



ITU workshop for the CIS countries
Trends in the Development of Radiocommunication
as a Result of WRC-12. Technical and Regulatory Aspects
5-9 June 2012, St. Petersburg, Russian Federation



PROGRAMME

Day 1, 5 June 2012, Tuesday

08:30-09:30	Registration of participants
09:30 — 10:15	<p>Opening Ceremony Opening Remarks:</p> <ul style="list-style-type: none"> ▪ Host country (Ministry of Communications and Mass Media of the Russian Federation) ▪ Chairman of the Forum (Leningrad Branch Central Scientific Research Institute of Communication (LBCRIC)) ▪ Welcome address on behalf of the Regional Commonwealth in the field of Communications ▪ Representative of ITU <p>Introduction of the Forum Delegates</p>
10:15 — 10:30	Coffee-break
10.30-12.00	<p>SESSION 1: Moderator: V.Strelets, Deputy Director of the Department for International Cooperation of the Ministry of Communication and Mass Media of the Russian Federation, Chairman of ITU Radio Regulation Board</p> <p>Session 1 and Session 2 focus on analysis of the RCC experience in preparations for WRC-12 and WRC-12 influence on telecommunication development in the RCC countries</p> <p>Decisions of the world telecommunication conferences determine world trends in use of RF spectrum and strategic lines of modern communication systems and radiocommunication development. Appreciation of the results of the conferences helps the communication administrations to take sound decisions in use of RF spectrum for both development of new technologies and protection of old systems. The discussion will be dedicated to general evaluation of the results of the Radiocommunication Assembly 2012 and the World Radiocommunication Conference 2012. In addition, representative of the Communication Administrations of the RCC member states will have an opportunity to exchange opinions their about WRC-12 decisions influence on development of national communication systems and national priorities in preparations for the WRC-15.</p>
	<p>Increasingly Larger Role of the Radio Regulations Board (RRB) in view of the WRC-12 D V.Strelets, Deputy Director, Department for International Cooperation, Ministry of Communications and Mass Media of the Russian Federation, the ITU RRB Member</p>
	<p>The Radiocommunication Assembly 2012 (RA-12): New Stage of the ITU-R Research Commissions V. Butenko, Director General, FSUE Scientific Research Institute of Radio</p>
	Preparation for the WRC-12 within the framework of the Preparatory Meeting and the Conference

	V.Varlamov , Deputy Director General, Main Radio Frequency Centre, Russian Federation
12:00 – 14:00	Lunch
14:00 – 15:30	SESSION 2: Moderator: Albert Nalbandyan, Advisor of the Minister of Transport and Communication of Armenia
	About Preparations of the Board of the RCC for the ITU-R Forums A.Nalbandyan , Advisor of the Minister of Transport and Communication of Armenia
	Prospects of Cognitive Radiocommunication System Development A. Medeisis , Chairman, COST-TERRA Project on cognitive and adjustable radio, Vilnius Gedeminas Technical University, Lithuania
	Regulations of Cognitive Device Use as a Result of RA-12 and WRC-12 and Results of the Research in the Russian Federation I.Guryanov , Deputy Director, Scientific and Research Centre of Analyses of the Scientific and Research Institute of Radio
15:30 – 16:00	Coffee-break
16.00-18.00	Experience of the RCC Communication Administrations in preparations for WRC-12 on the Point 1.17 of the Agenda and Influence of the WRC-12 Resolutions on New Technology Development in the RCC Countries I.Zheltonogov , Deputy Director General, RPC Geysler-Telecom
	Evolution of RF spectrum of aeronautical services for needs of aviation cutting-edge technologies V.Glushko , Deputy Director General, RPC Geysler-Telecom
	RF Spectrum Use for Development of Scientific Services V.Nozdryn , Counsellor for ITU-R Study Group 7 (SGD/SG7)
	Prospects of EMC Issues Solving using Adaptable Aerial System with Combined Signal Processing V. Grigoryev , Director General, LLC Infocommunication Network Laboratory I.Khvorov , Deputy Director General, LLC Infocommunication Network Laboratory

