

NATIONAL TELECOMMUNICATIONS AGENCY

ACT NO. 7280, OF NOVEMBER 26, 2020

THE SUPERINTENDENT OF GRANT AND RESOURCES TO ANATEL'S PROVISION, in the use of the attributions conferred on him by art. 156, VI of Anatel's Internal Regulations, instituted by Resolution No. 612, of April 29, 2013; the Regulations for Conformity Assessment and Homologation of Telecommunications Products, instituted by Resolution No. 715, of October 23, 2019, and

WHEREAS the competence given by items XIII and XIV of article 19 of Law 9.472 / 97 - General Telecommunications Law;

WHEREAS the Technical Requirements establish the parameters and technical criteria verified in the evaluation of the conformity of one or more types of products for telecommunications, pursuant to article 22 of the Regulations for Conformity Assessment and Homologation of Telecommunications Products, approved by Resolution No. 715, October 23, 2019;

WHEREAS article 32 of the Regulations for Conformity Assessment and Homologation of Telecommunications Products determines that the models by Certification should be used preferentially for products directly used by end users and consumers of telecommunications services; transmitter and transceiver products that make use of the electromagnetic spectrum for services of collective interest and broadcasting; products for high load and power telecommunications; and products used in telecommunications used in critical and / or high performance operations;

WHEREAS article 33 of the Regulations for Conformity Assessment and Homologation of Telecommunications Products determines that the models by Declaration of Conformity should be used preferentially for products intended for unique, special and / or low-marketing applications; and artisanal or imported construction products for the Claimant's own use;

WHEREAS products intended for end users and consumers of telecommunications services, such as Terminal Access Stations (ETA), Restricted Radiation Equipment, Cellular Phones and their accessories, are used massively by the consumer, considered to be insufficient in related matters technical and safety knowledge in the handling of products, which must be approved by Certification;

WHEREAS radiofrequency emitting products may operate in frequency bands that sometimes have different allocation, allocation and use rules between countries, which may interfere with the shared use of the radio spectrum and impair the provision of telecommunications services in the country. Country, most of which must be approved by Certification;

CONSIDERING the risks to the national market and to the telecommunications consumer, the maintenance of a strong product conformity assessment system, the population's enjoyment of telecommunications products in a safe and quality manner and the urgent need of the Brazilian State to leverage the economy for the benefit of the Brazilian population;

CONSIDERING the urgency of the regulatory interstice for the adaptation of the agents involved in the process and of the entire industry, in the meantime of updating the modalities and respective models of conformity assessment applied to each type or family of products for telecommunications; and

WHEREAS the case file of process No. 53500.010821 / 2020-31 ;

RESOLVES:

Art. 1 To approve the updating of the Reference List of Products for Telecommunications, in the form of the Attachment to this Act, after 180 (one hundred and eighty) days from the date of its publication.

I - Products approved by Certification based on Type Testing with Periodic Evaluation, as established in the Reference List, approved by Act No. 2222, April 20, 2020, must comply with the new rules during the period of maintenance of the certificate of conformity from the term established in the caput; and

II - Products approved by Certification based on Type Testing without Periodic Evaluation, as established in the Reference List mentioned in the previous item, will remain with their Homologation Certificates in force, as long as there are no changes in the product that require a new conformity assessment or that changes in the applicable technical requirements arise that require product adequacy.

Art. 2 Repeal Act nº 2222, of April 20, 2020, after the period established in article 1.

Art. 3 This Act enters into force on the date of its publication in Anatel's Electronic Service Bulletin.



Document signed electronically by **Vinicius Oliveira Caram Guimarães**, Superintendent of Granting and Provisioning Resources, on 12/03/2020, at 17:54, according to official Brasilia time, based on art. 23, item II, of [Ordinance No. 912/2017](#) of Anatel.



The authenticity of this document can be checked at <http://www.anatel.gov.br/autenticidade>, informing the verification code **6250471** and the CRC code **4B2ADF52**.

