

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

2-4 August, 2010 Nairobi, Kenya



**World Telecommunication
Development Conference**

**Creation of an International
Testing Centre for CIS countries**

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WTDC-06 Doha



- **Regional Initiative for CIS Countries**

**Creation of international centres for the
implementation and testing of new technologies**

Objectives

To test telecommunication equipment and services;
harmonize methods for the provision of new services
within a region; harmonize the introduction in one or more
regions of telecommunication standards issued by different
international organizations; resolve system/network issues
associated with the modernization of communication
networks, taking account of previous communication
network development experience within a given region.

WTDC-06 Doha



- Regional Initiative for CIS Countries

Creation of international centres for the implementation and testing of new technologies

Expected results

Creation of model networks and a knowledge base on the testing of modern equipment and services; provision of access to the knowledge base and model networks to interested telecommunication administrations and operators;

Creation of a knowledge base on the standards issued by different international organizations and of recommendations for their application, with a view to achieving the uniform (harmonized) introduction of standards within the region;

International Telecommunication Testing Centre



Project Objectives

An International Telecommunication Testing Centre (ITTC) will be established to test new telecommunication equipment and services as well as train specialists from developing countries.

Expected Outputs

The project will have the following outputs

- an International Telecommunication Testing Centre (ITTC) will be established with adequate space for classrooms, laboratories, conference hall, administration and management and etc.;
- a model network for practical NGN testing and for lab exercises during training;
- access to the knowledge base of NGN tests results;
- training programs and training material.

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The following 4 sub-centres will be established at the ITTC:

- System-network testing sub-centre;
- Conformance testing sub-centre;
- Quality testing sub-centre;
- Knowledge sub-centre.

All sub-centres will be mutually interconnected and united by the knowledge database, which in turn will contain model network tests results, standards and technical documentation, telecommunication books and articles on issues dealt with at International Testing Centre.

International Telecommunication Testing Centre



A model network will be constructed at the Centre in accordance with the ITU-T Recommendation Q.3900 and will be used for testing and during training.

Testing strategies will be designed for various NGN equipment from multiple vendors based on the related ITU-T Recommendations simulating different network parameter. Test specifications will also be to:

- examine new telecommunication equipment and services;
- harmonize methods for the provision of new services;
- resolve system/network issues associated with the modernization of communication networks, taking into account previous communication network development experience.

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The results from tests conducted through the model network at the ITTC will be documented in periodic reports and stored in a knowledge base. These results will also be shared through the website and at different seminars, practical training sessions and ITU-T/ITU-D joint workshops on construction, regulatory issues and results of NGN testing.

Within the framework of the project, specialists training will be organized for candidates from operators and regulatory authorities in developing countries. The training will also include hands-on laboratories exercises on NGN development and testing.