

# **Republic of Lebanon**

## **Telecommunications Regulatory Authority**

### **DECISION N° 5/2009**

#### **TYPE APPROVAL REGULATION**

The TRA, during its meeting held on 18/03/2009,

Pursuant to law No. 431 dated 22/07/2002 (Telecommunications Law), in particular Article 23,

Pursuant to Decree No 14264 dated 4/03/2005 (Financial and administrative management of the Telecommunications Regulatory Authority),

Pursuant to Decree N° 1 dated 08/02/2007 (Appointment of the TRA Board),

and upon the advice of the Council of State Consultative (Opinion N° 37/2008-2009 dated 29/01/2009),

issued the following regulation:

## **CHAPTER 1. PURPOSE AND SCOPE OF THE REGULATION**

### **Article 1. Background**

1. This Type Approval Regulation (the Regulation) forms part of the regulations issued by the Telecommunications Regulatory Authority (the Authority) of Lebanon in accordance with the Telecommunications Law – Law No. 431 of 2002 (Telecommunications Law). This Regulation is designed to state the procedures of ensuring the provision of the Telecommunications equipment in the Lebanese market, through the determination of the process adopted in this regard, and also the conditions for the compliancy with standards set by the Authority for each category.
2. This Regulation is a binding regulation that states the official policies and procedures as set forth by the Authority. It may be subject to review and amendment as deemed necessary by the Authority in light of the development of the Lebanese telecommunications market, changes to Lebanese national laws impacting the telecommunications sector, or other factors.

### **Article 2. Legal basis**

1. The Telecommunications Law grants the Authority the power to issue regulations pertaining to competition, quality of service, interconnection, disputes resolution, pricing, consumer affairs, spectrum and any matter which the Authority deems necessary to implement the Telecommunications Law.
2. To that end, Article 23 of the Telecommunications Law addresses specific responsibilities of the Authority in matters related to standards and technical specifications that are mandatory to Telecommunications equipments and private user's equipments and set guidelines allowing the Authority to ensure that:
  - a. These equipments does not cause any damage to the Telecommunications networks, safety and public health.
  - b. Each importer shall adhere to the standards and technical conditions set by the Authority.
  - c. Each Licensee shall adhere to these standards and conditions when connecting the Telecommunications equipments and private user's equipments to the public telecommunications networks.
  - d. Ensure interoperability and interconnection between the various categories of equipments.
3. When drafting this regulation, the Authority has consulted with the responsables of safety and public health, licensed service providers and equipments' manufacturers. The Authority plans, in the context of the execution of this regulation, to resort to industrial advisory groups to test, develop and update the equipments.

### **Article 3. Scope**

1. All telecommunications terminal equipment which connects directly to a public telecommunications network and all intentional emitters of electromagnetic radiation (radio waves) shall be subject to the Type Approval regime operated by TRA. Such equipment shall be referred to collectively as Radio and Telecommunications Terminal Equipment (RTTE).

The attached annexes are deemed to be an integral part of this regulation.

2. Network Infrastructure Equipment (NIE) (e.g., Class 4/5 switches, MSCs, BSCs, transmission equipment, etc.) is subject to the authorizations stipulated in the Service Provider (SP) license and must meet the TRA Network technical specifications or recommendations. However, NIE does not follow the RTTE Type Approval regime.
3. The Type Approval regime operated by TRA applies equally to RTTE imported into Lebanon or manufactured in Lebanon, whether for personal use or for commercial purposes. However, certain equipment (to be determined by the TRA) imported into Lebanon by individuals for personal use *will* be exempt from Type Approval by the TRA.
4. RTTE that is entering temporarily to the Lebanese territories and are not intended to be used or connected to a public network in Lebanon – for the purpose of a trade exhibit for example – requires a prior permission from the TRA. In this case no Type Approval is required.
5. Radio and television *receivers* do not fall within the scope of the Type Approvals regime operated by TRA if such equipment is not capable of data transmission.
6. In addition to the TRA Type Approval regime, certain equipment types may require clearance from Lebanese Security Forces (Ministry of Defense and General Security).
7. A Service Provider, who participates in a **Pilot Project to Test New Technology in Lebanon** and wants to import the required equipment, should obtain TRA's preliminary permission or authorization.
8. The importation and operation of equipment used exclusively by public security, maritime, civil aviation, and state security shall be coordinated jointly between the TRA and the involved official party (.).
9. The importation of equipment used exclusively by the Ministry of Defense is not subject to the type approval scheme.

### **Article 4. Prohibited Equipments or Equipments that need special authorizations**

1. The TRA prohibits the importation, operation, supply or possession of equipment designed to interfere with radio communications or disrupt or disturb radio communications, and the TRA will identify such equipment including all type of jammers in a list entitled list of prohibited equipment to be issued by the TRA.
2. Importer of Encryption Equipment should submit to the Ministry of Defense all the information about the equipment including the Encryption Algorithm and Encryption Keys.

#### **Article 5. Purpose of the regulation**

The purpose of the Type Approval regulation is to ensure that the Telecommunications equipment:

- a. does not cause damage to, or interfere with the correct working of a public telecommunications networks;
- b. does not cause harm to the general public or staff working on public telecommunications networks;
- c. does not generate electromagnetic disturbance exceeding the level above which RTTE or other equipment cannot operate as intended; and
- d. that is a radio equipment makes efficient use of the radio spectrum.

#### **Article 6. Regulation attachments**

This Regulation shall be read in conjunction with the following supporting documentation which are considered an integral part of this regulation:

- a. Appendix A – Classification of RTTE
- b. Appendix B – Application & Declaration of Conformity Forms
- c. Appendix C – Declaration of Use and Conformity Forms for Network Infrastructure Equipment
- d. Appendix D – Certificate Forms for RTTE and Network Infrastructure Equipment
- e. Appendix E – Figures
- f. Appendix F – Applicable Fees
- g. TRA Technical Specifications for RTTE. Published on the TRA website. Click [here](#) to see the Equipment specifications
- h. TRA Technical specifications/recommendation for Network Infrastructure Equipment Published on the TRA website. Click [here](#) the Equipment specifications.

## CHAPTER 2. DEFINITIONS

### Article 7. Definitions basis

In the event of conflict or ambiguity between the terms defined herein and the terms defined in the Service Provider License or in the Telecommunications Law then the following order of precedence shall apply:

- a. The Telecommunications Law.
- b. The Type Approval Regulation.
- c. Service Provider License.

### Article 8. Definitions

The terms used in this regulation will have the ascribed meanings:

**“Accreditation”**: The process by which an authorized body formally recognizes that a person or institution is competent to carry out specific tasks.

**“Authority” or “TRA”**: The Telecommunications Regulatory Authority in Lebanon established by virtue of the Telecommunications Law No. 431/2002.

**“Authorized Dealer”**: The importer authorized by a Telecommunication equipment vendor to supply this equipment in Lebanon to Licensed Service Providers. An Authorized Dealer may represent more than one vendor.

**“Certification of Conformity”**: A document issued according to the rules of a certification system, in which it is reasonably attested that a duly identified product, process or service is according to a norm, technical specification or any other specific normative document.

**“Conformity Assessment”**: Any procedure utilized, directly or indirectly, to determine that pertinent prescriptions of technical regulations or norms are complied with.

**“Connection”**: the physical linking of Telecommunications Terminal Equipment or Private Telecommunications Networks to Public Telecommunications Networks in order to allow Users of the Telecommunications Terminal Equipment or Users of the Private Telecommunications Network to communicate with Users of a Public Telecommunications Networks or Users of the same or another Private Telecommunications Network or to access services provided on a Public Telecommunications Networks as appropriate.

**“Network Infrastructure Equipment”** (NIE) or simply **“Network Equipment”**: Products forming part of, or necessary to the network infrastructure, other than Customer Premise Equipment.