ATTACHMENT

TELECOMMUNICATION PRODUCTS REFERENCE LIST

PRODUCT FAMILY	PRODUCT TYPE	CONFORMITY	CONFORMITY ASSESSMENT MODEL (NOTE 6)
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		ASSESSMENT MODE	
ANTENNAS	Point to Point Antenna	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
ENERGY ACCUMULATORS (BATTERIES)	Stationary Nickel-Cadmium Alkaline Energy Accumulator	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
	Ventilated Stationary Lead Acid Energy Accumulator		
	Valve Regulated Stationary Lead Acid Energy Accumulator		
	Ventilated Stationary Lead Acid Accumulators for Specific Applications		
	Valve Regulated Stationary Lead Acid Accumulators for Specific Applications		
	Ventilated Stationary Lead Acid Accumulators for Application in Low Power Photovoltaic Systems		
COAXIAL CABLES	Coaxial cable	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
	75 Ohm Rigid Coaxial Cable		
	50 Ohm Semi-Rigid Coaxial Cable		
	Hybrid Coaxial Cable		
	50 ohm or 75 ohm coaxial flexible cable		
OPTICAL CABLES AND FIBER OPTICS	Fiber Optic Cable	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
	Self-sustaining Aerial Dielectric Core Fiber Optic Cable		
	Marinated Land Optical Cable		
	OPGW cable		
	Hybrid Optical Cable		
	Optical fibers		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Compact Fiber Optic Cable for Indoor Installation		
	Self-sustaining Fiber Optic Cable - Compact Optical Drop		
	Self-sustaining Fiber Optic Cable - Optical Drop		
	Fiber Optic Microcable Installed in Blown Microducts		
DATA TRANSMISSION CABLES	Unshielded Data Transmission Cable	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Shielded Data Transmission Cable		
	Cables for Closed Circuit TV (CCTV)		
	Maneuver Cable		
TELEPHONE CABLES	Metallic Pair Telephone Cable (except CI and CCI)	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
	Metallic Pair Telephone Cable (APL)		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Metallic Pair Telephone Cable (CI and CCI)		
CHARGERS FOR MOBILE PHONE AND LITHIUM BATTERIES	Auxiliary battery cell phone accessory	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Lithium Battery used in Cell Phone		
	Inductive Cell Phone Charger		
	Cell Phone Charger		
SWITCHING CENTERS	Digital Switching Center	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years (Note 7)
	Switching and Control Center - CCC		
	Private Telephone Switching Center - CPCT	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
CONNECTORS	General Distributor Terminal Block - (BT-DG)	Conformity declaration	Declaration of Conformity with Anatel brand (Notes 1 and 5)
	External Network Terminal Block - (BT-RE)		
	Internal Network Terminal Block - (BT-RI)		
	Aerial Optical Terminal Box		
	Underground Optical Terminal Box		
	Underground Optical Terminal Box for Residential Areas and Small Commercial Buildings		
	Shield Connector (CBCT / CBVT)		
	Reinforced Fiber Optic Connector		

