A Guide to Brazil’s Agricultural Machinery Compliance Requirements
A Guide to Importing Agricultural Machinery into Brazil

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1. Scope

This guide addresses all types of agricultural machinery regulated in Brazil.

2. General Overview of the Brazilian Regulatory Framework

Several agencies at the federal level have the authority to issue technical regulations in the particular areas of their competence. Technical regulations are always published in the Official Gazette and are generally based on international standards.

All agencies follow similar general procedures to issue technical regulations. They can start the preparation of a technical regulation ex officio or at the request of a third party. If the competent authority deems it necessary, a draft regulation is prepared and published in the Official Gazette, after carrying out an impact assessment of the new technical regulation. Technical regulations take the form of laws, decrees or resolutions. Brazil normally allows a six-month period between the publication of a measure and its entry into force.

Public hearings are also a way of promoting the public consultation of the technical regulations. Likewise, when the proposed technical regulation is considered to produce trade effects, this is notified to the WTO in order to allow Members to comment.

The National Institute of Metrology, Quality and Technology (INMETRO) is responsible for notifying the proposed technical regulations to the World Trade Organization (WTO) and acts as the national enquiry point under the WTO Agreement on Technical Barriers to Trade (TBT). All the projects of technical regulations that impact on international trade, even if those regulations are identical to international standards, are notified to WTO. It is worth noting that the vast majority of Brazil's technical regulations are prepared based on international standards and performance criteria.

In addition to its regulations and conformity assessment procedures, Inmetro notifies to WTO other government agencies’ technical requirements, for example, from the National Health Surveillance Agency (ANVISA), Ministry of Agriculture, Livestock and Supply (MAPA), the National Petroleum Agency, Natural Gas and Biofuels (ANP), the Ministry of Mines and Energy (MME), as well as the National Telecommunications Agency (ANATEL).

INMETRO is also responsible for receiving international comments concerning the drafts of technical regulations. The private sector, both domestic and foreign, may partake in discussions. After taking all comments and suggestions into account, the responsible body decides whether to adopt a technical regulation, with or without modifications.

With regard to the preparation of technical regulations, in 2007, Brazil adopted the Guide of Good Regulatory Practices, which offers recommendations on how to prepare, revise,
revoke and disseminate technical regulations. This encourages transparency and consistency in regulatory practices. The Guide recommends that public bodies focus on safety, health, environment and consumer protection issues. Nevertheless, there are no mandatory rules of general application to prepare technical regulations. Each entity is responsible for the adoption of technical regulations based on its own procedures.

INMETRO and all other regulators may develop and adopt conformity assessment procedures. The steps followed for conformity assessment procedures are similar to those taken for the preparation of technical regulations. There is a public consultation period and the measure is published in the Official Gazette. Conformity assessment procedures that differ from international standards or have considerable economic impact are also notified to WTO by INMETRO.

Based on the specific characteristics of the product, conformity assessment can be carried out through certification, labelling, inspection, sampling and/or a conformity declaration by the supplier. Certification is performed by accredited third parties and is usually voluntary. Products and services subject to mandatory certification are those that affect consumer health, safety or the environment. Certification is mandatory for toys, which are the object of this study.

Brazil recognizes products and systems certifications carried out by foreign certification agencies that signed a memorandum of understanding (MOU) with the Brazilian certification body or that have an agreement with Inmetro.

INMETRO is also the national body responsible for the accreditation of certification bodies, inspection, training, calibration and testing.

In Brazil, the Brazilian Association of Technical Standards (ABNT) is a non-governmental agency that receives financial support from the federal government. It is responsible for the development of voluntary standards. ABNT represents Brazil in The International Organization for Standardization (ISO) and The International Electrotechnical Commission (IEC) and in regional standardisation fora.

To ensure that the standards content is updated, standards in effect with more than five years are reviewed. The review process follows international guidelines and includes four months of public consultation through the ABNT website. During the consultation period, interested parties have the opportunity to tell whether the standard should be confirmed, cancelled or updated.

3. Regulatory Authorities for Agricultural Machinery

3.1. CONTRAN (National Traffic Council) and DENATRAN (National Department of Traffic)

http://www.denatran.gov.br/contran.htm
**CONTRAN’s Technical Regulations**

I. Resolution No. 281 of June 26, 2008 (Suspended by Contran Resolution No. 93/10. Amends Contran Resolution No. 344/10) – in effect from 07.01.2010.

Establishes criteria for the registration of tractors designed to pull or drag machinery of any kind or to perform agricultural labor or construction and paving.


II. Resolution No. 344 of March 5, 2010 (Amends Contran Resolution No. 281/08) – in effect.

Changes the deadline defined in Article 11 of CONTRAN Resolution No. 281 by establishing criteria for the registration of tractors designed to pull or drag machinery of any kind or to perform agricultural labor or construction and paving.


3.2. CONAMA (National Council of Environment)

http://www.mma.gov.br/conama/

**CONAMA’s Technical Regulations:**

I. Resolution No. 401 of November 4, 2008 – in effect.

Establishes the maximum limits of lead, cadmium, and mercury batteries sold in the country and the criteria and standards for their environmentally sound management, and other measures.

http://www.mma.gov.br/port/conama/legiabre.cfm?codlegi=589

II. Resolution No. 416 of 30 September 2009 – entered into effect one year after publication.

Provides for the prevention of environmental degradation caused by scrap tires and their environmentally sound disposal, and other measures.

http://www.mma.gov.br/port/conama/legiabre.cfm?codlegi=616

III. Resolution No. 433 of July 13, 2011 – will go into effect in January 2015.

Programme for the Control of Air Pollution of Automotive Vehicles – Proconve.

http://www.mma.gov.br/port/conama/legiabre.cfm?codlegi=654

3.3. MMA (Ministry of Environment)
MMA’s Technical Regulation


Establishes the National Policy on Solid Waste, providing for its principles, objectives, and instruments, as well as guidelines for the integrated management and the management of solid waste, including the hazardous, the responsibilities of generators and public power as well as tools to the public and applicable economic instruments.

http://www.mma.gov.br/port/conama/legiabre.cfm?codlegi=636

3.4. IBAMA (Brazilian Institute of Environment and Renewable Natural Resources)

http://www.ibama.gov.br/

IBAMA’s Technical Regulations


II. Normative Instruction 416 of March 18, 2010. Instruction No. 1 of 03/18/2010, which establishes the necessary procedures to comply with CONAMA Resolution No. 416 of 30 September 2009.


