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PART I : SECTION (I) — GENERAL

TELECOMMUNICATIONS REGULATORY COMMISSION OF SRI LANKA

Radio And Telecommunications Terminal Equipment (RTTE) Type Approval Rules 2020

SRI LANKA TELECOMMUNICATIONS ACT, NO. 25 OF 1991 AS AMENDED

RULES made by the Telecommunications Regulatory Commission of Sri Lanka under Section 68 read with Sections 5(o), 5(q), 5 (v)& 5 (w) of the Sri Lanka Telecommunications Act, No. 25 of 1991 as amended by Act, No. 27 of 1996.

Telecommunications Regulatory Commission of Sri Lanka.

Colombo,
17th June, 2020.

RULES

1) These Rules may be cited as the Radio and Telecommunications Terminal Equipment (RTTE) Type Approval Rules, 2020, hereinafter referred to as "RTTE Type Approval Rules".

2) RTTE Type Approval Rules shall come into effect on 16/12/2020.

3) RTTE Type Approval Rules are applicable to all types of RTTE intended to be imported, marketed, manufactured or used in Sri Lanka.

4) RTTE Type Approval Rules are more fully set out hereinafter:

Part I: Purpose, Scope and Objectives of the RTTE Rules
Part II: Definitions and abbreviations
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Part 1: Purpose, Scope and Objectives of the RTTE Rules

1. Purpose

1) The purpose of the Radio and Telecommunications Terminal Equipment (RTTE) Type Approval Rules is to ensure a RTTE which is to be used in Sri Lanka complies with the regulatory standards setout in these Rules and requirements for compatibility and safety. Type Approval ensures good network performance, prevent distortion and degradation of network, avoid interference, safeguard and preserve network integrity and eliminate dumping of inferior or sub-standard equipment to the market.

2. Scope

1) RTTE Type Approval Rules are applicable for all types of RTTE intended to be imported, marketed, manufactured or used in Sri Lanka. The Commission requires that all RTTE should obtain the type approval before importing,marketing and operating in Sri Lanka.

2) The importation of certain types of RTTE (to be determined by the Commission from time to time) may be exempted from Type Approval.
3) Individuals and business entities who intend to manufacture/import/sell/ use RTTE should first ensure that the equipment has been type approved by the Commission for use in Sri Lanka. The Commission maintains a Type Approval Register on its website containing the types of RTTE that are type approved by the Commission.

4) These Rules require RTTE to comply with relevant technical specifications and to be type approved by the Commission before releasing it to the market.

3. Mandatory Requirements for RTTE Type Approval

1) All RTTE shall obtain Type Approval from the Commission in terms of the Section 5(q) of the Sri Lanka Telecommunications Act, No. 25 of 1991 as amended.

2) Pursuant to the Section 10 of the Act, the Commission is the sole lawful body in Sri Lanka to manage and control the use of the radio frequency spectrum. The mitigation of interference among users is one of the main functions of spectrum management. The adoption of proper technical specifications that demonstrably will eliminate/minimise interference among the users of RTTE. Technical specifications of RTTE shall conform to the Type Approval requirements of the Commission that would ensure effective and efficient management of spectrum.

4. Objectives

1) The main objectives of the RTTE Type Approval Rules are therefore to:

   a. Define the process for the Type Approval of RTTE;

   b. Ensure the operating frequency of RTTE is in conformity with the National Frequency Allocation Table(NFAT) of Sri Lanka;

   c. Ensure that RTTE would operate within specified technical specifications without causing interference to other radio communications services or telecommunications networks and would not be susceptible to external sources of radio frequency interferences;

   d. Ensure that electromagnetic disturbances generated by RTTE does not degrade the operation of other equipment working in close proximity and RTTE should have an acceptable level of immunity to the electromagnetic disturbances which may occur as a result of the operation of other equipment nearby;

e. Enable the users to become aware of the need to ensure that RTTE conforms to national standards setout in Appendix E and RTTE Rules before procuring;

f. Protect the health and safety of end users from electrical hazards or any other harmful emissions that may arise out of use of RTTE ;

g. Safeguard users from RTTE that are non-compatible with the telecommunications networks in Sri Lanka;

h. Facilitate competition in the supply of RTTE and to stimulate the availability of a wide variety of RTTE at affordable prices to the users.

Part II- 2. Definitions and Abbreviations

5. Definitions

In these Rules, unless the context otherwise requires the following expression shall have the following meanings.
Accreditation: The process by which an authorized body formally recognizes that a person or an institution is competent to carry out specific tasks.

Category of RTTE: A term that relates to a broad range of RTTE for personal use such as mobile handsets, wireless routers, WiFi/ WLAN, laptop, fixed telephone, fax machine with wireless connection, etc.

Commission: The Telecommunications Regulatory Commission of Sri Lanka established by virtue of the Sri Lanka Telecommunications Act, (Amendment) No. 27 of 1996.

Declaration of Conformity (DoC): DoC is a sworn statement issued by a manufacturer of a RTTE in accordance with ISO/IEC 17050: 2004 that RTTE conforms to these Rules and the Standards by issuing such document, the manufacturer also declares that they have executed all the tests and measurements that relate to said standards, and such tests and measures have shown full compliance with the standards' reference parameters.

Electromagnetic Compatibility (EMC): EMC means the ability of an electronic device to function satisfactorily in its electromagnetic environment without introducing intolerable electromagnetic disturbances to anything in that environment. RTTE should meet EMC standards set by the Commission before it is placed on the market.

Inductive Loop Systems: means radio apparatus which operate by producing a controlled magnetic field within which a predetermined recognisable signal is formed. Examples include shop anti-theft tagging systems, car immobiliser keys and door access tokens.

Interface: Means (i) a network termination point, which is a physical connection point at which a user is provided with access to a public telecommunications network, and/or (ii) an air interface specifying the radio path between radio equipment and their technical specifications.

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.

Own Use: A type of RTTE that a person (Individual or Corporate entity) intends to use for their own activities.

Personal Use: A type of RTTE that an individual does not use for commercial purposes.

Radio and Telecommunications Terminal Equipment (RTTE): Telecommunications Apparatus employing Wireless technologies that capable of communication by means of the emission and/or reception of radio waves propagate in free space utilizing the radio spectrum.

Short Range Devices (SRD): Short Range Devices mean radio transmitters which provide either unidirectional or bidirectional communications, which have low capability of causing interference to other radio communications equipment. They are used with either integral, dedicated or external antennas, and all modes of modulation are permitted subject to relevant standards.

Technical Standard: Means those technical specifications published by the Commission or other technical requirements identified by the Commission, including interface or inter-working requirements published by network operators in Sri Lanka, deemed by the Commission to be relevant to the RTTE.

Technical Construction File (TCF): TCF is a dossier comprising all the necessary technical documentation required for the standard Type Approval application.

Testing Laboratory: It refers to "Testing Laboratories" as laboratories where the appropriate equipment, supplies, and certified expertise are available to conduct tests with regards to technical standards, including telecommunications, EMC and health and safety.

Type Approval: Type Approval is granted to a RTTE that meets a minimum set of regulatory, technical and safety requirements of the Commission. Type approval is required before a RTTE is allowed to be marketed in Sri Lanka.

Type Approval Certificate: A document issued by the Commission stating that the RTTE complies with the applicable standards specified in Appendix E of this document.

Vendors License: A license issued under Section 21 of the Act to manufacture, import or sell Telecommunications Equipment into the local market.

6. Abbreviations

DoC: Declaration of Conformity
EIRP: Effective Isotropic Radiated Power
EMC: Electromagnetic Compatibility
ETSI: European Telecommunications Standards Institute
IEC: International Electrotechnical Commission
ILAC: International Laboratory Accreditation Cooperation
ISO: International Organization for Standardization
ITU: International Telecommunication Union
NFAT: National Frequency Allocation Table
PCB: Printed Circuit Board
RAN: Radio Access Network
RTTE: Radio and Telecommunications Terminal Equipment
TCF: Technical Construction File
TETRA: Terrestrial Trunked Radio

7. Rules Appendices

1) The RTTE Rules shall be read in conjunction with the following Appendices in Part VII which are deemed to be an integral part of these Rules.

Appendix A - Standard Type Approval Form
Appendix B - Simplified Type Approval Form
Appendix C–Guidance for preparation of Declaration of Conformity (DoC)
Appendix D - Type Approval and Other Applicable Fees
Appendix E -RTTE Type Approval Standards
Appendix F - Type Approval Certificate
Appendix G - Type Approval Label
Appendix H - Application for a Permit to Import Representative Sample(s) of RTTE for Type Approval
Appendix I -Application for Custom Clearance of Representative Sample(s) of RTTE for Type Approval
Appendix J -Application for a Permit to Import RTTE
Appendix K - Application for Custom Clearance of RTTE for Commercial Purposes
Appendix L - Application for Custom Clearance of RTTE for Personal Use
Appendix M - Application for Permission to Re-export RTTE

Part III: Application Procedure for Type Approval

8. Type Approval Application

1) An application for Type Approval shall be made using the prescribed application form for relevant category of Type Approval that can be found in Appendix A & Appendix B of these Rules. Electronic version of the applications can be downloaded from the official website of the Commission.

2) A separate application should be made for each type of RTTE which is intended to be marketed in Sri Lanka. One application covers only particular model and/or brand of RTTE.

3) Following are the parties eligible to apply for Type Approval under these Rules.

   a. Organizations/ entities who possess a valid Vendors license issued under Section 21 of the Act to manufacture or import RTTE;

   b. Persons (individuals/corporate entities/manufacturers or their authorised agents) willing to import RTTE for their own use after having obtained the necessary approvals from the Commission.

9. Processing of Application

1) An applicant who applies for Type Approval of RTTE shall follow one of the processes, namely:

   a. Standard Type Approval –any RTTE that has not been type approved before by the Commission should undergo the Standard Type Approval Process.

   b. Simplified Type Approval - simplified Type Approval process should be followed in the case that the RTTE has already been Type Approval by the Commission.

2) No application for Type Approval (whether Standard or Simplified) will be processed until all required supporting documents referedto in Sections 10 &11 together with proof of payment of the relevant Type approval fee are submitted to the Commission. This may include the submission of any other additional information that is deemed necessary by the Commission for the purpose of Type Approval.

3) A flow chart of the Type Approval process is set out below in Figure 1.