	Coaxial Cable Connector		
	Telephone Cable Connector (dry, impregnated and sealed)		
	Fiber Optic Connector		
	Field-Mounted Fiber Optic Connector for Compact Cables		
	Overhead Splice Set for Optical Cables		
	Unpressurized Underground Splice Assembly for Optical Cables		
BROADCASTING EQUIPMENT	TV Channel Converter (replay / retransmission)	Certification or Conformity declaration	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years (Note 8) or Declaration of Conformity with Test Report (Note 8)
	RF driver		
	Secondary Channel Generator (FM station)		
	Stereophonic generator (FM station)		
	Audio Processor (FM station)		
	Audio Limiter / Processor (FM station)		
	Audio and video modulator		
	TV repeater		
	TV relay		
	Autocine Transmitter		
	Community Broadcasting Transmitter		
	AM Radio Broadcasting Transmitter		
	FM Radio Broadcasting Transmitter		
	Analog Television Transmitter		
Digital Terrestrial Television Transmitter			
RF EQUIPMENT (EXCEPT BROADCASTING)	RF Power Amplifier	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Manufacturing Management System every 3 (three) years (Note 2)
	RF Power Amplifier for Earth Station	Conformity declaration	Declaration of Conformity with Test Report (Note 3)
	Radiocommunication Signal Blocker (BSR) Equipment		Declaration of Conformity with Test Report
	Rising to Earth Station Converter		Declaration of Conformity with Test Report (Note 3)
	GLP equipment	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
	Carrier Wave Equipment (OPLAT)		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
	Terminal Access Station - ETA		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Femtocell		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
	Residential Femtocell		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Earth Station Modem		Conformity declaration
	Digital Modulator (for Earth Station)		
	Modem for Digital Transceiver	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
	Radar		Certification based on Type Testing with Periodic Evaluation of the Product and the Manufacturing Management System every 3 (three) years (Note 3)
	Internal Signal Booster		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Radio Frequency Repeater		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
	Cellular Mobile Phone		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Satellite Mobile Phone		Certification based on Type Testing with Periodic Evaluation of the Product and the Manufacturing

		Management System every 2 (two) years (Note 3)
Collective Use Terminal for SMP		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
All equipment covered by the Restricted Radiation Radiocommunication Equipment Regulation. (except restricted radiation transceiver)		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
Restricted Radiation Transceiver		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
Trunked Analog Transceiver - Base		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Trunked Analog Transceiver (mobile and portable)		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
Digital Transmitter and Transceiver		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Trunked Digital Transceiver - Base		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Satellite SMM transceiver	Conformity declaration	Declaration of Conformity with Test Report (Note 3)
Trunked Digital Transceiver (mobile and portable)	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
Rural Subscriber Fixed Transceiver		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
Rural Base Fixed Transceiver		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Transmitter and Transceiver (fixed, mobile and portable)		Certification based on Type Testing with Periodic Evaluation of the Product and the Manufacturing Management System every 3 (three) years (Note 2)
Base Station Transceiver		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Earth Station Transmitter and Transceiver (except SMM)	Conformity declaration	Declaration of Conformity with Test Report (Note 3)
Mobile Satellite Transceiver		Declaration of Conformity with Test Report (Note 3)
Transceiver for the Auxiliary Radio Broadcasting Service	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Transceiver for Automatic Ship Identification System	Conformity declaration	Declaration of Conformity with Test Report (Note 4)
PLC Transceiver - Narrow Range	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
Radio Beacon Transmitter	Conformity declaration	Declaration of Conformity with Test Report (Note 4)
Radio Call Transmitter	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Radio Beacon Transmitter	Conformity declaration	Declaration of Conformity with Test Report (Note 4)
Supervisory and Control Transmitter	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Transmitter for Auxiliary Service of Radio Broadcasting		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Transmitter for TV Broadcasting Auxiliary Service		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Transmitter for Advanced Messaging		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
Radar Transponder (SART)	Conformity	Declaration of Conformity with Test Report (Note 4)