3.5. MTE (Ministry of Labor and Employment)

http://portal.mte.gov.br/portal-mte/

MTE’s Technical Regulations

I. NR 12, of December 17, 2010 – in effect.
Safety at Work in Machinery and Equipment


Activities in Unhealthy Operations
III. NR 17, of June 21, 2007 – in effect.
Ergonomics. Parameters for the adaptation of working conditions to the psycho-physiological characteristics of workers, in order to provide maximum comfort, safety and efficient performance

IV. NR 18, of August 4, 2011 – in effect.
Conditions and Work Environment in the Construction Industry

Safety and Health at Work in Agriculture, Livestock, Aquaculture, Silviculture and Forestry

3.6. INMETRO (National Institute of Metrology, Quality and Technology)
CAINT (General Coordination of International Affairs)
DISBT (Overcoming Technical Barriers Division)
http://www.inmetro.gov.br/barreirastecnicas/

INMETRO's Technical Regulations

- Tires

I. Ordinance No. 399 of October 11, 2011. 

II. Ordinance No. 385 of October 3, 2011.


IV. Ordinance No. 482 of December 7, 2010.
V. Ordinance No. 444 of November 19, 2010.

VI. Ordinance No. 429 of November 10, 2010.

VII. Ordinance No. 86 of March 19, 2010.

VIII. Ordinance No. 342 of September 24, 2008.

• Emissions
I. Resolution MDIC / CONMETRO No. 6 of December 18, 2007.

• Engines
I. Ordinance No. 488 of December 8, 2010.


4. Standards Developing Organizations
4.1. **ABNT (Brazilian Association of Technical Standards)**

[http://www.abnt.org.br/](http://www.abnt.org.br/)

**ABNT's Technical Regulations**


*Tratores agrícolas de rodas — Engate traseiro de três pontos — Categorias 1 N, 1, 2 N, 2, 3 N, 3, 4 N e 4*

Specifies the dimensions and requirements of the three-point hitch for attaching implements or equipment at the rear of agricultural wheeled tractors.


*Agricultural tractors – Operator's workplace, access and exit – Dimensions*

Specifies the dimensions of the design of agricultural tractors that have a minimum width gauge that exceeds 1150 mm.


*Tractors and agricultural and forestry machinery: Serial network for data communication and control. Part 8: Definition of the vehicle posts.*

Specifies a serial data network for control and communication in agricultural or forestry tractors and implements mounted, semi-assembled, self-propelled or towed. Its goal is to standardize the method and format of data transfer between sensors, actuators, control elements and units of storage and display of information, which are mounted on the tractor or the implement or part thereof. Part 8 of ISO 11783 describes the messages needed for tractors and self-propelled implements.


Specifies general safety requirements and their verification for the design and construction of conventional tractors used in agriculture and forestry. These tractors have at least two axles with wheels mounted with tires or tracks instead of wheels and smaller gauge rear axis greater than 1150 mm, with no ballast mass greater than 600 kg.


*Agricultural and forestry tractors - Roll-over protective structures on (EPC) in wheeled tractors narrow gauge. Part 1: Front-mounted EPC.*
Specifies the procedures for both static and dynamic tests of the rollover protective structure (EPC) mounted in front of agricultural tractors and forestry tractors with narrow gauge. It defines the security zone and the conditions of acceptance for security arches (EPC with two attachments), front drive or tilt, rear including any rear devices, and is applicable to equipped tractors that have specific characteristics.

Agricultural and forestry tractors - Roll-over protective structures on (EPC) in wheeled tractors narrow gauge.
Part 2: EPC mounted on the rear.
Specifies the procedures for static and dynamic testing of the rollover protective structure (EPC) mounted at the rear of agricultural tractors and forestry tractors with narrow gauge. It defines the security zone and the conditions for acceptance of rollover protective structures on the two attachment points (ROPS), rigid or tiltable, rear protective structures or cabin, and is applicable to well-equipped tractors that have specific characteristics.

Wheels and rims from road and agricultural vehicles – Terminology
Defines the technical terms and definitions of wheels and rims used on motor vehicles and their derivatives, or mixed-use load, and its trailer, vans, minibuses, buses, trucks and what they tow.

Agricultural tractors - Test procedures.
Part 3: Turning diameters and turning space.
Specifies a method for determining the diameter of the space of spin and spin of agricultural wheeled tractors.

Tractors and agricultural machinery - Seat Belts.
Part 2: Requirements for strength of anchors.
Specifies requirements for strength of anchors for safety belts, pelvic restraint, intended for use by operators of agricultural tractors and self propelled machines.

Agricultural wheeled tractors - Maximum speeds - Method of determination
Specifies a method to calculate the theoretical maximum speed of design and a method for measuring the speed of displacement of agricultural wheeled tractors.
*Tractors and machinery for agriculture and forestry - Serial Network for data communication and control.*  
Part 2: Physical layer.  
Specifies a serial data network for control and communication in agricultural or forestry tractors, implements and mounted, semi-assembled, self-propelled or towed. Its goal is to standardize the method and format of data transfer between sensors, actuators, control elements and display units and storage of information, which are mounted on the tractor, or any part thereof or implement. Defines and describes the physical layer specifications, such as data transmission on a bus to four twisted, unshielded, and transmission rate of 250 Kbit/s network.

*Tractors and machinery for agriculture and forestry - Serial Network for control and data communication.*  
Part 4: Network layer.  
Specifies a serial data network for control and communication in agricultural or forestry tractors and implements mounted, semi-assembled, self-propelled or towed. Its goal is to standardize the method and format of data transfer between sensors, actuators, control elements and display units and storage of information, whether mounted or part of the tractor or implement. Describes the network layer, which specifies the requirements and services needed for communication between electronic control units (ECU) in different network segments. The various types of network interconnection units are defined in this part.

*Tractors and machinery for agriculture and forestry - Serial Network for control and data communication.*  
Part 9: Tractor ECU.  
Specifies a serial data network for control and communication in agricultural or forestry tractors or implements mounted, semi-assembled, self-propelled or towed. Its goal is to standardize the method and format of data transfer between sensors, actuators, control elements and display units and storage of information, whether mounted on the tractor, or a part thereof on the implement. Describes the Tractor ECU, the electronic control unit that provides the gateway of the network between the buses on the tractor and the implement, and perform other tasks.

*Tractors and agricultural machinery - Seat belts.*  
Part 1: General location of anchors.  
Specifies the location, relative position, and size of tapped holes for the anchor sets of belts (safety) for pelvic restraint, intended for use by operators of agricultural tractors and self-propelled machines.

Agricultural and forestry tractors - Roll-over protective structures on (EPC) - Static test method and acceptance conditions

Specifies a static method and conditions for acceptance of the rollover protective structures (cab or frame) on agricultural tractors and forestry tractors.

Agricultural tractors - Power take-back types 1, 2 and 3.
Part 3: Location and dimensions of power and decision-spline.
Specifies the manufacturing requirements and the location of the rear power take-off (TDPs) of types 1, 2, and 3 on agricultural tractors.

Agricultural tractors - Power take-back types 1, 2 and 3.
Part 1: General specifications, safety requirements, dimensions for shield and free area.
Provides general specifications, including speeds, safety requirements, the dimension to shield and free areas to the rear power take-off (PTO) of types 1, 2 and 3 on agricultural tractors with a gauge setting greater than 1150 mm (tractors with a width adjustment gauge of 1150 mm or less are covered in ISOABNT NBR ISO 500-2).