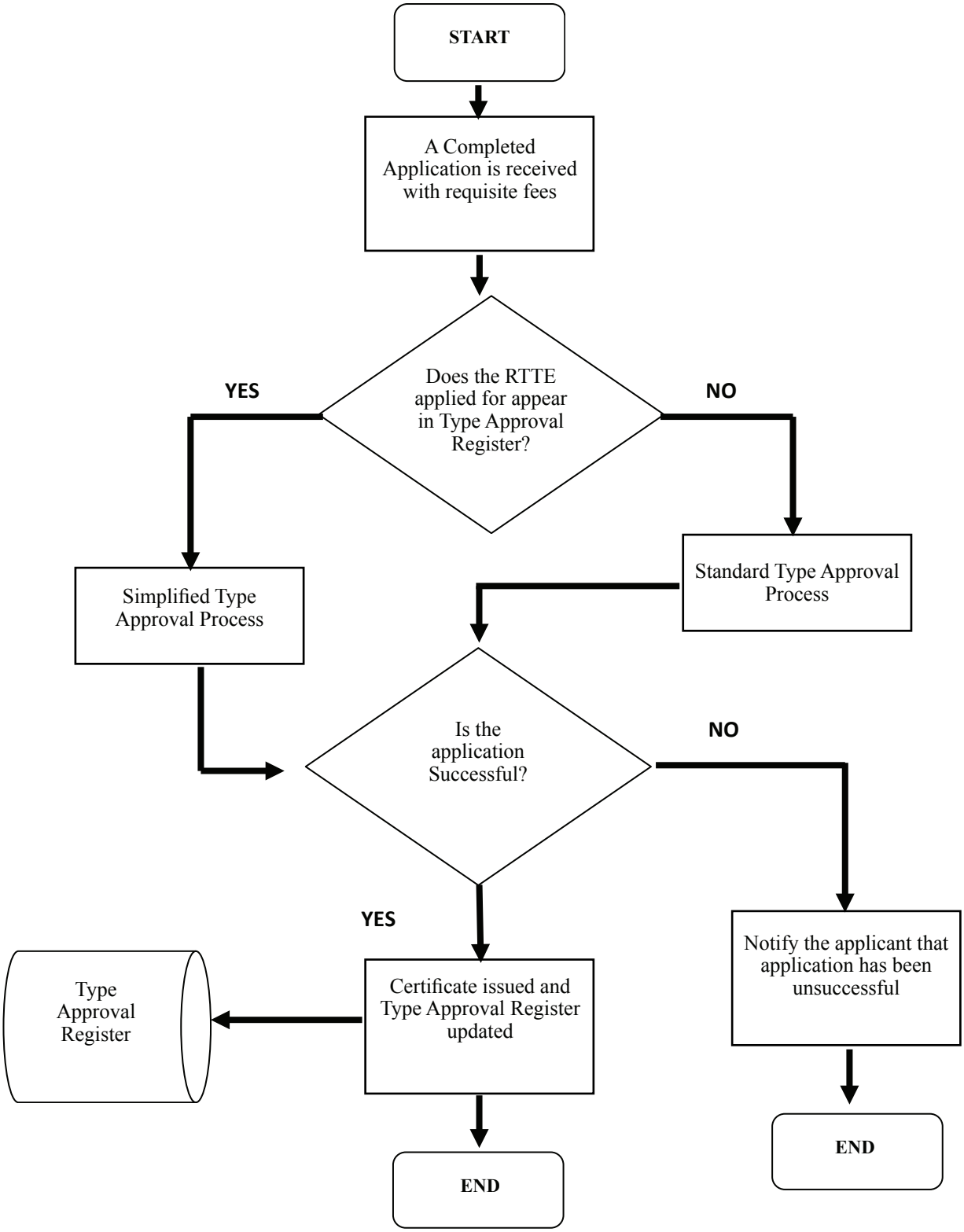

Figure 1 : Type Approval Process

4) The Commission reserves the right to reject an application made under the RTTE Type Approval Rules which is incomplete or which is not supported by all the information requested or as a result of the applicant's failure to comply with these Rules. In case of rejection, the Type Approval fee will not be refunded. The Applicant may, however, address the non-compliance and submit a new application for Type Approval when appropriate.

5) All information presented to the Commission will be treated as confidential and will not be disclosed to third parties.

6) The completed Type Approval application together with all supporting documents and relevant application fee for either Type Approval schemes should be hand delivered or mailed to the following address.

Director General of Telecommunications
Telecommunications Regulatory Commission of Sri Lanka
276, Elvitigala Mawatha
Colombo 08.

Part IV: Type Approval Regime

10. Standard Type Approval

1) An application for Standard Type Approval shall be made using the prescribed application form that can be found in Appendix A of these Rules.

2) The processing period of an application for Type Approval under the Standard Type Approval process takes up to thirty (30) working days from the date on which the complete application package has been submitted to the Commission.

3) A representative sample of the RTTE concerned should be submitted along with the application. The Commission reserves the rights to require up to two sample units of the RTTE being applied for Type Approval.

4) An application for Standard Type Approval must be accompanied by a Technical Construction File (TCF).TCF contains all suitable test reports and other supporting documents demonstrating compliance of the RTTE with the relevant standards recognized by Commission.The format of the TCF is flexible to accommodate the needs of different RTTE types but it must comply with the format and other requirements of ISO/IEC 17050-2:2004. TCF should cover the design, manufacture and operation of the RTTE and include the following:

   a. A Declaration of Conformity: A Declaration of Conformity (DoC) is a document which is drawn up by the manufacturer of the RTTE on company letterhead and signed by an authorized representative of that company, confirming that the RTTE complies with technical specifications (radio, health & safety, EMC) that apply in Sri Lanka. The Declaration of Conformity in the TCF should be prepared and maintained in accordance with ISO/IEC 17050-1:2004 standard.

      The Declaration of Conformity (DoC) shall be prepared in accordance with the directions and guidance (based on ISO/IEC 17050-1:2004 standard) given in the Appendix C.

   b. An index or table of contents;

   c. A brief technical description of the RTTE including an explanation of the intended use of the equipment as presented to the user and any installation specific information relevant to compliance;

   d. Identification of the radio communications networks concerned and any intentional radio spectrum usage;

e. Identification of software and firmware that may affect any network interface or have an effect on radio frequency emissions;

f. Circuit diagrams and Printed Circuit Board (PCB) layouts for those parts of the RTTE which have a direct impact on compliance with the technical requirements. For example: network interface circuits and radio interfaces (antennas or connection points for antennas); audio components in live speech equipment; line signalling; ports for connecting other equipment; power supplies and all network affecting elements;

g. Photographs of both the interior assembly and exterior of the product sufficient to permit a person to determine that a product is the same as that submitted for Type Approval;

h. If the equipment is an interface card or module for installation in host equipment, the description should give sufficient information for compatible hosts to be determined;

i. If the equipment supports encryption systems, provide the details of the encryption types from the manufacturer;

j. Test reports issued by accredited Testing Laboratories recognized by the Commission morefully described in Section 14 of these Rules should demonstrate that the RTTE complies with the relevant standards specified by the Commission with respect to:

   i. The protection of the health and the safety of the user;
   ii. Effective use of radio frequency spectrum for radio communication equipment;
   iii. Electromagnetic Compatibility.

k. A test report is only valid if it was prepared for the RTTE for which approval is being applied for and if no modifications have been made to the RTTE following the completion of the test report.

5) The Commission may, where it deems necessary, request the applicant to submit additional supporting documents.

6) The samples submitted with Type Approval application will be retained for a period of two (2) years, other than samples of RTTE in tables 4&5 of Appendix E**,**and to ensure the RTTE in the market place is identical to the sample which submitted to the Commission for Type Approval. The Commission does not guarantee the return of the sample in good working condition, since some of type approval tests could be destructive.

11. Simplified Type Approval

1) An application for Simplified Type Approval shall be made using the prescribed application form which is in Appendix B of these Rules.

2) Simplified Type approval is applicable for RTTE that appears on the Commission's Type Approval Register which was approved by the Commission at the time of application is made.The applicants should ensure that the RTTE applied for is identical to the RTTE that is already type approved and appears on the Type Approval Register.

3) This process of Simplified Type Approval does not require the submission of test report; however, a representative sample would be required.

4) An application for Simplified Type Approval will normally be processed within ten (10) working days from the date upon which the complete application package has been received.

12. Type Approval Fee

1) Type Approval fee is intended to cover the administrative costs incurred by the Commission for operating and administering the Type Approval System, including the assessment of Type Approval applications and market surveillance.

2) The Type Approval fee is non-refundable and is payable by the applicant in advance.

3) The prescribed Type Approval fee shall be paid at the time of submission of the Type Approval application and proof of payment for Type Approval should be provided with the application. The fee for Type Approval will be charged per each type of RTTE, as set out in Appendix D of these Rules.

4) An initial schedule of Type Approval and other applicable fees for the different types of equipment is set out in Appendix D to these Rules. The Type Approval fees may be reviewed by the Commission from time to time as necessary.

13. Type Approval Standards

1) The Commission will establish and publish up-to-date versions of Type Approval Standards applicable to RTTE in accordance with generally accepted international standards, protocols and with the international commitments and obligations of Sri Lanka.

2) The initial version of the RTTE Type Approval Standards is set out in Appendix E to the Type Approval Rules. Appendix E lists the Type Approval Standards and Specifications applicable to RTTE intended to be used in Sri Lanka.

3) RTTE Type Approval Standards shall be classified in order to efficiently utilise the radio frequency spectrum effectively and to ensure safety, electromagnetic compatibility (EMC) or physical interoperability (which can cover optical, electrical or radio systems). The Type Approval standards do not address matters of equipment performance or quality.

4) RTTE Type Approval Standards in the Appendix E that are based on following international standards:

   a. The European Telecommunications Standards Institute (ETSI);
   b. The International Electro-technical Commission (IEC);
   c. International Telecommuincations Union(ITU)

5) In the absence of an applicable RTTE Type Approval Standards, Commission shall decide, on a case-by-case basis, whether the RTTE concerned may be type approved.It is required that all RTTE:

   a. Does not generate electromagnetic disturbance exceeding the level above which RTTE or other equipment cannot operate as intended;

   b. Has a level of immunity to the electromagnetic disturbance to be expected in its intended use which allows it to operate without unacceptable degradation of its intended use;

   c. Makes efficient use of the radio spectrum.

14. Recognized Test Laboratories

1) The applicants should submit test results only from accredited test laboratories recognized by the Commission for Type Approval. The date of the test report shall not be older than three(3) months at the date of application. The test reports that are issued by non-accredited Laboratories will not be accepted.

2) The Commission recognizes results of testing performed by a test laboratory which meets the following conditions:

   a. The laboratory is compliant with ISO/IEC 17025 and;

   b. Compliance to ISO/IEC 17025 is certified by an Accreditation Body, who is a member of the International Laboratory Accreditation Cooperation (ILAC). A list of Accreditation Bodies who are members of ILAC can be found by clicking on the link: http://ilac.org/ilac-membership/members-by-economy/

15. Type Approval Certificate

1) The Commission shall issue a Type Approval Certificate on consideration of a duly completed application. Thereafter a corresponding entry shall be made in the Type Approval Register of the Commission. A specimen of the Type Approval Certificate is enclosed in Appendix F.

2) The Commission shall inform all unsuccessful applicants by a letter with reasons for rejecting the application.

16. Type Approval Register

1) The Type Approval Register shall contain detailed information on all Type Approved RTTE (make, model, version, description of the RTTE, Type Approval number, name of Type Approval holders etc.) by the Commission for import, manufacture, sale and use in Sri Lanka. The Type Approval Register is made available to the public on the Commission's website.

