Islamic Republic of Afghanistan

Afghanistan Telecommunication Regulatory Authority

Procedures for Type Approval for Radio Communications Equipment in Afghanistan

Section 1

General Provisions

1. **DEFINITIONS**

In these Procedures, unless the context indicates otherwise a word or expression to which a meaning has been assigned in the Telecom Law or the Regulation for the Use of Radio Frequencies and Radio Communications Equipment in Afghanistan, has the meaning so assigned:

- "Accredited Test Laboratory (ATL)" means any laboratory accredited by its own national accreditation body and/or other recognized accreditation body in terms of ISO/IEC 17025 requirements;
- "Applicant" means any person that submits a completed application form to ATRA in terms of Procedures 8, 9, or 10;
- "ATRA" means the Afghanistan Telecommunication Regulatory Authority;
- "ATRA Logo" means the logo of the Afghanistan Telecommunication Regulatory Authority;
- "Conformity Assessment" means a process that is used to verify that Equipment meets specified requirements in relation to Type Approval;
- "Conformity Assessment Body (CAB)" is an institution (private or not) with the capacity to perform Conformity Assessment per reliable and trusted international standards;
- "Market Surveillance" means the process of ensuring that approved equipment that is already in the market still complies with minimum technical requirements of the prescribed standards it has claimed to satisfy;
- "National Frequency Allocation Table (NFAT)" is the table of allocation for use of frequencies and frequency bands in the Islamic Republic of Afghanistan, developed and maintained by ATRA;
- "National Regulatory Authority (NRA)" is a foreign governmental agency that regulates the telecommunications sector and for the purpose of these Procedures, it is trusted as having the capacity to perform reliable type approval on Radio Communications Equipment;

- "Notification Date" means the date upon which ATRA receives a completed application form with relevant supporting documents;
- "Provisional Type Approval" means a procedure in terms of Procedure 10 of these Procedures;
- "Radio Communications Equipment (RCE)" means a product or relevant component thereof, capable of communication by means of the emission and/or reception of radio waves utilizing spectrum allocated to terrestrial/space radio communication.
- **"Radio Waves"** means Electromagnetic waves of frequencies from 8.3 kHz to 3 000 GHz, propagated in space without an artificial guide;
- "Simplified Type Approval" means a process whereby a supplier applies for Type Approval in relation to identical Equipment that has already been type approved by ATRA for another supplier in terms of Procedure 8.
- "Standard Type Approval" means a procedure in terms of Procedure 9 of these Procedures;
- **"Supplier"** means manufacturer, importer, or distributor of Equipment or any person registered with ATRA for the purpose of Type Approval;
- "Technical Regulations" means Regulation for the Use of Radio Frequencies and Radio Communications Equipment in Afghanistan and/or other regulations issued in terms of Article 63 of the Telecom Law;
- "Telecom Law" means the Telecommunications Services Regulation Law, published on 08/10/2005 in the Official Gazette No. 863, as amended;
- "Test Report" means the full report confirming conformance with relevant standards, issued by an ATL;
- "Type Approval" means a process by which Equipment or a device or system is authorized by ATRA to be used in Afghanistan or imported into Afghanistan and involves verification of the Equipment's compliance with the applicable standards and other regulatory requirements;
- "Type Approval Certificate" means a certificate issued by ATRA confirming compliance of the Equipment with the prescribed standards determined by ATRA;
- **"Type Approval fees"** means fees relating to Type Approval as set out in Annex 7 Type Approval Fees of these Procedures;
- **"Type Approval Holder"** means a person registered and in possession of a Type Approval certificate issued by ATRA;
- "Type Approval Register" means a register that contains basic, technical and compliance information on all Equipment approved by ATRA for use, import and supply in Afghanistan;

2. PURPOSE OF PROCEDURES

The purpose of these Procedures is to:

- (a) Streamline the Equipment Approval framework in accordance with the Telecom Law:
- (b) Specify the fees structure with respect to Equipment Type Approval;
- (c) Ensure effective use of the frequency spectrum;
- (d) Avoid interference to other communications systems;
- (e) Guarantee environmental safety and health of users of RCE;
- (f) Facilitate the availability of quality equipment to consumers and [1] operators;
- (g) Promote the supply of Radio Communications Equipment by qualified suppliers;
- (h) Define processes for the Type Approvals of Radio Communications Equipment;
- (i) Identify applicable technical standards, including those promulgated by international bodies; and
- (j) Ensure conformance to national and international standards.

3. EQUIPMENT REQUIRING TYPE APPROVAL

- (a) Any Equipment used or to be used in connection with the provision of radio communications, unless explicitly exempted by ATRA, is subject to Type Approval by ATRA. This provision includes, but it is not limited to the following equipment:
 - (i) Fixed Radio Transmitters,
 - (ii) Mobile Terminal Equipment,
 - (iii)Broadcasting Equipment,
 - (iv)Satellite Transmitter Equipment,
 - (v) Frequency dependent Medical Equipment and Devices and
 - (vi)Short Range Radio Devices
- (b) These Procedures shall not apply to Radio Communications Equipment exclusively used for activities concerning public security, defense, civil emergency services and other cases of natural disasters, State security, including the economic wellbeing of the State in the case of activities pertaining to State security matters, and the activities of the State in the area of criminal law.
- (c) Equipment manufactured within Afghanistan for the purpose of export is exempt from the application of these Procedures.
- (d) These Procedures shall not apply to Radio Communications Equipment to be solely used by diplomatic missions, not affecting public domain.
- (e) All equipment for which a valid ATRA Type Approval Certificate was issued prior to the promulgation of these Procedures will remain valid pursuant to these Procedures.

4. TYPE APPROVAL

Type Approval is the process by which an RCE is certified by ATRA to be used in Afghanistan. It involves testing and verification of an RCE to ensure compliance with the applicable national and international standards and essential requirements.