**“Import/Manufacture License”:** Authorization or permit granted by the TRA to provide (import or manufacture) Telecommunications Equipments into the local market.

**“Installation”:** A particular combination of several types of apparatus and, where applicable, other devices, which are assembled, installed and intended to be used permanently at a predefined location.

**“Interference”:** The effect of unwanted energy due to one or a combination of emissions, radiations, or inductions upon reception in a radio communication system, manifested by any performance degradation, misinterpretation, or loss of information which could be extracted in the absence of such unwanted energy.

**“International Norm”:** A norm adopted by an international standardization body and made available to the public.

**“Procedure”:** A linked set of actions that the TRA will take to perform a task.

**“Radiation”:** The outward flow of energy from any source in the form of radio waves.

**“Radio and Telecommunications Terminal Equipment (RTTE)”:** Covers all telecommunications terminal equipment which connects directly to a public telecommunications network and all intentional emitters of electromagnetic radiation (radio waves).

**“Station”:** One or more transmitters or receivers or a combination of transmitters and receivers, including the accessory equipment, necessary at one location for carrying on a radio communication service.

**“Type Approval”:** The procedure by which the results of conformity assessment of a sample of a type of equipment are taken to be representative of the performance of all other samples of the same type, thus enabling the sale and/or use of all pieces of equipment conforming to that type.

## **CHAPTER 3. Role and Responsibility of the Importer, Manufacturer, and Service PROVIDERS**

### **Article 9. Importation / Manufacturing**

All importers of RTTE / Network Infrastructure Equipment into Lebanon and manufacturers of RTTE/Network Infrastructure equipment based in Lebanon must hold a current telecommunications Import/Manufacture License for the Class of RTTE / Network Infrastructure equipment, which they intend to import or manufacture. Classes of RTTE are defined in APPENDIX A.

### **Article 10. Conformity with the TRA specifications**

The importer or manufacturer is legally responsible for ensuring that any RTTE/Network Infrastructure equipment, which they import or manufacture, is in conformity with the technical specifications and/or recommendations established by TRA.

### **Article 11. Continuity of provisioning**

The importer or manufacturer is responsible for ensuring that any RTTE which they import or manufacture continues to be imported or manufactured in conformity with the Type Approval regime: any change in appearance, design, technical specification or performance of Type Approved RTTE will be subject to the Type Approval regulation (also see the sub-section on Maintenance of Type Approval).

### **Article 12. Rights of licensed importers of RTTE**

A Licensed importer or manufacturer may import, manufacture, distribute and offer for sale in the domestic market, without any restriction, all kind of RTTE that belong to the class of his license and that they were typed approved by the TRA.

### **Article 13. Importation of NIE by the Service Provider**

1. A Service Provider may import Network Equipment only for his own use. The SP is responsible for ensuring that any imported equipment is in compliance with the SP License.

### **Article 14. Importation of NIE by a licensed importer**

An importer holding an Import License for Network Infrastructure Equipment can only import Network Equipment on behalf of licensed SPs. The importer shall not sell the imported Network Equipment for other than the designated licensed SP.

### **Article 15. Import/Manufacture License**

- a. Only companies recorded in the commercial register in Lebanon are permitted to hold an Import/Manufacture License.
- b. Companies wishing to make an application for an Import/Manufacture License should complete and submit the relevant form to TRA together with the appropriate payment (a copy of the form is attached in Appendix B).

**Article 16. Import/Manufacture License applications**

The application should state whether an Import/Manufacture License is required for importation or manufacture of RTTE / Network Infrastructure equipment and also the Class or Classes of RTTE (see Appendix A) to be imported or manufactured. The Import/Manufacture License will be issued following review of the application by TRA and payment of the fees appropriate to the RTTE Class / Network Infrastructure equipment.

**Article 17. Retention of records**

The licensed importer or manufacturer should maintain and keep records of all RTTE / Network Infrastructure equipment imported or manufactured in accordance with the conditions of their Import/Manufacture License. Such records may be used or audited by TRA in carrying out market surveillance activities.

**Article 18. Renewal of Licenses**

Import/Manufacture Licenses must be renewed every 2 years in response to a renewal notice generated by TRA.

## **CHAPTER 4. RTTE TYPE APPROVAL SCHEMES**

### **Article 19. Classification of RTTE**

1. RTTE equipment is divided into classes according to the equipment overall level of interference, environmental/safety impact, complexity and effect on the network. Appendix A lists RTTE that falls under one of the following RTTE classes:
  - a. Class 0: Simple RTTE which requires minimum type approval requirements.
  - b. Class 1: Simple RTTE which operates in a confined environment mostly limited to the customer premises.
  - c. Class 2: RTTE equipment which is more sophisticated and operates in a wider range than Class 1.
  - d. Class 3: Advanced RTTE which could have a significant impact on the network, security, safety, and/or regulations.
2. The Base Station equipment such as GSM, UMTS and WiMax Base Stations, and Radio repeaters are addressed as NIE under Chapter 7.

### **Article 20. Approval templates**

TRA operates four Type Approval schemes: one scheme for each Class of RTTE. The Type Approval schemes are referred to as:

- a. Scheme 0; for Class 0 RTTE
- b. Scheme 1; for Class 1 RTTE
- c. Scheme 2; for Class 2 RTTE
- d. Scheme 3; for Class 3 RTTE

### **Article 21. General provisions for all schemes**

1. Each scheme is described in detail in the following sections, and is illustrated in the form of a flow chart in Figures 1a, 1b and 1c, the overall RTTE Type Approval process is shown in Figure 2.
2. Where RTTE supports a number of interfaces such that it could be classified into more than one Class, the Class applied shall be the highest Class. For example, if the RTTE supports Class 1 and 2 interfaces, then the Class 2 Type Approval scheme shall apply for the whole RTTE.
3. In the case of RTTE with a radio interface, the Type Approval certificate issued by TRA will indicate, as a condition of approval, that the use of the RTTE is subject to the award of a License to use the radio spectrum.
4. For each Type Approval Scheme, the importer or manufacturer shall compile a Technical Compliance Folder (TCF), which includes the following documentation:
  - a. Certified Copy of Import/Manufacture License granted by TRA is required.

- b. a detailed description and specification of the functions and features offered by the RTTE including operating frequency and maximum EIRP for radio communication equipment;
- c. a description of the intended use of the RTTE;
- d. drawings and schematics showing key components of the telecommunications interface(s) (either wired or wireless), plus details of the antenna employed by wireless RTTE;
- e. descriptions and explanations necessary for the understanding of said drawings and schemes and the operation of the RTTE;
- f. colored photographs of the external and internal parts of the RTTE – external photographs shall clearly enable the product to be identified, internal photos should clearly show those parts of the RTTE which are concerned with compliance with TRA specifications;
- g. a list of the TRA specifications with which the RTTE is designed to comply;
- h. third party test reports proving RTTE compliance with these specifications; See Article 37Article 37.

**Article 22. Scheme 0** (see APPENDIX E– Figure 1a).

1. Scheme 0 is applicable only to RTTE classified as Class 0.
2. The importer or manufacturer shall prepare a Declaration of Conformity (DoC) with the applicable TRA specifications. See Appendix B for the format of the Declaration of Conformity. The TCF and DoC shall be safely stored by the importer/manufacturer at an address in Lebanon.
3. TRA Type Approval label applicable for Class 0 products shall be applied to the RTTE as described in this document.
4. Upon completion of the above, RTTE manufactured outside of Lebanon may now be imported into Lebanon and RTTE manufactured in Lebanon may now be offered for sale in Lebanon.
5. Should a series of RTTE use the same telecommunications interface and differ only in ways, which do not affect compliance with the applicable TRA specifications, then such RTTE can be included in a single TCF and DoC, so long as each RTTE is clearly and uniquely identified in the TCF and DoC.
6. The TCF must be kept fully up to date to reflect changes to the product and must include information which proves that compliance with TRA requirements has been maintained. The TCF should contain an index and all information contained should be clear and unambiguous .
7. The TCF and DoC may be inspected at any time by TRA and should be kept for a minimum period of 5 years after the last RTTE has been imported or manufactured.
8. The TCF must clearly demonstrate the compliance of the RTTE with the applicable TRA specifications and enable the compliance to be assessed. In particular, it must cover the design, manufacture and operation of the RTTE.