Agricultural tractors - Power take-back types 1, 2 and 3.
Part 2: Tractors narrow-gauge dimensions to shield and free area.
Specifies the dimensions of the shield and open spaces to the rear power take-off (PTO) of types 1 and 2 tractors gauge (gauge width of 1150 mm or less).

V-belts for agricultural machinery - Combine harvesters – Requirements
Sets out the main requirements of V-belts for agricultural machines, endless power transmission pulleys in (grooved) with channels for the cross sections of HA, HB, HC, HD, H3V, H5V, H8V, HAA, HBB, HCC, HI, HJ, HK, HL, HM, HN, HO, HQ, J, L, M, on axis running vertically, horizontally or at an angle.

Agricultural irrigation equipment - Emitters and emitting pipe - Specification and test methods
Establishes the functional and mechanical requirements for issuers and issuers tubes for agricultural irrigation and, where applicable, their connections, and establishes test methods in accordance with the requirements. It also specifies the data to be supplied by the manufacturer to allow correct information, installation, and operation in the field.
PVC corrugated pipes and polyethylene for agricultural subsurface drainage
Specifies the minimum requirements required for corrugated pipes of PVC and polyethylene, used in agricultural subsurface drainage.

Agricultural irrigation equipment - Rotating sprinklers.
Part 1: Requirements for design and operation.

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Agricultural irrigation equipment - Rotating sprinklers.
Part 1: Requirements for design and operation.
Specifies requirements for design and operation for rotating sprinklers and sprinkler nozzles for agricultural irrigation equipment, and their test methods. It is applied to sprinklers installed in the distribution network for irrigation, operating under the pressures recommended by the manufacturer.

Tractors and machinery for agriculture and forestry - Technical resources to ensure safety.
Part 1: General.
Provides guidelines for the prevention of accidents arising from the use of tractors and agricultural and forestry machinery. It also specifies technical resources to improve the degree of personal safety for operators and others involved in the normal course of operation, maintenance and use, intended to be performed by the user of the machine.

Tractors and agricultural machines - fast-acting hydraulic connectors for general application
Specifies the essential dimensions of coupling and the operational requirements of hydraulic connectors to transmit hydraulic power from the tractors to implements and machines.
Road machinery, tractors and agricultural machinery and forestry - Seat reference point  
Specifies the method and device used to determine the position of the seat reference point (SIP) for any type of seat designed for road machines as defined in ISO 6165 and for tractors and agricultural and forestry machinery as defined in ISO 3339 -0.

Preparation of surface drainage projects for agricultural purposes - Requirements  
Establishes the minimum requirements necessary for the drafting of superficial drainage for agricultural purposes.

Development of projects for underground drainage for agricultural purposes – Requirements  
Establishes the general requirements for preparation and submission of underground drainage projects, in order to remove excess water from the soil to make it suitable for agricultural use or avoid salinization.

Agricultural drainage - Terminology and symbols  
Defines the terms used in agricultural drainage and the symbols for the preparation of letters, maps and plans that integrate the design of drainage for agricultural purposes.

Agricultural tractors - Determination of performance on drawbar - Test procedure  
Prescribes the method for determining the performance of agricultural tractors on the drawbar.

Agricultural spray nozzle - Test methods  
Prescribes the test methods to estimate the accuracy of the performance of hydraulic nozzles used in spray application of pesticides.

Tractors, agricultural machinery and implements - Hydraulic cylinders of remote control - Dimensions - Standardization  
Provides the basic dimensions of hydraulic cylinders used in remote control towing agricultural implements, as well as its wide open spaces and its components.
_Agricultural tractors - Determination of performance in power outlet - Test method_
Prescribes the method for determining the performance of agricultural tractors in the power outlet.

_Agricultural tractors - Power take-back - Dimensions_
Provides the dimensions and sets out the requirements for types 1, 2, and 3 of the power take-back of tractors (TDP), establishes the good as free zone around the TDP and the characteristics of the PTO guard.

_Flat products made of high carbon steel and bonded, hot-rolled for the manufacture of agricultural equipment_
Sets out the conditions required for ordering, manufacturing and supply of flat steel products and high-carbon low-alloy steel, hot rolled, for the manufacture of agricultural equipment.

_Agricultural tractors - Capacity of the hydraulic lifting system - Test method_
Prescribes the method for determining the following performance characteristics of the hydraulic lifting system of agricultural tractors.

_Agricultural tractors - Features and position of the drawbar_
Provides dimensions, locations and static vertical loads to the drawbar of agricultural tractors.

_Agricultural sprayers - Terminology_
Defines the terms of the usual components and parts of agricultural sprayers, and its operation.

_Machines and implements applicators of pesticides - Terminology_
Defines terms relating to machinery and implements applicators of pesticides.

Machines and implements applicators of pesticides - Classification
Classifies the machines and implements applicators of pesticides.

Measurement of vibration transmitted to the operator - agricultural wheeled tractors and agricultural machinery - Procedure
Sets out methods to measure and record the vibration of the human body to which the operator of agricultural wheeled tractors or other farm machinery is exposed. The machine operating conditions and characteristics of the artificial track optional tests are also included in this standard.

Application of pesticides - Terminology
Defines the general terms relating to the application of pesticides.

Methods of application of pesticides - Terminology
Defines the terms and methods of application of pesticides.

Farm Tractor - Determination of the center of gravity - Test method
Prescribes the method for determining the center of gravity of agricultural wheeled tractors or mats, with at least two axes.

Security guards for prop shaft of tractors and agricultural machinery - Laboratory tests - Test method
Prescribes the methods of laboratory testing to verify the robustness and durability of security guards to driveshaft in a temperature range from -35 °C to 60 °C.

Harrow teeth - Terminology
Defines the terms used in the identification of tooth harrows and its components.

Tooth harrows - Classification
Classifies tooth harrows according to the power source, coupled to the source of power, chassis and type of teeth.
*Symbols for agricultural machinery - Symbols*
Establishes graphic symbols to identify the commands and the operation controls and maintenance of agricultural machinery.

*Symbols for identification controls, indicators and pilot lights for road and industrial vehicles, road machines and road tractors*
Establishes the symbols that certain controls, indicators, pilot lights and warning instructions or operation of road vehicles, as TB-152, and industrial machinery automotive and road tractors must have in order to ensure identification and facilitate its use.

*Plies of low density polyethylene for waterproofing of water reservoirs of agricultural use - Specification*
Sets out the conditions required specification pads low density polyethylene for use in waterproofing work of water reservoirs, ponds, reservoirs, dams and barriers for agricultural use.

