



Capacity building program for Conformance and interoperability for AFR Region,  
Tunis, 28 October–1<sup>st</sup> November 2013



## 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:** 28 October-1<sup>st</sup> November 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