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Session	2 (<i>under Conformance Testing on the Model Networks</i>)
Title of Presentation:	Exist standardization activity SG11 ITU-T on testing. Global approach for Conformance and Interoperability Testing on the Model Networks

The intensive progress of NGN equipment and software and the lack of uniform principles and mechanisms for deployment of NGN networks to require develop a uniform approach for implementation NGN technologies on the exist operators networks.

This problematic take a mirror on the ITU activities which is presented in Resolution WTSA-08 76 "Global interoperability" and Resolution WTDC-10 47 "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".

Over the past seven years, the ITU conduct the serious work to detect of testing approaches and testing methodologies. In additional, in accordance with the decision of the WTSA-04 was opened the Q.8/11 «Specification testing of signaling protocols NGN». Under this question ITU-T series recommendations Q.3900 — Q.3904 were developed and approved by ZNIIS experts (Central Research Telecommunication Institute). Further ZNIIS cooperation with key partners from South Korea, Austria, Poland and Japan to allow prepare on the present ITU-T study period some new draft 12 recommendations which will provide new ideas on testing actually technologies (including: USN, M2M, QoS, Services and etc.).

In current time a research area in testing part has expanded considerably, according to the WTSA-08 to cover following questions: QoS (Q.10/11), monitoring systems (Q.9/11), service testing (Q.11/11) and USN testing (Q.12/11).

After analysis of existing operators experience, ITU experts came to the idea to create the special separate infrastructure Model network — as a basic tool for interoperability and conformance testing. This approach provides a possibility to design and simulate various scenarios of interaction of different equipment without using the existing Service Provider's infrastructure. This approach is reflected in the acting ITU-T recommendation Q.3900.

This report will be include an overview of general approach for NGN testing, the common ITU-T Recommendations on testing, the typical Model network architecture and basic test specifications which is applied on the Model networks.