2) The information in the Type Approval Register shall include, but will not be limited to:

   a. Company, Organization, Entity, Individual, etc.
   b. Type of Equipment
   c. Make/Model/Version
   d. Manufacturer
   e. Country of Manufacture
   f. Frequency Band
   g. Emission Designation
   h. Bandwidth and Frequency Spacing
   i. Type of modulation
   j. Power Supply
   k. Effective Isotropic Radiated Power (EIRP)

3) The Commission will also publish a notice to inform the public & industry about the revocation of a Type Approval and list of RTTE exempted from Type Approval.

4) The information in the Type Approval Register is derived from the application presented for Type Approval by the applicant. The applicant is responsible for the accuracy of this information.

17. Modifications to RTTE

1) Whenever RTTE is modified in respect of manufacturing brand name, equipment name, model, version, design or function, the Commission shall be notified immediately.

2) A new application for Type Approval should be made in accordance with the requirements of these Rules in the following circumstances that:

   a. An existing Type Approved RTTE is modified with respect to manufacturing brand name, equipment name, model, version, design or function or any change that affect any of the information recorded in the Type Approval Register or the Declaration of Conformity;

   b. Changes to the Type Approved RTTE may affect compliance with the applied standards and requirements to which it has been previously tested and validated;

   c. Whenever changes to the Type Approved RTTE may affect a network interface or have an effect on the specific essential requirements relating to safety, EMC or radio frequency behaviour of the concerned RTTE.

3) If modifications to Type Approved RTTE are essentially cosmetic and do not have any effect on the specific essential requirements relating to the operating frequency, safety, EMC or do not affect the functions of telecommunications

Part V: Regulatory Framework

18. Labelling

1) Labelling is the process of affixing a label and a specified Type Approval number on the Type Approved RTTE which is supplied to the Sri Lankan market, indicating its compliance with the Commission's approved technical standards and requirements for the purpose of improving consumer's confidence in RTTE.

2) Printed labels shall be obtained from the Commission after payment of the prescribed a fee as stipulated in Appendix D.Thecost of the labels is additional to the Type Approval fee. A specimen of a label is shown in the Appendix G of these Rules.

3) All Type Approved RTTE shall have a label permanently affixed on the packaging of RTTE.

4) The Commission shall not take any responsibility with regard to quality or durability of the product registered by the Commission.

5) The Commission reserves the right to take appropriate regulatory action against the responsible party who has affixed a label found to be faked.

19. Monitoring and Surveillance

1) Those who manufacture, import,supply and sale of RTTE are expected to comply with Type Approval requirements and relevant technical specifications of RTTE in which they deal with.

2) The Commission may perform market surveillance activities from time to time to ensure that only Type Approved RTTE is sold in Sri Lanka. Such surveillance activities may result from a complaint, a report of interference, visual inspection of RTTE in a retail outlet, inappropriate advertising or simply random selection.

3) The authorized officers of the Commission shall be allowed to enter at any reasonable time the premises of the importer, manufacturer,supplier or vendor places of storage, shops and showrooms for inspection purposes of RTTE.

4) Where it is found that RTTE does not conform to the relevant technical specification, the Commission will take appropriate measures to withdraw the RTTE in question from the market or other enforcement measures that may be deemed as appropriate by the Commission.

5) The Importers, Suppliers or Vendors of RTTE shall cooperate with Commission such activities and provide the equipment or sample units of it and/or make all the supporting documentation at the disposal of the Commission on request without delay and without costs. Sample will be returned to the holder at the end of the inspection.

6) The Commission may publish on its website information deriving from its monitoring and surveillance activities.

20. Exempt from Type Approval

1) The following RTTE are exempted from Type Approval for manufacture,import, sale and use in Sri Lanka provided that RTTE should meet the relevant technical specifications as specified in Appendix E.

    a. A short range infrared remote control equipment includes TV remote controls, garage door opener;
    b. RTTE is embedded in Desktop Computers and Laptops that use short-range radio technologies such as WiFi, Bluetooth;
    c. Transmitter equipment with output power below 50 mW;

d. RTTE is installed in a vehicle as part of it such as car navigation units, remote car keys that use short range technologies such as WiFi, Bluetooth;
e. Individuals who brought RTTE into the country for their personal use under the Section 27.

21. Validity and Renewal of Type Approval

1) The Type Approval for any particular RTTE shall be valid for a period of four (4) years provided that the Type Approved RTTE (supplied to the market) maintains the same technical specifications including the operating frequency.

2) The Type Approval shall be subject to renewal upon a request from the applicant and other terms and conditions (such as violation of RTTE Rules, customer complaints etc.) as may be determined by the Commission. Type Approval holder shall apply for renewal at least sixty (60) days prior to the date of expiry of the Type Approval certificate using the prescribed application form in Appendices A & B for relevant category of Type Approval. No permission shall be granted to manufacture or import RTTE if Type Approval holder failed to apply for renewal before the due date.

22. Transfers

1) Type Approvals are not transferable to another party without the explicit consent of the Commission. In case of transfer, new applicant should satisfy the Commission that appropriate arrangements have been made for them to receive the necessary support of the party issuing the DoC including access to the supporting documentation.

23. Transitional Arrangements

1) Type Approval Authorisations issued for RTTE by the Commission prior to the promulgation of these Rules will remain valid for a period of sixmonths (06) pursuant to these Rules. RTTE whose Type Approval is pending will have to follow the new scheme.

2) Vendor license holders are authorized to import or sell RTTE under previous type approval scheme at the time new scheme comes into effect for a period of six (06) months from date of new scheme comes into effect.

24. Revocation of Type Approval

1) The Type Approval for any particular RTTE shall be revoked in the following instances:

a. At the request of the Type Approval holder of RTTE;

b. Any information or representative samples provided to the Commission is found to be counterfeited or false;

c. Type Approved RTTE that has been released to the market does not comply with the applicable Type Approval Standards;

d. Breach of these rules in respect of the registered RTTE;

e. Type Approval holder repeatedly fails to honour its obligations under the Commission;

f. Modifications are made to the RTTE with respect to the brand, name, model,version, function or any other information recorded on the Type Approval Certificate and/or Type Approval Register;

g. RTTE interferes with the operation of other radio communications equipment or a telecommunications network.

2) The Commission will notify the relevant Type Approval holder in writing of the revocation of their Type Approval certificate and the reasons thereof.

3) The Commission will publish a notification on its web site about the revocation of a Type Approval and the reasons of annulment of the same. The RTTE in question will be removed from the Type Approval register. All revoked Type Approval Certificates will be separately indicated on the Type Approval Register.

4) Upon revocation of a Type Approval, relevant Type Approval holder will not be permitted to either manufacture,import,sell or exhibit for sale RTTE which the Type Approval was cancelled. Upon revocation of a Type Approval, any party responsible for supplying the RTTE to the Sri Lankan market shall have to withdraw the non-compliant RTTE from the market within ninety (90) days of the notification date.

Part VI: Importation of RTTE

25. Importation of Representative Sample(s) for Type Approval

1) Those who wish to import a representative sample(s) of RTTE for Type Approval shall apply to the Commission in writing and obtain prior approval. The applicants should ensure that the representative sample(s) of RTTE which they import is in conformity with the applicable Technical Standards as specified in Appendix E.One application covers only particular brand and/or model of RTTE. The relevant application forms for permission to import representative sample(s) and subsequent Customs clearance can be found in Appendix H and Appendix I respectively. The maximum number of representative sample(s) for each type of RTTE shall not exceed two (02).

26. Importation of RTTE for Commercial Purposes and Own Use

1) Vendor license holders shall obtain prior approval of the Commission to import commercial quantities of RTTE that has already been type approved.

2) Persons (Individuals or Corporate entities) are also allowed to import Type Approved RTTE for their own use subject to payment of a fee prescribed fees as stipulated in Appendix D. The permission is only granted to import RTTE that Type Approved under these Rules.

3) Following are maximum number of quantities that can be allowed to bring into the country for own use subject to following conditions.

   a. Individuals are permitted to import total of five(05) units in all categories of RTTE within a time period of one year from the date of first importation of the RTTE;

   b. In the case of Corporate entities, they are allowed to import a total not exceeding 10 (ten) units in all categories of RTTE within a time period of one year from the date of first importation of the RTTE.

4) Persons (individuals or corporate entities) those who wish to import more equipment than the limits set out in paragraph 3) are required to obtain a Vendor license under Section 21 of the Act.

5) The applicants under paragraphs 1) &2) should apply for an authorization for importing RTTE into the country using the prescribed application form provided in Appendix J and is available for download on the official website of the Commission. No permission shall be granted to import used or refurbished RTTE into the country.

6) If the applicants meet the requirements outlined in RTTE Rules, Commission will issue a letter of approval to the Controller of Imports & Exports for the issuance of an import permit within three(3) working days from the date upon which the complete application package has been submitted to the Commission. The Commission may specify particular requirements to be met prior to the importation of RTTE.

7) Applications on certain categories of RTTE may require the clearance of Ministry of Defence in the interest of national security and in such cases the timing may be more than one (01) week.

8) Applicants who imported RTTE under the paragraph 1) & 2) are required to obtain no objection letter from the Commission for Custom purpose.An application for Customs clearance shall be made using the prescribed application form attached in Appendix K which is available for download on the official website of the Commission. The processing period of an application for Custom clearance takes up to three (03) working days from the date upon which the complete application package has been submitted to the Commission.

9) The Commission will issue no objection letter to Sri Lanka Customs for the clearance of goods subject to following conditions.

   a. Possession of import permit by the Controller of Imports & Exports;
   b. Possession of appropriate Frequency Licence under Section 22 of the Act (if applicable);
   c. On the settlement of invoice charges in full (if applicable);
   d. No partial shipment is permitted unless prior approval of the Commission is granted;
   e. Goods may be inspected at the relevant port of entry.

27. Importation of RTTE for Personal Use

1) The Commission also permits individuals to import/bring/receive a limited number of RTTE (complied with relevant technical standards in Appendix E) from abroad for their personal use when they return to the country. Individuals who brought RTTE into the country for their personal use should declare to the Sri Lanka Customs. They should furnish documentary evidence to prove that goods have been declared to the Customs when Comission's approval is sought for the Custom clearance. Individuals are permitted to import/bring/receive total of five(05) units in all categories of RTTE within a time period of one year from the date of first application for Customs clearance.RTTE which has been cleared from customs for personal use shall not be sold, hired or rented other parties in any circumstances.

2) An application for Custom clearance of RTTE for personal use should be made using the prescribed application form which is in Appendix L of these Rules.

28. Re-exportation of RTTE

1) If an application made under Section 26or 27is rejected, the Commission will notify the applicant of the rejection and issue a letter of permission to re-export all the RTTE rejected on request. The request should made within thirty (30) days from the date of rejection.Failure to do so,RTTE in the question will be confiscated.

