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| logitu.psd | **Capacity building program for Conformance and Interoperability****for ARB Region, Tunis 2-6 April 2013** | logolab.psd |

**Theory and practical EMC and Radio training**

**Who should attend this training:** regulators, administrations, test laboratories, compliance bodies

**Entry requirements:** Initiated to EMC theory

**Description of the course:**

Theory EMC directive and measurements

* New approach directives
* The EMC phenomena
* The EMC harmonized standards
* The EMC instrumentation and measures
* Case study for conformity document analysis
* Quality requirements for test laboratories and uncertainty measurement

Practical EMC measurements

* Reminder about EMC theory
* Overview of EMC instrumentation
* Emission tests in laboratory
* Immunity tests in laboratory

Regulatory requirements and practical Radio measurements

* Regulatory requirements for radio equipment: the R&TTE directive
* Essential requirements of the R&TTE directive
* Theory Radio measurements
* Practical Radio measurements

**Proposed period for the course:** 2 April – 6 April 2013

**Expected Results:**

- Capacity to analyze conformity document

- Be aware of what is required to prove compliance of a product

- knowledge about new approach directives

- Theoretical and practical basis for EMC measures and directive

- knowledge about ITU recommendations

- Master the Radio frequency instrumentation

- Understand the procedures for assessing the conformity of equipment incorporating radio modules

- Understand the essential requirements of R&TTE directive (Safety, Health, EMC, Spectrum management)

- Theoretical and practical basis for radio measures