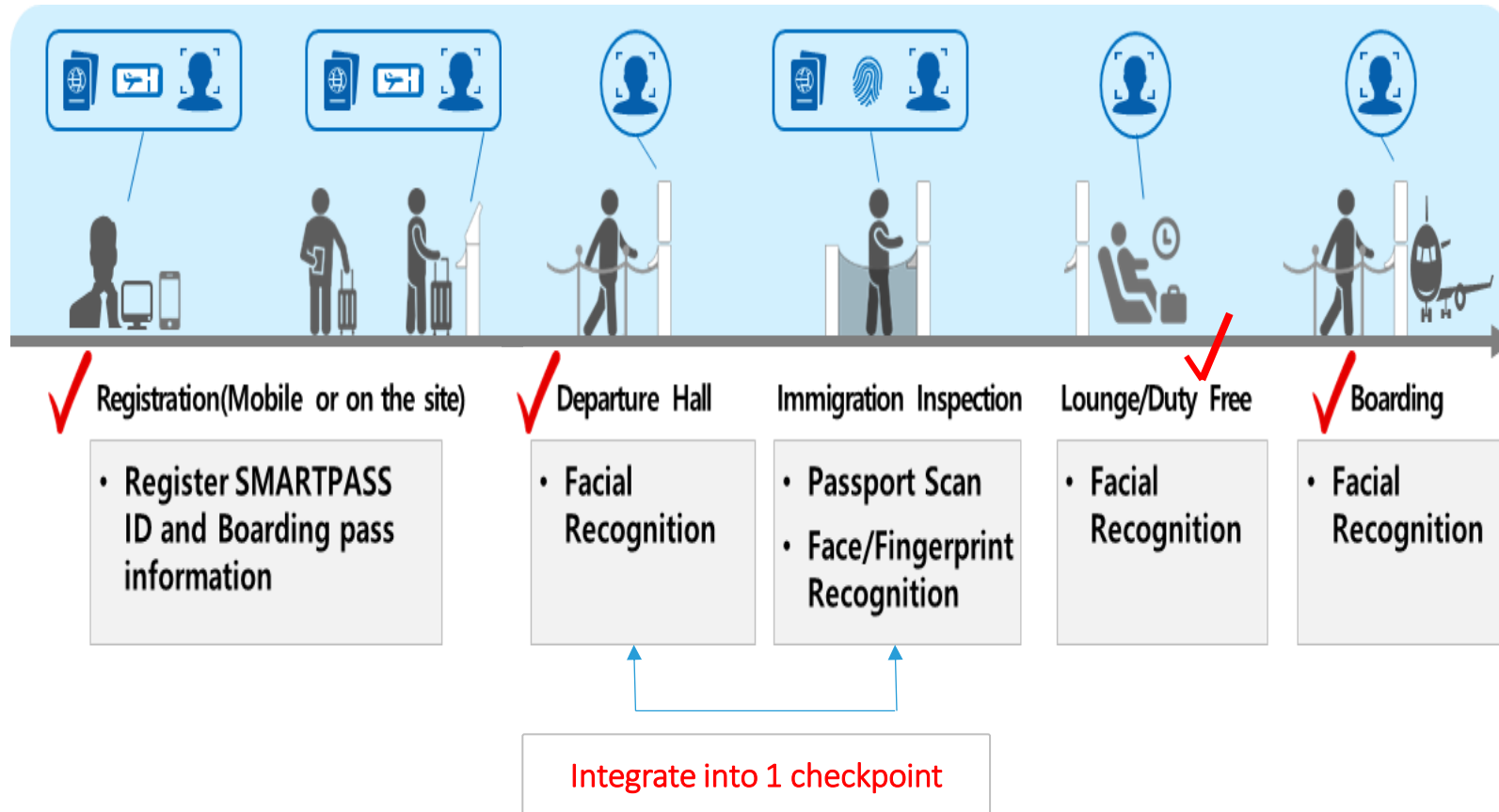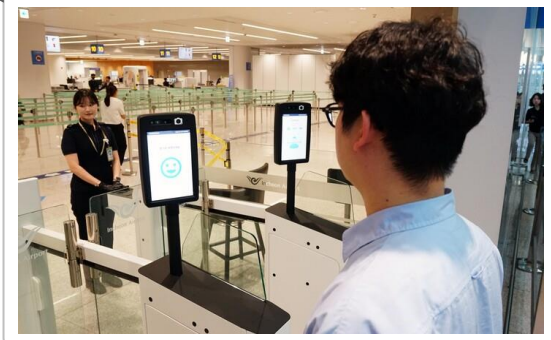# Mr. Soonil Hwang

Deputy Director of Fast Travel Team

Incheon International Airport Corporation

Smart Pass : Seamless Travel based on Biometrics (Facial Recognition)
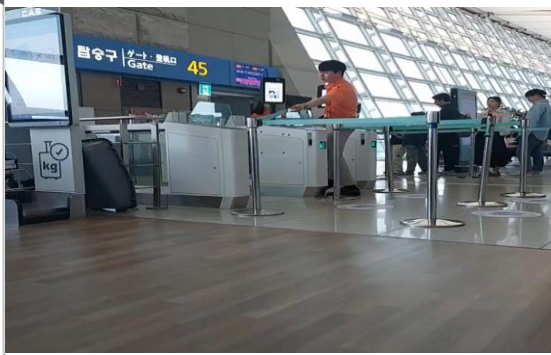
Overview of current Smart Pass