2) In case of re-exportation of RTTE for repairs or replacements, an application shall be made to the Commission in accordance with the format specified in Appendix M.

Part VII: Appendices

29. Attachments

1) The RTTE Rules shall be read in conjunction with the following supporting documentations which are deemed to be an integral part of these Rules.

Appendix A - Standard Type Approval Form
Appendix B - Simplified Type Approval Form
Appendix C - Guidance for preparation of Declaration of Conformity (DOC)
Appendix D - Type Approval and Other Applicable Fees
Appendix E - RTTE Type Approval Standards
Appendix F - Type Approval Certificate
Appendix G - Type Approval Label
Appendix H- Application for a Permit to Import Representative Samples(s) of RTTE for Type Approval
Appendix I - Application for Custom Clearance of Representative Samples(s) of RTTE for Type Approval
Appendix J - Application for a Permit to Import RTTE for Commercial Purposes
Appendix K - Application for Custom Clearance of RTTE for Commercial Purposes
Appendix L - Application for Custom Clearance of RTTE for Personal Use
Appendix M - Application for Permission to Re-export RTTE

Appendix A - Standard Type Approval Form

Standard Type Approval Form For Radio And Telecommunications Terminal Equipment (RTTE)					
A. Category of the Applicant (tick appropriate)					
Vendors License Holder	☐	New Application	☐		
Individual or company (for own use)	☐	Renewal	☐	Type Approval Certificate Number	
B. Details of Applicant					
Name of Company/Applicant					
Business Registration Number.					
Name of Authorised Representative					
NIC Number					
Vendors License File Number *(Not applicable for own use)*					
Address					
Telephone		Fax		E-mail	
C. Details of Manufacturer					
Company Name					
Contact Person					
Address					
Telephone		Fax		E-mail	
D. RTTE Information					
Brand Name					
Model Number					
Trade Name (If any)					
Intended Use					
Hardware Version					
Software/Firmware Version					
Country of Manufacture					
Year of Manufacturing					

E. Type of RTTE (tick appropriate)			
Mobile Devices (2G ☐ 3G ☐ 3.5 G ☐ 4G ☐	☐	Amateur Radio	☐
Cordless Telephones	☐	Aeronautical Mobile	☐
CDMA	☐	Short Range Devices	☐
WiMAX	☐	Satellite Terminals	☐
WIFI	☐	Radio Navigation /Tracking	☐
LTE	☐	Maritime Mobile	☐
WLAN	☐	Navigational Aids	☐
RFID	☐	Others (please specify)	☐
Private Mobile Radio	☐		
F. Technical Specification of RTTE			
Operating Frequency Range			
Transmit		From …….. MHz/GHz to ……. MHz/GHz	
Receive		From …….. MHz/GHz to ……. MHz/GHz	
Bandwidth		Channels	
ITU Emission Designer		Frequency Stability	
Type of Modulation		Chanel Spacing	
Transmission Capacity		RF Output Power	
Type of Antenna	Integral ☐	External ☐	
Gain of Antenna		Serial /IMIE Number	
G. Test Reports			
Name of Laboratory Test Report Issued			
EMC Test Report Number & Date			
Radio Test Report Number & Date			
Health and Safety Test Report Number & Date			
H. Details of Declaration of Conformity			
Issuing Body			
Issuing Date			
Validity			

I. DECLARATION

I, applicant, hereby certify that the information and documents given in this application form is true and correct in all respects. I confirm that the submitted sample is representative of the RTTE as stated in this application form.

I agree to comply with any terms, conditions or restrictions which the Commission may impose and to be bound by the Act and Rules/Regulations in force.

I shall abide by the terms and conditions upon which the Type Approval is granted. I accept that Type Approval Certificate may be revoked if it is established that I have been granted the Type approval based on incorrect information.

Applicant's Signature:	Date:

Supporting Documentations and Representative Samples

The Following list of documents and a representative sample of the RTTE should be submitted along with the application.

1. Technical Construction File (TCF). (The Section 10 of the RTTE Rules is morefully described how to compile TCF)
    a. Declaration of Conformity issued by the manufacturer of the RTTE
    b. Technical/operational documentation of the RTTE including user manual
    c. Test Reports of accredited laboratory
    d. Circuit diagram, PCB layout, part lists and other relevant design information
    e. Test reports issued by accredited testing laboratories recognized by Commission as per Section 14 of the RTTE Rules
2. Proof of approved TAC by GSMA for Mobile Devices
3. Proof of Payment of applicable Type Approval Fees

For Internal Use

Date of Application received		Signature:	
Additional Details/Comments			
Date of Decision on application		Signature:	
Certification Number: (if Application is successful)			
Reasons if rejected (Missing Data, etc.)			
Date of decision sent to applicant		Signature:	

Appendix B -Simplified Type Approval Form

Simplified Type Approval Form For Radio And TelecommunicationTerminal Equipment (RTTE)					
A. Category of the Applicant (tick appropriate)					
Vendors License Holder ☐		New Application ☐			
Individual or company (for own use) ☐		Renewal ☐	Type Approval Certificate Number		
B. Details of Applicant					
Name of Company /Applicant					
Business Registration No.					
Name of Authorised Representative					
NIC Number					
Vendors License File Number *(Not applicable for own use)*					
Address					
Telephone		Fax		E-mail	
C. Details of Manufacturer					
Company Name					
Contact Person					
Address					
Telephone		Fax		E-mail	
D. RTTE Information					
Brand Name					
Model Number					
Trade Name (If any)					
Intended Use					
Hardware Version					
Software/Firmware Version					
Country of Manufacture					
Year of Manufacturing					

E. Type of RTTE (tick appropriate)			
Mobile Devices ☐ (2G ☐ 3G ☐ 3.5 G ☐ 4G ☐		Amateur Radio ☐	
Cordless Telephones ☐		Aeronautical Mobile ☐	
CDMA ☐		Short Range Devices ☐	
WiMAX ☐		Satellite Terminals ☐	
WIFI ☐		Radio Navigation/Tracking ☐	
LTE ☐		Maritime Mobile ☐	
WLAN ☐		Navigational Aids ☐	
RFID ☐		Others (please specify) ☐	
Private Mobile Radio ☐			
F. Technical Specification of RTTE			
Operating Frequency Range			
Transmit		From …….. MHz/GHz to ……. MHz/GHz	
Receive		From …….. MHz/GHz to ……. MHz/GHz	
Bandwidth		Channels	
ITU Emission Designer		Frequency Stability	
Type of Modulation		Chanel Spacing	
Transmission Capacity		RF Output Power	
Type of Antenna	Integral ☐	External ☐	
Gain of Antenna		Serial/IMIE Number	
G. Test Reports			
Name of Laboratory Test Report Issued			
EMC Test Report Number & Date			
Radio Test Report Number & Date			
Health and Safety Test Report Number & Date			
H. Details of Declaration of Conformity			
Issuing Body			
Issuing Date			
Validity			

I. DECLARATION	
I, applicant, hereby certify that the information and documents given in this application form is true and correct in all respects. I hereby confirm that the submitted sample is representative of the RTTE as stated in this application form. I agree to comply with any terms, conditions or restrictions which the Commission may impose and to be bound by the Act and Rules/Regulations in force. I shall abide by the terms and conditions upon which the Type Approval is granted. I accept that Type Approval Certificate may be revoked if it is established that I have been granted the Type approval based on incorrect information.	
Applicant's Signature:	Date:
Supporting Documentations and Representative Samples	
The Following list of documents and a representative sample of the RTTE should be submitted along with the application. 1. Proof of approved TAC by GSMA for Mobile Devices 2. Proof of Payment of appropriate Type Approval Fee	

For Internal Use			
Date of Application received :		Signature:	
Additional Details/Comments			
Date of Decision on application		Signature:	
Certification Number (if Application is successful)			
Reasons if rejected (Missing Data, etc.)			
Date of decision sent to applicant:		Signature:	

Appendix C- Guidance for Preparation Declaration of Conformity (DoC)

As set out in the ISO/IEC 17050-1:2004, a Declaration of Conformity (DoC) should include the following information:

a. Unique identification of the DoC;
b. The name and contact address of the issuer of the DoC;
c. The identification of the object of the DoC (e.g. name, type, date of production or model number of the product, and other relevant supplementary information);
d. The statement of conformity;
e. A complete and clear list of product standards or other specified requirements, as well as the selected options, if applicable;
f. The date and place of issue of the Declaration of Conformity;
g. The signature (or equivalent sign of validation), name and function of the authorized person(s) acting on behalf of the issuer;
h. Any limitation on the validity of the DoC;
i. The name and address of any accredited Testing Laboratory involved (e.g. testing or calibration laboratory, inspection body, certification body);
j. Reference to the existence of associated supporting documentation such as that described in ISO/IEC 17050-2:2004.

The Declaration of Conformity and the evidence on which it is based shall be held at the disposal of the Commission for 5 years after the last RTTE concerned has been supplied in the Sri Lanka.

Appendix D - Type Approval and Other Applicable Fees

	Description	Type of Service	Fee (Rs.)
1	Standard/Simplified Type Approval Application (New/Renewal)	Fixed Wireless	20,000
		Fixed Wireless (Miscellaneous)	20,000
		Public Mobile	25,000
		Private Mobile	10,000
		Satellite Terminals	35,000
		Short Range Devices	7,500
2	Importation of a RTTE for Own Use (Corporate entities)	Other than Satellite Terminals	2,000
		Satellite Terminals	20,000
3	Importation of a RTTE for Personal Use (Individuals)	Other than Satellite Terminals	-
		Satellite Terminals	20,000
4	Type Approval Labels (50 Labels Packet)	All Services	2,500
5	Additional Fee for Fast Track Type Approval (Standard) within ten (10) working days	All Services	35,000
6	Additional Fee for Fast Track Type Approval (Simplified) within five (05) working days	All Services	45,000
7	Issuance of Duplicate Type Approval Certificate	All Services	5,000
8	Type Approval Transfer Fee	All Services	30,000

Appendix E – RTTE Type Approval Standards

These Technical standards cover three groups of requirements of compliance imposed by the Commission on RTTE:

a. Effective use of radio frequency spectrum for RTTE
b. Protection of the health and the safety of the user
c. Electromagnetic Compatibility

For the purposes of use of this Appendix to the Rules, the following international bodies are referred to:

- ETSI- European Telecommunications Standards Institute
- IEC- International Electro-technical Commission
- ITU- International Telecommunications Union

The Tables 1 to 6 in this Appendix list the Technical Standards requirements applicable to all RTTE intended to be used in Sri Lanka.

