**ITU Regional Workshop for CIS**
*«Shift of Paradigm of Modern Infocommunicaitons*
*in the Post-NGN Networks: New Technical,*
*Economical, Legal, and Political Aspects»*
*Saint Petersburg, Russian Federation, 23-25 June*

## Draft Agenda

| 23 June 2014, Monday | |
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| **09:30-10:00** | **Registration of participants** |
| **10:00—10:30** | **Opening remarks:**<br>• **Leningrad Branch of Central Scientific and Research Institute of Communications (LO ZNIIS);**<br>• **Committee for Informatization and Communications of Saint Petersburg;**<br>• **International Telecommunication Union (ITU).** |
| **10:30-12:30** | Session 1: Fundamental system and network aspects of the shift of paradigm of modern infocommunications<br><br>Chairman:  Mr. Alexander Osadchy, Director, LO ZNIIS, Doctor of Science (Engineering), professor<br>Secretary: Mr. Vyacheslav Yefimov, Deputy Director, Assistant Professor, LO ZNIIS, Candidate of Science (Engineering)<br><br>*Session 1 will consider fundamental system and network aspects of the shift of paradigm of modern infocommunications, new political and legal aspects of new post-NGN, as well as processes of current development of infocommunication technologies and the society.* |
| | **ITU Activities on NGN**<br>**Mr. Orozobek Kaiykov,** Head, ITU Area Office for CIS (TBC) |
| | ***New Scientific and System and Network Aspects of post-NGN Networks (with presentation of the new book Post-NGN Communication Networks)***<br>**Mr. A.Kucheryavy,** Chairman of the Department of Communication Networks, SPb GUT, Doctor of Science (Engineering), professor;<br>**Mr. Boris Goldstein,** Chairman of the Department of Infocommunication Systems, SPb GUT, Doctor of Science (Engineering), professor |
| | ***Philosophy of Infoevolution Approach to the Strategies of Further Development of Post-NGN Technologies***<br>**Mr. Vladimir Koimashinsky**, Professor of SPb GUT, Doctor of Science (Engineering);<br>**Mr. S.Orlov,** Professor, St.Petersburg State University of Airspace Instrumentation |
| | ***Methodology of Selection of Technical Solutions for Building of Access Telecommunication Networks depending on the Density of the Population***<br>**Mr. Vadim Kaptur,** Pro-rector for Scientific Work, Odessa National Academy of Telecommunications (ONAT) n.a. A.Popov, Candidate of Science, Senior Research Associate |
| | ***Conceptional Points of NGN Network Building on the basis of Telecommunication Application Platform***<br>**Mr. Konstantin Lyzhinkin,** Head, Research and Development Centre, LO ZNIIS |

| 12:30-13:00 | Coffee break |
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| 13:00-14:00 | *NGN Networks as a Basis for Realization of the Save City Concept*<br>**Mr. V.Zhigadlo,** Advisor to the Director General, Institute of Telecommunication CJSC, Doctor of Science (Engineering) |
| | *Position of Wireless NGN Networks in the System of Intellectual Control of the City Traffic Flows*<br>**Mr. V.Grigoryev,** Director General, LLC Laboratory of Infocommunication Networks;<br>**Mr. I.Khvorov,** Deputy Director General, LLC Laboratory of Infocommunication Networks |
| 14:00-15:00 | Lunch |
| 15:00-17:30 | *Technologies of Analyses and Designing of NGN Transport Networks Capacity at the Stage of Transition from 2GW to 3GW and 4GW*<br>**Mr. Valery Stepanets,** Director General, LLC Infotel;<br>**Mr. Sergei Odoyevsky,** Director for Methodological Support, LLC Infotel |
| | *Transition to IPv6 as a Necessary Condition of Migration to NGN. Evaluation of the Current Level of IPv6 Implementation in the World. Necessary Coordination Activities of the Regulator for Simplification of the Transition Process*<br>**Mr. Farid Nakhli,** Head, Scientific and Research Division of Infocommunication Developement, OJSC Giprosvyaz, Republic of Belarus |
| | *The Problems of Exploitation Control of NGN Networks*<br>**Mr. A.Shalaev,** Leading Research Associate, LO ZNIIS |
| | *The Issues of NGN Network Building in the Members of the Russian Federation*<br>**Mr. Vyacheslav Yefimov,** Deputy Director, Assistant Professor, LO ZNIIS, Candidate of Science (Engineering) |

