of a telecommunications equipment consists of two files divided as follows :

a-Submission of a “Removal for approval Application”, including the following documents :

- Application Form (Delivered by CERT),
- Invoice,
- Certificate of origin or equivalent,
- Packing list ,
- Arrival notice ,
- Technical specifications.

Deadlines
24 hours from the date of
submission of a complete request.



STEPS FOR OBTAINING A CERTIFICATE OF APPROVAL

The application for a certificate of approval of a telecommunications equipment consists of two files divided as follows :

b-Submission of “Approval Certificate Application” including the following parts:

- Application Form (Delivered by CERT),
- Copy of the authorization of removal for approval,
- Technical documents: specifying the interfaces contained in the equipment,
- User manual,
- Tests Report ,
- Conformity Certificate ,
- Specimens of the equipment to be approved.

Deadlines
10 days / per organization from the
date of filing of a complete request
of approval.



1-Equipments subject to conformity check

- Telecommunications terminals,
- Radio communications terminals.

2-Type of use:

- Natural person
- Legal person

3-Type of tests :

- Functional test,
- Measurement on the test bench,
- Check of characteristics.



4-Conformity Requirements:

- Conform to the technical requirements of interworking with the public telecommunications network.
- Conform to the rules of use and operating frequency.
- Conform to the standards and standard required for the proper operation of the product.



5-Steps for obtaining a certificate of conformity:

The application for “Certification of Conformity” of telecommunications equipments consists of two files divided as follows:

a-Submission of an application for withdrawal for conformity, including the following parts:

- Application Form (Delivered by CERT),
- Invoice,
- Certificate of origin or equivalent,
- Packing list ,
- Arrival notice ,
- Technical documentation,
- Commitment Form,
- ANF Approval (for radio terminal equipments).

Deadlines
24 hours from the date of
submission of a complete request.



5-Steps for obtaining a certificate of conformity:

The application for “Certification of Conformity” of telecommunications equipments consists of two files divided as follows:

b-Submission of an application for certification of conformity with the following parts :

- Form,
- Copy of the authorization of withdrawal for conformity,
- Technical documentation,
- User manual,
- Equipment.

Deadlines
10 days / per organization from the
date of filing of a complete request
of conformity certificate.



Importation of some telecommunications equipment is subject to the operation of technical control that consists of :

- Checking of conformity of the samples compared to the product already approved.
- Measurement on the test bench.

Importer must fill of following conditions in advance:

- The Product have to be already approved on the name of the importer itself,
- Has a suitable license (permit of importation).

The approval type is determined by the nature of the equipment, there are 3 categories:

- Radio Type:** TR (Transmitter / Receiver, Access Point, Mobile Terminal ...)
- Cable Type :** TF (Fixed phone, switchboard,...)
- Data Type :** TD (Fax, Modem, Router,...)



Steps for obtaining an authorization of release for consumption :

- Authorization for provisional removal
- Authorization for consumption

Step 1:

Request for an authorization for provisional removal :

- Directly at the one stop shop
- From the website (virtual one stop shop)

Step 2:

- Study The file
- Generation of the Authorization for provisional removal
- Customer proceed to the removal of its goods for the store in its premises



Steps for obtaining an authorization of release for consumption :

Step 3:

- * Deposit of a request for an "Authorization for consumption."
 - Directly at the one stop shop
 - From the website (virtual one stop shop)

- * CERT controller performs:
 - Inspection,
 - Taking samples
 - Dispatching to the laboratory for analysis and testing



Steps for obtaining an authorization of release for consumption :

Step 4:

Issuance of the final decision by the One Stop Shop after receiving the results of analyzes of samples :

- Imported product in conformity with the product already approved
 - ⇒ Authorization for consumption

- Imported product not in conformity with the product already approved
 - ⇒ Choose one of the following decisions:
 - Refoulement of goods
 - Destruction of goods
 - Re-approval of the product



Application

The application for “authorization of release for consumption” of telecommunications equipments consists of two files divided as follows:

a-Submission of an application for of a provisional authorization of removal including the following parts:

- Application Form(Delivered by CERT),
- Invoice,
- Certificate of origin or equivalent,
- Packing list ,
- Arrival notice ,
- Approval Certificate,
- Suitable agreement.

Deadlines
24 hours from the date of
submission of a complete request.



Application

b-Submission of an application form of “authorization of release for consumption” including the following parts:

- Application Form (Delivered by CERT),
- Copy of the provisional authorization of removal APE,
- customs goods declaration ,
- Payment receipt,
- Serial numbers list.

Deadlines
03 days / per organization from the
date of taking samples



“
thank you for
your **ATTENTION**
:)”

Chokri.benhajyahia@cert.mincom.tn