



Conclusions and Recommendations of the ITU BDT Seminar “New Technologies and their impact on regulation” 14-16 December 2010, Yerevan (Tsakhkadzor), Armenia

At the kind invitation of the Ministry of Transport and Communications of the Republic of Armenia, in Yerevan (Tsakhkadzor), from 14 to 16 December 2010, ITU BDT implemented the seminar for CIS countries “New Technologies and Their Impact of Regulation”.

This seminar was a continuation of the tradition of consideration and discussion of influence of new telecommunication and ICT systems/networks on regulation of telecommunications including radiocommunication, and impact of regulation on introduction of new telecom/ICT systems. Economic aspects of regulation stimulating deployment of new technologies, were also discussed.

Seminar was attended by 41 specialist from 10 ITU Member-States (8 CIS countries: Республика Армении, Республика Беларусь, Республика Казахстан, Кыргызской Armenia, Belarus, Kazakhstan, Kyrgyz Republic, Moldova, Russia, Uzbekistan, Ukraine and 2 EU countries: Latvia and Lithuania), ITU BR and BDT (Area Office for CIS) and RCC Executive Committee.

Working language of the seminar was Russian.

28 presentations were made at the seminar by the specialists from the ITU BR and BDT, UNESCO (IITE), national administrations, regulators, R&D and public organizations, RCC Executive Committee.

The following issues were considered and discussed:

- ICT/telecommunication development trends;
- Experience and results of deployment of new ICTs on international, regional (CIS and EU) and national levels;
- Influence of new technologies on regulation of telecommunication including use of frequency spectrum and satellite orbits;
- Regulatory problems emerging during introduction of new technologies and regulatory methods for modernization of networks and launching of new services;
- Influence of regulation and licensing on efficiency of use of spectrum and numbering resource;
- Economic methods of spectrum use including:

- ✓ Economic methods of spectrum management ;
- ✓ Methodologies of calculation of interconnection tariffs;
- ✓ Payments for broadband access, Internet services, etc;
- Regulation of construction, use and operation of telecommunication systems/networks on international, regional and national levels (legislation, regulations, responsibilities and structure of international, regional and national regulatory systems).

The seminar participants noted:

- 1) topicality of the seminar;
- 2) practical importance of presentations for the participants – the materials of the seminar can be used by them in their professional activities;
- 3) importance of studies carried out by ITU Sectors, on development of ITU standards (Radio Regulations and ITU-R and ITU-T Recommendations) used in construction of state-of-the-art telecom systems;
- 4) usefulness of ITU-D documents for introduction of advanced technologies (broadband access, NGN, digital broadcasting): telecom regulation recommendations/projects, methodological guides on deployment of new telecom/ICT systems;
- 5) importance of application of economic methods in regulation of telecommunication systems/networks including regulation of spectrum use (resource-based approach);
- 6) significance of timely changes in telecommunication regulation for introduction of new technologies;
- 7) high practical importance of ITU administrative regulations and standards for the development and deployment of telecommunication/ICT systems, new services for social and economic development of CIS countries,.

Seminar participants agreed that it is important:

1. to continue organization of ITU seminar on problems of introduction of new ICTs and telecommunication systems/networks.
2. to develop guidelines for construction of social information-and-communications networks providing access to population to vital infocommunications services (probably, within the framework of RCC activities).
3. to invite administrations to take active part in preparation of proposals on improvement of international regulations (Radio Regulations and International Telecommunication Regulations).
4. taking into account the positive experience of this seminar – to ask ITU to consider the possibility of organization of similar seminars in 2011-2012.
5. noting the importance of decisions taken by the World Radiocommunication Conference for introduction of new ICTs and services, to ask ITU to consider the possibility to arrange in 2011 the seminar "World Radiocommunication Conference 2012 (WRC-12) – objectives, possible decisions and vital issues not covered by WRC-12".

Seminar participants note that the problems discussed and the experience and opinions shared during the seminar will contribute to further improvement of interaction between administrations and ITU.

Participants express sincere gratitude to the Ministry of Transport and Communications of the Republic of Armenia and ITU for excellent organization and conduct of the seminar.
