

Welcoming remark by Heung Youl Youm, Chairman of ITU-T SG17

TSB director, Mr Seizo ONOE, TC307/JWG4 co-convenor Mr Julien Bringer,

Distinguished colleagues and friends,

Good morning, good afternoon, and good evening,

I am Heung Youl Youm, SG17 chairman.

First of all, I sincerely thank Mr Seizo ONOE for giving us his insightful opening remarks and kind words for the workshop.

It is my pleasure and honor to add my welcome remark to this ITU workshop on "DLT security, identity management and privacy".

As you may know, ITU-T SG17 is responsible for building confidence and security in the use of ICTs by producing a set of high-quality technical standards in the area of security and data protection. Providing security by ICTs and ensuring security for ICTs are both major study areas for Study Group 17.

Recently distributed ledger technology has been the buzzword for disruptive innovation with great potential to change our economy, culture and society. DLT enables innovative financial/non-financial decentralized applications that eliminate the need for third party intermediaries. DLT will introduce new data management infrastructure that will accelerate a services revolution in industries (for example, banking and finance, government, healthcare, and super logistics) based on telecommunications.

SG17 has a Question 14/17 on DLT security which was established in 2017. Since then, this Question has developed 10 ITU-T Recommendations:

- **X.1400**, Terms and definitions for distributed ledger technology
- **X.1401**, Security threats of distributed ledger technology
- **X.1402**, Security framework for distributed ledger technology
- **X.1403**, Security guidelines for using distributed ledger technology for decentralized identity management
- **X.1404**, Security assurance for distributed ledger technology
- **X.1405**, Security threats and requirements for digital payment services based

on distributed ledger technology

- **X.1406**, Security threats to online voting system using distributed ledger technology
- **X.1407**, Security requirements for intellectual property management based on distributed ledger technology
- **X.1408**, Security framework for the data access and sharing management system based on the distributed ledger technology
- **X.1409**, Security Services based on Distributed Ledger Technology

The Question is continuing development of 4 Recommendations including:

- **X.1410 (X.sa-dsm)**, Security architecture of data sharing management based on the distributed ledger technology
- **X.sc-dlt**, Security controls for distributed ledger technology
- **X.srcsm-dlt**, Security Requirements for Smart Contract Management based on the distributed ledger technology
- **TR.qs-dlt**, Technical Report: Guidelines for quantum-safe DLT system

Today, the International Telecommunication Union (ITU), with the support of ISO TC 307/JWG 4, is conducting this workshop on DLT security, identity management and privacy. The workshop will be followed by the ITU-T Study Group 17 meeting taking place from 21 February to 3 March 2023.

The objectives of the workshop as developed by steering committee include:

- providing a forum for ISO TC 307/JWG 4 and ITU-T Study Group 17 to each introduce their scope of work and discuss the methodology used to develop their work items;
- showcasing ongoing and published work of Questions 10 and 14 of ITU-T Study Group 17 in the areas of DLT security, identity management and privacy, and for ISO TC 307/JWG 4 to present their published work in these areas; and
- sharing the recent progress made by the industry in the areas of DLT security, identity management and privacy.

I would like to conclude my remarks with the SG17 motto which I have presented at every SG17 meeting since 2017: SAFE, security is absolutely first everywhere. That means that “security by design and usage” principles should be applied to all ICT services and products from the beginning and through the lifecycle of ICT products and applications.

Lastly, I thank Mr Julien Bringer and Mr Salvatore Francomacaro, TC 307/JWG 4 co-convenors, for supporting this workshop. I hope this workshop gives motivation for onward collaboration between SG17 and ISO TC 307/JWG 4.

In addition, I thank the 10 Steering Committee members including TSB event teams, for their excellent support to this event.

I thank in advance the master of ceremony, four session moderators, speakers, and panelists for the insights they bring to the event.

I also thank the 144 pr-registered participants present in person and online from all over the world, and I hope you will find the workshop insightful and useful.

This concludes my remarks. Thank you very much.