The main objective of the type approval regime is to ensure that all RCE that are used in Afghanistan comply with the applicable technical standards accepted by ATRA relative to:

- (a) Efficient Use of radio frequency spectrum by RCE: the efficient and appropriate use of the radio frequency spectrum, which is a limited resource, should be ensured so as to avoid harmful interferences and unacceptable degradation of service to other users of the radio spectrum.
- (b) The protection of the health and the safety of the user to ensure that the operation of a particular RCE, in no way causes any harm to the users or to any other individual.
- (c) Electromagnetic Compatibility (EMC) to ensure that electromagnetic emissions of the RCE do not disrupt or affect the operation of other equipment working nearby. In addition, such RCE must have an acceptable level of immunity to disturbances that may occur as a result of the operation of other equipment found close to them.

5. COMPLIANCE WITH TECHNICAL STANDARDS

By verifying the compliance of RCE with applicable technical standards recognized by ATRA, the RCE Type Approval ensures that:

- (a) No substandard RCE which can present health and safety hazards are operating in Afghanistan
- (b) Consumers are protected from RCEs that are non-compatible with the seplocal telecommunications network
- (a) The operating frequency of all RCE is as per the NFAT in Afghanistan separated that no interference is caused to current and planned services.

6. TYPE APPROVAL REGIME

The Type Approval Regime consists of the following elements:

- (a) Type Approval Procedures comprising:
 - (i) Type Approval Application System and procedures
 - (ii) List of Technical Standards recognized by ATRA
 - (iii) National Frequency Allocation Table (NFAT)
- (b) Equipment Supplier Register
- (c) Type Approval Register
- (d) List of accredited laboratories, testing and measurement bodies (ATLs) recognized by ATRA
- (e) List of Type Approval Bodies that are recognized by ATRA

Specific Provisions

7. REGISTRATION OF SUPPLIER

- (a) All applicants for Type Approval are required to register on the ATRA database as a Supplier of Equipment. This registration will be a once-off activity at no additional cost to the applicant.
- (b) Registration shall only be afforded to Afghanistan registered entities.

(c) Should the details provided when registering as a Supplier change, the obligation is on the applicant to supply ATRA with the latest updated information within thirty (30) days of occurrence of the change.

8. SIMPLIFIED TYPE APPROVAL

The simplified Type Approval process has to be followed in the case that the RCE has already obtained suitable evidence either from a National Regulatory Authority (NRA) or a Conformity Assessment Body (CAB) recognized by ATRA showing that the considered RCE complies with the required standards recognized by ATRA.

- (a) An application for Type Approval under the simplified type approval process must be accompanied by the following supporting documentation:
 - (i) A duly signed and dated Certificate of Compliance certifying that the equipment complies with the appropriate standards, issued by the entity which had tested or type approved the RCE and which must be either a National Regulatory Authority recognized by ATRA or a Conformity Assessment Body recognized by ATRA.
 - (ii) Proof of payment for the prescribed Type Approval fee. The Type Approval fee covers ATRA processing fee, is not refundable, and must be paid before applying for Type Approval.
- (b) Under the Simplified Type Approval process it is not required to submit any other supporting documentation or sample units of the RCE unless requested to do so by ATRA.
- (c) A successful outcome of the assessment of the application for simplified Type Approval will not result in issuing a Type Approval Certificate in the name of the applicant, but rather in the recording of a corresponding entry of the RCE in the Type Approval Register published on ATRA's website. However, if needed, such certificates will be issued upon payment of the applicable fee.
- (d) Procedure 9(d) to 9(h) shall apply with regard to Simplified Type Approval process/es.

9. STANDARD TYPE APPROVAL

The standard Type Approval process has to be followed in the case that there is no evidence in the form of a Certificate of Compliance certifying that the RCE complies with the standards recognized by ATRA.

- (a) A Type Approval Application must be accompanied by the following:
 - (i) Test reports confirming compliance with the applicable standards in the Technical Regulations;
 - (ii) Photographs of the Equipment, Installation and User manual;
 - (iii) A functional description of the Equipment;
 - (iv) Schematic diagram, Printed Circuit Board (PCB) layout; and
 - (v) Proof of Payment of the prescribed non-refundable Type Approval fee.
- (b) ATRA may, where it deems it necessary, request the Applicant to submit additional supporting documents.

- (c) ATRA, at its own discretion, might decide to conduct additional testing or request that some of the already conducted tests be repeated, either by an accredited ATL or at ATRA's own testing facilities. The Applicant shall cover the costs of the required testing.
- (d) A successful outcome of the assessment will result in ATRA issuing a Type Approval Certificate. The Type Approval Certificate format is shown in Annex 6 Type Approval Certificate Format.
- (e) An unsuccessful outcome will result in ATRA issuing a letter containing reasons for rejecting the application.
- (f) The Applicant may, subsequent to addressing issues stipulated in the rejection letter, and subject to Procedure 9(a)(v), re-apply for Type Approval.
- (g) The duration for processing the submitted application is thirty (30) working days, which can be extended by a similar period at ATRA's discretion.
- (h) Once an RCE is type approved by ATRA, the same type of equipment can be imported, subject to import permission, by any eligible importer without having to apply for another Type Approval.

10. PROVISIONAL TYPE APPROVAL

- (a) ATRA may award a Provisional Type Approval Permit, for a period of up to six
 - (6) months for the following purposes:
 - (i) Use of Equipment for a trial, demonstration or research purpose on a noncommercial basis: and
 - (ii) Testing the Equipment in an ATL in Afghanistan.
- (b) The Equipment specified in the permit granted in terms of subprocedure (a) must be used exclusively by the applicant.
- (c) When requesting provisional Type Approval the Applicant must submit information regarding:
 - (i) Purpose of the test, trial, research or demonstration;
 - (ii) Details of the units to be tested, including the number;
 - (iii)Details of the proposed recipients of the units;
 - (iv) Duration of the test, trial, research or demonstration;
 - (v) The geographical area where the tests, trial, research or demonstration are to be performed; and
 - (vi)Proof of payment of the applicable fee.
- (d) The Applicant must furnish ATRA with a report of the test, trial, research or demonstration, within thirty (30) days from the lapse of the permit period.
- (e) In the event that the applicant does not wish to apply for Type Approval within or after the permit period, the Applicant is obliged to ensure that all the units that were deployed or used are withdrawn at the applicant's own cost, within thirty (30) days from the lapse of the permit period.