*Road motor vehicles - Removal and reinstallation of engines*
Establishes the general principles for removal, relocation and operation of reciprocating internal combustion engines for road, agricultural, industrial, marine, stationary and rail application as well as their aggregated components and peripherals, from the characteristics as specified by the manufacturer engine, in its various applications.

*Cylindrical trunks preserved of eucalyptus for farm buildings - Requirements*
Sets out the minimum conditions required for cylindrical trunks preserved eucalyptus for use in construction of fences, sheds, structures, crops and other similar constructions.

*Road motor vehicles. Grinding of reciprocating internal combustion engines*
Establishes general principles for implementing complete overhaul of alternative combustion engines for agricultural, industrial, marine, aviation, stationary, rail application, as well as of its individual components, from the characteristics as specified by the manufacturer engine, in its various applications.
Appliances and similar electrical appliances – Safety.
Part 2-76: Particular requirements for electrified fence.
Deals with electrified security fence, having a nominal voltage not exceeding 250V and through which the wire fences of farms, fences of wild and domestic animal control and security fences may be electrified or monitored.

Switchgear and low voltage control.
Part 2: Particular requirements for prefabricated electrical lines (bus bars systems).
Applies to electrical lines systems set up on factory and accessories, intended to feed and distribute electricity in buildings for residential, commercial, public, agricultural and industrial use. It also applies to electrical lines systems set up on factory that are designed to incorporate communication and/or control systems or lighting fixtures are designed to feed through elements of derivation, but does not apply to feed rail systems in accordance with IEC 60570.

Radiators - Performance characteristics - technical terms
Defines terms relating to the performance characteristics of the types of radiators welded, riveted and bolted for motor vehicles, road, industrial and agricultural tractors.

Discrimination of services for construction of buildings - Procedure
Discriminates technical services necessary for the preparation of planning, design, supervision and conduct of buildings, intended specifically for public buildings or private property, residential, commercial, industrial or agricultural.

Graphical symbols for systems and components for hydraulic and pneumatic brakes – Symbols
Establishes the graphic symbols for schematic representations of systems and components of pneumatic and hydraulic brakes of road and industrial vehicles, road machinery and tractors.

Trim seal for vehicles - Specification
Sets out the conditions required for rubber trim seal for outdoor use in road and industrial vehicles, tractors and road machines.
*Indicators of the electricity meters of temperature and fuel level - Specification*  
Sets out the conditions required for acceptance or receipt of indicators of the electricity meters of temperature and fuel level, used in road vehicles and industrial vehicles, road machinery and tractors.

*Indicators of the electricity meters of temperature and fuel level - Specification*  
Sets out the conditions required for acceptance or receipt of indicators of the electricity meters of temperature and fuel level, used in road and industrial vehicles, road machinery and tractors.

*Trim Brake - Determination of compressibility - Test method*  
Prescribes a test method for determining the compressibility lining disc brakes and drum used in road and industrial vehicles and tractors and road machines.

*Motor vehicle - Determination of internal noise - Test method*  
Prescribes the method for obtaining reproducible and comparable measurements of noise inside motor road vehicles of all kinds, including those where the driver and/or passengers occupying a cabin or open passenger compartment or even just a well-defined area, but excluding tractors and farm machinery and earthmoving equipment.

*Hydrostatic power steering - Terminology*  
Defines the terms used to describe the components of the hydrostatic steering motor vehicles designed to industrial vehicles, tractors and agricultural machinery like bulldozers.

*Irrigation - emitter - General requirements and test methods*  
Specifies the general requirements and test methods for irrigation emitters.

### 5. Certification and Testing Bodies

#### 5.1. Certification Laboratories Listed by Inmetro

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5.1.1. Tires

I. FCAV - Fundação Carlos Alberto Vanzolini (Foundation Carlos Alberto Vanzolini)
Address: Rua Camburiú nº 255, Lapa - São Paulo, CEP: 05058-020
Phone: (55) (11) 3836-6566 and Fax: (11) 3832-2070
Email: certprod@vanzolinicert.org.br
Site: http://www.vanzolini.org.br

II. IFBQ - Instituto Falcão Bauer da Qualidade (Falcão Bauer Quality Institute)
Address: Rua Cenno Sbrighi nº 45, Água Branca - São Paulo, CEP: 05036-010
Phone: (55) (11) 3611-1729 and Fax: (11) 3611-1729
Emails: sgpifbq@ifbauer.org.br
facchini@falcaobauer.com.br
Site: http://www.ifbauer.org.br

III. TÜV Rheinland do Brasil Ltda (TÜV Rheinland of Brazil Ltd)
Address: Avenida Paulista, n.º 302 - 2º, 3º e 4º Andar, Bela Vista - São Paulo, CEP: 01310-000
Phone: (55) (11) 3638-5700 and Fax: (11) 3638-5844
Email: suzete.suzuki@br.tuv.com
Site: http://www.tuvbrasil.com.br

IV. ABNT - Associação Brasileira de Normas Técnicas (Brazilian Association of Technical Standards)
Address: Av. Treze de Maio,13 - 28º andar, Centro - Rio de Janeiro, CEP: 20031-901
Phone: (55) (21) 3974-2308 and Fax: (21) 3974-2315
Email: sergio.pacheco@abnt.org.br
Site: http://www.abnt.org.br

V. IQA - Instituto da Qualidade Automotiva (Automotive Quality Institute)
Address: Alameda dos Nhambiwaras, 1509, Indianápolis - São Paulo, CEP: 04090-013
Phone: (11)5533-4545 and Fax: (11)5533-8867
Email: iqa@iqa.org.br
Site: http://www.iqa.org.br

VI. BRTÜV Avaliações da Qualidade S. A. (BRTÜV Quality Assessments)
Address: Alameda Madeira, 222 - 3º Andar, Cj. 31, Alphaville – Barueri, CEP: 06454-010
5.1.2. Emissions

I. Physical Acoustics South America Ltd
Address: Rua Joaquim Antunes, 574. Pinheiros - São Paulo. CEP: 05415-001
Phone: (11) 3082-5111 and Fax: (11) 3064-0713
Email: pedro@pasa.com.br
Site: http://www.pasa.com.br/pasa/

II. CEPEL - Centro de Pesquisas de Energia Elétrica (Research Center for Electric Power)
Address: Av. Olinda, s/nº. Adrianópolis - Nova Iguaçu. CEP: 26053-121
Phone: (21) 2667-8631 and Fax: (21) 2667-8630
Email: sanguedo@cepel.br
Site: http://www.cepel.br

III. UL do Brasil Certificações S/C (UL Certifications in Brazil)
Address: Rua Fidêncio Ramos, 195 - 2º andar. Vila Olímpia - São Paulo. CEP: 04551-010
Phone: (11) 3049-8300 and Fax: (11) 3049-8252
Email: pericles.arilho@br.ul.com