9. The importer or manufacturer must keep the original DoC with the TCF.
10. The importer must ensure that all RTTE supplied is in conformity with the TRA requirements referenced in the TCF and DoC. In the event that the RTTE is manufactured in Lebanon, then it shall be the responsibility of the manufacturer to ensure that all RTTE supplied is in conformity with the TRA requirements referenced in the TCF and DoC.

Figure 1a shows a flowchart for the Type approval process for Class 0 RTTE.

Note that neither a Type Approval application nor a payment is required for Scheme 0.

**Article 23. Scheme 1** (See APPENDIX E – Figure 1b).

1. Scheme 1 is applicable only to RTTE classified as Class 1.
2. The TCF shall be safely stored by the importer/manufacturer at an address in Lebanon.
3. The importer or manufacturer shall prepare a Declaration of Conformity (DoC) with the applicable TRA specifications (see Appendix B for the format of the Declaration of Conformity) and submit this, together with the test report (as included in the TCF,) a completed Type Approval application form (see Appendix B for the format of the application form) and payment to TRA for assessment.
4. TRA will issue a Type Approval Certificate following a successful outcome of the assessment of the application form and DoC.
5. The TRA Type Approval label applicable for Class 1 product shall be applied to the RTTE as described in this document.
6. Upon completion of the above, RTTE manufactured outside of Lebanon may now be imported into Lebanon and RTTE manufactured in Lebanon may now be offered for sale in Lebanon.
7. Should TRA not grant approval, the applicant will be informed of the reasons for the decision. The applicant may address the non-compliance and is free to submit a new application for Type Approval.
8. Should the approved RTTE be modified the importer must update the TCF and update and submit the DoC to TRA. TRA will then confirm the approval, or otherwise, of the new version of the RTTE.
9. Should a series of RTTE use the same telecommunications interface and differ only in ways which do not affect compliance with the applicable TRA specifications, then such RTTE can be included in a single TCF and DoC, so long as each RTTE is clearly and uniquely identified in the TCF and DoC.
10. The TCF must be kept fully up to date to reflect changes to the product and must include information which proves that compliance with TRA requirements has been maintained. The TCF should contain an index and all information contained should be clear and unambiguous. The TCF may be inspected at any time by TRA and should be kept for a minimum period of 5 years after the last RTTE of this type has been imported or

manufactured. The TCF must clearly demonstrate the compliance of the RTTE with the requirements of the applicable TRA specifications and enable the compliance to be assessed. In particular, it must cover the design, manufacture and operation of the RTTE:

11. The importer must ensure that all necessary measures are taken by the manufacturer in order to ensure continued compliance of the manufactured products with the TRA requirements referenced in the TCF and DoC. All necessary measures shall be taken by a Lebanese manufacturer in order to ensure continued compliance of the manufactured products with the TRA requirements referenced in the TCF and DoC.

Figure 1b shows a flowchart for the Type approval process for Class 1 RTTE.

12. Note that a Type Approval application and payment are required for Scheme 1.

**Article 24. Scheme 2** (See APPENDIX EE – Figure 1c).

1. Scheme 2 is applicable only to RTTE classified as Class 2.
2. The importer or manufacturer shall prepare a Declaration of Conformity (DoC) with the applicable TRA specifications (see Appendix B for the format of the Declaration of Conformity) and submit this, together with a completed Type Approval application form (see Appendix B for the format of the application form), payment and the TCF to TRA for assessment.
3. TRA will issue a Type Approval Certificate following a successful outcome of the assessment of the application form, DoC and TCF.
4. The TRA Type Approval label applicable for Class 2 products shall be applied to the RTTE as described in this document.
5. Upon completion of the above, RTTE manufactured outside of Lebanon may now be imported into Lebanon and RTTE manufactured in Lebanon may now be offered for sale in Lebanon.
6. Should TRA not grant approval, the applicant will be informed of the reasons for the decision; the applicant may address the non-compliance and is free to submit a new application for Type Approval. Should a series of RTTE use the same telecommunications interface and differ only in ways which do not affect compliance with the applicable TRA specifications, then such RTTE can be included in a single TCF and DoC, so long as each RTTE is clearly and uniquely identified in the TCF and DoC.
7. The TCF must clearly demonstrate the compliance of the RTTE with the requirements of the applicable TRA specifications and enable the compliance to be assessed. In particular, it must cover the design, manufacture and operation of the RTTE.
8. Should the approved RTTE be modified in any way which affects the descriptions of the product as presented in the submitted TCF, then the importer or manufacturer must submit an updated TCF and DoC to TRA

for assessment. TRA will then confirm the approval, or otherwise, of the new version of the RTTE.

9. The importer must ensure that all necessary measures are taken by the manufacturer in order to ensure continued compliance of the manufactured products with the TRA requirements referenced in the TCF and DoC. All necessary measures shall be taken by a Lebanese manufacturer in order to ensure continued compliance of the manufactured products with the TRA requirements referenced in the TCF and DoC.
10. Figure 1c shows a flowchart for the Type approval process for Class 2 RTTE. Note that in addition to the required Type Approval application and payment for Scheme 2, the TCF should also be submitted to the TRA.

**Article 25. Scheme 3** (See APPENDIX EE – Figure 1c).

1. Scheme 3 is applicable only to RTTE classified as Class 3.
2. The Type Approval process for Class 3 RTTE is identical to the scheme applied to Class 2 RTTE. However, Type Approval of a Class 3 RTTE involves a number of additional obligations placed on the Type Approval holder (licensed manufacturer or importer) and may include restrictions placed on the use of the RTTE.
3. The additional obligations placed on the Type Approval holder may include at least the requirement for the Type Approval holder to maintain accurate records of the following:
  - i. The name and address of the purchaser of the RTTE; and
  - ii. The place of installation of the RTTE.
4. Already approved RTTE Class 3 can be imported/manufactured within the Certificate validity period provided that the TRA is informed of “i” and “ii” above) in each instance.
5. Restrictions placed on the use of the RTTE will include those which TRA considers necessary to ensure compliance with the prevailing regulatory environment. Obligations and restrictions will be clearly recorded in the Type Approval documentation and will be enforced by TRA through the process of surveillance.

**Article 26. Overall RTTE Type Approval Process**

Figure 2 shows the overall RTTE Type Approval Process. TRA is considering automating parts of the Type approval process and may allow electronic filing and storage of certain parts of the required applications and TCF. TRA will issue the appropriate notification in due time.