11. APPLICABLE STANDARDS

- (a) ATRA recognizes only standards issued by a competent standardization body.
- (b) The applicable technical standards for Radio Communications Equipment are found in the list of Technical Standards and/or the Technical Regulations.

(c) In the event where Equipment requiring Type Approval was tested to a standard which is not in the list of Technical Standards and/or the Technical Regulations, then such a standard must be technically identical to that determined by ATRA for such Equipment.

12. COMPLIANCE WITH NFAT

- (a) All RCE intended for use within the borders of the Islamic Republic of Afghanistan shall comply with the prescriptions of the National Frequency Allocation Table (NFAT) of Afghanistan.
- (b) Non-compliance with the allocations indicated in the NFAT will result in an automatic rejection of the Type Approval request.
- (c) Should incompatibilities of the RCE with the NFAT be resolved, the Applicant will be entitled to resubmit the application in accordance to the applicable procedure.

13. TEST REPORTS

- (a) ATRA will accept only test reports that are issued by accredited ATLs.
- (b) Applicants must submit a test report in full and are not allowed to remove or modify any portion of the test report.
- (c) A test report is only valid if it was prepared for the Equipment for which approval is being applied for and if no modifications have been made to the Equipment following the completion of the test report.
- (d) ATRA reserves the right to request for re-testing at a laboratory assigned by ATRA or to perform its own testing at ATRA's testing facilities. The applicant will be responsible for all laboratory or other costs incurred.

14. REQUIREMENTS FOR LAB TESTING

- (a) In all cases of Lab Testing, a sample shall be included in the application.
- (b) Samples submitted with Type Approval application shall be retained and used by ATRA. Samples submitted shall be as is to be sold to end-users and shall come with where necessary accessories, device drivers and software and RF cables.
- (c) In cases where Type Approval Application is rejected on review, ATRA shall retain samples submitted.
- (d) No application for Type Approval shall be processed unless all required supporting documents are submitted to ATRA. This may include the submission of any other additional information that is deemed necessary by ATRA for the purpose of Type Approval and supporting firmware or software.

15. TYPE APPROVAL FEES

- (a) ATRA will charge Type Approval fees in terms of Annex 7 Type Approval Fees of these Procedures.
- (b) Type Approval fees are payable in advance and are non-refundable.

(c) The Type Approval fees set out in Annex 7 - Type Approval Fees will be adjusted by ATRA a maximum of the Consumer Price index (CPI) as published by the Central Statistics Organization of Afghanistan. The Adjusted Type Approval fees will be published annually in ATRA's website.

16. VALIDITY OF THE TYPE APPROVAL CERTIFICATES

- (a) A Type Approval Certificate is valid for an unlimited duration provided that
 - (i) No modifications with respect to the brand and/or Equipment name, model and function recorded on the Type Approval certificate and/or Type Approval register, are made to the Equipment; and
 - (ii) There are no changes to the technical specifications of the Equipment. The changes include, but are not limited to:
 - 1. The operating frequency band, and
 - 2. RF power.
 - (iii) The standard under which Type Approval was obtained does not change so as to render the Type Approval invalid.
- (b) A written request can be made to ATRA to have the issued certificate details updated within fourteen (14) days of the change of details.

17. REAPPLICATION FOR CERTIFICATION

Should the approved or registered RCE be modified in respect of brand name, model number, design or radio frequency function, it should be resubmitted for compliance approval. However, if only the device appearance is changed with consent of ATRA, the reapplication for certification is exempted.

18. REVOCATION OF TYPE APPROVAL CERTIFICATE

- (a) A Type Approval Certificate may be revoked in the event that:
 - (i) Modifications are made to the Equipment with respect to the brand, name, model number, function or any other information recorded on the Type Approval Certificate and/or Type Approval Register.
 - (ii) After investigation of a complaint, ATRA finds that:
 - 1. The type approved Equipment fails a Conformity Assessment.
 - 2. The Type Approval holder violated a condition in the Type Approval Certificate.
- (b) ATRA will notify the relevant Supplier in writing of the revocation of their Type Approval certificate and the reasons thereof.
- (c) ATRA will indicate on the Type Approval Register all revoked Type Approval Certificates.
- (d) All Equipment that is the subject of a revoked Type Approval Certificate must be withdrawn from the market, at own cost, by the party responsible for placing the Equipment into the market within ninety (90) days of the notification date.

19. MARKING REQUIREMENTS

- (a) Marking is the process of affixing a label and a specified Type Approval number on the Type Approved RCE which is made or imported into the Afghan market, indicating its compliance with ATRA's recognized technical standards and requirements for the purpose of improving consumer's confidence in telecommunications products and services in Afghanistan.
- (b) All Type Approved RCE must have a legible label permanently affixed to the outside of such equipment, bearing:
 - (i) The corresponding marking from the country or region where the original Type Approval had been obtained in the event that the RCE in question has been approved according to the Simplified Type Approval process.
 - (ii) The label approved by ATRA is shown in Annex 8 ATRA Marking in the event where the RCE in question has been approved according to the Standard Type Approval process.
- (c) Any other marking may be affixed to the RCE provided that the visibility and legibility of the prescribed marking (per Procedure (a) and (c) above) is not thereby reduced.
- (d) Where it is shown that a label permanently affixed to the outside of the RCE is not desirable or is not feasible, an alternative method of displaying the required label may be used if approved by ATRA in writing. The proposed alternative method of labeling and the justification for its use must accompany the applied application for the Type Approval of the concerned RCE.
- (e) The label may also be affixed on the packaging and/or in the user manual, but it is not mandatory in these places, unless for reasons of size or other design features the RCE itself cannot be marked In these cases, the applicant must include the label in the user documentation accompanying the RCE before it is displayed or offered for sale.
- (f) The label must be affixed before the RCE is made available on the Afghan market.
- (g) The label shall be affixed under the responsibility of the manufacturer, his authorized representative in Afghanistan, or the party responsible for placing the RCE on the Afghan market.
- (h) The responsible party shall be guilty of an offence if he fails to comply with these requirements.
- (i) ATRA reserves the right to take appropriate action against the responsible party who has affixed a marking found not to be in conformity with these requirements.