5.1.3. Engines

I. INOR - Instituto da Normalização na Segurança, Saúde, Qualidade, Produtividade, Avaliações e Juízo Arbitral (Institute of Standardization in Health, Safety, Quality, Productivity, Assessment and Arbitration)
Address: Av Rio Branco,307 - Grupo 123. Centro - São Paulo. CEP: 01205-000
Phone: (55) (11) 3333-7218 and Fax: (11) 3333-7218
Email: faleconosco@inor.org.br
Site: http://www.inor.org.br
II. IQA - Instituto da Qualidade Automotiva (Institute of Automotive Quality)
Address: Alameda dos Nhambiquaras, 1509. Indianápolis - São Paulo. CEP: 04090-013
Phone: (11) 5533-4545 and Fax: (11) 5533-8867
Email: iqa@iqa.org.br
Site: http://www.iqa.org.br

III. BRTÜV Avaliações da Qualidade S. A. (BRTÜV Quality Assessment)
Address: Alameda Madeira, 222 - 3º Andar, Cj. 31. Alphaville – Barueri. CEP: 06454-010
Phone: (11) 4689-9400 and Fax: (11) 4689-9404
Email: thfuto@tuv-nord.com
Site: http://www.brtuv.com.br

IV. BVQI do Brasil Sociedade Certificadora Ltda (BVQI Certification Society of Brazil Ltd)
Address: Avenida do Café, 277 - 5º Andar. Vila Guarani - São Paulo. CEP: 04311-200
Phone: (11) 2655-9001 and Fax: (11) 2655-9001
Email: certificacao.bvqi@br.bureauveritas.com
Site: http://www.bvqi.com.br

V. IBC - Instituto Brasileiro de Certificação (Brazilian Institute of Certification)
Address: Rua André Rocha, 277. Taquara - Rio de Janeiro. CEP: 22730-521
Phone: (21) 2423-5515 and Fax: (21) 2435-2334
Email: ibcertt@yahoo.com.br
Site: http://www.ibcrj.org/

VI. ACTA - Supervisão Técnica Independente (Independent Technical Oversight)
CEP: 20021-120
Phone: (21) 2524-2574 and 2524-3000 and Fax: (21) 2240-2558
Email: acta@acta.org.br
Site: http://www.acta.org.br

VII. MVM Certificadora (MVM Certification)
Address: Rua do Imperador Pedro II, 307 sala 1101. Santo Antônio – Recife. CEP: 50010-240
Phone: (81) 3202-5512 and Fax: (81) 3202-5512/ 5514 e 5518
Email: mvm@mvm-certificadora.org.br
Site: http://www.mvm-certificadora.org.br
VIII. ABRACE - Avaliações Brasil da Conformidade e Ensaios (Brazil's Compliance Assessments and Tests)
Address: Rua Dr. Neto de Araújo, 397-A - Conj. 4D. Vila Mariana - São Paulo.
CEP: 04111-001
Phone: (11) 5575-6987 and Fax: (11) 5575-6987
Email: executivo@abracesp.org.br
Site: http://www.abracesp.org.br

IX. Certified Serviços de Certificação Ltda (Certified Certification Services Ltd)
Address: Rua H, nº 40/parte. Retiro - Volta Redonda. CEP: 27275-406
Phone: (21) 3717-4893 and Fax: (24) 3323-7920
Email: gc.certified@terra.com.br

5.2 Testing Laboratories Listed by Inmetro

5.2.1. Tires

I. Goodyear do Brasil Produtos de Borracha LTDA - Laboratórios de Ensaios de Pneus (Goodyear Rubber Products of Brazil LTD - Laboratory Testing of Tires)
Phone: (19) 3471-1322 and Fax: (19) 3471-1446
Email: pedro.teixeira@goodyear.com
Site: http://www.goodyear.com.br

II. Bridgestone do Brasil Indústria e Comércio LTDA (Brazil's Bridgestone Industry and Trade LTD – Laboratório de Avaliação de Produto (Laboratory of Product Evaluation)
Address: AV. Queirós dos Santos  1.717. Casa Branca, Santo André, SP. Brasil
Phone: (11) 4433-1337 and Fax: (11) 4433-1466
Email: jpinzan@bfbr.com.br
Site: http://www.bridgestone.com.br

III. Pirelli Pneus LTDA – Laboratório de Ensaios Indoor (Pirelli Tires Ltd - Indoor Laboratory Testing)
Address: Av. Giovanni Batista Pirelli, 871. Vila Homero Thon, Santo André, SP. Brasil
Phone: (11) 4998-5971 and Fax: (11)4998-5313
Email: vicente.vairo@pirelli.com
IV. Compañía Hulera Tornel S. A. de CV- Tornel – Centro de Evaluación y Desarrollo
Address: Calle Nueva Santo Domingo 110. France. Ind. San Anto, Azcapotzalco/México
Phone: (05255) 5354-0200 and Fax: (05255) 5561-2151
Email: ggonzalez@tornel.com.mx

V. Maggion Indústrias de Pneus e Máquinas LTDA – Laboratório de Ensaio de Pneus (Tires Laboratory Test)– LEP
Address: Rua José Campanella, 501. Macedo, Guarulhos, SP. Brasil
Phone: (11) 2229-9200 and Fax: (11) 2229-9293
Email: qualidade@maggion.com.br

VI. Laboratório de Ensaios Ouropar LTDA (Ouropar Testing Laboratory LTD)
Address: Rua Luiz Alegretti, 193- Posto de Atend Autorizado. Licorsul, Bento Gonçalves, RS. Brasil.
Phone: (54) 3455-7500 and Fax: (54) 3451-4002
Email: labouropar@gmail.com

VII. Instituto Lab System de Pesquisas e Ensaios LTDA – Lab System
Address: Avenida Guinle, 106. Cidade Industrial Satélit, Guarulhos, SP. Brasil.
Phone: (11) 2446-0053 and Fax: (11) 2446-0041.
Email: ilspe@labsystem.com.br
Site: http://www.labsystem.com.br

VIII. Industrial Levorin S/A - Laboratório de Ensaio de Pneus Levorin
Address: Av. Monteiro Lobato, 2.641. São Roque, Guarulhos, SP. Brasil.
Phone: (11) 2464-6500/6591 and Fax: (11) 6464-6639.
Email: hugo@levorin.com.br
Site: http://www.levorin.com.br/novo_site/default.asp

IX. Vipaltec – Pesquisa e Desenvolvimento Tecnológico LTDA
Address: Rua Itália, 715. Distrito Industrial, Nova Prata, RS. Brasil.
Phone: (54) 3242-3850 and Fax: (54) 3242-2121
Email: caio.chiomento@vipal.com.br
Site: http://www.borrachasvipal.com.br/servicosLabTec.asp
5.2.2. Emissions

I. General Motors do Brasil LTDA – Laboratório de Emissões do Campo de Provas da Cruz Alta (General Motors of Brazil - Field Emissions Laboratory of Cruz Alta)
Address: Estrada General Motors, S/Nº. Caldeira, Indaiatuba, SP. Brasil
Phone: (19) 3894-9127/9228 and Fax: (19) 3894-9090
Email: danilo.torres@gm.com