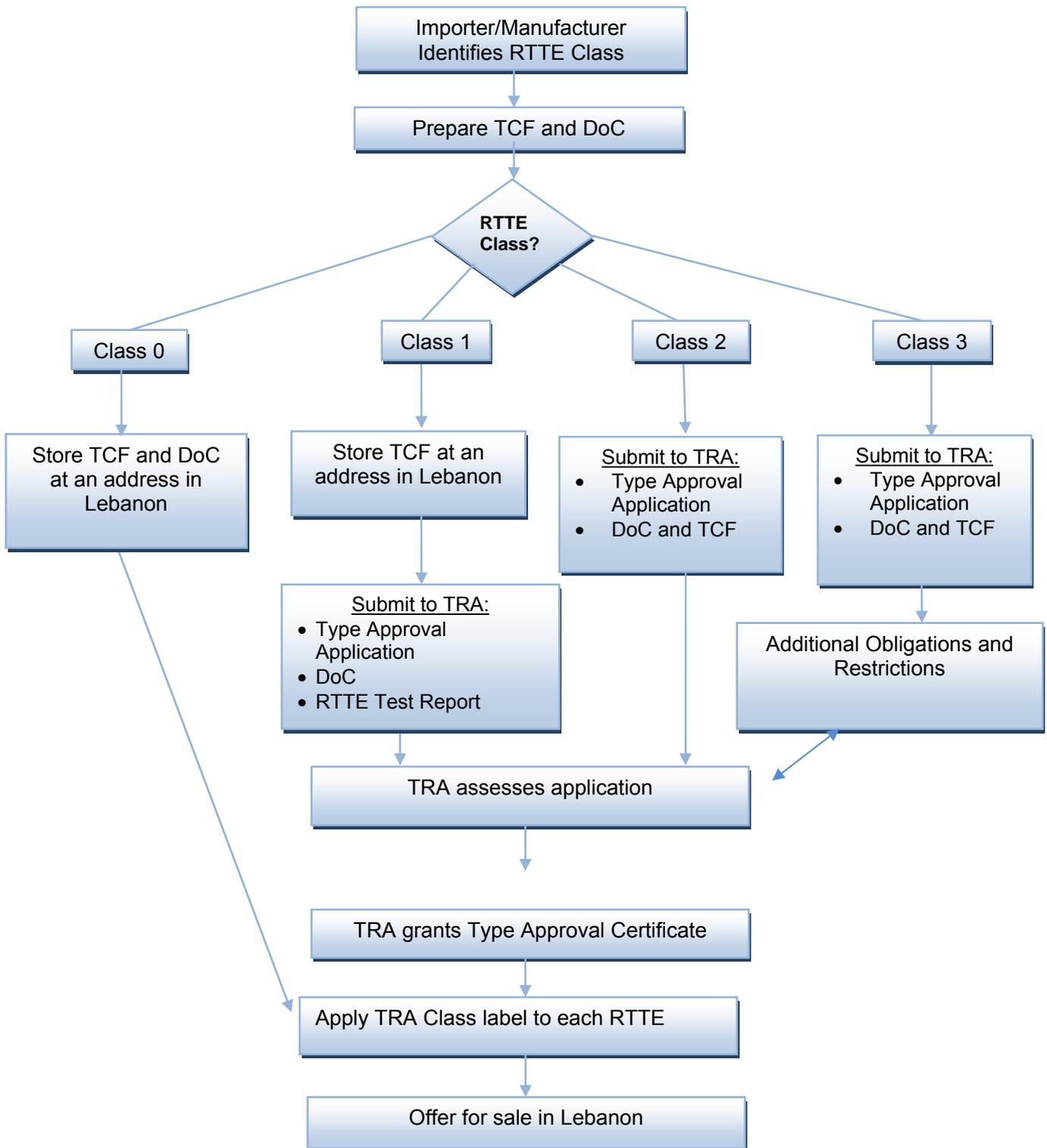


Figure 2: Overall RTTE Type Approval Process

## CHAPTER 5. TYPE APPROVAL CERTIFICATE

### Article 27. Terms and Conditions for granting Type Approval certificate

1. A Type Approval Certificate will be issued to an applicant upon successful Type Approval of a particular make and model of equipment.
2. The applicant shall also commit to conform to the following terms:
  - a. Accept responsibility to discontinue importation and sale, and replace all the equipment already on the market in case of defects in the equipment resulting in unacceptable performance due to non-compliance to the TRA Technical specification.
  - b. Conform to any additional regulations issued by TRA.
  - c. Compliance with TRA Specifications.
  - d. copy of the RTTE user guide in either the Arabic, French or English language;
  - e. detailed post-sales support program and commitment; and
  - f. Results of design calculations made, examinations carried out, etc.

### Article 28. Compliance with TRA Specifications and test reports

1. As stated in this Regulation document, test reports which clearly and unambiguously demonstrate compliance with applicable TRA specifications must be included in a TCF.

Test reports which demonstrate compliance with international standards which provide the technical requirements of the TRA specifications can equally be used to demonstrate compliance, so long as the relationship between the international standards and the TRA specifications is demonstrated clearly and unambiguously.

2. TRA will recognize results of testing performed by a laboratory whose accreditation includes the type of RTTE which has been tested and where the laboratory is (at least one of the following):
  - a. Accredited by a national accreditation agency or a national government body
  - b. ISO17025<sup>1</sup> accredited by an national or international accreditation body; or
  - c. A membership of the International Laboratory Accreditation Cooperation (ILAC) (<http://www.ilac.org>)

Proof of accreditation should be included with the test report(s), either as an integral part of the report, or separately. ILAC members can be contacted in order to identify a laboratory suitable for testing a particular type of RTTE.

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<sup>1</sup> ISO/IEC 17025: General requirements for the competence of testing and calibration laboratories

### **Article 29. Maintenance of Type Approval**

1. Type Approval holders are required to ensure that all RTTE of a given type imported into, or offered for sale in Lebanon is identical to the type described in the TCF and DoC. This requirement applies equally to the physical appearance of the product as well as to the compliance of the RTTE with TRA specifications.
2. Any changes to approved RTTE must be captured in an update to the TCF and the preparation of a new DoC. If the TCF and/or DoC are held by TRA (in cases of Scheme 2 and 3), then the updated TCF and/or new DoC must be submitted to TRA for assessment. The updated documentation must demonstrate continued compliance of the RTTE with the applicable TRA specifications. Test reports have to be provided. Following assessment of the new TCF and/or DoC, TRA will inform the approval holder of its decision on the Type Approval status of the RTTE. In the event that the changes notified to TRA affect the compliance with TRA specifications, then TRA will issue updated Type Approval documentation.
3. No changed RTTE may be imported into, or offered for sale in Lebanon, until TRA has notified the Type Approval holder within 2 months of the positive outcome of its assessment.

### **Article 30. Renewal of Type Approval**

1. Type Approvals for Class 0 RTTE shall remain valid for as long as the TCF and DoC are maintained. Type Approvals for Class 1, 2 and 3 RTTE shall be valid for a period of two (2) years.
2. Within 45 days prior to the expiration of the Type Approval certificate to a Class 1, 2 or 3 RTTE, TRA will send the approval holder a renewal notice. The approval holder shall make the appropriate payment before the due date in order to renew the approval for a further two (2) years.
3. Failure to make the renewal payment by the due date will result in the cancellation of the Type Approval.

### **Article 31. Cancellation of Type Approval**

1. The Type Approval holder may cancel the Type Approval of a Class 1, 2 or 3 RTTE by sending a written notification to TRA. TRA will provide written confirmation that a Type Approval has been cancelled.
2. Once the Type Approval has been cancelled, it will no longer be permissible to either import or offer for sale in Lebanon the type of RTTE for which the Type Approval was cancelled. Class 0 RTTE is not subject to notification of cancellation to TRA. Never the less, the requirement that the TCF and DoC must be kept available for a period of 5 years after the RTTE has been withdrawn from sale remains valid.
3. TRA reserves the right to cancel a Type Approval (including that for a Class 0 RTTE) in the event that the approval holder repeatedly fails to honor its obligations under the TRA Type Approval regime documented herein or fails to honor any obligations recorded in the Type Approval documentation issued for the RTTE in question.