20. MARKET SURVEILLANCE

- (a) ATRA may conduct Market Surveillance on all Equipment that requires Type Approval under the following conditions:
 - (i) In the event that a complaint is made by a consumer or other competent body; and/or
 - (ii) As a part of a random audit conducted by ATRA to ensure compliance.
- (b) In carrying out Market Surveillance, ATRA may:
 - (i) Require the Supplier of the type approved Equipment to submit the Equipment to ATRA for Conformity Assessment.

- (ii) Conduct a visual examination of the Equipment, label, packaging and certificates.
- (c) In carrying out the Market Surveillance in terms of sub-Procedure 20(b)(i), ATRA will bear the associated costs.

21. ACCREDITED TESTING LABORATORIES RECOGNIZED BY ATRA

- (a) ATRA maintains and publishes on its website a list of accredited Testing Laboratories that are regarded by ATRA as suitable for performing tests demonstrating compliance of the RCE with the relevant standards recognized by the Authority.
- (b) The laboratories in this list have been accepted as accredited to perform laboratory test results according to the relevant product standards or other specified requirements adopted in Afghanistan, as identified in the accreditation scope for each laboratory.
- (c) Accredited Test Laboratories can be deemed as recognized by ATRA only if the following requirements are met:
 - (i) The laboratory is compliant with ISO/IEC 17025 [1]
 - (ii) Compliance to ISO/IEC 17025 is certified by an Accreditation Body, who is a member of the International Laboratory Accreditation Cooperation (ILAC)
- (d) Where the type approval process has been followed, the relevant assessment test results from each of the laboratories recognized by ATRA must be accompanied by the evidence of the relevant scope of accreditation of the respective laboratory involved.

22. TYPE-APPROVAL BODIES TO BE RECOGNIZED BY ATRA

- (a) Type Approval bodies that are recognized by ATRA include National Regulatory Authorities and Conformity Assessment Bodies and are used as references for the simplified Type Approval process as described in Procedure 8.
- (b) ATRA will maintain and publish a list of National Regulatory Authorities and accredited Conformity Assessment Bodies that are regarded by ATRA as suitable for certifying compliance of the RCE with the relevant technical standards adopted in Afghanistan. An initial list is provided in Annex 3 List of Type Approval Bodies and this list will be updated regularly by ATRA with the addition of any new recognized NRA or CAB and published on ATRA's website.
- (c) The Type Approval process of the National Regulatory Authorities in this list is deemed to be accepted by ATRA as valid for the RCEs in Afghanistan. Therefore, an applicant to the Type Approval for an RCE that has been Type Approved by one of these NRAs needs only to provide evidence in the form of a Type Approval Certificate. It should be noted however that evidence of such Type Approval will be reviewed in light of the specificities of the Afghan market and will be accepted upon sole discretion of ATRA.
- (d) At the start of the new Type Approval Regime, ATRA will recognize only the National Regulatory Authorities that satisfy all of the following criteria:
 - (i) The NRA is in a country belonging to ITU Region 3

- (ii) The NRA has in place a Type Approval regime deemed to be acceptable by the standards of ATRA.
- (e) The Conformity Assessment Bodies in this list have been accepted as accredited to assess and certify RCE according to the technical standards or other specified requirements adopted in Afghanistan, as identified in the accreditation scope for each of them. In addition, ATRA recognizes the conformity assessment process of the CAB of this list to be valid for the purpose of issuing Type Approval in Afghanistan. Therefore an applicant to the Type Approval for an RCE that has been issued duly signed and dated Certificate of Compliance by one of these CABs certifying that the equipment complies with the appropriate standards, needs only to provide evidence in the form of the above mentioned Certificate of Compliance. It should be noted however that evidence of such Type Approval will be reviewed in light of the specificities of the Afghan market and will be accepted upon sole discretion of ATRA.
- (f) At the start of the new Type Approval Regime, ATRA will recognize only the Conformity Assessment Bodies that are accredited by a national accreditation agency or a national government body from selected countries: EU member states, GCC member states, USA, Canada, Australia, New Zealand, Japan.
- (g) Where radio frequencies are concerned, the CAB shall be able to provide Certificates of Compliance for use in ITU Region 3.
- (h) Where the Simplified Type Approval process has been followed, the relevant Certificates of Compliance from those Conformity Assessment Bodies recognized by ATRA must be accompanied by the evidence of the relevant qualifications (e.g. accreditation certificate or other documentary evidence) of the respective body involved.

23. PUBLICITY

ATRA will maintain on its website:

- (a) A list of approved RCE OR Type Approval Register to be accessed by the general public.
- (b) Equipment Supplier Register
- (c) The list of recognized NRAs and CABs.
- (d) The list of Approved Technical Standards for Radio Communications Equipment.
- (e) The list of Accredited Test Laboratories.

These lists will be updated at least on a monthly basis.

24. APPLICATION FORMS

An application for Type Approval and/or Supplier registration must be made to ATRA using the prescribed Application forms which are found in Annex 9 - Application Forms of these Procedures.

Sanctions

25. OFFENCES

It is an offence to offer for sale or have in possession, with the intention to sell, any Equipment that is not Type Approved, with the exception of short-range devices for his/her personal use.

26. PENALTIES

Any person that offers for sale or have in their possession, with the intention to sell, any Equipment that is not Type Approved, with the exception of short-range devices for his/her personal use, is guilty of an offence and is subject to a fine no less than five thousand Afghanis (Afs. 5000.00) but not exceeding fifty thousand Afghanis (Afs. 5 0000.00).

Procedures

27. PROCEDURES

ATRA shall develop and implement the procedures required to effectively establish the Type Approval Certification as deemed necessary.

Enforcement

28. PROCEDURES

These Procedures will come into force from the date of ratification. Twelve (12) months after the Procedures come into force, all RCE Suppliers shall adjust their operations to them. Once the adjustment period is over, ATRA will initiate enforcement of the penalties established in Procedure 26 to all offenders in accordance to prescriptions in these Procedures. ATRA might, at its own discretion, extend the enforcement period for up to another twelve (12) months. This procedure may be modified from time to time by ATRA.

