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The telecommunications equipment to be connected to a public network and radio installations are subject to pre type approval by the National Telecommunications Regulatory Agency (ANRT).

Documents and Forms

- Application form (new type approval, certificate of approval of a registered equipment, temporary approval)
- <u>Commitment to benefit retrospective payment facilities. Electronic filing of requests</u>
- <u>Commitment to submit to Customs for import the following unauthorized telecommunications</u> equipment, by individuals, personally and as a single quantity: GSM Terminal, answering machine, fax, telephone set, built-in laptop modem, GPS receiver
- Label tag template

Type approval procedures

New Type approval - Application files and Forms

For an applicant having subscribed to the commitment of Annex 2 of decision ANRT/DG / N $^\circ$ 12/04 of December 29, 2004

The application for Type approval entails submitting the following:

- The application form (Appendix 1);
- Technical documentation to determine the interfaces contained in the equipment, all of its features and standards. For radio installations, this documentation must indicate the relevant radio characteristics of the equipment (frequency band, power, the SAR value or equivalent field-level).
- A prospectus or short technical report identifying the interfaces contained in the equipment.

This request can be sent electronically to the address (<u>agrement@anrt.ma</u>). However, the original of such documents, duly signed and stamped, need to be forwarded to the ANRT within the deadlines set in Annex 2 of the decision)

For an applicant having NOT committed to the commitment of Annex 2 of decision ANRT/DG/ $N^{\circ}12/04$ of December 29, 2004

- The Type approval application form (Appendix 1) duly signed and stamped on company letterhead;
- For corporations, a certificate of registration in the Moroccan commercial register (this certificate is filed once a year by the applicant);



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- Technical documentation to determine the interfaces contained in the equipment, all of its features and standards. For radio installations, this documentation must indicate the relevant radio characteristics of the equipment (frequency band, power, the SAR value or equivalent field-level and all its features;
- Proof of payment of the non-refundable processing fees in the amount of MAD 600 (all taxes included) per equipment.

New Type approval - Comments

- The applicant for type approval shall include telecommunications interfaces and equipment for which he or she is seeking approval and the technical specifications to which they comply. There are two distinct cases:
 - Declarative system: the applicant declares that their equipment complies with respect to national type approval specifications published by the ANRT. In this case, a simple review of the application is needed before issuing the required certification.
 - Non-Declarative system: the applicant declares that their equipment complies with respect to unpublished type approval. In this case, the ANRT may request additional documentation and/or of a sample for testing before deciding on the type approval.
- Type approval is granted for a period of 10 years.

Certificate of type approval for an already type approved equipment

Application File and Forms

The application file consists of:

- The type approval application form (Appendix 1) duly signed and stamped on company letterhead;
- For corporations, a certificate of registration in the Moroccan commercial register (this certificate is filed once a year by the applicant).

In the case of an approved terminal or radio installation <u>having undergone - after its type approval -</u> <u>changes without any incidence on its technical specifications</u> on the basis of which it had been type approved, the request for certificate of approval consists of the following documents:

- A commitment from the applicant stating that the equipment in question is consistent with the technical specifications of the approved version;
- Technical documentation;
- For corporations, a certificate of registration in the commercial register.

The applicant having agreed to the commitment of Annex 2 of decision ANRT/DG/N ° 12/04 of December 29, 2004 may electronically submit the application at <u>agreenent@anrt.ma</u>

See also "marking requirements."

Notes

- The certificate of type approval may be granted for the import of terminal equipment or radio installation already approved by the ANRT;
- The certificate of approval is issued free of charge.

Temporary approval

Application File and Forms

The application file consists of:

- The application form (Appendix 1) duly completed, signed and stamped;
- A technical prospectus to label the interfaces contained in the equipment.

The applicant having agreed to commit to Annex 2, may electronically send their application to <u>agrement@anrt.ma</u>. However, the original of such documents, duly signed and stamped, need to be forwarded to the ANRT within the deadlines set in Annex 2.

