



Conclusions and Recommendations

Within the framework of the Centres of Excellence (CoE) for CIS, the International Telecommunication Union (ITU) in cooperation with the Ukrainian CoE node at Odessa National Academy of Telecommunications (ONAT) n.a. A.S.Popov of the Ministry of Education and Science of Ukraine held the videoconference workshop for CIS "Modern methods of designing next-generation networks" on 18 November 2014.

The workshop covered topical issues, such as: models and principles of next-generation networks (NGN); stages and design methodology of telecommunication networks; automation of design processes and other methods to improve the productivity of designers; methods of the selection of technology solutions and evaluation of the effectiveness of the reorganization of telecommunication networks; methods for determining the characteristics of telecommunication networks at the design stage; methods of comparison of technologies of telecommunication networks at the stage of pre-feasibility studies; experience in designing next-generation networks for various purposes (telecommunication operators, utility companies, educational networks etc.).

The workshop was attended by 155 representatives of communication administrations, regulators, telecom operators, universities and research institutions from 7 CIS countries: Kyrgyz Republic, Republic of Armenia, Republic of Belarus, Republic of Kazakhstan, Republic of Moldova, Russian Federation, and Ukraine. Within the framework of the workshop, 6 presentations were delivered, elaborated by the leading ONAT scientists and experts in the field of telecommunication network design.

Summing up the results, the participants noted:

- 1) relevance of the workshop;
- 2) practical significance of the presentations delivered, which can be used by the participants in their professional activities;
- 3) the necessity to improve the computer-aided design and to harmonize principles of construction of the NGN at international and national levels;
- 4) the importance of developing new methods of comparison, selection and evaluation of the effectiveness of technology for the NGN constructing in order to minimize the subjective influence on the processes of their design;
- 5) the relevance of studies aimed at identifying relationships between the key characteristics of the traffic and the network, as well as levels of quality of service;
- 6) the appropriateness of the knowledge gained in the NGN design for various purposes (departmental networks, operator solutions, educational projects, etc.);
- 7) the importance of intensifying cooperation in the field of the exchange of experiences among the CIS countries and, especially, between the leading educational and scientific institutions of the CIS countries ;
- 8) the necessity to continue organizing the ITU workshops within the CoE project with active involvement of participants from various organizations.

Participants express their sincere gratitude to the speakers, the management and the staff of Odessa National Academy of Telecommunications n.a. A.Popov and to the ITU Area Office for CIS for the excellent organization of the workshop.