Good morning Ladies and Gentlemen,

I am Heung Youl Youm, Chairman of Study Group 17.

I thank Dr. Bilel Jamoussi, Chief, Study Groups Department, ITU-T, for his kind remark for this ITU workshop on advanced cybersecurity attacks and ransomware.

It is a pleasure to add my welcome to you to this ITU workshop. This is the fourth workshop organized by SG17 in this 2017-2020 study period and follows the successful workshop in March 2018 on 5G security.

SG17 is the ITU-T's core competency center on security, attracting many security experts across the world. SG17's work is responsible for building confidence and security in the use of information and communication technologies (ICTs).

Advanced cybersecurity attacks and ransomware are evolving in the cybercrime threat landscape. Advanced cybersecurity attacks refer to all the sophisticated forms of attacks, in particular targeted attacks as well as ransomware which is more than just cybercrime. Ransomware is a type of malware that threatens to release the victim's data or perpetually block access to data unless a ransom is paid to attackers.

Intelligent cyber-attacks are occurring across borders, and are aimed at our real lives and important assets. Global efforts to address these attacks should be coordinated, and ITU-T SG17 will lead comprehensive efforts to provide various technical controls to address such intelligent cyber-attacks.

ITU-T SG17 has been very active to develop high quality technical Recommendations which are implementable by industries. I am proud that we have produced a widely used Recommendation in late 1990, ITU-T X.509 describing concept of Public-key Infrastructure, a key essential technical element which facilitates ensuring security and privacy in a today' highly connected network environment. I strongly believe that security shall be a key element through all stages of lifecycle of ICT applications and services. In addition, cybersecurity has been a top priority in the ITU-T SG17 activities.

The workshop will focus on understanding an advanced cybersecurity attacks and ransomware ecosystem, analyzing how such attacks are conducted and

exploring how such cybersecurity data could be shared among relevant incident response teams to support coordinated or cooperative response to those attacks.

A key focus of the workshop will be to determine how ITU-T Study Group 17 can contribute to further standards collaboration on cybersecurity.

To close my remarks, I express my sincere gratitude to the steering committee members of this ITU workshop on advanced cybersecurity attacks and ransomware.

I also express special thanks to the TSB for their outstanding efforts in supporting and implementing this timely workshop. In addition, I have to thank Ms AnaMaria Meshkurti, TSB Events Secretariat, for her great support during the preparation of this workshop.

I'd also thank our all the distinguish speakers, panelists and session moderators for your support and outstanding work.

I wish all of us an insightful and productive discussion, with ideas that will lead to new implementable security standards for cybersecurity.

Thank you.

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