

ITU-D/ITU-T Seminar on Standardization and Development of Next Generation Networks

Abstract

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Speaker:

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Title of Presentation:

The Methodology for NGN Technical Means Testing (Q.3900 and Resolution 17 of WTDC’06)

Interoperability testing of NGN technical means and solutions that are built on their basis is very relevant under the developing of the NGN standards and appearing of wide spectrum of new telecommunication technologies.

At present the main standardization organizations such as ETSI and ITU are developing the normative base which will be used on NGN technical means testing (signalling protocols, functionality etc.). Though, an existing normative base does not give the opportunity to imply a complete test to define the compatibility&interoperability technical means of different vendors and as the result the coefficient of efficiency of the NGN network on the whole.

In the report the basic questions, concerning approaches, principles and methodology of NGN technical means testing, including classification NGN technical means under test and formalization of testing methods, basic architecture of model networks and ITU-T standardization results (Rec. ITU-T Q.3900) are observed.

Also in the report, in accordance with the resolution 17 Rev.Doha 2006, will be presented the structure and basic facilities of international testing center as the practice implementation of NGN testing methodology based on the model networks.