



**Regional Workshop for CIS on
LTE Mobile Communication Networks:
Technologies and Practice
Moscow, Russian Federation, 3-5 March 2014**



Agenda

3 March 2014, Monday

09:30-10:00	Registration of participants
10:00-10:30	<p>Opening remarks:</p> <ul style="list-style-type: none"> • Moscow Technical University of Communications and Informatics (MTUCI) – Mr. Artem Adzhemov, Rector • International Telecommunication Unions (ITU) – Mr. Orozobek Kaiykov, Head, ITU Area Office for CIS
10:30-11:00	Coffee break
11:00–13:00	<p>Session 1: Development of Mobile Broadband Communications: from 3G to LTE-Advanced</p> <p>Chairman: Mr. Mikhail Lokhvitsky, Deputy Director, Assistant Professor, Institute of Upgrade Qualification, Moscow Technical University of Communications and Informatics (MTUCI), Russian Federation</p> <p><i>The Session will cover the issues such as: Development of Mobile Broadband Communications, overview of different IMT technologies, as well as situation at Russian LTE Market.</i></p> <p>ITU Area Office Activities in 2013 and Plans for 2014 Mr. Orozobek Kaiykov, Head, ITU Area Office for CIS</p> <p>Telecommunications, Infocommunications: What Comes Next? Mr. Artem Adzhemov, Rector of MTUCI, Doctor of Science (Engineering), Professor</p> <p>Development of Mobile Broadband Communication: from 3G to LTE-Advanced Mr. Nikolai Vassiliev, Head, Fixed and Mobile Services Division, BR ITU</p>
13:00-14:30	Lunch
14:30-16:30	<p>Session 1: continuation</p> <p>Access Technology for Broadband Telecommunications including IMT, for Developing Countries Mr. Riccardo Passerini, Head, Telecommunication Technologies and Network Development Division, BDT ITU</p> <p>Radiofrequency Spectrum for Mobile Broadband Communication Mr. Nikolai Vassiliev, Head, Fixed and Mobile Services Division, BR ITU</p>

16:30–17:00	Coffee break
17:00-17:40	<p>Russian LTE Market: Leaders and Outsiders Mr. Valery Tikhvinsky, Chairman, Division of Information and Communication Technologies, Russian Academy of Natural Science, Doctor of Science (Economics), Member of the Academy</p> <p>Implementation of LTE Project in the Republic of Kazakhstan Mr. Altay Aitmagambetov, Professor, International University of Infocommunication Technologies, Republic of Kazakhstan Mr. Andrei Petrovsky, Technical Director, JSC Altel, Republic of Kazakhstan</p>

4 March 2014, Tuesday

10:00-12:00	<p>Session 2: LTE – Technology, architecture and planning</p> <p>Chairman: Mr. Orozobek Kaiykov, Head, ITU Area Office for CIS</p> <p><i>The Session will present access methods OFDM and SC-FDMA, as well as issues of LTE networks functioning: LTE structure, provision of quality of services in LTE networks, provision of roaming in LTE networks, provision of voice service in LTE networks, as well as issues of planning and engineering of LTE networks functioning.</i></p> <p>OFDM and SC-FDMA Access Methods. Structure of LTE Networks Mr. Mikhail Lokhvitsky, Deputy Director, Assistant Professor, Institute of Upgrade Qualification, Moscow Technical University of Communications and Informatics (MTUCI), Russian Federation</p> <p>LTE Radio Interface. Framing Structure and Resource Blocks Mr. Mikhail Lokhvitsky, Deputy Director, Assistant Professor, Institute of Upgrade Qualification, Moscow Technical University of Communications and Informatics (MTUCI), Russian Federation</p> <p>LTE Networks Planning and Optimization Mr. Nikolai Vassiliev, Head, Fixed and Mobile Services Division, BR ITU</p> <p>Conceptual Trends of Cellular Communications Development Mr. Yury Gromakov, General Designer – Director of Science, OJSC Intellect Telecom, Doctor of Engineering, Professor</p>
12:00–12:30	Coffee break
12:30–13:30	<p>Management and Provision of Quality of Services in LTE/ LTE Advanced Networks Pawel Biskupski, Systemics-PAB, Poland</p>
13:30-14:30	Lunch
14:30-16:30	<p>Session 2: continuation</p> <p>Global Terrestrial and Space Information System GLONIS: Necessity of Engineering Research Mr. Nikolay Smirnov, Professor, MTUCI, Doctor of Science (Engineering) Mr. Vladimir Kuskov, Member of Academy of Cosmonautics n.a. Konstantin Tsiolkovsky, Candidate of Science (Engineering)</p>