- Table1-Applicable Standards- Fixed Wireless
- Table 2-Applicable Standards- Wireless (Miscellaneous)
- Table 3-Applicable Standards- Public Mobile
- Table 4-Applicable Standards- Private Mobile
- Table 5 - Applicable Standards- Satellite
- Table 6 - Applicable Standards- Short Range Devices

Table1-Applicable Standards- Fixed Wireless

Type of Service		Frequency Band	Applicable Standards		
			Health & Safety	Radio Interface	EMC
1	Wireless Local Loop(WLL)Subscriber Equipment, and Ancillary Equipment	3400-3600MHz	EN 60950 EN 50385	EN 302 217-2-2 EN 302 217-3 EN 302 217-4-2 EN 302 326-2 EN 302 326-3	EN 301 489-1 EN 301 489-4
2	WiMAX Subscriber Equipment, and Ancillary Equipment	2300- 2400 MHz 3400 – 3600 MHz 3600 – 3800 MHz	EN 60950 EN 50385	EN 301 753 EN 301 893	EN 301 489-1 EN 301 489-17
3	CDMA Subscriber Equipment, and Ancillary Equipment	452-457MHz 824 – 834 MHz	EN 60950 EN 50360 EN 50361	EN 300 328 EN 301 526	EN 301 489-1 EN 301 489-17 EN 301 489-25

Table 2-Applicable Standards- Wireless (Miscellaneous)

Type of Service		Frequency Band		Maximum Field Strength/ RF Output Power (EIRP)	Applicable Standards		
					Health & Safety	Radio Interface	EMC
1	Analogue Cordless Telephones, Base Stations and Ancillary Equipment	(Base) 43.72- 46.97MHz		90dBµV/ m@3m	EN 60950	EN 301 796 EN 301 797	EN 301 489-1 EN 301 489-10
		(Handset) 48.76 -49.976MHz					
2	Digital Cordless Telephones, Base Stations	2400- 2483.5 MHz		200mW	EN 60950 EN 50385	EN 300 328	EN 301 489-1 EN 301 489-17
		5150-5350 MHz		500mW		EN 301 893	
		5470 – 5850 MHz					
3	WLAN (WiFi Router) *only for outdoor applications	2400- 2483.5 MHz		200/1000*mW	EN 60950 EN 50385	EN 300 328	EN 301 489-1 EN 301 489-17
		5150-5350 MHz		200mW		EN 301 893	
		5470 – 5725 MHz		500/1000*mW			
		5725-5850 MHz		1000/2000*mW			
4	WLAN (WiFi Router) with WiMAX	WIMAX	2500 - 2686 MHz	Network Dependent	EN 60950 EN 62479	EN 301 753 EN 301 893	EN 301 489-1 EN 301 489-17
			3400 – 3600 MHz				
			3600 – 3800 MHz				
		WLAN	2400-2483.5 MHz	200mW	EN 60950 EN 50385	EN 300 328	EN 301 489-1 EN 301 489-4 EN 301 489-17
			5150-5350 MHz	200mW		EN 301 893	
			5470 – 5725 MHz	500mW			
			5725-5850 MHz	1000mW			
5	WLAN (WiFi Router) with 3G	3G	1920- 1980 MHz	Network Dependent	EN 60950 EN 62479	EN 301 908-1 EN 301 908-2 EN 301 908-6	EN 301 489-1 EN 301 489-24
		WLAN	2400-2483.5 MHz	200mW	EN 60950 EN 50385	EN 300 328	EN 301 489-1 EN 301 489-4 EN 301 489-17
			5150-5350 MHz	200mW		EN 301 893	
			5470 – 5725 MHz	500mW			
			5725-5850 MHz	1000mW			
6	WLAN (WiFi Router) with 4G	4G	1710-1785 MHz	Network Dependent	EN 60950 EN 62479	EN 301 908-1 EN 301 908-2 EN 301 908-13	EN 301 489-1 EN 301 489-24
			2300 – 2385MHz				
			2570-2600MHz				
		WLAN	2400-2483.5 MHz	200mW	EN 60950 EN 50385	EN 300 328	EN 301 489-1 EN 301 489-4 EN 301 489-17
			5150-5350 MHz	200mW		EN 301 893	
			5470 – 5725 MHz	500mW			
			5725-5850 MHz	1000mW			

Table 2 - Wireless (Miscellaneous) (continued)

Type of Service		Frequency Band	Maximum Field Strength/RF Output Power (EIRP)	Applicable Standards		
				Health & Safety	Radio Interface	EMC
7	Radio Telemetry/ Tele Command Equipment	6765 - 6795 kHz	42dBµA/m @10m	EN 60950 EN 50371	EN 300 330-2	EN 301 489-1 EN 301 489-3
		13.553 -13.567 MHz	42dBµA/m @10m			
		26.957 -27.283 MHz	42dBµA/m @10m			
		433.05- 434.79 MHz	10mW		EN 300 220-2	
		863 - 870 MHz	25mW			
		2400 – 2483.5 MHz	10mW		EN 300 440-2	
		5725 - 5875 MHz	25mW.			
		24.00 – 24.25 GHz	100mW			
8	Automatic Identification System (AIS) Equipment	161.975 MHz	12.5 W	EN 60950	IEC 62287 IEC 61108-1 IEC 60945, IEC 61162-1 ITU-R M.1371-2 ITU-R M.493-9 ITU-R M.825-3	EN 301 489-1 EN 301 489-3
		162.025 MHz				
9	Tracking, Tracing & Data Acquisition Equipment	456.9- 457.1 kHz	7dBµA/m @10m	EN 60950	EN 300 718	EN 301 489-1 EN 301 489-3
		169.4-169.475 MHz	500mW		EN 300 220-2	
10	Animals Implantable Devices	315-600 kHz	-5dBµA/m @ 10m	EN 60950	EN 302 536-2	EN 301 489-1 EN 301 489-27 EN 301 489-31
		12.5-20.0 MHz	-7dBµA/m @10m		EN 300 330-2	
		5470 – 5725 MHz	500mW		EN 301 893	

Table 3-Applicable Standards- Public Mobile

Type of Service		Frequency Band	Applicable Standards		
			Health & Safety	Radio Interface	EMC
1	GSM (2G) handsets and ancillary Equipment	880-915MHz	EN 50360 EN 50361 EN 60950	EN 301 511	EN 301 489-1 EN 301 489-7
		1710-1777.5 MHz			
2	3G handsets and ancillary Equipment	1915- 1980 MHz	EN 50360 EN 50566 EN 60950 EN 62209-1	EN 301 908-1 EN 301 908-2 EN 301 908-6 (if it supports GSM and WLAN:EN 301 511, EN 300 328)	EN 301 489-1 EN 301 489-24 (if it supports GSM: EN 301 489-7)

Type of Service			Frequency Band	Applicable Standards		
				Health & Safety	Radio Interface	EMC
3	4G handsets and ancillary Equipment		1710-1720 MHz 1767.5- 1777.5MHz	EN 60950 EN 50360 EN 50566 EN62209-1	EN 301 908-1 EN 301 908-2 EN 301 908-13 (if it supports GSM and WLAN:EN 301 511,EN 300 328)	EN 301 489-1 EN 301 489-24 (if it supports GSM: EN301 489-7)
4	Wireless USB Adapter (Dongle)	3G/HSPA/4G	1710-1785 MHz 1915- 1980 MHz 2300 – 2400MHz 2500–2570 MHz 2570–2620 MHz	EN 60950 EN62311	EN 301 908-1 EN 301 908-2 (if it supports GSM:EN 301 511)	EN 301 489-1 EN 301 489-24 (if it supports GSM:EN 301 489-7)
		WLAN	2400-2483 MHz 5180-5825 MHz	EN50385 EN 60950	EN 300 328 EN301 893	EN 301 489-1 EN 301 489-17

Table 4 - Applicable Standards- Private Mobile

Type of Service		Frequency Band	Applicable Standards		
			Heal and Safety	Radio Interface	EMC
1	Analogue/Digital Private Mobile Radio Handsets and Ancillary Equipment	136 – 174 MHz 400 – 470 MHz	EN 60950	EN 300 086-2 EN 300 113-2 EN 300 296-2 EN 300 390-2 EN 300 471-2	EN 301 489-1 EN 301 489-5
2	Amateur Radio	1.800 – 2,000 MHz 3.500 – 3.900 MHz 7.000 – 7.100 MHz 10.100 – 10.150 MHz 14.000 – 14.350 MHz 18.068 – 18.168 MHz 21.000 – 21.450 MHz 24.890 – 24.990 MHz 28.000 – 29.700 MHz 50.000 -54.000 MHz 144.000 – 146.000 MHz 10450 – 10500 GHz	EN 60950	EN 301 783-2	EN 301 489-1 EN 301 489-15
3	Maritime Radio	156.025-174 MHz	EN 60950	EN 300 698 EN 301 025 EN 301 843	EN 301 489-1
4	Terrestrial Trunked Radio (TETRA) Handsets and Ancillary Equipment	380 – 399.9 MHz 410 – 430 MHz	EN 60950	EN 303 035-1 EN 303 035-2	EN 301 489-1 EN 301 489-18
5	Citizen Band Radio	26.960 – 27.410 MHz 446-446.0825 MHz	EN 60950	EN 300 135-2 EN 300 433-1	EN 301 489-1 EN 301 489-13

Table 5 - Applicable Standards - Satellite

Type of Service		Frequency Band	Applicable Standards		
			Health & Safety	Radio Interface	EMC
1	Satellite News Gathering (SNG) and Ancillary Equipment	14000 - 14500MHz	EN 60950	EN 301 430	EN 301 489-1 EN 301 489-20
2	V-SAT and Ancillary Equipment	6725 – 7025 MHz	EN 60950	EN 301 360 EN 301 443 EN 301 428 EN 301 459	EN 301 489-1 EN 301 489-12
		12750 – 13250 MHz			
		13750 – 14500 MHz			
		27500 – 27820 MHz			
		28450 – 28940 MHz			
		29460 – 30000 MHz			
3	Mobile Satellite Service (MSS)	1610 – 1626.5 MHz	EN 60950	EN 301 426 EN 301 441 EN 301 442 EN 301 444	EN 301 489-1 EN 301 489-20
		1626.5 – 1660.5 MHz			
		1668 – 1675 MHz			
		1980 – 2010 MHz			
		2670 – 2690 MHz			

Table 6 - Applicable Standards- Short Range Devices (SRD)

Type of Service		**Frequency Band**	**Maximum Field Strength/RF Output Power**	**Applicable Standards**		
				Health and Safety	**Radio Interface**	**EMC**
1	Wideband Data Transmission (Wireless LAN -WiFi)	2400-2483.5 MHz	200mW	EN 60950	EN 300 328	EN 301 489-1 EN301 489-17
		5150-5350 MHz	200mW			
		5470 -5725 MHz	1000mW		EN 301 893	
		5725-5875 MHz	1000mW			
2	Bluetooth Equipment	2400 –2483.5 MHz	100mW	EN 60950	EN 300 328 EN 300 440	EN 301 489-1 EN301 489-17

