



## REPORT

### Of ITU Regional Workshop on *Key Aspects of Cybersecurity in the Context of Internet of Things (IoT)*, Tashkent, Republic of Uzbekistan, 18-19 September 2017

The ITU Regional Workshop on *Key Aspects of Cybersecurity in the Context of Internet of Things (IoT)*, organized by the Telecommunication Development Bureau in cooperation with the Ministry for the Development of Information Technologies and Communications of the Republic of Uzbekistan, was held in Tashkent from 18 to 19 September 2017.

The workshop was attended by **56 participants from 8 countries** (Republic of Belarus, Republic of Kazakhstan, Kyrgyz Republic, Republic of Moldova, Russian Federation, Republic of Tajikistan, Republic of Uzbekistan, and Ukraine). Participants represented communication administrations, telecommunication companies, scientific and research institutions, specialized universities, as well as regional and international organizations. The International Telecommunication Union was represented by Kirill Oparin, Area Representative for CIS; Farid Nakhli, Programme Officer, Area Office for CIS; and Marwan Ben Rached, Technical Officer – Cybersecurity.

At the official opening, greetings were delivered by Zafar Rahmatullaev, Director, Information Security Center, Republic of Uzbekistan and Farid Nakhli, Programme Officer, Area Office for CIS.

The workshop was conducted in Russian and English with simultaneous interpretation.

The workshop continued 2 days and was divided in 4 sessions, dedicated to following main topics: role of public policy and international cooperation in cybersecurity; critical information infrastructure protection. Role of CIRTs and cooperation at national level; security aspects of modern telecom networks; security aspects of major emerging technologies: intelligent transport systems, blockchain, connected cars, smart cities; capacity building in the field of cybersecurity. **19 presentations** were delivered.

Also, within the framework of Session 2, dedicated to the issues of protection of critical information infrastructure and the role of CIRT and international cooperation, Mr. Pavel Rodionov, System Engineer Consultant, Cisco, conducted a training for participants on reaction to cyberthreats.

Within the framework of **Session 1** moderated by Mr. Zafar Rahmatullaev and dedicated to the role of public policy and international cooperation in provision of cybersecurity, participants got acquainted with cybersecurity public policy in the Republic of Moldova (presentation by Ms. Natalia Spinu, Head, Cybersecurity Center CERT-GOV-MD) and in Ukraine (presentation by Mr. Yuri Kargapolov, CEO, Ukrainian Numbering, Naming and Addressing Operation Centre). Also, cybersecurity key aspects in the context of IoT were presented by Mr. Eric Barenzung, ITU Expert, France. A presentation by Pavel Rodionov from Cisco covered the issues of practical cybersecurity.

**Session 2**, moderated by Farid Nakhli was dedicated to protection of critical information infrastructure, as well as the role of CIRT and cooperation at the national level. In particular, participants got acquainted with cooperation in the field of cybersecurity at the national level in the

Republic of Moldova (presentation by Natalia Spinu) and in the Republic of Uzbekistan (presentation by

Mr. Uktam Sabirov, Head of Internet Incidents Investigation Division, Information Security Center). Activities of ITU BDT in the field of cybersecurity and the issues of national critical infrastructure were presented by Marwin Ben Rached. Consecution of a cyberattack with practical examples was presented by Pavel Rodionov.

**Session 3**, moderated by Marwin Ben Rached was dedicated to the issues of security in modern telecommunication networks. In particular, satellite industry cyber risks were presented by Eric Barenzung, ITU Expert from France. Marat Fattahov, Director, "Infosystems" Branch, Uzbektelecom acquainted the mission of his company in provision of network security. Solutions in network security and in the security of industrial Internet from Rostelecom were presented by Nikolay Kovtun, Expert, Information Security Systems Implementation and Development Department, Rostelecom.

**Session 4**, moderated by Natalia Spinu and dedicated to the issues of emerging technology security, including intellectual transport systems and smart cities, provided to the participants an opportunity to get acquainted with relevant projects on creation of secure city in Tashkent (presentation by Zafar Rakhmatullaev) and cybersecurity aspects of emerging technologies (presentation by Marwin Ben Rached). Within the framework of the session, participants also got acquainted with the issues of human capacity building in the field of cybersecurity in the Republic of Uzbekistan (presentation by Ms. Durдона Irgasheva, Dean, Faculty of Information Security, Tashkent University of Information Technologies).

Within the framework of closing ceremony, closing remarks were made by Kirill Oparin, who evaluated the completed event as a very useful and fruitful.

In conclusion, participants expressed their sincere thanks to moderators and speakers of the workshop, as well as to the International Telecommunication Union and the Communication Administration of the Republic of Uzbekistan for organization of this topical workshop.

The International Telecommunication Union, in its turn, expresses its gratitude to the Communication Administration of the Republic of Uzbekistan for cooperation in organization and conduction of the event. Also, the ITU appreciates the work done by the speakers and participants for active participation in the discussions.