II. Volkswagen do Brasil - Laboratórios de Emissões Veiculares (Volkswagen of Brazil - Vehicle Emissions Laboratory)
Address: Estr. Marginal da Via Anchieta, KM 23,5-CPI 1248. Demarchi, S. Bernado do Campo, SP. Brasil
Phone (11) 4347-3773 and Fax: (11) 4347-4193.
Email: josé antonio.chiconi@volkswagen.com.br

III. Fiat Automóveis S/A – Filial – Laboratório de Emissões e Consumo (Fiat Cars - Branch - Consumption and Emissions Laboratory)
Address: Avenida do Contorno da Fiat, 3455 - Galpão 50. Dist. Ind. Paulo C. Pena, Betim, MG. Brasil
Phone: (31) 2123-5235 and Fax: (31) 2123-5074
Email: julio.duarte@br.fptpowertrain.com

IV. Ford Motor Company Brasil TDA - Laboratório de Emissões do Campo de Provas de Tatuí (Ford Motor Company Brazil - Emissions Laboratory Proving Ground Tatuí)
Address: Rodovia SP 127 km 124. Pederneiras, Tatuí, SP. Brasil
Phone: (15) 3205-9718 and Fax: (15) 3205-9705
Email: esato@ford.com

V. Robert Bosch Ltda Robert – Laboratório de Emissões Veiculares (Vehicle Emissions Laboratory)
Address: Via Anhanguera, KM 98. Boa Vista, Campinas, SP. Brasil
Phone: (19) 2103-4325 and Fax: (19) 2103-2666
Email: andre.godoy2@br.bosch.com
VI. SGS do BRASIL LTDA – Laboratório de Análises (SGS LTDA BRAZIL - Analysis Laboratory)
Address: Av. Vereador Alfredo das Neves, 480. Alemao, Santos, SP. Brasil
Phone: (13) 2105-9602/ 9576 and Fax: (13) 3296 2921
Email: jorge.spitti@sgs.com

LABELO
Address: Av Ipiranga, 6681- Prédio 30 - Bloco 3 - Sala 200. Partenon, Porto Alegre, RS. Brasil
Phone: (51) 3320-3551 and Fax: (51) 3320-3901
Email: eseitz@pucrs.br, domingo.alves@pucrs.br

VIII. Instituto Brasileiro de Ensaios de Conformidade LTDA – IBEC (Brazilian Institute of Conformity Testing LTD – IBEC)
Phone: (19) 3845-5965 and Fax: (19) 3845-5964
Email: fbarbarini@ibec.com.br

IX. Fundação CPQD – Centro de Pesquisa e Desenvolvimento em Telecomunicações – Laboratórios da Fundação CPQD (CPQD Foundation - Center for Research and Development in Telecommunications - CPQD Foundation Laboratories)
Address: Rodovia Campinas – Mogi Mirim KM 118,5. Campinas, SP. Brasil
Phone: (19) 3705-7132/7051/6410 and Fax: (19) 3705-6776
Email: betecida@cpqd.com.br

X. Tasqa Serviço Analíticos LTDA. – Laboratório Ambiental (Tasqa Analytical Services LTD - Environmental Laboratory)
Address: Praça 28 de Fevereiro, 55. Nova Paulínia, SP. Brasil
Phone: (19) 2138 8888 and Fax: (19) 2138.8883
Email: qualidade@tasqa.com.br
Site: http://www.tasqa.com.br
XI. Instituto de Pesquisa Eldorado- Laboratório de Ensaios e Teste (Eldorado Research Institute, Laboratory Tests and Testing)
Address: Avenida Érico Veríssimo, S/Nº. Cidade Universitária, Campinas, SP. Brasil
Phone: (19) 3757-3267 / 3092 / 3123 and Fax: (19) 3757-3040
Email: joaquim.carlos@eldorado.org.br
Site:  http://www8.eldorado.org.br/site/

XII. Delphi Automotive System do Brasil LTDA – Centro Tecnológico de Piracicaba (Delphi Automotive Systems of Brazil LTDA - Technological Center of Piracicaba)
Address: Anel Viário Municipal, 195. Unileste, Piracicaba, SP. Brasil
Phone: (19) 3429-5431/5429 and Fax: (19) 3429-5421
Email: angelo.juliato@delphi.com

XIII. Lab Soluções Tecnológicas LTDA -  Laboratórios de Ensaios (Lab Technology Solutions LTD - Testing Laboratories)
Address: Rua Pastor Eurípedes Souza de Oliveria, 135. Centro, Pinhais, PR. Brasil
Phone: (41) 3371-3600/3643/3604 and Fax: (41) 3275-5859
Email: otto@labtelecom.com.br

XIV. Analytical Technology: Serviços Analíticos e Ambientais LTDA (Analytical and Environmental Services LTD)
Address: Rua Bittencourt Sampaio, 105. Vila Mariana, São Paulo, SP. Brasil
Phone: (11) 5904-8800 and Fax: (11) 5904-8801
Email: anapaula@analyticaltechnology.com.br
Site: http://www.anatech.com.br

XV. Corplab Serviços Analíticos Ambientais LTDA (Corplab Environmental Analytical Services LTD)
Address: Rua Galátea, 1.824. Carandiru, São Paulo, SP. Brasil
Phone: (11) 2221-0127 and Fax: (11) 2221-0127
Email: mktakata@corplab.net
Site: http://www.corplab.net/web/corplab_brasil/corplab_brasil_servicos.html

XVI. Bachema Serviços Analíticos Ambientais LTDA (Bachema Environmental Analytical Services LTD)
Address: Rua Agostino Togneri, 115. Jurubatuba, São Paulo, SP. Brasil
Phone: (11) 5634-0112 and Fax: (11) 5634-0102
Email: adriana.marra@bachema.com.br
Site: http://www.bachema.com.br/
XVII. Laboratório São Lucas LTDA. – Ambiental São Lucas – ASL (Laboratory São Lucas LTDA - Environmental São Lucas)
Address: Rua 21, Nº 470. Estácio, Rio Claro, SP. Brasil
Phone: (19) 3524-8656 and (19) 3524-8657
Email: datec@aslaa.com.br

XVIII. Instituto de Tecnologia para o Desenvolvimento – LACTEC –Laboratório de Emissões Veiculares - LACTEC- LEME (Institute of Technology for Development – LACTEC - Vehicle Emissions Laboratory – LACTEC-LEME)
Address: Av Prefeito Lothário Meissner, 01. Jardim Botânico, Curitiba, PR. Brasil.
Phone: (41) 3361-6349 and Fax: (41) 3366-7373
Email: leme_ensaio@lactec.org.br
Site: http://www.lactec.org.br/pt/

