
	<p>Conformity and Interoperability</p> <p>Workshop on the C&I Assessment Study for South America</p> <p>Training for AMS Region</p> <p>C&I Infrastructure and Virtual Laboratory Services</p> <p>Campinas/Brazil, 03 – 07 July 2017</p>	
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Annex 1 - Programme

(03-04/July) Workshop on the C&I Assessment study for South America: establishment of infrastructure, collaboration and regional integration

The Workshop aims to present the results of the Conformity and Interoperability Assessment Study in South America conducted during the period March – June 2017 and to create proposals on ways forward to improve the C&I status in the region. The study is part of a broader objective of and the ITU mandate to assist developing countries in capacity building to perform context-appropriate conformance testing of equipment and systems in accordance with relevant Recommendations. More details on these objectives are provided in the website https://www.itu.int/en/ITU-D/Technology/Pages/CI_AssessmentStudyRegional.aspx, which includes the Terms of Reference (TOR) of relevant studies.

- ITU C&I Programme
 - The 4 Pillars, status of the Action Plan implementation
- Conformity and Interoperability Aspects
 - C&I Regimes
 - Enforcement and market surveillance
 - Laboratories establishment and testing centers
 - Collaboration and sharing of C&I resources
 - Innovative approaches (e.g. Virtual Laboratories, regional certification body)
 - Summary Report on the current Conformity Assessment for ICT equipment
- Assessment Results in South America
 - Share of infrastructure
 - Collaboration benefits
- Discussions on the Ways Forward

(5-7/July) Training for AMS Region C&I Infrastructure and Virtual Laboratory Services

Participants will attend testing sessions prepared and visit at testing laboratories. The C&I Training will provide concepts and practical experience, providing hands-on exercises on real testing laboratories. The testing domains covered are type approval of mobile terminal and interoperability testing for NGN provisional. A virtual testing will be demonstrated in one of the labs showing how a remote testing of services can be conducted for conformance and interoperability.

- **Virtual Laboratory Concepts and Framework**
 - Concepts
 - Framework
 - Kind of services
 - Requirements

- Note: Participants will attend theoretical classes prepared and visit the testing laboratories. The practical demonstration about Virtual Laboratory Concepts and Framework will occur during the presentation about SAR measurements
- **Laboratory service examples**
 - Testing Laboratories – General Aspects (Overview)
 - Lab accreditation according to ISO/IEC 17025;
 - Test uncertainty;
 - Calibration.
 - Type Approval of ICT products
 - Testing for ICT products (ex.: Mobile Terminals)
 - Overview on IMT technology and standards;
 - SAR measurements:
Virtual Laboratory service examples: Demonstration using camera for remote transmission. Test transmission (test environment) plus computer screen transmission (measurement and results)
 - Instrumentation and devices for testing and measurement;
 - Equipment Under Test (EUT) configuration.
 - Visit to the test lab (SAR Lab).
 - EMC requirements and measurements:
 - Instrumentation and devices for testing and measurement;
 - Equipment Under Test (EUT) configuration.
 - Visit to the test lab (EMC Labs).
 - Safety requirements and measurements:
 - Instrumentation and devices for testing and measurement;
 - Equipment Under Test (EUT) configuration.
 - Visit to the test lab (Safety Lab).
 - Embedded technologies on mobiles: IMT, Wi-Fi, Bluetooth, etc.;
 - Instrumentation and devices for testing and measurement;
 - Equipment Under Test (EUT) configuration.
 - Visit to the test lab (Radiolab Lab).
 - Next-generation Networks (NGN) integration and interoperability testing aspects
 - Overview on NGN principles
 - NGN architecture and technologies;
 - Migration from existing networks to NGN networks;
 - NGN interoperability aspects (protocols);

- *Instrumentation and devices for testing and measurement:*
 - Equipment Under Test (EUT) configuration.
 - Visit to the test lab (LCT Lab).