Notes

- Authorization for temporary approval may be granted to terminal equipment and radio installations for demonstration, exhibition or temporary if those uses are justified;
- The duration of this authorization shall be three (03) months, renewable;
- During the admission period, the indication: "unlicensed equipment" must be clearly marked on the equipment;
- Temporary approval is issued free of charge.

Import of equipment by individuals

Application File and Forms

Import by individuals in their personal capacity and in single amount of unauthorized telecommunications equipment is permitted upon payment at the customs of the commitment contained in Appendix 3 of decision ANRT/DG / N 12/04 of December 29, 2004 duly completed and signed. The equipment covered by this procedure is:

- GSM Terminals;
- Answering machines;
- Fax machines;
- Telephone sets;
- Built-in laptop modems;



• GPS Terminals;

Marking requirement

Any terminal equipment or approved radio installation shall be, prior to its commercialization, be labelled with an irremovable tag - see the model in Annex 4, pursuant to decision ANRT/DG/N° 12/04 of December 29, 2004.

Any equipment for sale to the public and not properly labelled is considered unauthorized.

Technical Specifications

Equipment terminals

- Technical specifications of the terminals to be connected to the digital network with basic access services (ISDN), network-side Features: digital transmission system in metallic local lines - Telecommunications Aspects (ANRT-STA/ET-RNIS NT1);
- Technical specifications of the terminals to be connected to the analog interface-switched telecommunications network - Aspects Telecommunications (ANRT-STA/ET-RTC);
- Additional technical requirements for the type approval of private switching systems (ANRT-STA/ET-PBX);
- Technical specifications for the type approval of terminals to be connected to 2048 Kbit/s digital interface devices Telecommunications Aspects (ANRT-STA/ET-LSN E1);
- Technical specifications for the type approval of terminals to be connected to Digital Network Integrated Services (ISDN) to the reference point "T" or to a location where reference points "S" and "T" match (access basic access & primary access) - Telecommunications Aspects. (ANRT-STA/ET-RNISS/T-1);
- Technical specifications for the type approval of PDH technology digital radio waves providing fixed point-to-point in the 7 GHz, 18 GHz and 23 GHz band waves. (ANRT-STA/IR-FHN-PPPDH-1);

Radio installations

- Technical specifications for the type approval of radio equipment for specific applications operating in the following sub-bands: 70-135 kHz, 13553-13567 MHz, 27105-27283 MHz -Radio Specifications - (ANRT-STA/IR- A2FP 70 kHz-30 MHz);
- Technical specifications for the type approval of radio installations for non-specific applications operating in the following sub-bands: 27.105 - 27.283 MHz, 40660-40700 MHz, from 433,050 to 433,650 MHz 433,850 to 434,790 MHz and 869.2 - 869.3 MHz - Radio Specifications (ANRT-STA / IR-A2FP 25-1000 MHz);
- Technical specifications for the type approval of radio installations consisting of low-power and short-range devices operating in the 446-446.1 MHz band - Radio Specifications -(ANRT-STA/IR-A2FP 446 MHz);
- Technical specifications for the type approval of radio installations consisting of low-power and short-range devices or as part of a wireless LAN operating in the 2.4 GHz band - Radio Specifications-(ANRT-STA/IR- A2FP 2.4 GHz);
- Technical specifications for the type approval of radio installations as part of a radio LAN operating in the 5150-5250 MHz band - Radio Specifications-(ANRT-STA/IR- A2FP 5.2 GHz);
- Technical specifications for the type approval of radio installations consisting of low-power and low range devices for traffic information systems in the 76-77 GHz band- Radio Specifications (ANRT-STA/IR-A2FP 76/77 GHz);
- Technical specifications for the type approval of cordless type telephones operating in the bands under 26.310 - 26.4875 MHz and 41.3125 - 41.4875 MHz, 46630-46830 MHz and 49725-49890 MHz - Radio Specifications (ANRT-STA \ IR-A2FP CT0);
- Technical specifications for the type approval of equipment using DECT (Digital Enhanced Cordless Telecommunications) technology for voice applications and data transmission operating in the band 1880-1885 MHz Radio Specifications-(ANRT-STA/IR- PS-1);

