

## RF/EMC Regulatory Update

### International Issue

Dear Colleague,

We have provided typical questions and answers that represent in most cases technical opinions with justification in international regulatory requirements. The particulars of the product for certification must be considered with respect to the applicability of these questions and answers. We hope you find our update valuable and welcome your feedback if you have any special needs or questions. Call us at 703-689-0368 for your product testing & certification requirements. You can view archived issues of MultiPoint at our [web site](#).

**NOTE: We hope you enjoy reading our second monthly MultiPoint newsletter publication featuring Q/A on international regulatory requirements and developments.**

### Russia: GOST-R Certificate with Multiple Models

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**QUESTION:** Our company hopes to sell several models of our product in Russia. Can you tell me if multiple models are allowed on one GOST-R Certificate?

**ANSWER:** The Russian GOST-R Certificate should reflect only the models that are listed in the CB Certificate. This is a rule of recognition of foreign CB certificates under the IEC CB scheme. If a company has a CB Certificate for a base model only, and there are many similar models which are not listed on the CB Certificate, a Declaration of Identity from the manufacturer can be created and include all the similar models. The required documents are:

- CB test report
- CB certificate
- EMC test report
- ISO9000 certificate if available
- User Manual

### Brazil: Approval for Cables

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**QUESTION:** My client is a large conglomerate that not only produces electronics for import but also produces cables to work with these electronic devices. They've already successfully received type approval from Brazil for the electronic devices. Do the cables need approval?

**ANSWER:** Yes, cables require type approval just like any other product, and like most other products, you will be faced with a litany of questions. Be prepared to provide details for each cable such as the cable type (i.e. Ethernet vs. coaxial), length, connector types, rigidity/flexibility, intended use, and if flame retardant, which class. These issues and more are all considered in the type approval process for cables.

The test requirement is a local resolution based on international guidelines listed below:

- IEC 61034-1:1997 - Measurement of smoke density of cables burning under defined conditions - Part 1: Test apparatus

- IEC 61034-1:1997 - Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure requirements
- NFPA 262:2002 - Standard Method of Test for Flame Travel and Smoke of Wire and Cables for Use in Air-Handling Spaces.
- UL 1581:1997 - Standard for electrical wires, cables and flexible cords
- UL 1666:1997 - Standard test for flame propagation height of electrical and optical-fiber cables installed vertically in shafts
- UL 1685:2000 - Standard for Vertical-Tray fire- propagation and smoke release test for electrical and optical-fiber cables

## RFID Market Outlook

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**QUESTION:** Our client has been thinking of breaking into the RFID field for years. They have products ready but are worried that the economy won't support more products in the market. What can we advise them?

**ANSWER:** I would tell your client that now is the best time to start introducing products into the field. A recent report by ABI Research predicts a steady growth in the RFID market for the next five years. They expect the RFID market to exceed \$8.25 billion over the next five years, which translates to a 14% compound annual growth rate. The news is even better if your client utilizes RFID for modernizing applications. Areas such as cargo tracking and supply chain management are expected to grow approximately 19% during the same five year period.

## Brazil - Additional Questions About SAR Requirements

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**QUESTION:** I have a couple of questions about the new Brazilian SAR requirements listed in your December 2009 Multipoint International Update. Will the Brazilian authority accept U.S. test reports or do we need to have SAR testing performed in Brazil? Also, are old products grandfathered in or do they need to be re-certified?

**ANSWER:** The Brazilian authority will not accept U.S. test reports. All SAR testing must be done in Brazil. When applying for ANATEL approval, OCD will first study the technical specifications of the product and where the product will be used. Then, the OCD compiles a list of test requirements. At that time they will determine if SAR testing is a requirement. Presently there are only two laboratories that have been authorized by ANATEL to perform this SAR testing.

Depending on their category, products already in use may be grandfathered in. In Brazil, products fall into one of three categories. Category 1 products are used by the general public and require a review once a year; at that time any new regulations that would apply to that product must be tested. Category 2 products are used by the public and some technicians and require a review every 2 years; at that time any new regulations that would apply to that product must be tested. Category 3 products are used only by trained technicians and do not require review.

## INTERNATIONAL REGULATORY UPDATES

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**VIETNAM: TEST REPORT REQUIREMENT** On March 24, 2009, Vietnam's Ministry of Information and Communication, MiC, released its Circular 06/2009/TT-BTTTT, stating that foreign test reports would only be accepted for the purpose of type approval if they were issued by accredited laboratories and were no more than two years old. Furthermore, new type approvals issued by MiC would be valid for three years. There has been little impact on the initial type approval application process as most applicants already have valid test reports from MiC-recognized laboratories and thus local testing can still be avoided. However, MiC has recently begun enforcing the requirement that test reports are to be no more than two years old and this is impacting applications to renew type approval certificates. For renewal applications, test reports must be reissued or products will be subject to local test requirements.

**MEXICO - NEW NOM-121 STANDARD (IN-COUNTRY TEST REQUIREMENT)** In June 2010, changes to Mexico's approval process are expected to come into effect. These changes include mandatory in-country testing for RF Type Approvals. FCC reports will no longer be acceptable for the purpose of COFETEL Type Approval. The updated regulation (NOM-121) is scheduled to be published this month, with the expectation that the in-country test requirement will come become effective in June/July 2010. Confirmation of the affected product types will be provided upon publication of the updated NOM-121.

**INDONESIA - NEW 802.11a REGULATIONS** Regulations are now being drafted to permit the use of 802.11a technology in Indonesia. It is expected that this technology will be permitted within the next couple of months



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Rhein Tech Laboratories' worldwide homologation services offer the best strategy for gaining product approval in a large number of target countries. In addition, we reduce the number of emissions, immunity, and product safety tests required by defining the minimum subset of regulatory standards at the onset, thus reducing the time and cost to enter multiple target countries. We offer research and approvals in over 50 countries.

## **ABOUT US**

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RTL has provided EMC compliance engineering & testing services since 1988 and has a superior reputation with both the Federal Communications Commission and others in the industry. RTL provides testing services to meet the emissions, immunity, and safety requirements of the European EMC Directive and the EU R&TTE Directive, all FCC rules and regulations, VCCI (Japan), ACMA (Australia), and other international standards.

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