

**Workshop on NGN Conformance and
Interoperability Testing Centre(s)**

2-4 August, 2010 Nairobi, Kenya



**World Telecommunication
Development Conference 2010**

24 May to 4 June 2010, Hyderabad, India

**Programme 1
Resolution 47**

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**PROGRAMME 1: Programme on information
and communication infrastructure
and technology development**



Purpose

- The objective of this programme is to assist ITU Member States and ITU-D Sector Members and Associates to maximize the utilization of appropriate new technologies for the development of their information and communication infrastructures and services, by taking due account of broadband deployment, transition from analogue to digital broadcasting, traffic and demand forecasting, spectrum management and radio monitoring, [interconnectivity](#), [interoperability](#), network management, security, and quality of service standards for wired and wireless networks, including mobile telecommunications, next-generation networks, rural and satellite telecommunications and the accelerated convergence of the telecommunication networks and services.
- Particular attention will be given to [capacity building in the development and use of ICT networks through training activities and sharing of information and know-how](#), as well as to developing and making openly available relevant guidelines, manuals and case studies



PROGRAMME 1: Priority areas

- **Spectrum management and radio monitoring**
- **Broadcasting**
- **Next-generation networks**
- **Mobile communications (2G, 3G, 4G, etc.)**
- **Broadband networks**
- **Rural communications**
- **Outside plant**



PROGRAMME 1: Deliverables and means

- Creation of tools and guidelines
- Creation of **training material and delivery of training**
- Direct assistance to members (Clause 4.3.10: provide assistance on network management, **interconnectivity, interoperability and quality of service standards** and alternative routing systems, for wired and wireless networks)
- Implementation Res.47



RESOLUTION 47 (REV. HYDERABAD, 2010)

Enhancement of knowledge and effective application of ITU Recommendations in developing countries, including conformance and interoperability testing of systems manufactured on the basis of ITU Recommendations

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instructs the Director of the Telecommunication Development Bureau, in close collaboration with the Directors of the Telecommunication Standardization Bureau and the Radiocommunication Bureau

- *1 to encourage the participation of developing countries in training courses and workshops organized by ITU-D so as to introduce best practices in the application of ITU-R and ITU-T Recommendations, for example by providing fellowships;*
- *2 to assist developing countries in building their capacity, in collaboration with ITU-T, so as to be able to perform conformance testing of equipment and systems, relevant to their needs, in accordance with the relevant Recommendations;*
- *3 to assist the Director of TSB, and in collaboration with the Director of BR, and as appropriate, with equipment and systems manufacturers, internationally and regionally recognized standards development organizations, in conducting conformance assessment and interoperability testing events, preferably in the developing countries, and encouraging developing countries to attend these events; and to collaborate with the Director of TSB to build capacity of the developing countries to effectively participate and be involved in these events, and to provide views of developing countries on this issue following a questionnaire addressed by Programme 1 to the ITU members;*

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- 4 to coordinate and facilitate participation of specialists from developing countries in the work of international or regional test laboratories of organizations or entities specialized in conformance assessment and interoperability testing, in order to gain on-the-job experience;
- 5 to collaborate with the Director of TSB in order to implement the recommended actions on Resolution 76 (Johannesburg, 2008) as endorsed by the ITU Council in 2009;

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- 6 to assign to Programme 1 the responsibility for following up implementation of this resolution, to conduct a field study on the economic feasibility of and need for creating regional laboratories in areas which may need them (the Africa region, the Arab region and the RCC, the Americas region and the Asia and Pacific region) for conformance and interoperability testing of manufactured systems in relation to ITU-R and ITU-T Recommendations, and to report to Council on the results of this field study;
- 7 to submit a periodic report to the Telecommunication Development Advisory Group on the implementation of this resolution as well as a report to the next WTDC in 2014 on implementation of this resolution, which shall also contain lessons learned with a view to updating the resolution for the phase after 2014.

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In collaboration with TSB

First Step:

Prepare the Questionnaire. Content of the Questionnaire: feedback from the workshop 2-4 August 2010

Second Step:

Define the framework of the Field study on the economic feasibility of and need for creating regional laboratories in areas which may need them (the Africa region, the Arab region and the RCC, the Americas region and the Asia and Pacific region) for conformance and interoperability testing of manufactured systems in relation to ITU-R and ITU-T Recommendations, and to report to Council on the results of this field study;

Third Step

Identify partners for conducting the Field Study and Training Activities Region by Region.