#### **Article 32. Surveillance of RTTE**

1. TRA will inspect RTTE to verify compliance with the TRA Type Approval regime. The selection of RTTE for inspection will essentially be a random process. However, if it appears that a particular importer or manufacturer has breached repeatedly the Type Approval regime, then TRA may opt to inspect RTTE more frequently than would occur under a random process.  
TRA may perform an inspection at any time, whether as a result of a complaint, a report of interference, inappropriate advertising or any other reason that, in TRA's opinion, would warrant invoking the surveillance process.
2. The approval holder shall make available to TRA a representative sample of RTTE for inspection at no cost; this sample will be returned to the holder at the end of the inspection. In the case of RTTE readily available from stock, a representative sample shall be made available to TRA within 10 working days of a written request. Should a sample not be available, the approval holder shall write to TRA within 10 working days of receipt of the request, to confirm a date on which a sample will be made available to TRA for inspection. In the case of RTTE which is only supplied in response to a customer order, the approval holder shall write to TRA to confirm when a sample of such RTTE

will be made available. In the event that no date can be determined, or in the event that TRA considers the date offered to be unacceptable, then TRA may inspect the most recent installation of a given RTTE.

TRA reserves the right to be notified of the arrival of the new samples of such RTTE in order to inspect a sample, which is representative of current manufacturing process, when it becomes available.

3. When inspecting RTTE approved under Scheme 0 or Scheme 1, TRA will require the approval holder to make available the TCF (and DoC in the case of Scheme 0) for inspection within 10 working days of a written request from TRA. For all other RTTE, TRA - holder of the TCF and DoC - will make these documents available.
4. TRA will carry out a visual comparison of the sample of the RTTE with the TCF and DoC. In the event that the inspection is completed without TRA identifying any problems, the RTTE can continue to be imported and made available for sale in Lebanon.

Should TRA identify a difference between the sample and the TCF or DoC which, in TRA's opinion, would not affect the compliance of the RTTE with the applicable TRA specifications, then TRA shall agree with the approval holder a period of time in which the documentation should be rectified and submitted with the sample to TRA for re-inspection. The RTTE can continue to be imported and made available for sale in Lebanon during this period.

5. Should the approval holder fail to provide to TRA corrected documentation and the RTTE sample within the agreed timescale, TRA will invoke the Type Approval cancellation procedure.
6. Where a check is inconclusive or unsatisfactory, TRA will request additional information from the approval holder.
7. TRA reserves the right to request the approval holder to provide a new test report for a currently manufactured sample of RTTE.
8. TRA reserves the right to stipulate the test laboratory at which the testing shall be performed and the TRA specification against which testing shall be carried out. The approval holder will be responsible for all costs incurred as a result of this testing.
9. In the event that equipment is found to be non compliant with the TRA Type Approval regime, TRA may impose penalties which it believes are appropriate to the level of the non-compliance identified according to paragraphs 3 and 4 of article 41 of the Telecommunications Law.

10. RTTE found to be non compliant with the Type Approval regime may not be imported into, or offered for sale in, in Lebanon.

## CHAPTER 6. MARKING REQUIREMENTS

### Article 33. TRA conformity Logo

1. RTTE offered for sale in Lebanon shall be marked (directly on the RTTE and on the packaging) with the TRA Type Approval label. The only permissible exceptions are where the RTTE is too small for the label to be applied where its dimensions and form make it impossible to apply the label.
2. Where the label cannot be applied to the RTTE it shall be applied to the user guide accompanying the RTTE.
3. The Type Approval label to be applied to RTTE approved under Scheme 0 shall display the TRA logo and the Import/Manufacture license number. The format shall be either of the following:



or



**04-3456**

**04-3456**

4. The Type Approval label to be applied to RTTE approved under Schemes 1, 2 and 3 shall display the TRA logo and the unique approval number issued by TRA. The format shall be:



**04/12-1234**

**04/12-1234**

or

5. The Type approval label shall be durable and recognizable. The approval number/Import/Manufacture license number shall be no less than 3 mm in height. When the label is applied to the packaging of equipment, the minimum heights specified above shall be at least doubled.
6. The Type Approval label shall not be used as a mark of product quality or in marketing campaigns.

## CHAPTER 7. NETWORK INFRASTRUCTURE EQUIPMENT APPROVAL PROCEDURE

Figure 3 shows the overall Network Infrastructure Equipment (NIE) Approval Process.

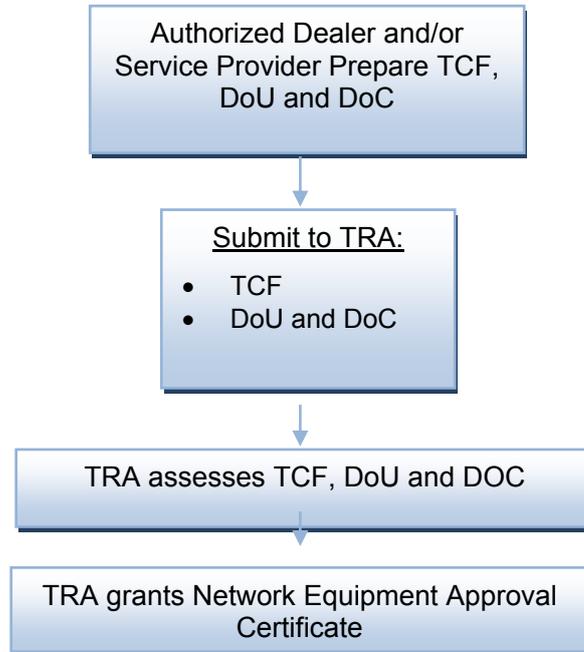


Figure 3: The overall NIE Approval Process

### Article 34. Terms and Conditions for Type approving the NIE

The Service Provider, in coordination with an Authorized Dealer having a network equipment Import/Manufacture license if applicable, shall compile a Technical Compliance Folder (TCF), which includes the following documents:

- a. Certified Copy of SP License granted by TRA.
- b. Certified Copy of Import/Manufacture License granted by the TRA if an authorized dealer is involved.
- c. List of the Network Equipment to be ordered or imported.
- d. The technical specification of each Network Equipment type to be imported and interfaces as specified by the TRA. The SP shall clearly indicate the technical specifications and/recommendations with which each of the equipment is designed to comply.
- e. A list of potential installation site(s) of the network equipment. NIE imported for network expansion or as spare and NIE returned after repair should be listed as a "Reserved Site". The SP should update the TCF with the list of installation site(s) before installing and using such equipment.

### **Article 35. Applying for NIE Type Approval**

1. This list of Network Equipment in the TCF should comply with the authorized services as per SP license.
2. The list of specifications shall comply with the list of specifications and/or recommendations for Network Equipment specified by the TRA.
3. A Declaration of Use (DoU) of the Network Equipment to be imported shall be completed by both the SP and the importer (if any). Appendix C shows the Declaration of Use form.
4. The SP shall prepare a Declaration of Conformity (DoC) of all the Network Equipment to be imported with the indicated specifications/recommendations. Appendix C shows the Declaration of Conformity form for NIE.
5. The Service provider and the authorized dealer (if any) shall submit the DoU together with the DoC, the TCF, and applicable fees to TRA for assessment.
6. Restrictions placed on the use of the Network Equipments will include those which TRA considers necessary to ensure compliance with the prevailing regulatory environment.
7. TRA shall levy charges for the assessment of the TCF, DoU and DoC for granting Network Equipment Approval Certificate, and for the renewal of the existing certificate as it is mentioned in the schedule of fees described in chapter 8 of this regulation
8. TRA will issue within 45 days a Network Approval Certificate, valid for 2 years, following a successful outcome of the assessment of TCF. Appendix B shows the certificate form.
9. Service Providers shall be allowed to import already approved NIE within the Network Equipment Approval Certificate validity period provided that the TRA is informed of the installation site(s) of the said equipment.
10. NIE Approval Certificate can be renewed within 45 days prior to the Certificate expiration date after the payment of applicable renewal fee documented in Chapter 8 according to the schedule of fees as described in chapter 8 of this regulation.