## 24 June 2014, Tuesday

| 09:30–11:30 | **Session 2: Technical and Economic Aspects of Transition from Current Networks to NGN**<br><br>**Chairman: Mr. N.Sokolov, Head of Division, LO ZNIIS, Doctor of Science (Engineering), Professor**<br><br>**Secretary: Mr. Yury Babkin, Councillor of the Director, LO ZNIIS, Candidate of Science (Engineering)**<br><br>*Session 2 will cover technical and Economic Aspects of Transition from Current Networks to NGN .* |
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| | *The Impact of the ICT and Network Infrastructure Development on the Level of International Competitive Ability of the Country*<br>**Mr. Vladimir Makarov,** Chair of the Department of Economics and Management in the Communications, SPb GUT, Doctor of Economics, Professor, Academician of International Academy of Communications;<br>**Ms. Tatyana Blatova,** Head of Technopark, LO ZNIIS |
| | *Software Defined Networking (SDN) as a Possible Basis for Post-2020 Networks. Research in the Field within the frameworks of ITU-T*<br>**Mr. Farid Nakhli,** Head, Scientific and Research Division of Infocommunication Developement, OJSC Giprosvyaz, Republic of Belarus |
| | *Peculiarities of Implementation of Modern Infocommunication Technologies when Upgrading Technology Communication Networks of Fuel and Energy Complex of the* |

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| | *Russian Federation and the CIS*<br>**Mr. Alexander Lisovsky,** Assistant Professor, St. Petersburg Energy Institute of Upgrade Qualification of the Ministry of Energy of the Russian Federation, Candidate of Science (Engineering);<br>**Mr. Alexander Kharlamov**, Director General, LLC Intecom, Russian Federation |
| | *The Issues of Building and Management of SDN: Models and Methods of Analysis*<br>**Mr. Alexander Goldstein,** Assistant Professor, SPb GUT, Candidate of Science, Director General, Research and Development Centre ARGUS;<br>**Mr. Sergei Bakin, Research Associate,** Research and Development Centre ARGUS |
| **11:30-12:00** | **Coffee break** |
| **12:00-14:00** | *Use of IMS Architecture for Building of the Safe City*<br>**Mr. Alexander Kurskov,** Line Manager,  Research and Development Centre PROTEI;<br>**Mr. Maxim Maslov,** IT Director,  Research and Development Centre PROTEI |
| | *The Current State and Trends in the Development of Industry Intranet and the Technology of Industrial Internet of Things*<br>**Mr. Vladimir Komashinsky,**  Professor, SPb GUT, Doctor of Science (Engineering) |
| | *Proactive Management of Information and Security Events in NGN*<br><br>**Mr. Igor Kotenko,** Head of Laboratory of Computer Security, St. Petersburg Institute of Informatics and Automation of Russian Academy of Science, Doctor of Science (Engineering), Professor;<br>**Mr. Igor Sayenko,** Leading Research Associate, Laboratory of Head of Laboratory of Computer Security, St. Petersburg Institute of Informatics and Automation of Russian Academy of Science, Doctor of Science (Engineering), Professor;<br>**Mr. Andrei Chechulin,** Senior Research Associate, Laboratory of Head of Laboratory of Computer Security, St. Petersburg Institute of Informatics and Automation of Russian Academy of Science, Candidate of Science (Engineering) |
| **14:00–15:00** | **Lunch** |
| **15:00–17:30** | **Session 3: The Issues of Telecommunication Network Management at the stage of Transition to NGN. Some Aspects of Provision of Quality, Information Security, and Reliability of Functioning**<br><br>**Chaiman: Mr. Vadim Kaptur, Pro-rectgor, ONAS n.a. A.Popov, Ukraine**<br><br>**Secretary: Mr. Vyacheslav Yefimov, Deputy Director, Assistant Professor, LO ZNIIS, Candidate of Science (Engineering)**<br><br>*Session 3 will cover the issues of На Сессии 3 будут рассмотрены проблемы управления телекоммуникационными сетями на этапе перехода к сетям NGN.* |
| | *Modern Solutions of Information Security in Multiservice Communication Networks*<br>**Mr. Alexander Rozhkevich,** Head, Department of Software Elaboration, Research and Development Centre PROTEI; |
| | *Prospective Methods of Traffic Control in Modern Telecommunication Networks*<br>**N.Sokolov,** Chief Research Associate, LO ZNIIS, Doctor of Science (Engineering);<br>**V.Goikhman,** Director General, Research and Development Centre SOTSBI,  Candidate of Science (Engineering) |
| | **The Results of the Measures aimed at Creation and Maintenance  of the  Ported Number Database in Russia**<br>**Mr. Igor Bukharev, ,** Director, Centre of Technical Operation of Portable Number Database, |