Day 2, 6 June 2012, Wednesday

09.00 – 10.30	<p>SESSION 3: Moderator R.Nurshabekov, Chairman, Committee for Communications and Informatization, Ministry of Communication and Information, Republic of Kazakhstan</p> <p>Session 3 considers Influence of the WRC-12 decisions on development of national communication systems and national priorities in preparations for the WRC-15</p>
	<p>Trends in Development of Satellite Communication and Broadcasting Networks and Influence of International RF Regulation Rules on Realization of National Satellite Projects</p> <p>A.Ivanov, M.Strelets, RPC Geysar-Telecom</p>
	<p>Change in Orbital and Frequency Resource Access Regulation Procedures regarding Satellite Communication and Broadcasting Systems as a Result of WRC-12</p> <p>M.Mysev, Head of Laboratory, Scientific and Research Centre of Analyses of the Scientific and Research Institute of Radio</p>
10.30-11.00	Coffee-break
11.00-12.30	<p>Importance of WRC Resolutions for Effective Use of Satellite and Frequency Resources in Development of National Satellite Communication Networks</p> <p>M.Guliyev, Principal Councillor, Ministry of Communications and Informatizations, the Azerbaijan Republic</p>
	<p>Development of Cutting-edge Radiocommunication Systems and Means, according to the WRC-12 Decisions, in the Republic of Belarus</p> <p>S.Novikov, Head of RF Spectrum Control Department, Ministry of Communications and Informatization, Republic of Belarus</p>
	<p>Experience of the Communication Administration of the Republic of Kazakhstan in Preparations for the WRC-12</p> <p>R.Nurshabekov, President, Committee for Communications and Information, Kazakhstan</p>
12.30 – 14.00	Lunch
14.00 – 15.30	<p>SESSION 4: Moderator M.Guliyev, Principle Advisor, Ministry of Communications and Information Technologies of Azerbaijan Republic</p> <p>Session 4 is dedicated to analyses of Opinions of Communication Administrations of the RCC Member States</p>
	<p>New Opportunities for Radiocommunication Development in Kyrgyz Republic as a Result of WRC-12</p> <p>M.Dzhylyshbaev, leading specialist, RF Spectrum Control Division, State Communication Agency under the Government of Kyrgyz Republic</p> <p>A.Tilenbayev, leading specialist, RF Spectrum Control Division, State Communication Agency under the Government of Kyrgyz Republic</p>
	<p>Topical Questions of the RF Resource Purposeful Use Securing in the RF Centre of North West Federal District Activities within the framework of WRC-12 Resolutions and Recommendations</p> <p>A.Abramov, Acting Director General, RF Centre of North West Federal District</p>
	<p>Rice of Efficiency of RF Spectrum Use based on Automated Planning of Mobile and Fixed Radiocommunication Networks</p>

	V.Stepanets, Director General, LLC Infotel Sergei Odoyevsky, Director on Scientific and Methodical Provision, LLC Infotel
	Use of Low Bit-rate Coders as a Method of EMC Improvement and Rise of Efficiency of Spectrum Use in Short-wave Communications Yulia Khitrova, Director, LLC Centre of Speech Technologies
15.30 – 16.00	Coffee-break
16.00 – 17.30	Roundtable
Day 3, 7 June 2012, Thursday	
9.00 – 09.30	SESSION 5: Moderator: F.Rancy, Director, the ITU Radioncommunication Bureau (BR)/ Y.Henri, Chief, Space Services Department (SSD), the ITU Radioncommunication Bureau (BR) Session 5 and Session 6 will consider changes in the International System of RF Spectrum Control Accepted by the WRC-12 and problems of Modern Radiocommunication and Broadcasting Development Determined in the WRC-15 Agenda. Leading international experts in the field of development of the cutting-edge technologies, according to the WRC-12 decisions and the WRC-15 Agenda will express their opinions
9.30-11.00	<u>Satellite Services</u> Improvement of Procedures and Technical Principles of Orbital and Frequency Resource Use Control by Satellite Radiocommunication and Broadcasting Systems Y.Henri, Chief, Space Services Department (SSD), the ITU Radioncommunication Bureau (BR)
11:00 – 11:30	Coffee-break
11:30 – 13:00	<u>Radiodetermination Services, Sea and Aeronautical Services</u> Consequences of WRC-12 Resolutions in Reference to Ground Services except for Broadband Mobile Systems John Mettrop, Spectrum Engineer, Civil Aviation Authority, UK; Chairman of ITU-R Working Party 5A
13:00 – 14:00	Lunch
14.00 - 15.30	SESSION 6 Moderator: V.Nozdryn, Counsellor, the ITU-R Study <u>Mobile Services</u> Age of Mobile Broad Band Access: Opportunities and Problems at WRC-12 W.Boquet, Deputy Director, Orange, France
	International Mobile Connection: Network Overflow, Limited Range, Growing Demand L.Wieweg, Ericson, Sweden
15.30 – 16.00	Coffee Break
16.00 – 17.30	<u>Satellite Radionavigation and Issue of Leap Second</u> Realization of the Universal Time Coordinate (UTC) F.Arias, Director, Time Department, BIPM, Paris (Presentation will be by Wlodzimierz Lewandowski)
	Time Coordinate in GLONASS and Problems Caused by UTC Change A.Tyulaykov, Deputy Director General, JSC Russian Institute of Radionavigation and