## CHAPTER 8. APPLICABLE CHARGES

### Article 36. General Provisions

1. TRA shall levy charges for the award of Import/Manufacture Licenses and for the assessment of new applications for RTTE Type Approval and NIE Approval and renewal of existing Type approvals/Network Approvals as it is mentioned in the schedule of fees described in chapter 8 of this regulation.
2. The fees payable are documented in the Schedule of Fees attached to this regulation where the TRA determines the Import/Manufacture License & Type Approval/Network Approval Charges.
3. Proof of payment for an application for an Import/Manufacture license or for RTTE Type Approval / NIE Approval must be provided with the application.
4. Charges for the renewal of an Import/Manufacture License, Type Approval or Network Approval must be paid in accordance with instructions accompanying the renewal notice issued by TRA.
5. Import/Manufacture License and RTTE Type Approvals Charges

### Article 37. RTTE Approval Charges

The following table lists Charges to be levied by TRA for services associated with Import/Manufacture License and Type Approval of RTTE in Lebanon:

Service	Charge, LBP
Registration of Importer or Manufacturer for RTTE Class 0	750,000
Registration of Importer or Manufacturer for RTTE Class 1	1,200,000
Registration of Importer or Manufacturer for RTTE Class 2	1,500,000
Registration of Importer or Manufacturer for RTTE Class 3	2,200,000
Registration of Importer or Manufacturer for Network Infrastructure Equipment	37,500,000
Application for Type Approval: Scheme 1	540,000
Application for Type Approval: Scheme 2	900,000
Application for Type Approval: Scheme 3	1,450,000
Renewal of Import/Manufacture License	300,000
Renewal of RTTE Type Approval	300,000

**Article 38. Service Provider Network Equipment Approval Charges**

The following table lists Charges to be levied by TRA from the Authorized Dealers/Service Providers for Network Equipment Approval Certificate in Lebanon:

<b>Service</b>	<b>Charge, LBP</b>
Application for Network Equipment Approval Certificate	4.5/1000 per NIE Type
Renewal of Network Equipment Certificate	3/1000 per NIE Type

## **CHAPTER 9. TRANSITION ARRANGEMENTS**

### **Article 39. MoT Role**

The Ministry of Telecommunications 'MoT' shall, during the period starting from the date of publication of this Regulation in the Official Gazette until July 01, 2009, provide the TRA with a copy of all Import requests (including import licenses requests, customs manifests, etc.) that are currently under processing by the MoT and related to the provisioning of Telecommunications Equipments in the Local market. The TRA may provide its opinion including comments and objections to a given request within seven days from the notification by MoT, and the MoT shall comply with the TRA opinion when issuing the final decision on the given request.

### **Article 40. Licensing starting date**

As of July 01, 2009, the TRA will start issuing the Importation/Manufacturer licenses and the Type Approval certificates as specified in this Regulation.

### **Article 41. Cancellation of all previous Licenses**

All Importation/Manufacturer licenses that were granted prior to the date of July 01, 2009 by the MoT under the Decree 3033/1992 are deemed to be cancelled and require reissuance by the TRA under this Regulation as published in the official Gazette.

### **Article 42. License substitution**

During the transition period, starting from July 01, 2009 and ending on December 31, 2009, all Import / Manufacturer licensees that were granted Import Licenses by the MoT prior to July 01, 2009 under the Decree 3033/1992, shall transfer their Licenses under the new Type Approval Regulation regime by submitting new license requests before the TRA. Accordingly, all Import licenses previously issued by the MoT prior to July 01, 2009 shall be re-issued, by the TRA for the same validity period, without any fee, except where, according to provisions set in this Regulation, the TRA find that the Import/Manufacture License does not meet the conditions specified in this Regulation

## **CHAPTER 10. LIST OF ABBREVIATIONS**

### **Article 43.** Abbreviation meanings

Unless otherwise specified in the text, the words used in this regulation have the following meanings:

DoC Declaration of Conformity

DoU Declaration of Use

SP Service Provider

ILAC International Laboratory Accreditation Cooperation

ISO/IEC International Organization for Standardization / International Electro-technical Commission

NIE Network Infrastructure Equipment

RTTE Radio and Telecommunications Terminal Equipment

TCF Technical Compliance Folder

TRA Telecommunications Regulatory Authority

### **Article 44.**

This Regulation will be published and entered into force upon its publication on the Official Gazette.

**Beirut on the 18<sup>th</sup> of march 2009**

**Chairman of the Telecommunications Regulatory Authority**

**Dr. Kamal Shehadi**

## APPENDIX A. CLASSIFICATION OF RTTE

Where RTTE fits into more than one Class (for example where the RTTE has more than one interface), the whole RTTE shall be classified under the higher Class.

Class 0	Class 1	Class 2	Class 3
GSM handsets	Single line equipment directly connecting to analogue PSTN services	Analogue Cordless Telephones	Pay telephones
Bluetooth ( <i>Bluetooth Class 2 and 3</i> )	Single line telephones	Digital Cordless phones (not 900MHz or 1800MHz)	PBX and Key systems
Radio Hearing Aids	Fax machines	Inductive Radio Applications	TE offering direct connection to SDH relay services
	Analogue modems	Radio Microphones	All switching equipment which offer direct connection to 2 and 4 Wire analogue LL services
	Answering machines	Remote Telemetry	VoIP products (IP Telephony) irrespective of the interface offered.
	Subscriber meters	Commercial Amateur Radio	TTE offering direct connection to PRI services.
	Adjuncts and telephones offering analogue CLI	Non-Specific SRD (ISM and country specific bands)	TTE offering direct connection to E1 or other G.703 interface
	PSTN connected security alarms	Detection of Movement	HDSL Modem (subscriber)
	ADSL Modems	Short range Radio Telemetry	Analogue PMR (trunked and non-trunked systems)
	Model Control <sup>2</sup> (Radio)	Wireless Audio Applications	Digital PMR
	Wi-Fi/RLAN/HiperLAN/ (indoor use only)	Broadband Wireless Access	Short Range Radio (Family Radio)
	Bluetooth ( <i>Bluetooth Class1</i> )	Citizens' Band <sup>3</sup>	Mobile Satellite Service (MSS) 1 GHz
	DECT <sup>4</sup> (1880- 1900MHz)	Pager Base station and Terminal Equipment	Mobile Satellite Service (MSS) 1-3 GHz
	ISDN basic rate		V-SAT
			Fixed Links

<sup>2</sup> A short range remote control used to control the motion of toy cars, planes, etc.

<sup>3</sup> A radio-frequency band officially allocated for private radio communications.

<sup>4</sup> **Digital Enhanced Cordless Telecommunications:** A cordless phone standard widely used in Europe. Based on TDMA and the 1.8 and 1.9GHz bands, it uses Dynamic Channel Selection/Dynamic Channel Allocation (DCS/DCA) to enable multiple DECT users to coexist on the same frequency

			Wireless Local Loop transceivers
			Road Transport Telematics
			UMTS Handsets
			WiMax Handsets
			Mobile Earth Stations
			Fixed Earth Stations
			Audio Broadcasting Equipment
			Video Broadcasting Equipment
			TE offering direct connection to X.21/V.35 services
			TE offering direct connection to X.25 services
			TE offering direct connection to Frame relay services
			TTE offering direct connection to BRI services, customer provided NT1 / NT2 equipment
			TTE offering direct connection to BRI services Including Terminal Adaptors
			TTE offering direct connection to N*64Kbs services

## **APPENDIX B. APPLICATIONS FORMS & DECLARATION OF CONFORMITY FOR RTTE**

Application form for RTTE Import/Manufacture License

Application form for RTTE Type Approval

Model Declaration of Conformity



## Application for Import Or Manufacture License

<b>Name of the Applicant:</b>	<b>Address in Lebanon where compliance documentation will be kept</b> (if different to Business Address)
<b>Lebanese Company Registration No:</b>	
<b>Business Address:</b>	
<b>Postcode:</b>	<b>Postcode</b>
	<b>Contact Information</b> Tel. office: Tel. mobile: Fax: Email:

Type of Import/Manufacture license required	Importer/Authorized Dealer			Manufacturer			
<b>RTTE Class of license required or License for Network Infrastructure Equipment (NIE)</b>	Class 0	Class 1	Class 2	Class 3	NIE		
<b>Please list all types of products to be manufactured or imported</b> e.g. analogue modem, GSM handsets etc..							

