



**Telecommunication  
Development Bureau (BDT)**

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To:

- Administrations of Member States of the Union;
- ITU-D Sector Members and Associates;
- Regional Organizations

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

Dear Sir / Madam,

I have the pleasure to inform you that the International Telecommunication Union (ITU), in collaboration with Russian Federation Communication Administration and Federal State Unitary Enterprise «Central Science Research Telecommunication Institute» (FSUE ZNIIS), is organizing the **ITU Forum on Conformance and Interoperability Testing in CIS and Europe Regions**, which will take place in **Moscow (Russia), from 9 to 11 November 2011**.

The Forum will cover various conformity and interoperability aspects including tasks and priorities to be fulfilled for interoperability realization, efforts to be taken in the international standardization field for better interoperability between various providers/manufacturers, accreditation of laboratories, Agreements on mutual recognition of quality certificates and the testing experience as for system and network solutions, services and parameters of network functioning for ensuring the required quality of service (QoS). Many leading international experts will be invited to speak at the Forum

Discussions will be held in Russian and English. Simultaneous interpretation will be provided.

Please note that there is no participation fee for this Forum. Travel arrangements and accommodation should be made and borne by the participating entity. However, a full fellowship, covering the cost of travel, accommodation and miscellaneous expenses in Moscow, will be granted to one participant per eligible country (low-income countries) at the request of the administrations. The last date for fellowship application is **21 October 2011**.

The draft program as well as the registration form are attached (Annexes 1 and 2). More information including updated program, registration and hotel booking forms, fellowships request form, visa support and participants' information is available on the ITU website at:

<http://www.itu.int/ITU-D/tech/events/index.html>.

Participants are invited to download and print the documents needed for the event. We encourage the participants to kindly confirm their participation by **28 October 2011** at the latest.

For further information, or should you require any clarification, please contact the Seminar Coordinator Ms. Olga Ivanova, JSC «Expotelecom», Tel/Fax: (+7495) 692-1316, e-mail: [ivanova@expo-telecom.ru](mailto:ivanova@expo-telecom.ru). You can also contact the ITU Area Office in Moscow.

Yours faithfully,

[Original signed]

Brahima Sanou  
Director

Attachments:

1. Draft program
2. Registration form



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

**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: **to be decided**

**Coffee Break: 10:00 – 10:30**

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

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|------|---|
| S1-1 | Conformity assessment schemes and interoperability testing. Why assess conformity?. The benefits and principles of conformity assessment and interoperability testing, <b>Keith Mainwaring (ITU Consultant)</b> |
| S1-2 | Resolution 47 WTDC-10, BDT Programme 1, <b>Riccardo Passerini (ITU)</b>   |
| S1-3 | ITU Conformity and Interoperability Programme, <b>William McCrum (ITU Consultant)</b>   |

S1-4 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 - 17:00 - Session 2: Global Approaches of Testing  
(Coffee Break 15:30 - 16:00)**

- S2-1 Achieving Interoperable Standards, **Martin Brand (WP 4/11 Vice-chairman, A1 Telekom, Austria)**
- S2-2 Handbook on NGN testing on MN, **Pieczerek Janusz (Rapporteur of Q.6/11, Orange, Poland)**
- S2-3 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)**
- S2-4 International interoperability, **Martin Brand (WP 4/11 Vice-chairman, A1 Telekom, Austria)**
- S2-5 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/Sintesis Foundation)**
- S3-3 UNIDO activities in the Region and SMTQ (Standards, Metrology, Testing and Quality), **Francis Bartels and Victor Mills (UNIDO)**
- S3-4 Needs and Opportunities for establishment of type approval test labs and role of MRAs, **William McCrum (ITU Consultant)**
- S3-5 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)**
- S3-6 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 – 18:00 - Session 3: Building Testing Labs (cont)**

**(Coffee Break 15:30 – 16:00)**

- 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)**
- S3-11 Enabling technologies for Internet of Things, **Yevgeni Koucheryavy (Tampere University of Technology, Finland)**
- S3-12 Vendors presentations

### Day 3, 11 November 2011

#### 9:00 - 12:30 - Session 4: Testing Experience in the Regions

(Coffee Break 10:30 – 11:00)

- S4-1 Experience of Moldova, **(Moldova)**
- S4-2 Experience of Belorussia, **(Belorussia)**
- S4-3 Testing experience of Austria, **Martin Brand (WP 4/11 Vice-chairman, A1 Telekom, Austria)**
- S4-4 Poland testing experience, **Pieczerak Janusz (Rapporteur of Q.6/11, Orange, Poland)**
- S4-5 Testing experience of ITTC for CIS Region, **Denis Andreev (Rapporteur of Q.10/11 & Q.11/11, ZNIIS, Moscow)**

**Lunch 12:30 – 14:00**

#### 14:00 - 16:00 - 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)**
- S5-3 Strategy Recommendations on Networking and Telecommunications for Cloud Computing and Service Platforms, **Yevgeni Koucheryavy (Tampere University of Technology, Finland)**

**Coffee Break 16:00 – 16:30**

#### 16:30 – 17:30 - 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.

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

For electronic version of presentations and other information on this seminar:

<http://www.itu.int/ITU-D/tech/events/index.html>.