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- Technical specifications for the type approval of Land Mobile Earth Stations (LMES) and Maritime Mobile Earth Stations (MSS) not intended for distress and safety operating in the 1.5/1.6 GHz band and provides a low data rate - Radio Specifications- (ANRT-STA/IR-GMPCS GEO-1);
- Technical specifications for the type approval of Land Mobile Earth Stations (LMES) for mobile geostationary satellites operating in the 1.5/1.6 GHz band for the provision of voice and / or data Radio Specifications (GEO-ANRT-STA/IR-GMPCS 2);
- Technical specifications for the type approval of mobile earth stations for mobile geostationary satellite systems, including portable ground stations operating in the band 1.5/1.6 GHz mobile satellite service (MSS) - Radio Specifications-(ANRT-STA/IR-GMPCS GEO-3);
- Technical specifications for the type approval of mobile stations intended to operate in the public cellular network GSM standard Radio Specifications-(ANRT-STA/IR-GSM-2);
- Technical specifications for the type approval of trunked radio network equipment (3RP) iDEN radio type system Radio Specifications (ANRT-STA/IR-IDEN);
- Technical specifications for the type approval of trunked radio network equipment (3RP) TETRA- radio type system Radio Specifications (ANRT-STA/IR-TETRA);
- Technical specifications for the type approval of Land Mobile Earth Stations transmitting low rate satellite LEO data operating in the VHF-band Radio Specifications. (ANRT-STA/IR-GMPCSVHF-1);
- Technical specifications for the type approval of Land Mobile Earth Stations to ensure a personal communication service by non-geostationary satellite operating in the 1.6/2.4 GHz band Radio Specifications. (ANRT-STA/IR-GMPCSNOSG-1);
- Technical specifications for the type approval of base stations and repeaters under the sub cellular public telephone network GSM radio system - Radio Specifications. (ANRT-STA/IR-GSM-1);
- Technical specifications for the type approval of radio installations of the land mobile service for analog voice transmission operating in the 30MHz-1GHz band Radio Specifications. (ANRT-STA/IR-SMT-VAN-1);
- Technical specifications for the type approval of digital analog or digital radio systems under the land mobile service for the transmission of data and voice operating in the 30MHZ-1GHz band Radio Specifications. (ANRT-STA/IR-SMT-D+V-1);
- Technical specifications for the type approval of VSATs operating in C-band and Ku-band Radio Specifications. (ANRT-STA/IR-VSAT-1) ;

Presentation

In accordance with Articles 15 and 16 of Law No. 24-96 on postal and telecommunications services, as amended and supplemented, terminal equipment intended to be connected to a public telecommunications network and radio installations are subject to pre type approval.

Thus, only telecommunications equipment that is in accordance with designs approved by the ANRT and bears the adequate making label can:

- Be advertised;
- Be connected to a public telecommunications network;
- Be distributed free of charge or for a fee;
- Being offered for sale;
- Being held for sale;
- Be imported;
- Be manufactured for the domestic market.

Simplification of procedures

Under Article 29 of Law No. 24-96, the ANRT's mandate includes establishing the administrative aspects of the certification specifications for terminal equipment and radio installations. Several

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decisions have governed the Type approval of equipment. Since 1999, the ANRT has made several changes to the process by simplifying and adapting it to the best international regulatory processes and to market expectations. In this context, the ANRT adopted decision ANRT/DG/N ° 12/04 of December 29, 2004 (entered into force on February 3, 2005) repealing and replacing decision ANRT/DG/No. 01/03 of 17 March 2003.

This decision asks companies subscribing to the commitment of Annex 2, the following:

- To first send the application electronically. The applications' original documents shall then be filed no later than one month after the issuance of the certificate of type approval or temporary type approval;
- Retrospective payment of costs resulting from requests for new Type approvals.

Non-compliance of the various regulatory and technical provisions for type approval and lays the perpetrator open to the provisions of Article 81 of Law No. 24-96.

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