I hereby apply for an Import/Manufacture license for telecommunication equipment. I agree that TRA may make checks to confirm my identity and that I will:

- i) Abide by the conditions of the Telecommunication Law and Type Approval Regulation;
- ii) Indemnify TRA, its officers, employees and agents against all liabilities arising from or relating to any product imported by me or resulting from fraudulent use of my i Import/Manufacture license number and type approvals based upon this number.

I declare that the information given in this application is correct and that I have the legal authority to sign on behalf of the applicant

<b>Print name</b>	<b>Signature on behalf of the registered company</b>
<b>Position in the registered company</b>	
<b>Date</b>	

**Notes:**

- 1) TRA means the Telecommunication Regulatory Authority of Lebanon.
- 2) The definitions set out in the Type Approvals Regulation apply.
- 3) Each supplier has his own unique Import/Manufacture License number and need apply for this only once provided that the license is renewed in accordance with TRA Type Approval Regulation.
- 4) A non-refundable fee is payable for each license application made.
- 5) A non-refundable fee is payable on renewal of each license.
- 6) It is necessary to renew the Import/Manufacture Licenses every 2 years, before the anniversary of the license issue date.



**APPLICATION FORM FOR TYPE APPROVAL**

**A. APPLICANT PARTICULARS**

Import/Manufacture License No.	Applicant Name/ Company Name: <small>(as written on TRA Import/Manufacture License)</small>		
Import/Manufacture License Class	Company Address:		
Title/Position:		Contact Person: <small>(must be the License Holder or a representative of the License Holder).</small>	
E-mail:	Fax:	Tel:	

**B. DETAILS OF RADIO AND TELECOMMUNICATION TERMINAL EQUIPMENT**

Equipment Type: -----

Brand Name : ----- Trade Name (If any) : -----

Model No. : ----- Year of Manufacturing : -----

Name of Manufacturer : -----

Address of Manufacturer : -----

The purpose for which Type Approval is being requested

Equipment to be marketed in Lebanon

Equipment to be used by Applicant

The purpose(s) for using the equipment:

-----

-----

Please identify all telecom networks to which connection is intended:

-----

**C. ADDITIONAL DETAILS FOR RADIO EQUIPMENT**

RF Channel Spacing: ----- Type of Modulation: -----

RF Output Impedance: ----- [Software] Version: -----

RF Output Power: -----[Transmitter Power/E.R.P/E.I.R.P]

Operating Frequency range (switching range without retuning)

a. Transmit: -----MHz to -----MHz Receive: -----MHz to -----MHz

b. Transmit: -----MHz to -----MHz Receive: -----MHz to ----- MHz

....

**D. RELATED PRODUCTS**

If you are applying for type approval of an equipment similar to one for which you already hold a type approval:

Type approval number: -----

Explain the relationship between the equipment above and the existing type approval:

-----  
-----

If you are applying for type approval of an OEM or brand name equipment for which you already hold a type approval:

Type approval number:-----

Explain the relationship between the product above and the existing type approval

-----  
-----

**E. TEST REPORTS**

Any test report issued:  Yes  No

**If yes:**

Test Laboratory: ..... Reference No.:  
.....

Name of test body: ..... Date of test: .....

Name of evaluation standards / specifications in use:  
.....

**F. DECLARATION**

1. I hereby declare that the information and document given in this application form is true and correct.
2. I hereby confirm that the submitted sample is representative of the equipment as stated in this application form.
3. I agree to collect the submitted sample within three months from the date of notification of the evaluation result. If I do not collect the submitted sample within such period of time, I agree that the Telecommunications Regulatory Authority may dispose of the submitted sample in whatever manner it considers appropriate.
4. I agree to comply with any terms, conditions or restrictions which the Telecommunications Regulatory Authority may impose and to be bound by the laws and regulations in force.

**Company's Stamp**

**Applicant's Signature:** .....

**Signatory's Name:** .....

**Position Held:** .....

**Place & Date:** .....

### G. FOR INTERNAL USE

Special comments: .....

.....

.....

Date approved: .....

Signature: .....

Licensing  
Regulatory Authority)

For Director of  
(Telecommunication

### H. CHECKLIST FOR DOCUMENTATION TO BE PROVIDED WITH THIS APPLICATION:

- Payment of fees or proof that payment has been made (Please note that a separate fee is payable for each separate approval application)
- Declaration of Conformity
  - TCF comprising (*not required for Class 1 Equipment*)
    - Photographs of the external and internal features of the RTTE;
    - A description of the intended use of the RTTE;
    - A detailed description of the functions and features offered by the RTTE;
    - Descriptions and explanations necessary for the understanding of said drawings, schemes and operation of the RTTE;
    - A list of the TRA specifications with which the RTTE is designed to comply;
    - Test reports from suitably accredited laboratories proving RTTE compliance with these specifications;
    - Copy of the RTTE user guide in either the Arabic, French or English language;
    - Drawings and schematics showing key components, the wired and/or wireless interfaces of the RTTE;
    - Details of antenna for radio equipment.



# Declaration of Conformity

I / We (name of manufacturer/importer)----- Import/Manufacture License  
Number: -----

(Address including postcode)-----

**Declare under my/our sole responsibility that the equipment(s):**

*(product description including brand name, type or model and any supplementary information such as lot, batch or serial number identification)*

-----  
-----  
-----

To which this declaration relates, is/are in conformity with the following TRA Specifications, the Regulation for Type Approval and will be used in accordance with the Telecommunications Law N° 431.

-----  
-----  
-----

and that I / we have examined the technical basis for this declaration which is based on test reports and certificates issued by

-----  
-----  
-----

Name: -----

Signature: -----

## **APPENDIX C. DECLARATION FORMS FOR NETWORK EQUIPMENT**

Model Declaration of Use of Network Equipments

Model Declaration of conformity of Network equipments



Republic of Lebanon  
Telecommunications  
Regulatory Authority

## DECLARATION OF USE

### 1. Service Provider Declaration

I (Name of the service provider) ----- SP License No. -----  
(address including postcode) -----

**Hereby declare to be the end user of the equipments listed below,**

Imported by (Name of the importer or SP) -----

Importation license No. ----- (Only if the importer is not the SP)

Contract No. ----- Contract date -----

Equipment	Type	Quantity
-----	-----	-----
-----	-----	-----
-----	-----	-----
-----	-----	-----
-----	-----	-----
-----	-----	-----

**And I declare under my sole responsibility that the equipment(s) is/are in conformity with the list of equipments allowable by the SP license and will only be used by (name of SP/Company) -----  
----- in accordance with the Telecommunication law N° 431.**

**Upon request by the TRA we undertake to confirm receipt of the equipment listed above.**

Date -----

(Stamp of the company)

Signature of the SP -----

**2. Importer Declaration** *(if the importer is not the SP)*

I *(name of the importer)* ----- Import/Manufacture License No. -----

of *(address including postcode)* -----

Declare under my sole responsibility that the equipment(s) listed above are imported to be used by the Service Provider *(name of SP)* ----- And that these equipments will neither be used nor sold in Lebanon to another Service Provider

Date -----

Signature of the Importer-----



## Declaration of Conformity (For Network Equipment)

I (name of Service Provider)----- SP License No. -----

of (address including postcode)-----

and

I (name of Importer/authorized Dealer)----- Import/Manufacture License No. -----

of (address including postcode)-----

**Declare under our sole responsibility that the equipment(s):**

-----  
-----  
-----

To which this declaration relates, is/are in conformity with the List of Specifications indicated in the TCF and the following list of recommendations for network equipments specified by TRA and will be used in accordance with the Telecommunications Law N<sup>o</sup> 431.