Section 2

Annex 1 – Types of Radio Communications Equipment

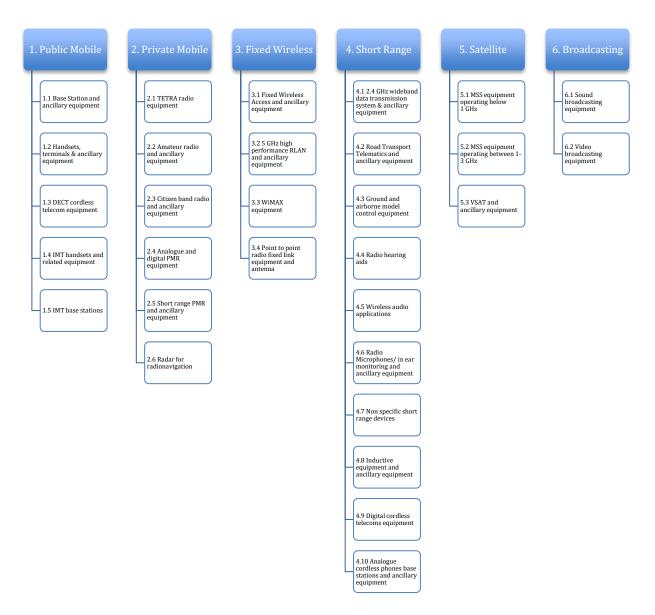
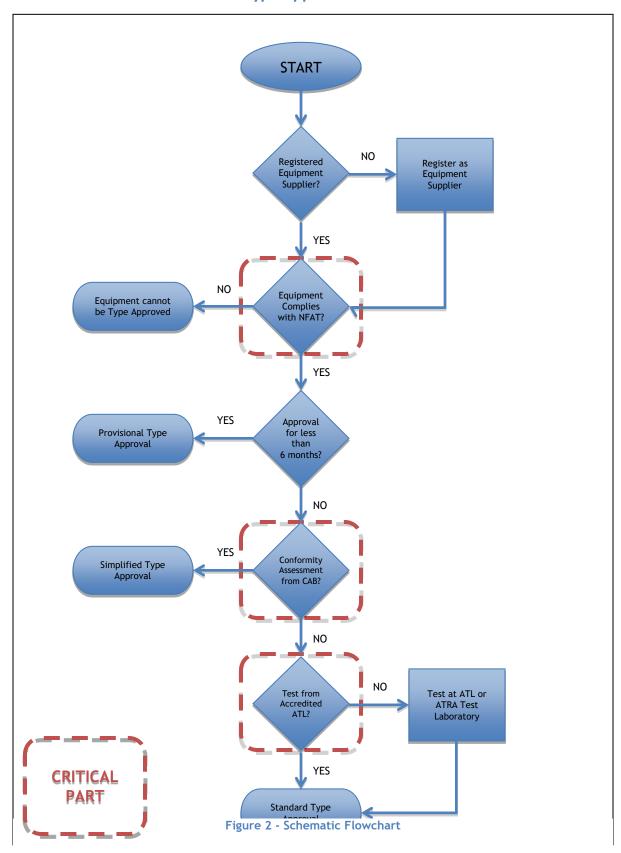


Figure 1 - Radio Technologies

Annex 2 – Type Approval Procedures



Annex 3 – List of Type Approval Bodies

National Regulatory Authorities

National Regulatory Authority	Country
TAS	Singapore
TRAI	India
SKMM	Malaysia
ACMA	Australia

Conformity Assessment Bodies

Conformity Assessment Body Name	Country
TÜV AUSTRIA SERVICES GMBH	Austria
BUSINESS INNOVATION CENTRE - IZOT Co Directorate "Conformity	Bulgaria
Assessment"	
ELTEST CERTIFICATION Ltd.	Bulgaria
OTC Ltd.	Bulgaria
NEMKO CANADA INC.	Canada
CESKY METROLOGICKY INSTITUT	Czech Republic
TELESTYRELSEN	Denmark
Nemko Oy	Finland
SGS FIMKO OY	Finland
CE TECOM SARL	France
EMITECH-CHASSIEU	France
EMITECH Ile de France	France
EMITECH MESURES - ET ABLISSEMENT D'ORGEVAL	France
LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES	France
UNION TECHNIQUE DE L'AUTOMOBILE, DU MOTOCYCLE ET DU	France
CYCLE	
CETECOMICT SERVICES GMBH	Germany
EMCCERT DR. RASEK GMBH	Germany
Eurofins Product Service GmbH	Germany
LGA QualiTest GMBH	Germany
PHOENIX TESTLAB GMBH	Germany
SGS Germany GmbH Zertifizierungsstelle München	Germany
TÜV RHEINLAND PRODUCT SAFETY GMBH	Germany
EMC HELLAS S.A.	Greece
Compliance Engineering Ireland Ltd	Ireland
IMQ ISTITUTO ITALIANO DEL MARCHIO DI QUALITÀS.P.A.	Italy
ISTITUTO SUPERIORE DELLE COMUNICAZIONI E DELLE	Italy
TECNOLOGIE DELL'INFORMAZIONE	
REGGIO EMILIA INNOVAZIONE Soc. Con s.a.r.l.	Italy
Telecom Engineering Center - TELEC	Japan
UL Apex Co. Ltd.	Japan
STATE JS/C ELECTRONIC COMMUNICATION DIRECTION,	Latvia
TELECOMMUNICATION QUALITY ASSESSMENT CENTRE	
KEMA Quality B.V.	Netherlands
TELEFICATION B.V.	Netherlands

