

Report of the ITU Regional Workshop for CIS and Georgia on the Issues of Mobile Number Portability, Conformance and Interoperability *Moscow, Russian Federation, 22-24 March 2016*



The ITU Regional Workshop for CIS and Georgia on the Issues of Mobile Number Portability, Conformance and Interoperability, organized by the Telecommunication Development Bureau in cooperation with Federal State Unitary Enterprise Central Scientific and Research Institute of Communications (ZNIIS), was held in Moscow, Russian Federation, from 22 to 24 March 2016.

The workshop was aimed at the exchange of practical experiences in the field of mobile number portability, conformance and interoperability, as well as in the field of remote testing of pf equipment, new technologies, and services.

In particular, the workshop considered the issues, such as: subscriber number portability standardization, including by experience of creation and operation of Ported Number Database (PNB) in the Russian Federation and other CIS countries; ITU/ZNIIS cooperation to the point of MNP system testing within the framework of the set-up ITU pilot project; further development and improvement of information systems, ensuring mobile number portability towards implementation of ENUM technology, means of control of mobile device use on communication networks based on IMEI subscriber terminal codes; control of fraud using SIM card when providing bank services; numbering use in the conditions of modern digital market, including Internet of Things service; ITU activities in the field of conformance and interoperability.

Also, the workshop covered the issues of implementation of new methods of data transmitting measurement in the Internet, SDN and NFV standardization and regulation (including the network testing, monitoring and protection using these technologies), as well as the issue of the use of the virtual laboratory, created within the framework of implementation of the CIS regional initiative approved by WTDC-10.

The workshop was attended by representatives of **8 CIS countries** (Republic of Belarus, Republic of Kazakhstan, Kyrgyz Republic, Republic of Moldova, Russian Federation, Republic of Tajikistan, Republic of Uzbekistan, Ukraine). The participants represented organizations, such as: OJSC Mobile Tele Systems, JSC NATEKS Group of Companies, OJSC IT Centre, State Communication Agency under the Government of Kyrgyz Republic, CJSC Alfa Telecom, OJSC Sky Mobile, National Telecommunication Association of the Republic of Kazakhstan, Ministry of Information Technology and Communications of the Republic of Moldova, Moldtelecom S.A., Communication Service under the Government of the Republic of Tajikistan, OJSC Giprosvyaz (Republic of Belarus), Ministry for the Development of Information Technologies and Communications of the Republic of Uzbekistan, JSC Uzbektelecom, State Telecommunication University (Ukraine), Ukrainian Centre Number and Address Maintenance, Ministry of Telecom and Mass Communications of the Russian Federation, Regional Commonwealth in the field of Communications, International Telecommunication Academy.

The International Telecommunication Union was represented by Mr. Orozobek Kaiykov, Head, Area Office for CIS, and Mr. Farid Nakhli, Programme Officer, Area Office for CIS.

Total number of participants made **40 persons**.



The workshop participants

Within the framework of official opening, the participants were greeted by: Mr. Andrei Gryazev, Acting Director General, ZNIIS; Mr. Oleg Polyakov, Deputy Director, Infrastructure Project Department, Ministry of Telecom and Mass Communications of the Russian Federation; Mr. Orozobek Kaiykov, Head, ITU Area Office for CIS. The greeting of Mr. Oleg Dukhovnitsky, Head, Federal Communication Agency, was delivered by Andrei Gryazev.

The workshop was conducted in Russian. **20 topical presentations** were delivered within the 3 days of the workshop.

The presentations, delivered during the **first day** of the event were dedicated to mobile number portability standardization and the experience of operation of the Ported Number Database in Russia and other CIS countries. Also, at Session 1, Orozobek Kaiykov presented ITU activities in the CIS region.

Second day of the workshop was dedicated to the ITU activities in the field of conformance and interoperability. In particular, *Key Areas and Core Results of ITU Activities referring to the Implementation of ITU C&I Programme. Pillars 1 & 2* were presented by Farid Nakhli.

At the end of the second day, the participants had an opportunity to get acquainted with the infrastructure of the ITU/ZNIIS virtual laboratory, measuring equipment used for the testing, infocommunication platform of the ZNIIS Technopark, as well as with the Ported Number Database composite function, including the connection to the Database testing configuration and the work of the technical support service.



Excursion to the ZNIIS Technopark

The presentations of the **third day** of the event covered advanced areas of the ITU activities in the field of mobile number portability, conformance and interoperability.

