ITU Forum on Conformance and Interoperability Testing in CIS and Europe Regions, Moscow (Russia), 9-11 November 2011

Final Draft Program

What is conformance and interoperability testing, and why is it important?

Conformance testing measures how accurately a product implements a technical specification. The degree of compliance helps vendors and users of the equipment to evaluate how the equipment will perform in the network where it will integrate with other network devices to provide an offered network service. Interoperability testing measures if two or more products correctly implement the technical specifications necessary to ensure successful integration supporting particular communication protocols. Conformance and interoperability testing is important to identify the non-compliance aspects of the equipment being tested, as defined by accepted standards in the industry, that may interfere in the quality of the network service being provided. High quality performing products available for commercial use will accelerate widespread deployment of the network technologies and their associated network services.

For service providers, conformance and interoperability testing is necessary to reduce the probability of errors being introduced during the network integration period, which can impact commercial deployment schedules. Besides the financial costs associated with the resources required to support an extended deployment schedule, other costs may manifest in lost market share or of customers experiencing the impact of poorly tested services.

Many service providers will require proof of compliance before accepting a product into its network. By taking a proactive approach, equipment manufacturers have the opportunity to any correct non-compliances, and improve the marketability of the product.

Day 1, 9 November 2011

Registration: 9:00

9:30 – 10:00 - Opening Session

- Welcoming address from Mass communications and telecommunication administration of the Russian Federation
- Welcoming address from ITU: **Mr. Yury Grin, Deputy Director, ITU-BDT**

Coffee Break: 10:00 – 10:30

10:30 – 12:30 - Session 1: ITU Activities on Conformance and Interoperability

S1-1   The ITU Conformity and Interoperability Programme, Part1 - Paolo Rosa (ITU), Part 2 - Riccardo Passerini (ITU)

S1-2   Conformity assessment schemes and interoperability testing. Why assess conformity?. The benefits and principles of conformity assessment and interoperability testing, **Keith Mainwaring (ITU Consultant)**

S1-3   ITU-T Recommendations Cup on Global Interoperability Testing from SG11 WP4, **Andrey Koucheryavy (SG11 WP4 Chairmen, Giprosvyaz, Russia)**

12:30 -14:00 Lunch

14:00 - 17:30 - Session 2: Global Approaches of Testing
(Coffee Break 15:30 - 16:00)

S2-1   Validation of protocol specifications using the ETSI approach, **Peter Schmitting (FSCOM, ETSI Specialist Task Force leader)**

S2-2   Achieving Interoperable Standards, **Martin Brand (WP 4/11 Vice-chairman, A1 Telekom, Austria)**

S2-3   Handbook on NGN testing on Model Network, **Janusz Pieczerak (Rapporteur of Q.6/11, Orange, Poland)**

S2-4   Handbook on Network performance testing and control for guarantee required QoS for NGN services, **Denis Andreev (Rapporteur of Q.10/11 & Q.11/11, ZNIIS, Moscow)**

S2-5   International interoperability, **Martin Brand (WP 4/11 Vice-chairman, A1 Telekom, Austria)**

S2-6   Ubiquitous Networking: from Interoperability testing to Connectivity testing. **Andrey Koucheryavy(SG11 WP4 Chairmen, Giprosvyaz, Russia**)

Day 2, 10 November 2011

9:00 – 12:30 - Session 3: Building Testing Labs

(Coffee Break 10:30 – 11:00)

S3-1   Considerations in building Type Approval and Interoperability Test Labs and areas of operation, **William McCrum (ITU Consultant)**

S3-2   Maintaining Electronic Communications Equipment Standards: Need for Type Approval Laboratory, **Dr. Roman Kuznar (Director/Sintesio Foundation)**

S3-3   Needs and Opportunities for establishment of type approval test labs and role of MRAs, **William McCrum (ITU Consultant)**

S3-4   Criteria and characteristics to establish accredited Bodies/Labs in the Regions for Type Approval/Homologation based on rules and recommendations, and also best practices (e.g. ISO/IEC/CASCO toolbox, guides and standards such as ISO/IEC 17011 and 17025) (*Requirements for ISO/IEC 17025 compliant testing laboratories),* **Andrew Kwan (ITU Consultant)**

S3-5   Role of International telecommunication testing centers (ITTC). Approach of Testing Labs creation. Purposes, tasks and facilities of Testing Labs, **Denis Andreev (ZNIIS, Moscow)**

12:30 – 14:00 Lunch

14:00 – 17:00 - Session 3: Building Testing Labs (cont)

(Coffee Break 15:00 – 15:30)

S3-7   Conformity assessment schemes and interoperability testing, **Keith Mainwaring (ITU Consultant)**

S3-8   Technical and economical steps to be followed to build Testing Labs according to the identified criteria and characteristics outlined in ISO/IEC 17025 *(Basic Steps to establish an ISO/IEC 17025 compliant testing laboratory),* **Andrew Kwan (ITU Consultant)**

S3-9   The ILAC, IAF and accreditation bodies, MRAs (Mutual Recognition Agreements) reference documents, framework and procedures for mutual recognition of conformity assessment of telecommunication equipment and systems, **Andrew Kwan (ITU Consultant)**

S3-10	Status, responsibilities and coordination mechanism of national and international bodies responsible for accreditation of Testing Labs. Telecommunication training and funding organizations *(Accreditation bodies)*, **William McCrum and Andrew Kwan (ITU Consultants)**

Day 3, 11 November 2011

9:00 - 12:00 - Session 4: Testing Experience in the Regions

(Coffee Break 10:00 – 10:30)

S4-1	Testing experience of Austria, **Martin Brand (WP 4/11 Vice-chairman, A1 Telekom, Austria)**
S4-2	Poland testing experience, **Pieczerak Janusz (Rapporteur of Q.6/11, Orange, Poland)**
S4-3	Testing experience of ITTC for CIS Region, **Denis Andreev (Rapporteur of Q.10/11 & Q.11/11, ZNIIS, Moscow)**

Lunch 12:00 – 14:00

14:00 - 15:30 - Session 5: Sharing Testing experience

S5-1	The ITU Conformity Database. Analysis of ITU Recommendations suitable to conformance testing. The role of the ITU-T Study Groups and the ITU-T conformity Database, **Keith Mainwaring (ITU Consultant)**
S5-2	ITTC Knowledge Database and Social network of experts, **Denis Andreev (Rapporteur of Q.10/11 & Q.11/11, ZNIIS, Moscow)**

Coffee Break 15:30 – 16:00

16:00 – 17:00 - Round Table

Final/Closing Session: steps to be undertaken to facilitate the creation of regional test labs and to create capacity building opportunities at a regional level. Establishment of further actions economical, technical and regional presence.

Participants: Panelists

Chaired by Riccardo Passerini (ITU), Andrey Koucheryavy (SG11 WP4 Chairmen, Giprosvyaz, Russia), Denis Andreev (Rapporteur of Q.10/11 & Q.11/11, ZNIIS, Moscow), Paolo Rosa (ITU)

17:00 – 17:15 hours	Closing Ceremony

- Closing remarks: ITU
- Closing remarks: Host Country

For electronic version of presentations and other information on this seminar:
http://www.itu.int/ITU-D/tech/events/index.html