Time

S.Pochuyev, D.Aronov, RPC Geyser Telecom

Time Coordinates in GLONASS and UTC

W.Lewandowski, Senior Physicist, International Office for Weight and Measures (BIPM)

Solutions of Problems of the Organization of Power Supply of Systems of a Radio Communication in Remote and Difficult Access Areas

Li Yang, Manager of Overseas Business Department, Shaanxi XinTong Intelligent Technology Co., Ltd.

Day 4, 8 June 2012, Friday

09.00 – 10.30	<p>SESSION 7: Moderator O.Kaiykov, Head, ITU Area Office for CIS</p> <p>Session 7 is dedicated to the issue of radiocommunication and broadcast development trends in accordance with the WRC Decisions.</p> <p>Decisions of World Radioncommunication Conferences are very important for decision-making on investments into different radio system development projects. During Session 7 of the workshop, presentations of scientific and technical organizations and companies are to be made, dedicated to radiocommunication and broadcast development trends based on the WRC decisions.</p>
	<p>Trends in Broadband Access Development</p> <p>N.Sokolov, D.o.T.S., Professor, St. Petersburg State University of Telecommunications named after M.Bonch-Bruyevich, Head of Department, Leningrad Branch Central Scientific Research Institute of Communication (LBCRIC)</p>
	<p>Concept Directions of Cellular Communication Development</p> <p>Y.Gromakov, Doctor of Technical Science, Professor, Intellect Telecom</p>
10.30–11.00	Coffee-break
11.00- 12.30	<p>Issues of Providing Mobile Broadband Access Systems, Including IMT, with RF Resource</p> <p>V.Poskakukhin, Head of Laboratory, Scientific and Research Centre of Analyses of the Scientific and Research Institute of Radio</p>
	<p>Prospects of Short-wave Radio Network Development</p> <p>V.Komashinsky, Doctor of Technical Science, Deputy Director, Leningrad Branch Central Scientific Research Institute of Communication (LBCRIC)</p>
12.30–14.00	Lunch
14.00 – 15.00	<p>SESSION 8: Moderator: V.Komashinsky, D.o.T.S., Deputy Director, Leningrad Branch Central Scientific Research Institute of Communication (LBCRIC)</p> <p>Session 8 is a summing up session of the workshop generalizing main opinions expressed by the speakers and conclusions made by the workshop participants</p>
	<p>Use of Modern Automated Short-wave Communication Complexes with Multi-parameter Adaptation as a Trend in Improvement of the Effectiveness of RF Resource Use</p> <p>N.Chistyakov, Head, Research and Scientific Organization LLC RIMR</p>
	<p>ITU Activities in the CIS Region. ITU Area Office for CIS</p> <p>O.Kaiykov, Head, ITU Area Office for CIS</p>
16.30-17.00	Presentation of the Certificates. Closing of the Workshop