



REGULATORY ACCESS SERVICES

Safety Brazil

TÜV Rheinland, your seal of approval for the Brazilian market

The National Institute of Metrology, Standardization and Industrial Quality (INMETRO) is the accreditation body representing the Brazilian government. It is responsible for the development of conformity assessment procedures and the accreditation of certification bodies. The Brazilian national standards developed by INMETRO regulate such products as electrical goods, garden tools, household appliances, telecommunications equipment and medical devices in terms of product safety, energy efficiency and noise emissions. Both mandatory and voluntary approvals have been introduced in response to different product categories and safety levels.



TÜV Rheinland is the largest, and also the **first**, independent third-party certification body to be accredited by INMETRO, the National Health Surveillance Agency (ANVISA) and the National Telecommunications Agency (ANATEL) in Brazil, and we offer a full scope of testing and certification services. With our advanced technologies and professional services, TÜV Rheinland helps you gain access to unlimited business opportunities in Brazil.



TÜV Rheinland is your reliable partner

- We are the first and largest independent third-party certification body to be accredited by the Brazilian government
- We provide you with cost-saving and highly efficient certification and maintenance services
- Our service scope encompasses 103 product categories
- We are the market leader in electrical and electronic product certification in Brazil, with a greater than 55% market share of mandatory certification business and a greater than 75% market share of voluntary certification business
- Our Brazilian market share of certification services for wires and cables is greater than 80%

Product scope of mandatory INMETRO approval

Before entry into Brazil, it is a legal requirement for electrical products to obtain mandatory safety approval that complies with INMETRO standards. Otherwise, they are not allowed to be sold in the Brazilian market. As accredited certification body in Brazil, TÜV Rheinland can provide you with one-stop services including testing, certification and maintenance.



Safety regulations applies to the following products:

- Cords and cables for usage up to 1000 V (fixed installations)
- Flexible wires, cables and cords for usage up to 750 V
- Plugs and socket-outlets for household and similar purposes
- Switches for household and similar purposes
- Electro medical equipment
- Low-voltage circuit breakers
- Hazardous location equipment
- Ballast for fluorescent lamps
- Automatic voltage regulators/stabilizers
- Certain household items added effective 7/2011
- Other products will continue to be added
- For IT equipment power cords and plugs must be INMETRO approved
- All IT equipment meant for federal procurement must be INMETRO approved, according to Portaria No. 170 (05.12.12). Currently the scheme is voluntary, but lack of certification will prohibit participating in the bidding process.
- Voluntary approval is also available for IT equipment NOT meant for government bids
Power tools and garden tools (excluding those subject to mandatory INMETRO approval)

- Connectors
- Battery chargers
- Switches for fixed electrical installation
- Household plugs and sockets
- Compressors
- Explosive atmosphere equipment
- Electric and electronic ballasts
- Equipment for gas systems
- Needles, syringes and infusion equipment
- Explosion proof products
- Automotive components
- NR-12 (machinery assessment)
- Telecom devices
- Others

Certification and maintenance process

Factory inspection* & product testing

- Test performed by an INMETRO or ILAC accredited lab (e.g., TÜV Rheinland)
- TÜV Rheinland factory inspection
- TÜV safety report

Customer Complaint Service (CCS) checking

- Audit performed at the legal representative by inspectors from TÜV Rheinland



Certification

- Documentation review and certificate issuance by TÜV Rheinland Group

Annual maintenance

- Frequency: 1 per year
- Partial test required for products that fall within mandatory scope
- TÜV Rheinland factory inspection
- Customer Complaint Service Verification Reporting

REMARKS

* License Holder can only be a Brazilian company with CNPJ number (Tax ID Number). No foreign companies are permitted to be listed as License Holder.

The factory inspection can be combined with other services offered by TÜV Rheinland, such as GS, cTUVus, TÜV and ENEC, to control costs.

According to INMETRO Decree No.371, it is mandatory to check the Customer Complaint Service (CCS) available from the Brazilian License Holder, which is legally responsible for any product recalls.

Partner with TUV Rheinland



As with many countries, there are continuously changing regulations for products that will be sold in this market. To stay compliant with these regulations, a manufacturer needs to partner with an expert certification and testing laboratory. They can keep them informed of regulations and help them navigate through the certification process, when getting ready to ship to a foreign country.

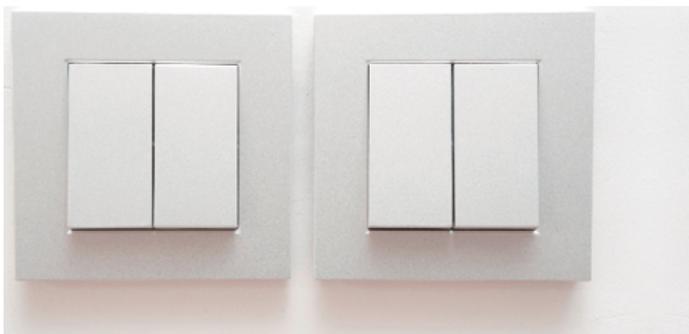
In Brazil, Certification bodies must be accredited by INMETRO, Electrical & electronic products that meet Brazilian requirements and that are certified by an INMETRO accredited organization must carry the mandatory INMETRO Mark along with the mark of the certification organization.

Product Manufacturers Rely on TUV Rheinland IA Team for:

- The most current country specific regulatory requirements
- Technical guidance and clear recommendations for compliance
- Recommendations for testing portfolio for multi-country approvals
- Competitive pricing and short lead times
- Expert knowledge on labeling, documentation, and customer requirements
- The highest level of customer service
- Seamless and efficient project management with weekly status updates
- Access to a full-time compliance team



Mandatory INMETRO approval mark



Voluntary INMETRO approval



Voluntary INMETRO approval is the ideal solution to proving the safety and conformity of products that are not subject to the mandatory scope of INMETRO approval. TÜV Rheinland can also boost the competitiveness and profitability of your products through this value-added service.

This mark stands for all the information about products, services and systems that are tested,



certified or inspected by TÜV Rheinland. Transparent, available anytime worldwide – powerful and unique. The TÜV Rheinland test mark.



Mandatory INMETRO approval

- National Institute of Metrology, Quality and Technology = INMETRO
- Established in December 1973
- Responsible for :
 - Accreditation of certification bodies (OCP) and laboratories
 - Development and implementation of the Brazilian Conformity Evaluation System
 - Identifying mandatory / voluntary product categories



Voluntary INMETRO approval mark



ABOUT TÜV RHEINLAND GROUP

TÜV Rheinland Group has more than 140 years of experience and is headquartered in Cologne. TÜV Rheinland Group is a leading group for the provision of technical services worldwide. It has 500 locations in 61 countries with a workforce of around 18,000. The business scope covers Industrial Services, Mobility, Products, LifeCare, Training and Consulting, Systems.



TÜVRheinland[®]

Precisely Right.

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