XIX. Instituto Nacional de Pesquisas Espaciais – INPE - Laboratório de Emi/Emc/Antenas (National Institute for Space Research - INPE - Laboratory of EMI / EMC / ANTENAS)
Address: Av. dos Austronautas, 1758. Jardim da Granja, São José dos Campos, SP. Brasil.
Phone: (12) 3208-6296 / Fax: (12) 3941-1884
Email: emc@lit.inpe.br
Site: http://www.inpe.br

XX. Instituto de Certificações Brasileiro S/A. – CertLab
Address: Rua Maestro Francisco Manoel da Silva, 71. Santa Genebra, Campinas, SP. Brasil
Phone: (19) 3259.1450
Email: danilo@icbr-certlab.org.br
Site: http://www.certlab.org.br

XX. FIT – Flextronics Instituto de Tecnologia - WTL – Wireless Technology Laboratory (Flextronics Institute of Technology - WTL - Wireless Technology Laboratory)
Address: Rodovia Senador José Ermirio DE Moraes, KM 11. Jardim IPÊ, Sorocaba, SP. Brasil
Phone: (15) 4009.6000 / Fax: (15) 4009.6138
Email: julio.amorim@fit-tecnologia.org.br
Site: http://www.fit-tecnologia.org.br
XXI. Tasqa Serviços Analíticos LTDA (Tasqa Analytical Services LTD)
Address: Avenida Pero Vaz de Caminha, 329 Sala: 01. Bom Retiro, Ipatinga, SP. Brasil
Phone: (31) 3823-4433 and Fax: (31) 3823.4433
Email: qualidade@tasqa.com.br
Site: http://www.tasqa.com.br

XXII. Air Services Estudos e Avaliações Ambientais – Air Services Estudos e Avaliações Ltda (Air Services Studies and Environmental Assessments - Air Services Studies and Evaluations LTD)
Address: Rua Felipe Gadelha, 125. Santana, São Paulo, SP. Brasil
Phone: (11) 2089.6300
Email: rodolfomarcato@aservices.com.br

XXIII. Japh Serviços Analíticos LTDA (Japh Analytical Services)
Address: Rua Itália, 496. Vila Bressani, Paulinia, SP. Brasil
Phone: (19) 3844.7116 and Fax: (19) 3933.1234
Email: paulo@japh.com.br
Site: http://www.japh.com.br

XXIV. Aguapé Soluções Ambientais LTDA (Aguapé Environmental Solutions LTD)
Address: Rua Antonor Pereira, 827. Jardim Morumbi, Pirassununga, SP. Brasil
Phone: (19) 3562.2008 and Fax: (19) 3562.2008
Email: lorenzetti@oikosambiental.com.br
Site: http://aguapesolucoesambientais.com.br/

XXV. Geovaliar Análises e Consultorias Ambientais LTDA (Geovaliar Analysis and Environmental Consulting LTD)
Address: Rua Cordoba, 161. STA. Cruz Industrial, Contagem, MG. Brasil
Phone: (31) 3352.3400 and Fax: (31) 3352.3400
Email: ADM@GEOAVALIAR.COM.BR

XXVI. Companhia Brasileira de Metalurgia e Mineração (Brazilian Company of Metallurgy and Mining)
Address: Fazenda Córrego da Mata, S/N. Zona Rural, Araxá, MG. Brasil
Phone: (34) 3669.3378 and Fax: (34) 3669.3800
Email: amenezes@cbmm.com.br
Site: http://www.cbmm.com/
5.2.3. Engines

I. Gl Elektro- Eletrônicos LTDA – Laboratórios de Ensaios Elétricos (Gl Consumer Electronics LTD - Electrical Testing Laboratories)
Address: Rua João Stukas, 3312. Jardim São Vicente, Campo Largo, PR. Brasil
Phone: (41) 3391-3257 and Fax: (41) 3391-3258
Email: clecio-roberto.dambiski@legrand.com.br

II. Tecumseh do Brasil LTDA – Laboratório de Aplicação e Desenvolvimento (Tecumseh Brasil LLC - Application and Development Laboratory)
Address: Rua Cel José Augusto de Oliveira Salles, 478. Vila Isabel, São Carlos, SP. Brasil
Phone: (16) 3363-7118/7231 and Fax: (16) 3363-7219
Email: cassio.maule@tecumseh.com

III. Instituto de Eletrotécnica e Energia da Universidade de São Paulo - IEE/USP – Laboratório de Ensaio (Electrotechnics and Energy Institute of the University of Sao Paulo - IEE/USP - Testing Laboratory)
Address: Av. Professor Luciano Gualberto, 1.289. Cidade Universitária, São Paulo, SP.
Brasil
Phone: (11) 3091-2612/2507/2604 and Fax: (11) 3032-7750
Email: vlamir@iee.usp.br
Site: http://www.iee.usp.br

IV. Cestesb – Companhia Ambiental do Estado de São Paulo – Setor de Laboratório e Emissão Veicular (Environmental Company of São Paulo State - Division of Laboratory and Vehicle Emissions)
Address: AV. Professor Frederico Hermann Junior – 345. Alto dos Pinheiros, São Paulo, SP. Brasil
Phone: (11) 3133-3696 and Fax: (11)3133-3402
Email: tdtl@cetesbnet.sp.gov.br
Site: http://www.cetesb.sp.gov.br

V. Instituto de Pesquisas Tecnológicas do Estado de São Paulo – IPT - Laboratório de Equipamentos Elétricos e Ópticos do Centro de Integridade de Estruturas e Equipamentos (Institute of Technological Research of São Paulo - IPT - Laboratory for Electrical and Optical Center, Integrity of Structures and Equipment)
Address: Av. Prof Almeida Prado, 532. Cidade Universitária, São Paulo, SP. Brasil
Phone: (11) 3767-4823 and Fax: (11) 3767-4007
Email: mleite@ipt.br
Site: http://www.ipt.br
VI. Cientec – Fundação de Ciência e Tecnologia – Departamento de Engenharia Eletroeletrônica (Foundation for Science and Technology – Electrical Electronic Engineering Department)
Address: Av. das Indústrias, 2.270. Distrito Industrial,Cachoeirinha, RS. Brasil
Phone: (51) 3287-2088 and Fax: (51) 3470-2089
Email: flavio@cientec.rs.gov.br
Site: http://www.cientec.rs.gov.br/?model=conteudo&menu=161

VII. Serviço Nacional de Aprendizagem Industrial - Senai - Centro de Tecnologia Industrial Pedro Ribeiro (National Service of Industrial Learning - Senai - Industrial Technology Center Pedro Ribeiro)
Address: Av. Luiz Tarquino Pontes, 938. Aracuí, Lauro de Freitas, BA. Brasil
Phone: (71) 3287-8266 and Fax: (71) 3287-8276
Email: jicarla@cetind.fieb.org.br