The third day was completed by a roundtable on the problems relating to MNP service implementation, as well as to communication means C&I and their solutions. In particular, the participants noted the necessity to research the issues of numbering use in the conditions of the modern digital market, including the Internet of Things, the ICT product conformance and interoperability in the CIS countries (certification of conformance etc.), considered possibilities of the ITU/ZNIIS virtual laboratory equipment use and cooperation with the ZNIIS.

Within the framework of the summing-up, closing remarks were made by Orozobek Kaiykov; Mr. Yevgeny Malishevsky, Director, Scientific and Consultancy Centre of National Telecommunication Association of the Republic of Kazakhstan; Ms. Natalya Chernogubova, Head, Approval Document Division, State Communication Agency under the Government of Kyrgyz Republic; Mr. Yury Kargapolov, Technical Director, Ukrainian Centre of Number and Address Support; Mr. Igor Bukharev, Head, Service for Creation and Operation of Ported Number Database, ZNIIS.



The workshop

During the discussions of the workshop, the following was indicated as significant by the participants:

- The issue of access to the Central Ported Number Database and the interest to the access in the SMS aggregators and other organizations;
- The work for control of subscriber terminal use on mobile radiotelephone communication network based on IMEI codes, which contributes to increase of financial incomes to the state budget (through taxes and state duties); the maximal effect can be reached through cooperation within the framework of the Customs Union; obligatory registration is necessary for subscribers selling the SIM card;
- The IMEI database deployment is logical on the basis of the existing Ported Number Database;
- The issues of conformance and interoperability should be obligatory in all countries of the region and solved in the same manner (regulators were recommended to elaborate suggestions);
- The necessity to clear by the ITU the use of the ITU recommendations, including those related to economical activities;
- The necessity to create an international working group on the issues of the use of OID and DOI identifiers;
- The seriousness of the e-waste problem;
- The issues of SDN and NFV standardization and regulation.

The ZNIIS announced their plans to complete the pilot project on MNP system testing. Also, the ZNIIS

expressed their interest to carry a procedure of the ITU/ZNIIS virtual laboratory acknowledgment by the International Electrotechnical Commission and its further accreditation for ISO 17025 standard and ITU-T Recommendation. The ZNIIS plans to raise that laboratory status at the international level and use for SIP-IMS terminal equipment testing.

When summing up, the participants noted:

- *Topicality of the event, high volume of interesting and various information;*
- *Importance of the exchange of opinions and experiences within the framework of the event;*
- *Practical significance of the presentations, the content of which can be used by the participants for their professional activities;*
- *Necessity and importance to continue organizing the ITU events dedicated to mobile number portability, conformance and interoperability with involvement of experts and stakeholders not only from the CIS, but also from other regions of the world.*

The success of the event can be evaluated based on the following KPIs:

- **Number of participants:** *the workshop was attended by 40 participants.*
- **Number of participating countries:** *participants represented 8 CIS countries..*
- **Number of presentations** *on the event topic: 20 presentations were delivered at the event.*
- **Positive feedback** *from the event participants confirming the event topicality and practical relevance: participants expressed satisfaction with the event results, noting the topicality and relevance of the information presented for almost all countries of the region.*
- **Information and experience shared:** *participants significantly raised their awareness of mobile number portability, subscriber number portability standardization, use of numbering in the conditions of the development of digital market, including the implementation of the Internet of Things, which will allow them to practically contribute to the development of this service in their countries.*

Therefore, the ITU Regional Workshop for CIS and Georgia on the Issues of Mobile Number Portability, Conformance and Interoperability was a success, since it achieved the objectives fixed within the framework of ITU-D OP-16. Among the KPIs, which are to be mentioned, there are the following: significant number of participants (40), which included specialists directly dealing with creation and operation of ported number database; significant number of topical presentations (20), which are evidence of the event topicality and its importance for the CIS; as well as positive feedback from the participants, who appreciated the event organization and content.

The participants expressed their gratitude to the chairs of the sessions and the speakers, ITU, Ministry of Telecom and Mass Communications of the Russian Federation, Federal Communication Agency, as well as to the ZNIIS for the work done and the excellent event management.

International Telecommunication Union, in its turn, expresses gratitude to the ZNIIS for cooperation in the organization and conducting of the event. Also, the ITU thanks the speakers for the work done and the participants for active participation in the discussions.