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:
  o Definitions and conformity assessment schemes;
  o Telecommunications Act provisions: placing products in the market; institutions rights and responsibilities;
  o Query for type approval of ICT products;
  o Assessing the conformity: practical example of a complete query for mobile;
  o Enforcement and market surveillance.
  o Import procedures for testing proposals;
  o Real examples of Conformity Assessment workflow from the international experience;
  o Defining a list of ICT equipment and reference standards for conformity assessment;
  o Harmonized technical requirements in a region or sub-region;
  o Recognizing certification bodies, laboratories and test reports;
  o 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
  o Lab accreditation according to ISO/IEC 17025;
  o Test uncertainty;
  o Calibration.
• Type Approval Testing for Mobile Terminals
  o Overview on IMT technology and standards;
  o EMC requirements and measurements;
  o Embedded technologies on mobiles: GSM, IMT, Wi-Fi, Bluetooth, etc.;
  o SAR measurements;
  o Safety requirements;
  o Instrumentation;
  o Equipment Under Test (EUT) configuration.
• Next-generation Networks (NGN) integration testing – interoperability aspects
  o Overview on NGN principles: ITU-T Q.3909 and ITU-D Q26/2 Report;
  o NGN architecture and technologies;
  o Migration from existing networks to NGN networks;
  o NGN interoperability aspects;
  o Protocols: SIP/H.248/Sigtran/ IMS/ Quality (PESQ)
  o Network elements and tests – soft switch
  o Instrumentation;
  o Equipment Under Test (EUT) configuration.