Conformity Assessment Body Name	Country
TÜV Rheinland EPS B.V.	Netherlands
COMLAB	Norway
DET NORSKE VERITAS CERTIFICATION AS	Norway
NEMKO AS	Norway
GOSPODARSTWO POMOCNICZE - CENTRALNE LABORATORIUM	Poland
BADAN TECHNICZNYCH URZEDU KOMUNIKACJI	
ELEKTRONICZNEJ	
INSTYTUT LACZNOSCI	Poland
INSTYTUT LOGISTYKII MAGAZYNOWANIA	Poland
OSRODEK BADAWCZO-ROZWOJOWY PREDOM-OBR	Poland
POLSKIE CENTRUMBADAN I CERTYFIKACJI S.A.	Poland
EVPU a.s.	Slovakia
Vyskumny ustav spojov n.o.	Slovakia
SLOVENIAN INSTITUTE OF QUALITY AND METROLOGY-SIQ	Slovenia
SECRETARÍA DE ESTADO DE TELECOMUNICACIONES Y PARA LA	Spain
SOCIEDAD DE LAINFORMACION	
INTERTEK SEMKO AB	Sweden
SP Sveriges Tekniska Forskningsinstitut AB	Sweden
SP Sveriges Tekniska Forskningsinstitut AB	Sweden
BABT PRODUCT SERVICE	United Kingdom
BRITISH APPROVALS BOARD FOR TELECOMMUNICATIONS	United Kingdom
BSI PRODUCT SERVICES	United Kingdom
CRITERION UK LTD	United Kingdom
EMC PROJECTS LTD	United Kingdom
INTERTEK TESTING & CERTIFICATION LTD	United Kingdom
MIRA LIMITED	United Kingdom
QINETIQ LTD	United Kingdom
RFI GLOBAL SERVICES LTD	United Kingdom
SGS UNITED KINGDOM LIMITED	United Kingdom
TECHNOLOGY INTERNATIONAL (EUROPE) LTD	United Kingdom
TRaC EMC & SAFETY LTD	United Kingdom
TRaC Telecoms&RadioLtd	United Kingdom
American Telecommunications Certification Body, Inc. (ATCB)	United States
Bay Area Compliance Laboratories, Corp. (BACL)	United States
Bureau Veritas Consumer Product Services, Inc.	United States
CKC Certification Services, LLC	United States
Compliance Certification Services (CCS)	United States
DLS Electronic Systems, Inc.	United States
Elite Electronic Engineering, Inc.	United States
Elliott Laboratories, LLC	United States
Intertek Testing Services NA, Inc. (ITS)	United States
LS Research, LLC	United States
MET Laboratories, Inc.	United States
Northwest EMC, Inc. (NWEMC)	United States

Annex 4 – List of Accredited Test Laboratories

Testing I charactering Name Country				
Testing Laboratories Name Flom Test Labs	Country United States			
AEGIS Labs, Inc.	United States United States			
AEGIS Labs, Inc. ATLAS Compliance & Engineering, Inc.	United States United States			
1 5 5				
CKC Laboratories, Inc.	United States			
Cisco Systems, Inc.	United States			
Compatible Electronics, Inc.	United States			
Compliance Engineering Services, Inc.	United States			
DNB Engineering, Inc.	United States			
EMC Compliance Management Group	United States			
Electro Magnetic Test, Inc.	United States			
Elliott Laboratories, Inc.	United States			
Garwood Laboratories, Inc.	United States			
Global Testing, A Div. of Rajkumar Corp.	United States			
Intertek Testing Services NA Inc.	United States			
MET Laboratories, Inc.	United States			
MiCOM Labs	United States			
NCR Corp. San Diego EMC Lab	United States			
National Technical Systems	United States			
Nemko USA, Inc San Diego EMC Division	United States			
TUV America Inc.	United States			
Underwriters Laboratories, Inc.	United States			
Universal Compliance Labs dba EMCE Eng.	United States			
EMC Integrity, Inc.	United States			
TUV Rheinland of North America, Inc.	United States			
FAU EMI R	United States			
Product Safety Engineering, Inc.	United States			
Timco Engineering, Inc.	United States			
Advanced Compliance Solutions, Inc.	United States			
Intertek Testing Services N A Inc.	United States			
United States Technologies, Inc.	United States			
Elite Electronic Engineering Inc.	United States			
Radiometrics Midwest Corp.	United States			
Rogers Labs, Inc.	United States			
MET Laboratories, Inc.	United States			
Chomerics Test Services - Woburn, MA	United States			
Compliance Management Group	United States			
Curtis-Straus LLC	United States			
EMC Corporation	United States			
Intertek ETL Entela	United States			
National Technical Systems	United States			
IBM Rochester EMC Lab	United States			
International Certification Services, Inc.	United States			
Nebraska Center for Excellence in Electronics	United States			
Advanced Compliance Laboratory	United States			
Chomerics Test Services- Rochester, NY	United States			
Dayton T. Brown, Inc.	United States			
F-Squared Laboratories	United States			
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EMC Kashima Corporation Japan		 •
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	ETS Product Service Japan Co., LTD	Japan

Testing Laboratories Name	Country
Fujitsu General EMC Laboratory	Japan
IPS Corporation	Japan
Japan EMC Laboratory Limited, Tsukui Test Site	Japan
Japan Qlty. Assur. Org. Safety & EMC Ctr.	Japan
Matsushita EMC Center	Japan
Murata Mfg. Co, Ltd. Yokohama Tech Ctr	Japan
NEC Computertechno, Ltd.	Japan
Olympus Corporation EMC Laboratory	Japan
PFU TECHNOCONSUL EMC Center	Japan
Panasonic Communications Test Laboratory	Japan
SANYO Electric Co., Ltd. Testing Laboratory	Japan
Sharp Nara EMC Center Sharp Corporation	Japan
Sony EMCS Corp Mimokamo TEC EMC Test Lab	Japan
Sony Kisarazu EMC Test Laboratory	Japan
Sony Nagano EMC Test Laboratory	Japan
Spindler Associates Co., Ltd.	Japan
TEAC Corporation EMC Center	Japan
Toshiba Corp., Digital Media Network Co.	Japan
UL Apex Co., Ltd.	Japan
Wave Corporation, TUV Rheinland	Japan
D. A.R.E. Consultancy B.V.	Netherlands
KEMA Quality B. V. (KEMA)	Netherlands
Telefication B.V.	Netherlands
PSB Corporation Pte Ltd	Singapore
CTK Co., Ltd.	South Korea
DIGITALEMC CO., LTD	South Korea
EMC Compliance Ltd.	South Korea
EMC Research Institute	South Korea
ESTECH Co., Ltd.	South Korea
ETL Inc	South Korea
Gumi College EMC Center	South Korea
IST Co., Ltd	South Korea
KOSTEC Co., Ltd	South Korea
Kosa EMC Laboratory	South Korea
<u>*</u>	South Korea
Korea Electric Testing Institute	
Korea Technology Institute Co., Ltd	South Korea
LTA Co., Ltd	South Korea
Nemko Korea Co., Ltd.	South Korea
ONETECH Corp.	South Korea
SGS Testing Korea Co., Ltd	South Korea
SK Tech Co., LTD.	South Korea
Samsung Electronics EMC Laboratory	South Korea
CETECOM	Spain
ICEM	Spain
INTA	Spain
L.C.O.E.	Spain
LABEIN	Spain
LGAI Technological Center	Spain