VIII. TÜv Rheinland do Brasil ltda. - Laboratório de Ensaios - Divisão Uciee (TÜV Rheinland of Brazil Ltda. - Testing Laboratory - Division UCIEE)
Address: Rua dos Comerciários, 220. Jabaquara, São Paulo, SP. Brasil
Phone: (11) 5588-6123 and (11) 5588-6156
Email: ivan.bornal@br.tuv.com

IX. Instituto de Tecnologia para o Desenvolvimento – Lactec - Laboratório de Pilhas e Baterias-LACTEC/Bilhas (Institute of Technology for Development - Lactec - Laboratory of Batteries and Baterias-LACTEC/Batteries)
Address: BR 116, Km 98-S/Nº - Centro Politécnico da UFPR. Jardim das Américas, Curitiba, PR. Brasil.
Phone: (41) 3361-6164 and Fax: (41) 3361-6163
Email: rodolfo@lactec.org.br
Site: http://www.lactec.org.br/pt/

X. Instituto de Tecnologia para o Desenvolvimento – Lactec - divisão de serviços eletromecânicos - Lactec/Dvem (Institute of Technology for Development - LACTEC - Electromechanical Services Division)
Address: BR 116, KM 98-S/Nº - Centro Politécnico da UFPR. Jardim das Américas, Curitiba, PR. Brasil
Phone: (41) 3361-6227 and Fax: (41) 3361-6347
Email: luminotecnica@lactec.org.br
Site: http://www.lactec.org.br/pt/

XI. Instituto Mauá de Tecnologia - Divisão de Motores e Veículos (Mauá Institute of Technology - Division of Motor Vehicles and Engines)
Address: Praça Mauá, 01. Mauá, São Caetano do Sul, SP. Brasil  
Phone: (11) 4239-3000 and Fax: (11) 4239-3131  
Email: romio@maua.br  
Site: http://www.maua.br

XII. Instituto de Pesquisas Tecnológicas do Estado de São Paulo – IPT - Centro de Metrologia em Química (Institute of Technological Research of São Paulo - IPT - Center for Metrology in Chemistry)  
Address: Av. Professor Almeida Prado, 532. Cidade Universitária, São Paulo, SP. Brasil  
Phone: (11) 3767-4569 and Fax: (11) 3767-4572  
Email: heloisaa@ipt.br  
Site: http://www.ipt.br

XIII. Companhia de Eletricidade do Estado da Bahia – Coelba - Laboratório de Calibração e Ensaios de Instrumentos Elétricos e Medidores de Energia (Electricity Company of the State of Bahia - Coelba – Laboratory of Testing and Calibration of Instruments Electrical and Energy Meters)  
Address: AV. Edgard Santos, 300. Narandiba, Salvador, BA. Brasil  
Phone: (71) 3370-5682 and Fax: (71) 3370-5697  
Email: ebsilva@coelba.com.br  
Site: http://www.coelba.com.br

XIV. Cam Brasil Multiserviços Ltda - Lmee Laboratório de Medidores (Brazil Multiservice Cam Inc. - Lmee Laboratory Meters)  
Address: Av. José Mendonça de Campos, 680. Colubandê, São Gonçalo, RJ. Brasil  
Phone: (21) 2702-8086/8077/8000 and Fax: (21) 2702-8060  
Emails: laboratorio@cambr.com.br  
mquintanilha@cambr.com.br

XV. Cam Brasil Multiserviços Ltda - Laboratório Metrológico cam (Brazil Multiservice Cam Inc. - Lmee Laboratory Meters)  
Address: Av. Eusébio de Queiroz, 3494. Centro, Eusébio, CE. Brasil  
Phone: (85) 3260-6434/6435 / Fax: (85) 3260-6418.  
E-mail: rodrigogaraao@cambr.com.br

XVI. Universidade Federal de Santa Catarina - Maglab - Laboratório de Eletromagnetismo e Compatibilidade Eletromagnética (Federal University of Santa Catarina - Maglab - Laboratory of Electromagnetism and Electromagnetic Compatibility)  
Address: Campos Universitário cp. 5024. Trindade, Florianópolis, SC. Brasil.  
Phone: (48) 3721-7557 and Fax: (48) 3721-7557  
Email: adroaldo.raizer@gmail.com
XVII. ITEN - Instituto Tecnológico de Ensaios Ltda (ITEN - Technological Institute of Tests LTD)
Address: Avenida Victor Civita, 2064. Jardim Tereza, Osasco, SP. Brasil
Phone: (11) 3591-4296 / (11) 3431-4145 and Fax: (11) 3591-4296
Email: seixas@itensp.com.br
Site: http://www.itensp.com.br

XVIII. Copel distribuição s/a - PEA Copel (Copel distributions)
Address: Rua Estrada da Graciosa Nº 730. Atuba, Curitiba, PR. Brasil
Phone: (41) 3331-4861 / (41) 3310-5222
Email: luiz.emilio@copel.com

XIX. Vijai Elétrica do Brasil Ltda - Laboratório de Testes Elétricos (Vijai Electrical Brazil Ltd - Laboratory Electrical Testing)
Address: Av. das Indústrias , nº 400 - Bloco A. Distrito Industrial, João Pessoa, PB. Brasil
Phone: (83) 3533-1000 and Fax: (83) 3533-1001
Email: surya@vijai.com.br
Site: http://www.vijai.com.br/

6. Government Partners

I. CONTRAN
National Traffic Council (CONTRAN)
National Department of Traffic (DENATRAN)
http://www.denatran.gov.br/contran.htm
http://www.denatran.gov.br/resolucoes.htm

II. CONAMA
National Council of Environment (CONAMA)
http://www.mma.gov.br/conama/
http://www.mma.gov.br/port/conama/legiano.cfm?codlegitipo=3
III. MMA
Ministry of Environment (MMA)
http://www.mma.gov.br/
http://www.mma.gov.br/sitio/index.php?id=legislacao.index&tipo=0

IV. IBAMA
Brazilian Institute of Environment and Renewable Natural Resources (IBAMA)
http://www.ibama.gov.br/
http://www.ibama.gov.br/documentos-recursos-pesqueiros/legislacao

V. MTE
Ministry of Labor and Employment (MTE)
http://portal.mte.gov.br/portal-mte/
http://portal.mte.gov.br/legislacao/

VI. INMETRO
National Institute of Metrology, Quality and Technology (INMETRO)
General Coordination of International Affairs (CAINT)
Overcoming Technical Barriers Division (DISBT)
http://www.inmetro.gov.br/barreirastecnicas/
http://www.inmetro.gov.br/legislacao/consulta.asp?seq_classe=1

VII. ABNT
Brazilian Association of Technical Standards (ABNT)
http://www.abnt.org.br
http://www.abntnet.com.br
http://www.abntcatalogo.com.br/

7. Major Market Entities

I. Brazilian Association of Machinery and Equipment (ABIMAQ)
http://www.abimaq.org.br/