Program of the international Workshop
‘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’

within ITU-ZNIIS joint project on creation of
‘International Telecommunication Testing Centre’ (ITTC)
Moscow, Russia, 27-29 April 2011

April 27

09.30 – 10.00 Participants registration
Participants registration and training and information materials distribution

10.00 – 10.15 Minkosvyaz welcoming address
Deputy Head of Department “Government services management in the field of telecommunication”
Y.V. Pankratov

10.15 – 10.30 Welcoming address from ITU Area
Administrator of Programs for CIS Countries
A.L. Untila

10.30 – 10.45 Welcoming address from RCC Executive Committee
Director General
N.N. Mukhitdinov

10.45 – 11.00 ZNIIS welcoming address
ZNIIS Science Director
D.V. Tarasov
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>11.00 – 12.30</td>
<td>European operators’ approaches on implementation of network performance parameters control systems for granting required level of services quality</td>
<td>Joachim Pomy</td>
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<td></td>
<td>Introduction to QoS concepts, transmission planning, QoE, user perception, distinction &amp; selection of appropriate regulatory approaches; best practice</td>
<td><em>ETSI STQ Vice-Chairman</em></td>
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<td>Setting up a National Transmission Plan &amp; QoS for international connections</td>
<td><em>ETSI STQ Vice-Chairman</em></td>
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<td>Transport of 64 kbit/s transparent data service over IP</td>
<td><em>ETSI TISPAN WG6 Chairman, ITU-T SG11 WP4 Vice-Chairman</em></td>
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<tr>
<td>12.30 – 13.00</td>
<td>Coffee break</td>
<td>Martin Brand</td>
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<tr>
<td>13.00 – 14.00</td>
<td>International standardization of approaches on network performance parameters control for granting required services quality parameters</td>
<td><em>ZNIIS Technopark expert</em></td>
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<td></td>
<td>Draft ITU-T Rec. Q.3915 – as the general approach to NGN services testing</td>
<td>K.A. Savin</td>
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<td></td>
<td>Handbook on network performance parameters testing and control for granting NGN services quality</td>
<td><em>ZNIIS Technopark Director</em></td>
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<td>14.00 – 15.00</td>
<td>Lunch</td>
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<td>15.00 – 16.00</td>
<td>International standardization of approaches on network performance parameters control for granting required services quality parameters (continuation)</td>
<td><em>ETSI TISPAN WG6 Chairman, ITU-T SG11 WP4 Vice-Chairman</em></td>
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<td>IMS/PES Performance Benchmark and exchange performance design objectives</td>
<td>Martin Brand</td>
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<tr>
<td>16.00 – 16.30</td>
<td>Coffee break</td>
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<tr>
<td>16.30 – 17.30</td>
<td>International projects on implementation of network performance parameters control mechanisms</td>
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**Demonstration of emutel Harmony telecom testing solution**

*Arcatech Managing Director*

**16.00 – 16.30 Coffee break**

**16.30 – 17.30**

**Voice and Fax/Modem transmission in VoIP networks**

*ETSI TISPAN WG6 Chairman, ITU-T SG11 WP4 Vice-Chairman*

**Martin Brand**

**POLQA (ITU-T Rec. P.863) - The Next-Generation Mobile Voice Quality Testing Standard**

*ETSI STQ Vice-Chairman*

**Joachim Pomy**

**April 28**

**10.00 – 11.00**

Approaches on implementation of network performance parameters control systems for granting required services quality

**KPI & voice quality measurement during drive tests**

*ETSI STQ Vice-Chairman*

**Joachim Pomy**

**IPv6 protocol capability on QoS support**

*ZNIIS Technopark expert*

**V.A. Shalaginov**

**11.00 – 11.30 Coffee break**

**11.30 – 12.30**

Approaches on implementation of network performance parameters control systems for granting required services quality (continuation)

**The IPTV QoS methodology measurement**

*ZNIIS Technopark expert*

**A.G. Itkin**
Demonstration of joint IXIA/ZNIIS solution on automatic control of IPTV services quality

**ZNIIS Technopark expert**

V.A. Shalaginov

12.30 – 13.00 Approaches on introduction and modernization of Operation Support Systems. NGOSS methodology

**ZNIIS Science Director**

D.V. Tarasov

13.00 – 14.00 Lunch

14.00 – 15.00 Approaches on implementation of network performance parameters control systems for granting required services quality on CIS operators networks

Experience of Belorussia telecom operators on implementation of network performance parameters control systems for granting required services quality. Typical problems. Experience of SLA implementation.

*1st category Engineer of Giprosvyaz R&D department*

F.K. Nakhli

Experience of Ukraine telecom operators on implementation of network performance parameters control systems for granting required services quality. Typical problems. Experience of SLA implementation.

*Leading engineer of State Enterprise «Ukraine State Radiofrequency Centre»*

D.A. Domin

15.00 – 15.30 Coffee break

15.30 – 16.30 Approaches on implementation of network performance parameters control systems for granting required services quality on CIS operators networks (continuation)

Experience of “MoldTelekom” on implementation of network performance parameters control systems for granting required services quality. Typical problems. Experience of SLA implementation.

*Deputy Technical Director «Moldtelekom»*

S.N. Kazak
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>16.30 – 17.30 Round table</td>
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<tr>
<td>10.00 – 11.00 Sensor networks and RFID systems</td>
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<tr>
<td>Analysis of USN implementation experience and overview of potential trends of introduction for sensor networks technologies and M2M processes on the Russian Federation territory</td>
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<td>ZNIIS Science Director</td>
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<tr>
<td>11.00 – 11.30 Coffee break</td>
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<tr>
<td>11.30 – 13.00 Sensor networks and RFID systems (continuation)</td>
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<tr>
<td>Standardization of Sensor Network Reference Architecture</td>
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<td>Senior engineer National IT Industry Promotion Agency RFID/USN Center</td>
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<td>Mr. Ryu, Hanjong</td>
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<tr>
<td>Approaches on USN/RFID technical means testing</td>
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<tr>
<td>13.00 – 14.00 Lunch</td>
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</table>
14.00 – 15.30 Approaches on implementation of vehicular traffic control models using new technologies. Aspects of network performance parameters control and management in the future networks

The typical project of sensor network for vehicular traffic control

**ZNIIS Technopark Director**

D.V. Andreev

Road Surface Networks technology enablers for enhanced ITS

**Expert in Wireless Sensor Networks of Lulea University of Technology**

Laurynas Riliskis

Enabling Remote Controlled Road Surface Networks for Enhanced ITS

**Expert in Wireless Sensor Networks of Lulea University of Technology**

Laurynas Riliskis

15.30 – 16.00 Coffee break

16.00 – 17.00 Round table

Common discussions of seminar topics

**ZNIIS Technopark Director**

D.V. Andreev

17.00 – 17.30 Final session

Report by ITU Area Office representative

**Administrator of Programs for CIS Countries**

A.L. Untila

Report by ZNIIS representative

**ZNIIS Science Director**

D.V. Tarasov

17.30 – 18.00 Ceremonial presentation of ITU certificate