Good morning, good afternoon, good evening, ladies and gentlemen.

I am Heung Youl Youm, chairman of ITU-T Study Group 17 on security.

First, I thank Mr Chaesub Lee, the director of TSB, and Mr Derek Muneene, Director, AI, Digital Health and Innovations Department, WHO, for their insightful remarks and kind words for this joint ITU/WHO workshop on digital vaccination certificate.

In addition, I thank Mr Noah Luo, Chairman of ITU-T Study Group 16, and Mr Nasser Al Marzouqi, Chairman of ITU-T Study Group 20, who will also give us opening remarks following me.

It is my pleasure to welcome all of you to this workshop which was supported by three ITU-T Study groups, SG17 on security, SG16 on multimedia, SG20 on IoT.

In order to facilitate a re-opening of personal cross-border mobility, the digital COVID certificate can be used to check travelers against necessary criteria and to determine if they are eligible to enter another country.

Digital COVID certificates should be operated in an interoperable manner across countries. It should be designed using both existing technologies such as PKI (public-key infrastructure) defined in ITU-T X.509 standard and emerging technologies such as decentralized identity (DID).

The plan for this joint workshop was approved at our April SG17 meeting. The objectives of this workshop include:

- considering various use cases for digital COVID19 certificates ;
- identifying challenges for implementing and federating these certificates;
- investigating potential collaboration between ITU and WHO in terms of the Digital COVID-19 Certificate;
- sharing on-going activities among relevant groups and international organizations; and
- identifying ways forward for ITU-T and WHO to undertake in the future.

Let me introduce SG17 briefly. ITU-T SG17 is responsible for building confidence and security in the use of information and communication technologies (ICTs). We, ITU-T SG17, are lead

study groups in ITU-T on security and on identify management, which are key baseline technologies for implementing digital COVID vaccination certificates.

Our mission is to provide a set of comprehensive technical standards to address emerging security challenges and threats in ICT environments.

We are currently responsible for 420 approved Recommendations. SG17 has been very dynamic, having added 153 new work items to its work programme in this study period, and has 121 texts under development.

I hope that this joint workshop will identify opportunities for ITU-T SG17/SG16/SG20 to study a digital COVID-19 certificate as soon as possible.

As chairman of ITU-T SG17, I suggest that WHO consider submitting their "Digital Documentation of COVID-19 Certificates: Vaccination Status" to ITU-T for adoption as a ITU-T standard, which can further promote its usage across the world.

The steering committee of this workshop, consisting of 26 members, with active participation of three Study Groups' chairmen, was formed on end of this May and met 6 times, leading to development of this workshop proramme. Therefore, my sincere thanks goes to the steering committee members for their work and devotion.

I express special thanks to the TSB staffs, Ms Gifty Adjo Amoah, Ms Xiaoya Yang and Mr Simao Campos, for their outstanding efforts in supporting and implementing this timely workshop.

I also thank all our nine distinguished speakers, six panelists, and four session moderators for your outstanding contribution in advance.

I wish all of us an insightful and productive discussion, resulting in having opportunity to study user friendly and interoperable digital COVID certificate services.

This concludes my remark. Thank you.