Testing Laboratories Name	Country
Tecnológica Componentes Electrónicos, S.A.	Spain
Swedish National Testing	Sweden
Advance Data Technology Corporation	Taiwan
Audix Corp. Technical Division EMC Department	Taiwan
Best Laboratory Co., Ltd	Taiwan
Chung -Shan Institute of Science	Taiwan
Electronics Testing Center, Taiwan	Taiwan
HomeTek Technology Inc.	Taiwan
Max Light Technology Co. Ltd	Taiwan
Neutron Engineering Inc.	Taiwan
QuieTek Corporation	Taiwan
SGS Taiwan Ltd.	Taiwan
Sporton International Inc.	Taiwan
AD Compliance Services Ltd.	United Kingdom
BABT (British Approvals Board for Telecom)	United Kingdom
BSI Testing	United Kingdom
Celestica Ltd.	United Kingdom
EMC Projects Ltd.	United Kingdom
Hursley EMC Services Ltd.	United Kingdom
KTL	United Kingdom
Motor Industry Research Association (MIRA)	United Kingdom
RFI Global Services Ltd.	United Kingdom
SGS United Kingdom	United Kingdom
TRL Compliance Ltd.	United Kingdom
TUV Product Service Ltd.	United Kingdom

Annex 5 – List of Technical Standards for Radio Communications Equipment

Applicable Standards – Health and Safety

Type of Health and Safety standard	Applicable Standard	Description
Electrical	EN 60950 or IE C60950	Safety of information technology equipment
Radio and SAR	EN 50360	Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz – 3 GHz)
	EN 50371	Generic standard to demonstrate the compliance of low power electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (10 MHz – 300 GHz) - General public
	EN 50385	Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless
	EN 50392	Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz – 300 GHz)
	EN 60215	Safety requirements for radio transmitting equipment
Optical and laser	EN 60825-1 or IEC 60825-1	Safety of laser products - Part1: Equipment classification, requirements and user's guide
	EN 60825-2 or IEC 60825-2	Safety of laser products - Part2: Safety of optical fiber communication systems

Applicable Technical Standards – Electromagnetic Compatibility

Type of EMC standard	Applicable Standard	Description
Information technology equipment	EN 55022 or CISPR 22	 Radio disturbance characteristics Limits and methods of measurement
	EN 55024 or CISPR 24	 Immunity characteristics Limits and methods of measurement
Limits	EN 61000-3-2 or IEC 61000-3-2	Limits for harmonic current emissions (equipment in put current up to and including 16 A per phase)
	EN 61000-3-3 or IEC 61000-3-3	 Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems Equipment with rated current<=75A and subject to conditional connection
	EN 61000-3-11 or IEC 61000-3-11	 Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems Equipment with rated current<=75A and subject to conditional connection
Generic standards	ETSI EN 30 489	 Electromagnetic compatibility and Radio spectrum Matters (ERM) [EF] Electro Magnetic Compatibility (EMC) standard for radio equipment and services [EF] Various parts as applicable to terminal type [EF]
	EN 61000-6-1 or IEC 61000-6-1	Immunity for residential, commercial and light-industrial environments
	EN 61000-6-2 or IEC 61000-6-2	Immunity for industrial environments
	EN 61000-6-3 or IEC 61000-6-3	Emission standard for residential, commercial and light - industrial environments
	EN 61000-6-4 or IEC 61000-6-4	Emission standard for industrial environments

Annex 6 - Type Approval Certificate Format



Afghanistan Telecommunications Regulatory Authority



RADIO COMMUNICATIONS EQUIPMENT TYPE APPROVAL CERTIFICATE

Radio Communications Equipment Type Approval Number

ATRA: XXX-XXX-XXX

The Authority, in the exercise of the powers conferred upon it by Article 6(1)(10) of the Telecommunications Services Regulation Law, the applicable radio regulations which remain currently in force and subject to the terms and conditions set in the Type Approval Procedures, hereby issues a Radio Communications Equipment Type Approval Certificate to the Applicant whose name and particulars are listed below.

Applicant's Details

Name
Address
Telephone/Mobile
E-mail

Radio Communications Equipment Description

Equipment category : Model number : Brand name : Type number : Country of origin : Frequency range : Output Power [mW] radiated: : Transmission Capacity : :

Only the original or a certified copy of the Radio Communications Equipment Type Approval certificate shall be considered valid.

Standardization Manager

{Stamped Date}

{Stamped Seal}

Annex 7 - Type Approval Fees

1. Certificate Fees - (to Government) (a) Standard Type Approval Afs. 20 000 (b) Simplified Type Approval Afs. 15 000 (c) Provisional Type Approval Afs. 8 000 (d) Labels (pkts of 1000 units) Afs. 1 000 2. Testing - (to ATRA) (a) Testing at ATRA Laboratory facilities Afs. 15 000 3. Miscellaneous - (to ATRA) (a) Administrative Modifications to Certificate Afs. 1 500 (b) Technical Modifications to Certificate Afs. 3 000 (c) Reissuance of Certificate Afs. 4 000

According to the 42nd decision 1399 of the ATRA Board, 20% of Admin Fee and 5% of the Application Fee has to be added to ATRA.

