

ITU REGIONAL SEMINAR CONCLUSIONS AND RECOMMENDATIONS

«Implementation of digital broadcasting» 24-26 august 2010, Issyk Kul, Republic of Kyrgyzstan

By a kind invitation of Administration of the Kyrgyzstan Republic, Telecommunication Development Bureau (BDT) of International Telecommunication Union conducted the international seminar for CIS countries – “**Implementation of digital broadcasting**”.

This seminar provided an opportunity to share information about current trends in this field worldwide, about possibilities of digital broadcasting (interactivity, portability etc.) and about digital television implementation in Region 1.

57 specialists from 8 ITU Member States (Republic of Azerbaijan, Republic of Armenia, Republic of Kazakhstan, Kyrgyz Republic, Republic of Moldova, Russian Federation, Ukraine and Republic of Lithuania), ITU (ITU Area Office for CIS countries), RCC Working Groups and Executive Committee.

Working language of the seminar was Russian.

27 reports were presented during the seminar by the specialists from administrations, ITU BDT, frequency management organizations, research institution, as well as by the representatives of working parties and broadcasting operators. Also round table discussion on vital questions was held.

The following key points were considered and discussed:

- ▶ Legal aspects of digital broadcasting implementation, including:
 - Government programs for the implementation of digital broadcasting and the ways of its realization;
 - Technical, commercial and other aspects of digital broadcasting implementation.

- ▶ Experience in networks implementation and development of digital broadcasting standards in the CIS countries and the Baltic States, namely:
 - in the Republic of Mordovia, Russian Federation;
 - in the Republic of Moldova
 - in Central and Western Europe and the experience of Lithuania;
 - in Ukraine;
 - in Kazakhstan;
 - in Kyrgyzstan;

- ▶ Capabilities of digital broadcasting networks, including:
 - Network of interactive educational television;
 - Protection of content and operator services in modern pay –based broadcasting networks;
 - development of interactive services based on digital networks.

- ▶ Spectrum harmonization, economical and regulatory issues, including:
 - Study and testing of pilot DVB-H digital terrestrial broadcasting networks for mobile reception;
 - Sharing the common frequency bands in terrestrial digital broadcasting networks based on DVB-T/H standards;
 - Using the frequency band 790-862 MHz by the broadcasting and mobile network services;

Seminar participants *noted*:

1. the relevance of the seminar considering speakers large practical experience, which allowed to present excellent workshop materials;
2. informational content – a maximum of practical knowledge, many examples from the experience of other countries, which allowed to see the weaknesses and to find effective ways to solve existing problems;
3. practical significance of the presented reports for the specialists of telecom administrations of the participating countries;
4. systematic approach to the construction of the workshop and the formation of modern conceptions of digital broadcasting;
5. conciseness, and at the same time intensity – a wide scope of issues and description of the practice today;
6. the importance of research, and standards (ITU Recommendations) and other documents, developed by ITU-D and aimed at improving radio frequency spectrum use, implementation of advanced technologies (such as digital broadcasting) for telecom administrations;
7. the importance of research conducted by the telecom administration of the Kyrgyz Republic on implementation of interactive multimedia digital network Alippe.TV in mountainous areas;

Seminar participants *also noted*:

- a) the need for more efficient use of spectrum;
- b) the relevance of exchange of the experience of spectrum management, including the exchange of experience in the field of development, creation, implementation and exploitation of the digital broadcasting systems;
- c) possibility for participants of the seminar to use presented reports and the results of the exchange of views in the development of common proposals of telecom administration of RCC on the agenda items of WRC-12 and on the preparation for the RA-12;
- d) during the implementation of digital television it is necessary to draw attention to the launch of addition services such as interactivity, multimedia applications etc.

Seminar participants consider expedient:

1. to continue the practice of holding ITU seminars to exchange experience between ITU and communication administrations on spectrum management in the part relating to digital broadcasting;
2. considering the positive experience of the 2010 workshops on spectrum management, the implementation of various technologies and standards, to ask EC RCC to request proposals of administrations. Recommend to the EC RCC, if necessary, contact to ITU BR and BDT with relevant clarifications of Plan 2011.
3. to invite administration to take active part in World Radiocommunication Seminar, which will be held in Geneva in December 2010. (see <http://www.itu.int/ITU-R/index.asp?category=conferences&mlink=wrs-10&lang=ru>);
4. to request ITU to consider the possibility of organizing a similar seminar for the RCC countries and their observers in the second half of 2012 (after Radiocommunication Assembly and World Radiocommunication Conference 2012);

Participants of the seminar noted that the raised issues and conducted during the workshop exchange of views and experience will enhance the interaction between the communication administrations and ITU, thanked for the opportunity to communicate with experts and colleagues, for the qualified choice of topics for discussion, for the perfect solutions of organizational matters. Also noted a good practice of communicating with colleagues during the seminar, which is its absolute advantage, helping better understanding the material by the specialists of communication administrations of participating countries.

Participants express their sincere gratitude to the communication administration of the Republic of Kyrgyzstan, State communication agency of the Republic of Kyrgyzstan and ITU for the excellent organization of the seminar.