

Title of Presentation: IP Multimedia SubSystem an IP enabled services (features, functions and services)

The current situation of telecom development concentrated on deep research on packet networks as a common way for world wide telecom networks.

Before present day there are a lot of service control model was realized by different network solutions (for instance, Softswitch, PS, IPPBX and etc.). Each of them designed with limit functions which could help to realize session control on different network segment (IP-phone — PS, TDM — Softswitch and etc.). The creation of universal network solution which could realize global session control system was actually and will be helpful for development complicated NGN.

The IMS technology stay as a system-ready for realizing these principles.

IMS appeared as the system for UMTS networks and was produced by 3GPP on 2003. After researching the capabilities the standardization community agreed to review exist system for realizing it on the fix lines not only for wireless networks.

This presentation will cover some topics include: general principles of construction and operation of next generation networks, standardization of IMS include current situation and relevance and predictors of IMS system-network solution evolution, the fundamental aspects of telecommunication networks based on IMS system-network solutions deployment include the set of services realized by IMS system-network solutions, the typical migration strategy of existing networks to IMS system-network solution, approaches of IMS testing. Testing methodology (ETSI Plugtest, IMS NNI, Q.3904), the common problems identified by IMS system-network solutions testing, economic aspects of IMS solutions.
