

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

## Abstract

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**Speaker:**

Mr. Denis Andreev

Head of department "Information technologies and applications in telecommunication networks" ZNIIS Russian Federation

**Title of Presentation:**

General principles of NGN monitoring systems

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Development of service provider networks under concept NGN now accepts mass effect. Frequently networks development aside NGN begins with the modernization of existing provider CS network and accordingly using the PES platforms. For an estimation of network parameters the provider should use various monitoring systems at all stages of NGN evolution from CS with SS7 signaling to IP signaling (SIP, H.248, MGCP and etc.).

In this case provider have to use the NGN monitoring system is an extension of Q.752 based monitoring system. The controlled parameters could be take by the standalone independent systems or certificated technical means as a part of NGN equipment. All data received should be used in OSS and it will allow raising effectiveness of NGN work as a whole.

Construction of model networks for NGN testing, in accordance with the approach defined in Q.3900, has found reflection in the new draft of recommendation Q.tt4 "Parameters to be monitored in the process of operation when implementing NGN technical means in public telecommunication networks".

This report will give the common view on the general principles of construction of NGN monitoring systems, the basic architecture of this system and the list of controllable networks parameters.