		declaration	
OPTICAL EQUIPMENT	Passive Optocouplers	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years (Note 7)
	Passive Optical Dividers		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years (Note 7)
	OLT - Optical Line Termination		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years (Note 7)
	UN - Optical Network Unit	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	ONT - Optical Network Termination		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Optical Lines Terminal	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years (Note 7)
	Optical Line Terminal with Integrated Multiplex		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years (Note 7)
DATA COMMUNICATION EQUIPMENT	Data Network Equipment - User Environment	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Network Interconnection Equipment	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years (Note 7)
	Data Network Equipment (except for user environment)		
	Multi-service platform		
	Data Multiplexer		
	SHDSL Signal Regenerator		
Coaxial HPNA for IPTV - Distributor			
TERMINAL EQUIPMENT	Telephone Line Alarm	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Telephone Operator		
	Phone Call Blocker		
	Pay TV User Terminal Equipment (SeAC)		
	Telephone Call Identifier		
	Automatic Telephone Call Dialer		
	Answering machine		
	STFC terminal		
	Facsimile Equipment		
	Analog Modem		
	ADSL Digital Modem		
	Digital HDSL or MSDSL modem		
	SHDSL Digital Modem		
	Digital VDSL Modem		
	VDSL2 Digital Modem		
	Coaxial HPNA for IPTV		
	Coaxial MoCA		
	Cable Modem (Cable Modem)		
	Dedicated Phone		
	Subscriber Phone		
Public Use Telephone (TUP)			
Telephone for Public Use Adapted for the Deaf (TPS)			
Public Access Terminal (TAP)			
Telecommunications Terminal for the Deaf (TTS)			
Telecommunications Terminal for the Deaf for Application in the Subscriber's Environment (TTS-A)			
IP TERMINAL EQUIPMENT (WIRELESS AND WIRELESS)	ATA - Analog Telephone Adapter (wired and wireless)	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	Telecommunications Equipment with USB Interface		
	IP Phone / Ethernet Phone		
TELEPHONE WIRES	Internal Telephone Wire (FI)	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management
	Bined External Telephone Wire (FEB)		

	External Telephone Wire with Copper-plated Steel Conductors		System every 2 (two) years
	External Telephone Wire (FE)		
	DG Telephone Wire		Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
PROTECTIVE MODULES	Protective Module (for DG)	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
	Protective Module for HDSL / SHDSL Systems		
	Protective module (for external network)		
	Protective module (for user environment)	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
DIGITAL MULTIPLEX	DSL Access Multiplex - DSLAM	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years (Note 7)
	Optical Multiplex (WDM / CWDM / DWDM)		
	SDH Multiplex - SDXC Equipment		
	Multiplex SDH - STM equipment		
	Multiplex PDH		
RECTIFIER SYSTEMS	Rectifier System (switched - forced and natural ventilation)	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years
SPLITTER	XDSL Filter - Central Splitter	Conformity declaration	Declaration of Conformity with Anatel brand (Notes 1 and 5)
	XDSL Filter - Residential Splitter	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 2 (two) years
	XDSL Filter - Residential Microfilter		
	XDSL Filter - Splitter for Public Telephony		
RECTIFIER UNITS	Rectifier Unit (switched - forced and natural ventilation)	Certification	Certification based on Type Testing with Periodic Evaluation of the Product and the Factory Management System every 3 (three) years

NOTES:

- 1) The tests for conformity assessment may be carried out in a laboratory, national or foreign, accredited by an ILAC member organism or by a 1st party, provided that it is accredited by an ILAC member organism.
- 2) The products used for the Amateur Radio, Citizen Radio, Aeronautical Mobile and Marine Mobile (VHF) Services may be approved by Declaration of Conformity as established in the Operational Procedure for the Approval of Telecommunications Products by Declaration of Conformity.
- 3) The tests may be carried out in a 3rd party laboratory outside the country accredited by an ILAC member body.
- 4) The test report may be replaced by the certificate issued or recognized by the foreign certifying body.
- 5) The evaluation model for Declaration of Conformity with Anatel brand must be registered in Anatel's computerized system as established in the Operational Procedure for Homologation of Telecommunications Products by Declaration of Conformity.
- 6) The details of each conformity assessment model are described in the Operational Procedure for Conformity Assessment of Telecommunications Products by Certification and in the Operational Procedure for Homologation of Telecommunications Products by Declaration of Conformity.
- 7) The tests for conformity assessment may be carried out in a third party laboratory, national or foreign, accredited by an ILAC member organism, or in a 1st party laboratory qualified by Anatel.
- 8) In the Certification evaluation model, the tests may be carried out in the manufacturer's own laboratory (first part), provided that it meets the conditions established in the Operational Procedure for Selection, Evaluation and Qualification of Testing Laboratories for the Conformity Assessment Purposes of Telecommunications Products. In the evaluation model by Declaration of Conformity, the tests must be carried out in accredited third party laboratories, observing the order of priority for laboratory selection defined in the referred operational procedure.