	<p>Provision of Roaming in LTE Networks Mr. Valery Tikhvinsky, Chairman, Division of Information and Communication Technologies, Russian Academy of Natural Science, Doctor of Science (Economics), Member of the Academy Mr. Sergey Terentyev, OJSC Osnova Telecom, Candidate of Science (Engineering), Corresponding Member, Russian Academy of Natural Science</p> <p>Provision of Voice Service over LTE Networks and Peculiarities of Building of LTE Architecture Mr. S.Terentyev, OJSC Osnova Telecom, Candidate of Science (Engineering), Corresponding Member, Russian Academy of Natural Science</p>
16:30–17:00	Coffee break
17:00-17:30	<p>Issues of Planning and Engineering of LTE Networks Mr. V.Skrynnikov, expert, MTC OJSC, Candidate of Science (Engineering), Corresponding Member, Russian Academy of Natural Science</p>

5 March 2014, Wednesday

10:00—12:00	<p>Session 3: Prospects for the Development of LTE Networks</p> <p>Chairman: Mr. Nikolai Vassiliev, Head, Fixed and Mobile Services Division, BR ITU</p> <p><i>The Session will cover the prospects of building of LTE networks on the basis of SDN technologies, HetNet, the issues of monetizing of LTE networks on the basis of M2M Services, as well as conceptual aspects of creation of the 5G Networks.</i></p> <p>Prospects of Building of the LTE Networks on the basis of SDN Technologies Mr. Vladimir Yefimushkin, Director of Department, OJSC Intellect Telecom, Candidate of Science (Physics and Mathematics), Assistant Professor; Ms. Tatyana Ledovskikh, Deputy Director of Department, OJSC Intellect Telecom</p> <p>RAN Cloud Technologies and LTE Evolution to the Age of Screens Mr. Valery Tikhvinsky, Chairman, Division of Information and Communication Technologies, Russian Academy of Natural Science, Doctor of Science (Economics), Member of the Academy Mr.G.Bochechka, Head of Division, Innovation Centre, IComInvest LLC</p> <p>HetNet: the Present and the Future of Mobile Communication Networks Mr. Vadim Belyavsky, Project Manager, OJSC Intellect Telecom</p> <p>Standardization of the LTE Technologies and Equipment in Europe and in the World Mr. Igor Minaev, ETSI ERM Technical Officer</p>
12:00-12:30	Coffee break
12:30–13:30	<p>Monetizing of LTE Networks on the basis of M2M Services Mr.G.Bochechka, Head of Division, Innovation Centre, IComInvest LLC</p>
12:30-14:00	Lunch
14:30-15:30	<p>Session 3: continuation</p> <p>Conceptual Aspects of Creation of the 5G Networks Mr. Valery Tikhvinsky, Chairman, Division of Information and Communication Technologies, Russian Academy of Natural Science, Doctor of Science (Economics), Member of the Academy</p>

	<p><i>The Issues of Elaboration and Standardization of 5G Systems in ITU-R</i> Mr. Vadim Poskakukhin, Head of Laboratory, Federal State Unitary Enterprise Scientific and Research Institute of Radio</p>
15:30-16:00	Summing up roundtable. Conclusions and recommendations. Closing of the workshop