-----  
-----  
-----

and that we have examined the technical basis for this declaration which is based on test reports and certificates issued by

-----  
-----  
-----

Service Provider: ----- Importer/Authorized Dealer: -----

Date: ----- Date: -----

Signature: ----- Signature: -----

## **APPENDIX D. CERTIFICATE FORMS FOR IMPORT/MANUFACTURE LICENSE, RTTE AND NETWORK EQUIPMENT**

Import / Manufacture License

RTTE Approval Certificate

Network Approval Certificate



Republic of Lebanon  
Telecommunications  
Regulatory Authority

License number: -----

**License for ----- of Telecommunication Equipment**  
*(Import or Manufacture)*

***This license is issued to***

-----  
*(Applicant)*

-----  
*(Company)*

-----  
*(Address)*

***Of company registration number -----***

***For the***

-----  
*(Radio and Telecommunication Terminal equipment of class .....  
or Network Infrastructure Equipment)*

Remarks (If any):

*This License is issued to attest that TRA did undertake the relevant Import/Manufacture procedures and attest that the applicant identified above is hereby authorized to ----- and sale Telecommunication equipment of the Type described above.*  
*(Import / Manufacture)*

**This license is not transferable and is valid until:**

**Beirut, on:**

-----  
Authorized officer  
(Type Approval)

Approval office



Certificate number: -----

## RTTE Approval Certificate

*This certificate is issued to*

-----  
(Company / Applicant)

-----  
(Address)

*Import/Manufacture License N°.* -----

*For the following equipments*

Equipment	Type
-----	-----
-----	-----
-----	-----
-----	-----
-----	-----
-----	-----

Remarks (If any):

*This certificate is issued to attest that TRA did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements of the Regulations and standards mentioned above.*

**This certificate is valid until:**

**Beirut, on:**

-----  
Authorized officer  
(Type Approval)

Approval office



Certificate number: -----

## Network Equipment Approval Certificate

***This Certificate is issued to***

-----  
*Service Provider*

-----  
*Address*

***SP License N°.*** -----

***Imported By (if any)***

-----  
*Importer*

-----  
*Address*

***Import/Manufacture License N°.*** -----

***For the following equipments***

Equipment	Type	Quantity
-----	-----	-----
-----	-----	-----
-----	-----	-----
-----	-----	-----
-----	-----	-----

Remarks (If any):

*This certificate is issued to attest that TRA did undertake the relevant approval procedures for the network equipments identified above which was found to comply with the relevant requirements of the Regulations.*

**This certificate is valid until:**

**Beirut, on:**

-----  
Authorized officer  
(Type Approval)

Approval office

## APPENDIX E. FIGURES

Figure 1a: Type approval process for Class 0 RTTE

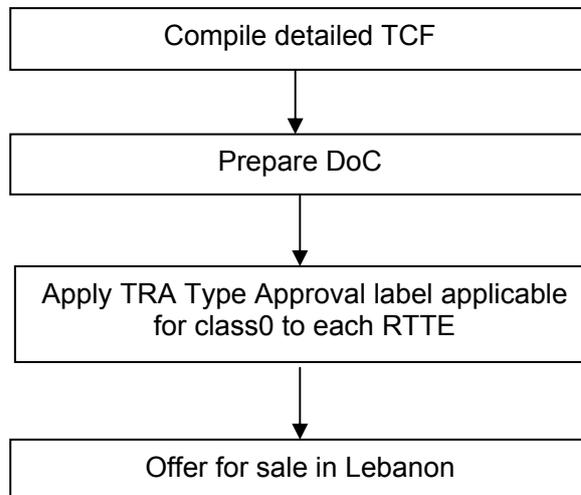
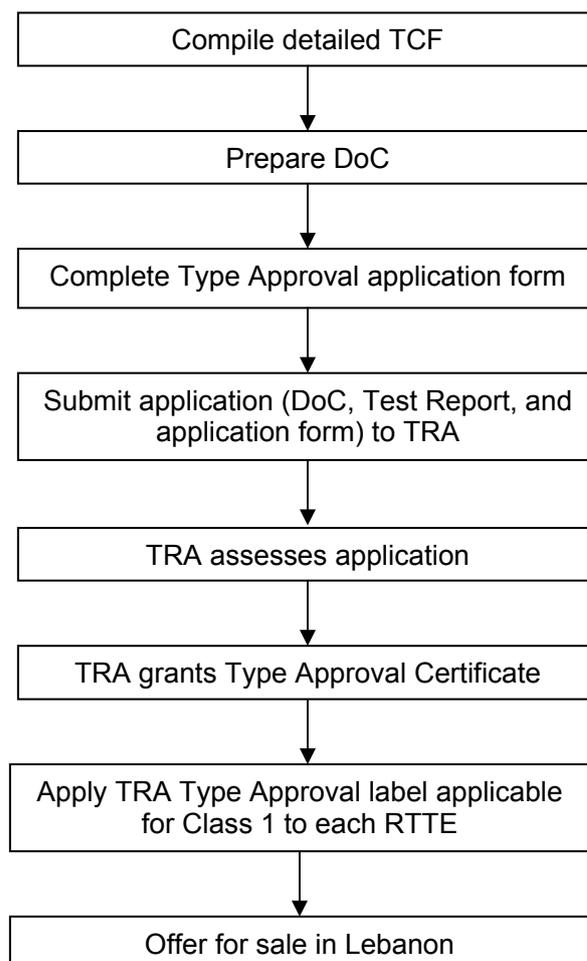
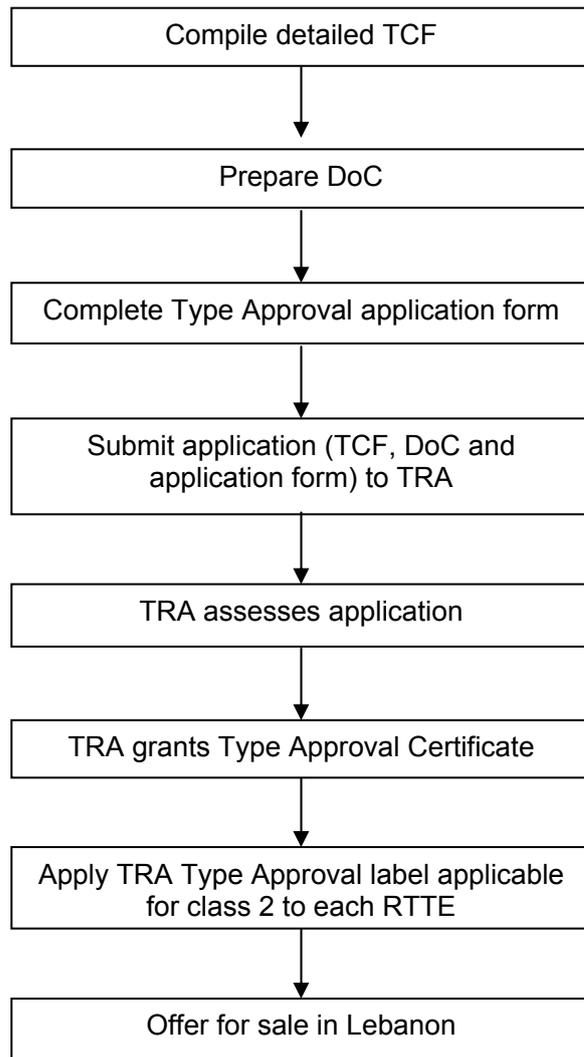


Figure 1b: Type approval process for Class 1 RTTE



**Figure 1c: Type approval process for Classes 2 & 3 RTTE**



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