Annex 8 – ATRA Marking

All Radio Communications Equipment that has been type approved shall have an approved ATRA mark. The markings can be physically etched on the device (H-Marking) or by software (E-Marking) accessible and visible when device is powered. This is recommended for devices with small form factor. Below is the marking without the outer lines.

ATRA APPROVED: XXX-XXX-XXX

ATRA can also provide self-adhesive labels for devices that cannot be easily marked either by etching or by software. The format of these labels is as follows:



Annex 9 – Application Forms

Simplified Type Approval Form

Applicant	t's details (tick appropri	ate / insert registration n	number)
☐ Manufacturer (local or	international)		
☐ Person (individual or c	ompany – own use)		
☐ Licensed Operator	<u> </u>		
☐ Authorized Importer -	Import Registration		
No.:			
Company Name			
Contact Person			
Address			
P.O. Box			
Telephone			
Mobile			
E-mail			
	Technical details of	of the equipment	
Equipment category	□GSM	□CDMA	□LTE
=qmp.mem emeger)	□TETRA	☐ Amateur Radio	☐ Private Mobile Radio
	☐ PMR radio	Radar	□RLAN
	□WiMAX	□FWA	☐ Microwave
	☐ Sound Broadcasting	☐ TV Broadcasting	☐ Cordless phone
	□ SRD	□RFID	☐ Satellite radio
	☐ Radio navigation	☐ Satellite TV	□VSAT
	Other (please specify)		□ V 5/11
Intended use	Other (piease speerry)	<u> </u>	
(e.g. handset, etc.)			
Manufacturer name			
Manufacturer details			
(address etc.)			
Model/ brand name			
Type	- f-11		1: 4: <i>C</i>
	e following documents a		
	ance (issued by a Nationa	i Regulatory Authority or	a Conformity
Assessment Body rec	•	.	
2. Proof of payment of S			
Y . 1 1	Details of the Certific	cate of Compliance	
Issuing body			
Issue date			
Validity	GA	-	
	Signature of		
Name (printed):		Date:	
Authorized Signature			
of Applicant:			
	ATRA s		
Approved by		Date of issue	
Certification Number			

Standard Type Approval form

Applicant	's details (tick appropri	ate / insert registration	number)		
☐ Manufacturer (local or	international)				
☐ Person (individual or c	ompany – own use)				
☐ Licensed Operator					
☐ Authorized Importer -	Import Registration				
No.:					
Company Name					
Contact Person					
Address					
P.O. Box					
Telephone					
Mobile					
E-mail					
	Manufactu	rer details			
Company Name					
Contact Person					
Address					
P.O. Box					
Telephone					
Mobile					
E-mail					
	Please submit the following documents along with this filled in application form:				
	s in the list need to be sub				
Technical Information to be submitted to apply for Standard Type Approval.					
1. Declaration of Conformity issued by the manufacturer of the RCE					
2. Technical/ operational documentation of the RCE including user /installation manual					
3. Test Reports of accredited laboratory					
4. Circuit diagram, PCB layout, part lists and other relevant design information					
5. Photographs (external/internal)					
6. Label					
7. Test reports issued by	accredited testing laborate	ories recognized by ATR	A		
8. Proof of Payment of St	tandard Type Approval fe	e			
	Technical details	of the equipment			
Equipment category	□GSM	□CDMA	□LTE		
	□TETRA	☐ Amateur Radio	☐ Private Mobile Radio		
	☐ PMR radio	□Radar	□RLAN		
	□WiMAX	□FWA	□Microwave		
	☐ Sound Broadcasting	☐ TV Broadcasting	☐ Cordless phone		
	□SRD	□RFID	☐ Satellite radio		
	☐ Radio navigation	☐ Satellite TV	□VSAT		
	☐ Other (please specify):				
Intended use					
(e.g. handset, etc.)					
Model number					
Brand name					

Type number							
Country of origin							
Frequency range	From			MHz to			MHz
	From			GHz to			GHz
Output Power [mW]				Bandwidth			
radiated:							
Conducted:							
Transmission Capacity				Channels			
Channel Spacing				Frequency			
				Stability			
Modulation type				ITU			
(e.g. AM, FM, OFDM,				Emission			
etc.)				designator			
Antenna Type	☐ Integ	ral:		External:			
Antenna Gain							
Interfaces		□ Power Source □ Connectors □ Software □ Others					
Technical Variants		To be declared in a separate document (Declaration / certificates)					
Equipment license	□Licen	se required		☐ License n	ot re	quired	
requirement							
		Standards cor	nplia				
EMC				Test report No			
Radio				Test report No			
Health and Safety				Test report No			
Technology specific				Test report No	D :		
		Signature of					
Name (printed):			Dat	e:			
Authorized Signature							
of Applicant:	of Applicant:						
ATRA section							
Approved by			Dat	e of issue			
Certification Number							

Provisional Type Approval form

Applicant's details (tick appropriate / insert registration number)			
☐ Manufacturer (local or international)			
☐ Person (individual or company – own use)			
☐ Licensed Operator			
☐ Authorized Importer - Import Registration			
No.:			
Company Name			
Contact Person			
Address			
P.O. Box			
Telephone			
Mobile			
E-mail			
Technical details of the equipment			
Equipment category	□GSM	□CDMA	□LTE
	□TETRA	☐ Amateur Radio	☐ Private Mobile Radio
	☐ PMR radio	□Radar	□RLAN
	□WiMAX	□FWA	□ Microwave
	☐ Sound Broadcasting	☐ TV Broadcasting	☐ Cordless phone
	□SRD	□RFID	☐ Satellite radio
	☐ Radio navigation	☐ Satellite TV	□VSAT
	☐ Other (please specify)	:	
Country of origin			
Original Equipment			
Manufacturer			
Model number			
Brand name			
Serial Number or			
Unique Number of the			
Equipment			
Purpose of importing			
the Equipment			
Number of units			
Details of the proposed			
recipients of the units			
Duration of the test/			
evaluation			
Geographic footprint			
Signature of applicant			
Name (printed):		Date:	
Authorized Signature			
of Applicant:			
ATRA section			
Approved by		Date of issue	
Certification Number			