Type of Service		Frequency Band	Maximum Field Strength/RF Output Power	Applicable Standards		
				Health and Safety	Radio Interface	EMC
3	Inductive Applications	9- 59.75 kHz	72dBµA/m @ 10m	EN 60950	EN300 330-2	EN 301 489-1 EN 301 489-3
		60.250-70.000 kHz	69dBµA/m @ 10m			
		70-119 kHz	42dBµA/m @ 10m			
		119-135 kHz	66dBµA/m @ 10m			
		135-140 kHz	42dBµA/m @10m			
		140-148.5 kHz	37.7dBµA/m @10m			
		315-340MHz				
		6765 – 6795kHz	42dBµA/m @10m			
		7400 – 8800 kHz	9dBµA/m @10m			
		13.553-13.567 MHz	42dBµA/m @10m		EN 302 291-2	
		26.957-27.283 MHz	42dBµA/m @10m		EN 300 330-2	
4	Wireless Microphones	29.7 - 47.0 MHz	10mW	EN 60950	EN 300 422	EN 301 489-1 EN 301 489-9
		173.7 -175.1 MHz				
		863 - 865 MHz			EN 300 422 EN 301 357	
5	Hearing/Audio assistance aids	169.40 -175.00 MHz	500mW	EN 60950	EN 300 220-1	EN 301 489-1 EN 301 489-9
		180.00 – 200.00 MHz	112dBµV/m @10m			
		230-234.75MHz				
		487.00 – 507.00 MHz				
6	Alarms	169.475-169.4875 MHz	10mW	EN 60950	EN 300 220-2	EN 301 489-1 EN 301 489-3
		169.587-169.600MHz				
		869.30 -869.40 MHz				
		868.600-868.70 MHz				
7	Active Medical Implant Devices	9-315kHz	30dBµA/m @10m	EN 60950	EN 302 195	EN 301 489-1 EN 301 489-27 EN 301 489-31
		30– 37.5 MHz	1 mW		EN 302 510	
		401 – 402 MHz	25 µW		EN 302 537	
		402 – 405 MHz			EN 301 839	
		405 – 406 MHz			EN 302 537	
8	Radio Frequency Identification (RFID) Equipment	125kHz	1000mW	EN 60950	EN 300 330 EN 302 291	EN 301 489-1 EN 301 489-3
		13.553-13.567 MHz	60dBµA/m @10m			
		2446-2454 MHz	500mW		EN 300 440	
		865.0-865.6 MHz	100mW		EN 302 208	
		865.6-867.6 MHz	2000mW			
		867.6-869.0 MHz	1000mW			

	Type of Service	**Frequency Band**	**Maximum Field Strength/RF Output Power**	**Applicable Standards**		
				Health and Safety	**Radio Interface**	**EMC**
9	Radio Determination (Detection of Movement Equipment) Systems	2400 – 2483.5 MHz	25mW	EN 60950	EN 300 440-2	EN 301 489-1 EN 301 489-3
		9200 – 9500 MHz				
		9500 - 9975 MHz				
		10.5 – 10.6 GHz	500mW			
		13.4 – 14.0 GHz	25mW			
		24.05 – 24.25 GHz	100mW			
10	Animals Implantable Devices	315-600 kHz	-5dBµA/m @ 10m	EN 60950	EN 302 536-2	EN 301 489-1 EN 301 489-27 EN 301 489-31
		12.5-20.0 MHz	-7dBµA/m @10m		EN 300 330-2	
11	Car Smart Key Systems	433 MHz – 435 MHz	10mW	EN 60950	EN 300 220	EN 301 489-1 EN 301 489-3
12	Car Immobilizers and Alarm Systems	9 kHz – 148.5 kHz	72dBµA/m @ 10m	EN 60950	EN 302 291 EN 300 330	EN 301 489-1 EN 301 489-3
		3155 kHz – 400 kHz	13.5dBµA/m@10 m			
		6765 – 6795 kHz	42dBµA/m @10 m			
		7400 – 8800 kHz	9dBµA/m @ 10 m			
		13.553 – 13.567 MHz	60dBµA/m@ 10 m			
		26.957 – 27.283 MHz	42dBµA/m @10 m			
		433MHz – 435MHz	10mW		EN 300 220	
13	Road Transport and Traffic Telematics	5795 – 5805 MHz	2000mW	EN60950	EN 300 674-2	EN 301 489-1 EN 301 489-3
		5805 – 5815 MHz	2000mW			
		24050 – 24250 MHz	100mW		EN 302 288-2	
14	Remote Controls of Garage Door, Cameras and Toys	26.96 – 27.28 MHz	100mW	EN 60950	EN 300 220-1	EN 301 489-1 EN 301 489-3
		34.995 – 35.225 MHz				
		40.665 – 40.695 MHz	500mW			
		40.77 – 40.83 MHz				
		72.13 – 72.21 MHz				
15	Remote Controls of Aircraft and Glider Models	26.96 – 27.28 MHz	500mW	EN 60950	EN 300 220-1	EN 301 489-1 EN 301 489-3
		29.70 – 30.00 MHz				
16	Zigbee Equipment	902- 928 MHz	100mW	EN 60950	EN 300 220-2	EN 301 489-1 EN 301 489-3 EN 301 489-17
		2400 -2483.5 MHz			EN 300 328	
17	Ultra Wide Band (UWB) Technology Applications	1600 - 2700 MHz	-85dBm/MHz	EN 60950	EN 302 066-2	EN 301 489-1 EN 301 489-32 EN 301 489-33
		2700 - 3400MHz	-70dBm/MHz			
		3400 -4800 MHz	-70dBm/MHz		EN 302 065 EN 302 066-2	
		4800 - 6000 MHz	-70dBm/MHz		EN 302 066-2	
		6000 - 8500 MHz	-41.3dBm/MHz		EN 302 065 EN 302 066-2 EN 302 500-2	
		8500– 10600 MHz	-65dBm/MHz		EN 302 066	
		Above 10600 MHz	-85dBm/MHz			

Table 6 – Short Range Devices (SRD) (continued)

	Type of Service	Frequency Band	Maximum Field Strength/RF Output Power	Applicable Standards		
				Health and Safety	Radio Interface	EMC
18	Short Range Radar	10500 -10600 MHz	500mW	EN 60950	EN 300 440-2	EN 301 489-1 EN 301 489-3
		24050– 24250 MHz	100mW		EN 300 440-2 EN 302 288-2	
		57000 – 64000 MHz	-41.3dBm/MHz		EN 302 372-2	
		75000 – 85000 MHz				
19	Non-Specific Short Range Devices	6765 - 6795 kHz	42dBμA/m@10m	EN 60950	EN 300 330-2	EN 301 489-1 EN 301 489-3
		13.553 - 13.567 MHz				
		26.957 - 27.283 MHz				
		40.660 - 40.700 MHz	10mW		EN 300 220-2	
		434.040 -434.790 MHz	10mW			
		863.000 -870.000 MHz	25mW			
		869.400 -869.650 MHz	500mW			
		2400 - 2483.5 MHz	10mW		EN 300 440-2	
		5725 - 5875 MHz	25mW			
		24000 - 25000 MHz	100mW			

Note: The Dynamic Frequency Selection (DFS) and Transmit Power Control (TPC) requirements as stipulated in ITU-R Recommendation M.1652 should apply as follows on the use of 5 GHz band(5150-5350 MHz, 5470 – 5725 MHz, 5725-5875 MHz) applications.

Parameter	Value
DFS Detection Threshold	-62 dBm
Channel Availability Check Time	60 sec prior to channel use
Non Occupancy Period	30 min
Channel Move Time	10 sec
Automatic Transmit Power Control	At least 3dB on average (all devices)

Key to Standards

A. **Health and Safety Standards**

EN 50360

Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300MHz - 3 GHz).

EN 50361

Basic standard for the measurement of Specific Absorption Rate related to human exposure to electromagnetic fields from mobile phones (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 (Lessthan 20mW)

EN 50385

Product standard to demonstrate the compliance of radio base stations and Fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110 MHz - 40 GHz) – General public.

EN 50566

Applies to any wireless communication devices intended to be used with the radiating part of the equipment in close proximity to the human body (i.e. less than 200 mm) including devices operated in front of the face. The frequency range covered is 30 MHz to 6 GHz.

EN 60950

Safety of information technology equipment.

EN 62209-1

Human exposure to radio frequency fields from hand -held and body -mounted wireless communication devices—Human models, instrumentation, and procedures —Part 1: Procedure to determine the specific absorption rate (SAR) for hand -held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz).

EN 62311

A generic standard that is applicable for all electrical and electronic equipment that are not covered by a specific EMF product standard. Several EMF standards exist for various categories of electronic products.

EN 62479

Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) is listed in the Official Journal of the European Union as a Harmonized Standard under the R&TTE directive.

B. **Radio Interface Standards**

EN 300 086-1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; Part 1: Technical characteristics and methods of measurement.

EN 300 086-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment with an internal or external RF connector intended primarily for analogue speech; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

EN 300 113-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land mobile Service; Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

EN 300 135-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Angle modulated Citizens Band radio equipment (CEPT PR 27 Radio Equipment). Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

EN 300 220-2

Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 2: Harmonized EN covering essential requirements under Article 3(2) of the R&TTE directive.

EN 300 296-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; radio equipment using integral antennas intended primarily for analogue speech; Part 2: Harmonised EN covering essential requirements under Article 3.2 of the R&TTE Directive.

EN 300 328

Electromagnetic compatibility and Radio spectrum Matters (ERM) .- Wideband transmission systems - Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques - Harmonized EN covering essential requirements under article 3(2) of the R&TTE directive.

EN 300 330-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE directive.

EN 300 390-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio Equipment intended for the transmission of data (and speech) and using an integral antenna. Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

EN 300 422-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Wireless microphones in the 25 MHz to 3 GHz frequency range; Part 2: Harmonized EN covering essential requirements under the R&TTE directive.

EN 300 433-1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Citizens' Band (CB) radio equipment; Part 1: Technical characteristics and methods of measurement.

EN 300 440-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN under article 3.2 of the R&TTE directive.

EN 300 471-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Access protocol, occupation rules and corresponding technical characteristics of radio equipment for the transmission of data on shared channels. Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

EN 300 674

Electromagnetic compatibility and Radio spectrum Matters (ERM); Road Transport and Traffic Telematics (RTTT); Dedicated Short Range Communication (DSRC) transmission equipment (500 kbit/s / 250 kbit/s) operating in the 5,8 GHz Industrial, Scientific and Medical (ISM) band.

EN 300 698

Electromagnetic compatibility and Radio spectrum Matters (ERM);Radio telephone transmitters and receivers for the maritime mobile service operating in the VHFbands used on inland waterways; Part 1: Technical characteristics and methods of measurement.

EN 300 698

Electromagnetic compatibility and Radio spectrum Matters (ERM);Radio telephone transmitters and receivers for the maritime mobile service operating in the VHFbands used on inland waterways.

EN 300 718-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Avalanche Beacons; Transmitter-receiver systems; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE directive.

EN 301 025

Electromagnetic compatibility and Radio spectrum Matters (ERM); VHF radiotelephone equipment for general communications and associated equipment for Class "D" Digital Selective Calling (DSC).

