Conformity and Interoperability Training for Africa Region on Type Approval testing for Mobile Terminals, Homologation Procedures and Market Surveillance

Tunis-Tunisia, 14-18 December 2015

Programme

Part I – Procedures on Conformity Assessment and Interoperability Regimes (14-15 December 2015, 2 days in the class)

- ITU C&I Programme: the 4 Pillars, status of the Action Plan implementation;
- Key activities and main ITU outcomes which are related to the implementation of ITU C&I Programme (Pillar 1 and 2)
    - Living lists of key technologies/Recs. which are suitable for C&I
    - Pilot projects on C&I
    - Testing events
    - New ITU-T test specifications (IMS-NNI, NGN-UNI, etc.)
    - Collaboration strategy on C&I activities between interested parties and ITU
- ITU Guidelines and Feasibility Studies
- Procedures to establish C&I Regimes (Pillar 3 and 4):
    - Definitions and conformity assessment schemes: certification, declaration of conformity, etc.;
    - Telecommunications Act provisions: placing products in the market; institutions rights and responsibilities;
    - Query for new products acceptance;
    - Issuing and validating a Certificate of Conformity and homologation;
        - Practical example of a complete query for mobile;
    - Import procedures for testing proposals;
    - Real examples of Conformity Assessment workflow from the international experience;
    - Defining a list of ICT equipment and reference standards for conformity assessment;
    - Harmonized technical requirements in a region or sub-region;
    - Recognizing certification bodies, laboratories and test reports;
    - Mutual Recognition Agreements benefits;
    - Enforcement and market surveillance.
- Participant's presentations on the Conformity Assessment of ICT products of their respective countries. (Procedures on certification, declaration of conformity, etc.)

Part II – Type Approval Testing for Mobile Terminals (16-18 December 2015, 3 days in the laboratory): The participants will follow testing sessions prepared and executed at the Mobile test lab in order to familiarize with the practical aspects related to the tests

- Overview on IMT technology and standards;
    - EMC requirements;
    - Electromagnetic Field measurements : Protocols and Procedures
- Embedded technologies on mobiles: GSM, IMT, Wi-Fi, Bluetooth, etc.;
- SAR measurements;
- Safety requirements;
- Instruments and devices for testing and measurement;
- Equipment Under Test (EUT) configuration;
- Test uncertainty;
- Aspects regarding accreditation of Labs according 17025;
- Quality of service assessment on current mobile networks.