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| | ZNIIS |
| | *Improving the Efficiency of Functioning of Transport Networks Equipped with Telecommunication Equipment on the basis of TSA Platform*<br>**Mr. Andrei Gorbach,** Deputy Head, Research and Development Centre, Assistant Professor, LO ZNIIS, Candidate of Science (Engineering) |
| | *The Trends of the Development of Hybrid Synchronization Systems at the stage of Transition to NGN Networks*<br>**Mr. Yevgeny Oparin**, Senior Research Associate, LO ZNIIS |
| **25 June 2014, Thursday** |
| 09:30–11:30 | **Session 4: International Cooperation as a Significant Factor in the Development of Post NGN Technology**<br><br>**Chairman: Mr. Orozobek Kaiykov, Head, ITU Area Office for CIS**<br><br>*Session 4 will consider the impact of the decisions of the global conferences organized by the ITU on investment policy of the state and private companies in the field of the development of information and telecommunication systems and post-NGN. Also, the Session will summarize the results of the workshop.* |
| | *Trends in the Development of Access Networks: Aspects Increase of Data Rate and Reliability Figures*<br>**Mr. Nikolay Sokolov,** Chief Research Associate, LO ZNIIS, Doctor of Science (Engineering) |
| | *Creation and Functioning of the ITU Virtual Laboratory for Remote Testing of Equipment, New Technologies and Services on the basis of ZNIIS*<br>**Mr. Igor Bukharev,** Director, Centre of Technical Operation of Portable Number Database, ZNIIS |
| | **Proposals for Building of Cognitive Wireless Post-NGG**<br>*Ms. Said Mojib Abdulhakim Saif,* Professor, Yemen State University, Sana, Republic of Yemen (remotely) |
| | **International Research Network Infrastructures and Their Role in the Development of Post NGN Technology in the Russian Federation and Other Countries of the CIS**<br>**Mr. Gleb Rogozinsky,** Head, Laboratory of Saint Petersburg State University of Telecommunications (SPb GUT) n.a. M.Bonch-Bruevich, Candidate of Science (Engineering) |
| | *The Issues of the Learning Process Management and Upgrade of Qualification of the Professors of Department of Radiotechnology, Electronics, and Telecommunications of the Eurasian National University n.a. Lev Gumilev*<br>**Mr. Shakhmaran Seilov,** ssistant Professor, Eurasian National University n.a. L.Gumilev, Doctor of Science (Economics), Candidate of Science (Engineering);<br>**Mr. Erzhan Sagyndykov,** Senior Lecturer, urasian National University n.a. L.Gumilev |
| **11:30–12:00** | **Coffee break** |
| 12:00-13:30 | **Session 5: Summing up**<br><br>**Mr. Alexander Osadchy, Director, LO ZNIIS, Doctor of Science (Engineering), professor** |
| | *Methodological Aspects of the Analysis of the Factors, which Influence Communication Service Penetration in the 3G and 4G Networks*<br>**Mr. Yury Babkin,** Councillor to the LO ZNIIS Director, Candidate of Science (Economics) |

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| | *ITU Activities in the CIS Region. ITU Area Office for CIS*<br>**Mr. Orozobek Kaiykov,** Head, ITU Area Office for CIS |
| | *Information Kazakhstan 2020: Issues and Outlook*<br>**Mr. Shakhmaran Seilov,** Assistant Professor, Eurasian National University n.a. L.Gumilev, Doctor of Science (Economics), Candidate of Science (Engineering);<br>**Sh.Igibayeva,** Lecturer, Eurasian National University n.a. L.Gumilev |
| **13:30-14:30** | **Summing up roundtable**<br><br>**Chairmen: Mr. Alexander Osadchy,** Director, LO ZNIIS, Doctor of Science (Engineering), professor; **Mr. Orozobek Kaiykov,** Head, ITU Area Office for CIS |