EN 301 357-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Cordless audio devices in the range 25 MHz to 2 000 MHz; Consumer radio microphones and in-ear monitoring systems operating in the CEPT harmonised band 863 MHz to 865 MHz; Part 2: Harmonised EN covering essential requirements under the R&TTE directive.

EN 301 360

Satellite Earth stations and Systems (SES); Harmonised EN for Satellite Interactive Terminal (SIT) and Satellite User Terminals (SUT) transmitting towards satellites in geostationary orbit in the 27.5 – 29.5 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE directive.

EN 301 426

Satellite earth stations and Systems (SES); Harmonised EN for low data rateland mobile satellite earth stations (LMES) operating in the 1.5/1.6 GHz frequency bands covering essential requirements under Article 3(2) of the R & TTE directive.

EN 301 428

Satellite Earth stations and Systems (SES); Harmonised EN for Very Small Aperture Terminal (VSAT); Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering essential requirements under article 3(2) of the R&TTE directive.

EN 301 430

Satellite Earth stations and Stations (SES); Harmonised EN for Satellite News Gathering Transportable Earth Stations (SNG TES) operating in the11-12/13-14 GHz frequency bands covering essential requirements underArticle 3(2) of the R&TTE directive.

EN 301 441

Satellite Earth stations and Systems (SES); Harmonised EN for Mobile Earth Stations (MES), including handheld earth stations,for Satellite Personal Communications Networks (S-PCN) in the 1.6/2.4 GHz bands under the Mobile Satellite Service (MSS) covering essential requirements under article 3.2 of the R&TTE directive.

EN 301 442

Satellite Earth stations and Systems (SES); Harmonised EN for Mobile Earth Stations (MES), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 2.0 GHz bands under the Mobile Satellite Service (MSS) covering essential requirements under article 3.2 of the R & TTE directive.

EN 301 443

Satellite Earth stations and Systems (SES); Harmonised EN for Very Small Aperture Terminal (VSAT); Transmit-only, transmit-and-receive, receive only satellite earth stations operating in the 4GHz and 6GHz frequency bands covering essential requirements under article 3.2 of the R & TTE directive.

EN 301 444

Satellite Earth stations and Systems (SES); Harmonised EN for Land Mobile Earth Stations (LMES) operating in the 1.5 GHz and 1.6 GHz bands providing voice and /or data communications covering essential requirements under article 3.2 of the R & TTE directive.

EN 301 459

Satellite Earth stations and Systems (SES); Harmonised EN for Satellite Interactive Terminal (SIT) and Satellite User Terminals (SUT) transmitting towards satellites in geostationary or bit in the 29.5 – 30.0 GHz frequency bands covering essential requirements under article 3.2 of the R & TTE directive.

EN 301 511

Global system for mobile communications (GSM); Harmonised standard for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements under Article 3(2) of the R & TTE directive.

EN 301 526

Electromagnetic compatibility and Radio spectrum Matters (ERM); Harmonized EN for CDMA spread spectrum mobile stations operating in the 450 MHz cellular band (CDMA 450) and 410, 450 and 870 MHz PAMR bands (CDMA-PAMR) covering essential requirements of article 3.2 of the R&TTE Directive.

EN 301 753

Fixed Radio Systems; Multipoint equipment and antennas; Generic harmonized standard for multipoint digital fixed radio systems and antennas covering the essential requirements under article 3.2 of the Directive 1999/5/EC.

EN 301 783-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Commercially available amateur radio equipment; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

EN 301 796

Electromagnetic compatibility and Radio spectrum Matters (ERM) - Harmonized EN for CT1 and CT1+ cordless telephone equipment covering essential requirements under Article 3(2) of the R&TTE directive.

EN 301 797

Electromagnetic compatibility and Radio spectrum Matters (ERM) - Harmonized EN for CT2 cordless telephone equipment covering essential requirements under Article 3(2) of the R&TTE directive.

EN 301 839-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULPAMI) and Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz; Part 2: Harmonized EN covering essential requirements of article 3(2) of the R&TTE directive.

EN 301 843

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for marine radio equipment and services.

EN 301 893

Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive.

EN 301 908-1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS) and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 1: Harmonized EN for IMT-2000, introduction and common requirements, covering essential requirements of article 3.2 of the R&TTE directive.

EN 301 908-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third- Generation cellular networks; Part 2: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD) (UE) covering essential requirements of article 3.2 of the R&TTE directive.

EN 301 908-6

Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third- Generation cellular networks; Part 6: Harmonized EN for IMT-2000, CDMA TDD (UTRA TDD) (UE) covering essential requirements of article 3.2 of the R&TTE directive.

EN 301 908-13

Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive.

EN 302 065

Electromagnetic compatibility and Radio spectrum Matters (ERM); Ultra Wideband (UWB) technologies for communication purposes; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive.

EN 302 066-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Ground and Wall- Probing Radar applications (GPR/WPR) imaging systems; Part 2:Harmonized EN covering essential requirements of article 3.2 of the R & TTE directive.

EN 302 195-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio equipment in the frequency range 9 kHz to 315 kHz for Ultra Low Power Active Medical Implants (ULP-AMI) and accessories; Part 2: Harmonize EN covering essential requirements of article 3(2) of the R&TTE directive.

EN 302 208

Electromagnetic compatibility and Radio spectrum Matters (ERM); RadioFrequency Identification Equipment operating in the band 865 MHz to 868MHz with power levels up to 2 W; Part 2: Harmonized EN under article 3.2of the R&TTE directive.

EN 302 217-2-2

Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 2 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE directive for digital systems operating in frequency bands where frequency Co-ordination is applied.

EN 302 217-3

Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 3:
Harmonized EN covering essential requirements of article 3.2 of the R&TTE directive for equipment operating in frequency bands where frequency Co-ordination is applied.

EN 302 217-4-2

Fixed Radio Systems — Characteristics and requirements for point-to-point equipment and antennas — Part 4-2: Harmonized EN covering essential requirements of Article 3(2) of R&TTE directive for antennas.

EN 302 288-2

Electromagnetic compatibility and Radio spectrum Matters (ERM) - Short-range Devices - Road Transport and Traffic Telematics (RTTT) - Short-range radar equipment operating in the 24 GHz range - Part 2: Harmonized EN covering essential requirements of article 3(2) of the R&TTE directive.

EN 302 291

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Close Range Inductive Data Communication equipment operating at 13.56 MHz; Part 2: Harmonized EN under article 3.2of the R&TTE directive.

EN 302 326-2

Fixed Radio Systems — Multipoint Equipment and Antennas - Part 2: Harmonised EN covering the essential requirements of Article 3(2) of the R & TTE directive for Multipoint Radio Equipment.

EN 302 326-3

Fixed Radio Systems — Multipoint equipment and antennas - Part 3: Harmonised EN covering the essential requirements of Article 3(2) of the R & TTE directive for Multipoint Radio Antennas.

EN 302 372-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices; Equipment for Detection and Movement; Tank Level Probing Radar (TLPR) operating in the frequency bands 5,8 GHz, 10 GHz, 25 GHz, 61 GHz and 77 GHz; Part 2: Harmonized EN under article 3.2 of the R & TTE Directive

EN 302 500

Electromagnetic compatibility and Radio spectrum Matters (ERM); ShortRange Devices (SRD) using Ultra Wideband (UWB) technology; LocationTracking equipment operating in the frequency range from 6 GHz to 8,5GHz; Part 2: Harmonized EN covering essential requirements of article 3.2of the R&TTE directive.

EN 302 510-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio equipment in the frequency range 30 MHz to 37,5 MHz for Ultra Low Power Active Medical Membrane Implants and Accessories; Part 2: Harmonized EN covering essential requirements of article 3(2) of the R & TTE directive.

EN 302 536

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 315 kHz to600 kHz; Part 2: Harmonized EN covering essential requirements of article3(2) of the R & TTE directive.

EN 302 537-2

Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Medical Data Service Systems operating in the frequency range 401 MHz to 402 MHz and 405 MHz to 406 MHz; Part 2: Harmonized EN covering essential requirements of article 3(2) of the R & TTE directive.

EN 303 035-1

Harmonized EN for TETRA equipment covering essential requirements under Article 3(2) of the R & TTE Directive — Part 1: Voice plus Data (V+D).

EN 303 035-2

Terrestrial Trunked Radio (TETRA); Harmonised EN for TETRA equipment covering essential requirements under article 3.2 of the R & TTE Directive; Part 2: Direct Mode Operation.

IEC 62287

Maritime navigation and radio communication equipment and systems – Class B shipborne equipment of the automatic identification system (AIS).

IEC 61108-1

Maritime navigation and radio communication equipment and systems – Global navigation satellite systems.

IEC 60945

Maritime navigation and radio communication equipment and systems – General requirements – Methods of testing and required test results.

IEC 61162-1

Maritime navigation and radio communication equipment and systems – Digital interfaces.

C. **Electromagnetic Compatibility (EMC) Standards**

EN 301 489-1

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements.

EN 301 489-3

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz.

EN 301 489-4

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 4: Specific conditions for fixed radio links and ancillary equipment and services.

EN 301 489-7

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems.

EN 301 489-9

Electromagnetic compatibility and Radio spectrum Matters (ERM);Electromagnetic Compatibility (EMC) standard for radio equipment andservices; Part 9: Specific conditions for wireless microphones, similar RadioFrequency (RF) audio link equipment, cordless audio and in-ear monitoringdevices.

EN 301 489-10

Electromagnetic compatibility and Radio spectrum Matters (ERM) : Electromagnetic Compatibility (EMC) standard for radio equipment and services - Part 10: Specific conditions for First (CT1 and CT1+) and Second Generation Cordless Telephone (CT2) equipment.

EN 301 489-12

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 12: Specific conditions for Very Small Aperture Terminal (VSAT), Satellite Interactive Earth Stations operated in the frequency ranges between 4GHz and 30GHz in the Fixed Satellite Service (FSS).

EN 301 489-13

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electro magnetic Compatibility (EMC) standard for radio equipment and services; Part 13: Specific condition for Citizens' Band (CB) radio and ancillary equipment (speech and non-speech).

ETSI EN 301 489-15

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electro magnetic Compatibility (EMC) standard for radio equipment and services; Part 15: Specific conditions for commercially available amateur radio equipment

EN 301 489-17

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment.

EN 301 489-18

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Comp ability (EMC) standard for radio equipment and services; Part 18: Specific conditions for Terrestrial Trunked Radio (TETRA) equipment.

EN 301 489-20

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 20: Specific condition for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS).

EN 301 489-24

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 24: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA) for Mobile and Portable (UE) radio and ancillary equipment.

EN 301 489-25

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 25: Specific conditions for IMT-2000 CDMA Multi-carrier Mobile Stations and ancillary equipment

EN 301 489-27

Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services — Part 27: Specific conditions for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P).

EN 301 489-31

Electromagnetic compatibility and Radio spectrum Matters (ERM);Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 31: EMC for radio equipment in the 9 to 315 kHz band for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P).

