



January 2010

## 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.**

### 2.4 GHz in Chile

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**QUESTION:** We recently started manufacturing a wireless product that utilizes 2.4 GHz and we would like to market it in Chile. Are there any restrictions on power output?

**ANSWER:** Yes, the Chilean regulation for the certification of short-range radio devices is Resolution 755, 2005, modified by Res. 840, 2007, and by Res. 666, 2008. It states that in Chile the maximum power output for your product indoors would be 150mW.

### Importing Quantities of Product into Mexico

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**QUESTION:** We want to import our product to Mexico but we think we will only sell 10 or 11 units total as we have a very specialized client base. The costs for certification of a product line seem high for what we may get in return. Is there a way to import the product without going through the normal approval process?

**ANSWER:** The good news is there is a way this can be accomplished. If your product can be classified as a highly specialized piece of equipment then you may obtain a Dictamen instead of a normal certificate. The Dictamen is only good for a single importation of less than 25 units. Should you decide later you want to import more, then you would need to apply for another Dictamen. However, if you see these intermittent importations continuing over the long term you may just want to get full product certification.

### Uruguay - Approval Requirements

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**QUESTION:** Our company produces a fax machine which has both a standard telephone connection and wireless capabilities for users who wish to share it over the network. We are now trying to get it approved in Latin America and there is some confusion with regard to Uruguay. We are unsure whether to have this product certified with ANTEL or URSEC. From which agency do we need approval?

**ANSWER:** The answer is both. ANTEL handles certification of all telecommunication products that connect to the public telephone network. URSEC handles certification of RF emitting devices. Since your fax machine contains a wireless component it will need to be certified by URSEC. The rest of the fax machine will need to be certified by ANTEL.

## Latin America - Product Demand

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**QUESTION:** Since the global economy has hit a slump, we are targeting new areas to sell our product in order to gain new consumers. We've just started to look at Latin America. Is there any particular country showing any growth at this time?

**ANSWER:** If you are in the telecom sector, Mexico may be the best place to consider. According to Business News Americas' 2010 Telecom Sector Outlook, the telecom sector in Mexico was still averaging over 10% quarterly growth. The continued adoption of broadband as well as the expansion and transition of data services to mobile platforms looks to increase this growth in 2010.

## 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.

## China - Factory Inspection

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**Question:** Can a manufacturer with existing ISO9001 certification avoid factory inspection requirements for China's Compulsory Product Certification?

**Answer:** No. Factory inspection for Compulsory Product Certification has some quality system requirements but also has additional specific requirements for production process control, inspection, and product verification. For those manufacturers with existing ISO9001 certification issued by the certification body authorized by CNCA, the inspection of their quality system may be reduced.

## China - Cost for Certification

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**QUESTION:** We would like to have our product certified for China and we are having some difficulties determining the actual cost. The Chinese certification body won't provide us with a firm quotation for the testing fee. Can you let us know if this is a standard practice in China?

**ANSWER:** Yes, this is a standard practice. Since the testing requirement is different for each submitted product, the certification body can provide the confirmed cost only after the testing is completed.

## China - Devices Subject to NAL Approval

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**QUESTION:** What types of products are subject to Network Access License (NAL) Approval?

**ANSWER:** The main types of products subject to NAL Approval are:

- Telecom terminal equipment - a device connected to the end of PSTN for serving the function of sending and receiving information
- Radio Communications Equipment - a type of telecom equipment that connects to PSTN, using radio as the means of communications
- Inter-network connecting equipment - a type of telecom equipment connecting the networks of different telecom service providers or different service networks

## China - NAL and CCC

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**QUESTION:** Our company manufactures a product considered to be telecommunication and terminal equipment. Do we need to apply for Network Access License in addition to CCC Certification for our product?

**ANSWER:** Yes, but no duplicate testing is required. If the equipment concurrently falls into the scopes of NAL and CCC, the equipment is required to get NAL Approval and CCC Mark before you may sell it in China.



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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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