

27 - 29 April 2011

The International Workshop on

**“IMPLEMENTATION EXPERIENCE OF NETWORK PERFORMANCE
PARAMETERS CONTROL SYSTEMS AND GRANTING REQUIRED LEVEL OF
SERVICES QUALITY ON THE OPERATOR NETWORKS. SENSOR NETWORKS –
AS OPTIMIZATION TOOL FOR VEHICULAR TRAFFIC FLOW”**

**under the joint ITU-ZNIIS project “International Telecommunication
Testing Centre (ITTC)” was held in ZNIIS head-quarter (Moscow)**

This Workshop is a continuation of activities carried out in a **joint project of ITU-ZNIIS whose purpose is to disseminate knowledge and results of the ITTC experts work for testing systems-network solutions, equipment and communications services among professionals of developing countries and countries of the CIS region, members of the RCC (Regional Commonwealth in the field of communications).**

The Workshop reveals actual current **approaches on services quality control systems implementation** and network performance parameters testing, **including experience of international companies - manufacturers and CIS telecom operators.**

Additionally particular attention was paid to aspects of **sensor networks technologies implementation (USN, ITS) for vehicular flows issues.**

The program of the Workshop included:

- European operators’ approaches on implementation of network performance parameters control systems for granting required level of services quality**
- international standardization of approaches on network performance parameters control for granting required services quality parameters**
- international projects on implementation of network performance parameters control mechanisms**
- approaches on implementation of network performance parameters control systems for granting required services quality**
- approaches on introduction and modernization of Operation Support Systems. NGOSS methodology**
- approaches on implementation of network performance parameters control systems for granting required services quality on CIS operators networks**

- **sensor networks and RFID systems**
- **approaches on implementation of vehicular traffic control models using new technologies. Aspects of network performance parameters control and management in the future networks**

Under the practical part of the Workshop was performed **demonstration of benchmarking testing process using specialized measurement tools and demonstration of IPTV services quality control using IXIA testing tool.**

Under the third day of the Workshop which was dedicated to sensor networks topic (USN) was performed **demonstration of remote road surface control possibilities for optimization of vehicular flows (Intellectual Transport System, ITS) using USN technology.**

The Workshop was **attended by more than 50 representatives** from the following countries: **Austria, Belarus, Moldova, Kyrgyzstan, Tajikistan, Uzbekistan, Ukraine, Russia, Germany, Ireland, Sweden and South Korea.**

Among the speakers of the Workshop included recognized as international experts members of ZNIIS, invited experts from CIS-countries (RCC) and experts from International telecommunication organizations (ETSI, University of Lulea, Arcatech, RFID/USN Center).

According to the participants survey the Workshop had a **greater utility (score 4.8 out of 5)** and **more than 90% of** respondents **plan to attend** the next event under the ITTC project.

Event was sponsored by the following companies: JSC Svyazinvest and Syrus Systems



**Participants of the International Workshop
«Experience in implementation of network performance parameter control systems for
ensuring QoS on the operator networks. Sensor networks as a tool for optimization of
automobile traffic flows »
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