EN 301 489-32

Electromagnetic compatibility and Radio spectrum Matters (ERM);Electromagnetic Compatibility (EMC) standard for radio equipment andservices; Part 32: Specific conditions for Ground and Wall Probing Radar applications.

EN 301 489-33

Electromagnetic compatibility and Radio spectrum Matters (ERM);Electromagnetic Compatibility (EMC) standard for radio equipment andservices; Part 33: Specific conditions for Ultra Wide Band (UWB) communications devices.

Appendix F -Type Approval Certificate

RADIO AND TELECOMMUNICATIONS TERMINAL EQUIPMENT
TYPE APPROVAL CERTIFICATE

TYPE APPROVAL NUMBER	

The Telecommunications Regulatory Commission of Sri Lanka, in the exercise of powers conferred upon it by Section 5(q) of SriLanka Telecommunications Act No. 25 of 1991 as amended subject to the RTTE Rules of 2020 and terms and conditions set out in the Annexure, hereby issues a Radio and Telecommunications Terminal Equipment (RTTE) Type Approval Certificate to the Company/Individual whose name listed below.

DETAILS OF THE APPLICANT		
Name of Company/Applicant:		
Business Registration/NIC Number		
Vendors License File Number:		
Address:		
Telephone:	Fax:	E-mail:

DESCRIPTION OF RTTE	
Type of Equipment:	
Brand Name:	
Model Number:	
Country of Manufacture:	
Year of Manufacturing:	
Operating Frequency Range:	
ITU Emission designator:	
Type of Modulation:	
Transmission Capacity:	
Channel Spacing:	
RF Output Power:	
Gain of Antenna:	

This Certificate shall be valid for a period of four (04) years from the date of issuance unless previously revoked.

Director/Spectrum Management Date:

TERMS AND CONDITIONS OF TYPE APPROVAL CERTIFICATION

1. The certificate is valid under condition that the RTTE being granted Approval is identical to the type tested one.

2. Any changes to the brand name, model or version of the type approved RTTE will require a new type approval. This involves re-application with revised supporting documents.

3. If the technical specifications of the RTTE have not been amended, reference shall be made to original Type Approval. However, the applicant shall submit a letter of declaration stating that the technical specifications for the old named/model equipment are the same as the new named/model equipment.

4. The Type Approval Certificate shall be revoked in the following instances:

   a. At the request of the Type Approval holder of RTTE;
   b. Any information provided to the Commission is found to be counterfeited or false;
   c. Type Approved RTTE that has been released to market does not comply with the applicable Type Approval Standards;
   d. There is a breach of these rules in respect of the registered RTTE;
   e. In the event that the Type Approval holder repeatedly fails to honour its obligations under any directive issued by the Commission;
   f. Modifications are made to the RTTE with respect to the brand, name, model ,version, function or any other information recorded on the Type Approval Certificate and/or Type Approval Register;
   g. Due to the subsequent development of new characteristics RTTE it is likely to be injurious to the health and safety of users or the public;
   h. The RTTE interferes with the operation of other radio communications equipment or a telecommunications network.

Appendix G - Type Approval Label

Telecommunications Regulatory Commission of Sri Lanka

1. **Name of Vendor:**
2. **Type of Equipment:**
3. **Make & Model:**
4. **Type Approval Number:**
5. **Date of Approval to Release the Equipment to the Market:**

Ref No: **IMIE/Serial No:**

Appendix H - Application for a Permit to Import Representative Sample(s) of RTTE for Type Approval

Application for a Permit to Import Representative Sample(s) of Radio and Telecommunications Terminal Equipment (RTTE) for Type Approval

1. Company Details					
Name of the Company/ Applicant					
Business Registration Number					
Vendor License Number					
Address					
Telephone		Fax		E-mail	
2. Details of Authorized Representative of the Company					
Name of the Authorized Representative					
NIC Number					
Mobile		E-mail			
3. RTTE Information					
Name of Manufacturer					
Make & Model					
Number of Units (Maximum 2)					
Performa Invoice Number					
4. Decleration					

I, the applicant, hereby certify that the information supplied in this application form is true and in all respects.

I acknowledge that the Commission has right to reject the application in the case where any statement made herein is found to be false or the Commission is not satisfied in respect to any aspect of the application.

Applicant's Signature:	Date:

5. Supporting Documentations

Copies of following documents should be submitted with the application.

1. NIC the Authorized Representative of the Company
2. Performa Invoice
3. Technical Specifications of RTTE concerned

Appendix I - Application for Custom Clearance of Representative Samples(s) of RTTE for Type Approval

Application for Custom Clearance of Representative Sample(s) of Radio and Telecommunications Terminal Equipment (RTTE) for Type Approval

1. Company Details

Name of the Company/ Applicant					
Business Registration Number					
Vendor License Number					
Address					
Telephone		Fax		E-mail	

2. Details of Authorized Representative of the Company

Name of the Authorized Representative			
NIC Number			
Mobile		E-mail	

3. RTTE Information

Name of Manufacturer	
Make & Model	
Serial Number/IMIE Number	
Number of Units (Maximum 2)	

4. Other Details

Reference Number of Controller of Imports & Export Letter issued by the Commission	
Import License Number issued by Controller of Imports & Exports	
Commercial Invoice Number	

5. Decleration

I, the applicant, hereby certify that the information supplied in this application form is true in all respects.

I acknowledge that the Commission has right to reject the application in the case where any statement made herein is found to be false or the Commission is not satisfied in respect to any aspect of the application.

Applicant's Signature	Date

6. Supporting Documentations and Representative Samples

Copies of following documents should be submitted with the application.

1. NIC of the applicant
2. Letter to the Controller of Imports & Exports
3. Imports permit issued by the Controller of Imports & Exports
4. Commercial Invoice

Appendix J - Application for a Permit to Import RTTE for Commercial Purposes /Own Use

Application for a Permit to Import
Radio and Telecommunications Terminal Equipment (RTTE) for
Commercial Purposes/Own Use

1. Company Details

Name of the Company/ Applicant					
Vendor License Number					
Business Registration Number					
Address					
Telephone		Fax		E-mail	

2. Details of Authorized Representative of the Company

Name of the Authorized Representative			
NIC Number			
Mobile		E-mail	

(If applicant is importing RTTE for the use of other party, duly signed authorization letter from the user should be attached to the application. The letter should provide contact details and NIC number of the user)

3. RTTE Information

Name of Manufacturer	
Type Approval Number	
Frequency License Number (if applicable)	
Performa Invoice Number	
Equipment Details (Please fill up the table below)	

Make & Model	**Date of previous Importation**	**Quantity in order**	**Units price (CIF) in USD**	**Cost in USD**
Total Cost in USD				

4. Decleration

I, the applicant, hereby certify that the information supplied in this application form is true in all respects.
I acknowledge that the Commission has right to reject the application in the case where any statement made herein is found to be false or the Commission is not satisfied in respect to any aspect of the application.

Applicant's Signature:	Date:

Appendix K - Application for Custom Clearance of RTTE for Commercial Purposes/Own Use

Application for Custom Clearance of
Radio and Telecommunications Terminal Equipment (RTTE)
for Commercial Purposes/Own Use

1. Company Details

Name of the Company/ Applicant					
Vendor License Number					
Business Registration Number					
Address					
Telephone		Fax		E-mail	

2. Details of Authorized Representative of the Company

Name of the Authorized Representative			
NIC Number			
Mobile		E-mail	

(If applicant is importing RTTE for the use of other party, duly signed authorization letter from the user should be attached to the application. The letter should provide contact details and NIC number of the user)

3. Details of RTTE

Name of Manufacturer				
Type Approval Number				
Frequency License Number (if applicable)				
Equipment Details (Please fill up the table below)				
Make & Model	***Serial Number /IMIE Numbers**	**Quantity in Shipment**	**Units price (CIF) in USD**	**Cost in USD**
Total Cost in USD				

* If space is not sufficient, please provide electronically

4. Other Details

Reference Number of Controller of Imports & Export Letter issued by the Commission	
Import License Number issued by Controller of Imports & Exports	

Commercial Invoice Number	
Airway Bill Number	

5. Decleration

I, the applicant, hereby certify that the information supplied in this application form is true in all respects.
I acknowledge that the Commission has right to reject the application in the case where any statement made herein is found to be false or the Commission is not satisfied in respect to any aspect of the application.

Applicant's Signature:	Date:

6. Supporting Documentations

Copies of following documents should be submitted with the application.

1. NIC of the applicant
2. Letter to the Controller of Imports & Exports
3. Import permit issued by the Controller of Imports & Exports
4. Frequency License (if applicable)
5. Commercial Invoice which should be certified by the bank responsible for transfer of funds/Original Invoice (Original should be produced for verification purposes)
6. Packing list
7. Airway Bill

Appendix L - Application for Custom Clearance of RTTE for Personal Use

Application for Custom Clearance of Radio and Telecommunications Terminal Equipment (RTTE) for Personal Use			
1. Details of Applicant			
Name of the Applicant			
NIC Number			
Address			
Contact Telephone Number		E-mail	
Custom Detention Receipt /Invoice Number and Date			
2. Details of Radio and Telecommunications Terminal Equipment			
Type of Equipmemt			
Make & Model			
Operating Frequncy/Band (if known)			
Output Power (if known)			
Serial Number(s)/IMIE Number(s)(if known)			
Number of Units (Maximum 5 per year)			
3. Decleration			
I, the applicant, hereby certify that the information supplied in this application form is true in all respects. I acknowledge that the Commission has right to reject the application in the case where any statement made herein is found to be false or the Commission is not satisfied in respect to any aspect of the application. I have no objection to the detention of aforesaid RTTE which does not comply with the Commission's technical standards.			
Applicant's Signature:		Date:	
4. Supporting Documentations			
Copies of following documents should be submitted with the application. 1. NIC of the Applicant 2. Custom Detention Receipt /Commercial Invoice 3. Technical Specifications of RTTE.			

Appendix M - Application for Permission to Re-export RTTE

Application for permission to Re-export
Radio and Telecommunications Terminal Equipment (RTTE)

1. Company Details

Name of the Company/ Applicant					
Vendor License Number					
Business Registration Number					
Address					
Telephone		Fax		E-mail	

2. Contact Details of Authorized Representative of the Company

Name			
NIC Number			
Mobile		E-mail	

3. Details of RTTE

List of RTTE with Serial/IMIE Numbers	
Reference Number of the no Objection Letter for the Custom Clearance issued by the Commission (if applicable)	
Locations of RTTE installed (if applicable)	
Frequency License Number (if applicable)	

4. Decleration

I, the applicant, hereby certify that the information supplied in this application form is true in all respects.
I acknowledge that the Commission has right to reject the application in the case where any statement made herein is found to be false orthe Commission is not satisfied in respect to any aspect of the application.

Applicant's Signature:	Date:

5. Supporting Documentations

Copies of following documents should be submitted with the application.

1. NIC of the applicant
2. No objection letter for custom clearance issued by the Commission
3. Frequency License (if applicable)

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