Conformity and Interoperability Training for AMS Region on

Market Surveillance, Type Approval Testing for Mobile Terminals and NGN interoperability aspects

Campinas, 2015 (8-12 June)

Programme

Part I – Procedures on Conformity and Interoperability Regimes (1 day)

- **ITU** C&I Programme: the 4 Pillars, status of the Action Plan implementation;
- **ITU** Guidelines on C&I and the Feasibility Study for a Conformance Testing Center
- C&I Regimes – Market Surveillance:
  - Definitions and conformity assessment schemes;
  - Telecommunications Act provisions: placing products in the market; institutions rights and responsibilities;
  - Query for type approval of ICT products;
  - Assessing the conformity: practical example of a complete query for mobile;
  - Enforcement and market surveillance.
  - 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;
- Participant's presentations on the Conformity Assessment of ICT products of their respective **countries**. (Procedures on certification, declaration of conformity, etc.)

Part II – Conformance and Interoperability Testing (4 days including On-the-job testing sessions)

- **Testing Laboratories– General Aspects**
  - Lab accreditation according to ISO/IEC 17025;
  - Test uncertainty;
  - Calibration.
- **Type Approval Testing for Mobile Terminals**
  - Overview on IMT technology and standards;
  - EMC requirements and measurements;
  - Embedded technologies on mobiles: GSM, IMT, Wi-Fi, Bluetooth, etc.;
  - SAR measurements;
  - Safety requirements;
  - Instrumentation;
  - Equipment Under Test (EUT) configuration.
- **Next-generation Networks (NGN) integration testing – interoperability aspects**
  - Overview on NGN principles: ITU-T Q.3909 and ITU-D Q26/2 Report;
  - NGN architecture and technologies;
  - Migration from existing networks to NGN networks;
  - NGN interoperability aspects;
  - Protocols: SIP/H.248/Sigtran/ IMS/ Quality (PESQ)
  - Network elements and tests – *soft switch*
  - Instrumentation;
  - Equipment Under Test (EUT) configuration.