Registration(Mobile or on the site)
- Register SMARTPASS ID and Boarding pass information

Departure Hall
- Facial Recognition

Immigration Inspection
- Passport Scan
- Face/Fingerprint Recognition

Lounge/Duty Free
- Facial Recognition

Boarding
- Facial Recognition

Integrate into 1 checkpoint

SMARTPASS at the Departure Hall

SMARTPASS at the Boarding Gate

Lesson Learned

✓ Collaboration between Airport authority and Stakeholders(Immigration, Airlines) is a key barrier to progress in digital identity.

✓ Immigration Bureau is worried about the misuse of biometric identification by 3rd party & lower level of security standard in 3rd party(vendor, etc.). ➡ Related to Cyber Security

✓ Compliance with international and national regulations could be the obstacles for adopting the contactless journey.

   ex) Foreign carriers misunderstood that Smart Pass might violate the GDPR(privacy issue).

   According to the national regulation, Immigration Bureau shall check if the pax holds the valid passport.

✓ Failure of standardization in biometric identification methods(Facial, Finger Print, Palm Vein) of Korea caused difficulty in integrating the digital identity and adopting the seamless travel.

✓ Pax needs to be convinced of safety and security of biometric technology in order to widely use it. ➡ Related to Cyber Security

Future : Expansion of Smart Pass via DTC or One ID

Overview of Expanded Smart Pass
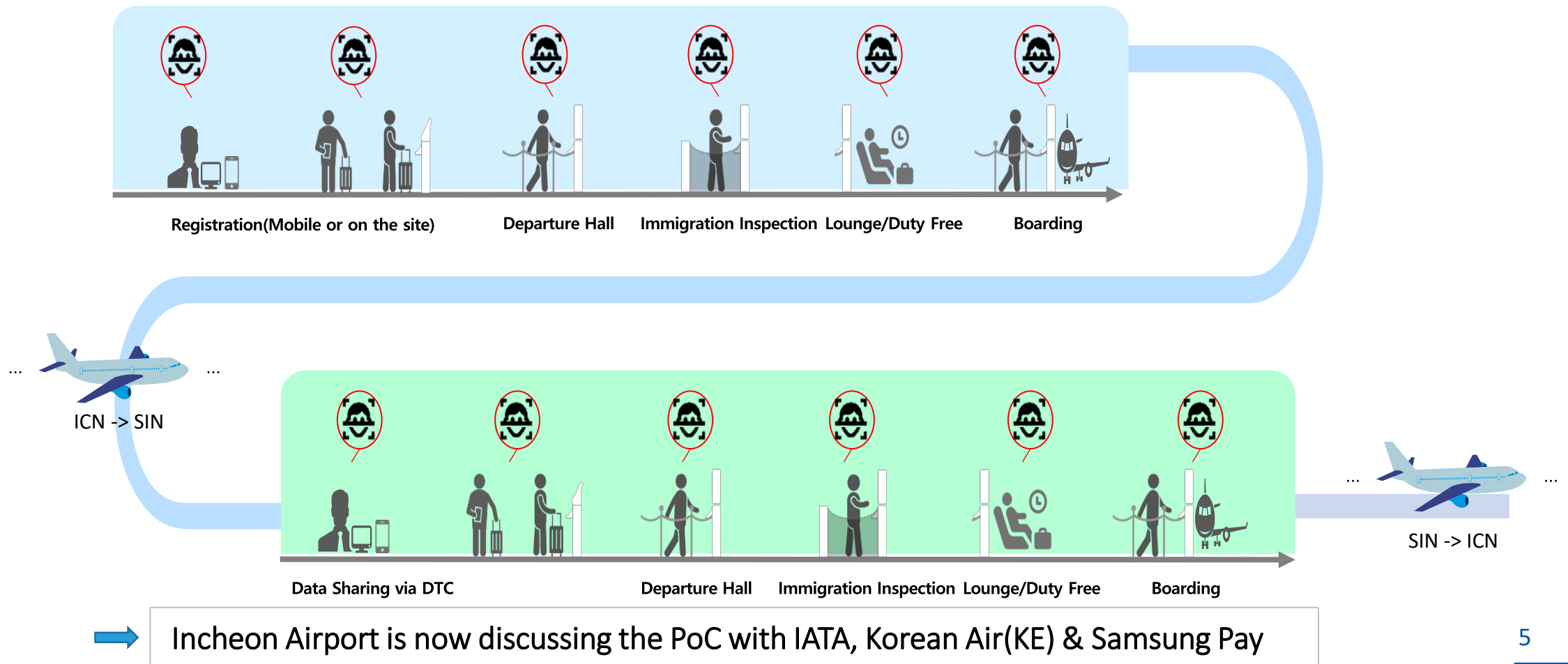
Factors to be considered

- ✓ Clear standard to expand the contactless journey(digital travel)

   ex) ICAO DTC, IATA One ID

- ✓ Interoperability among stakeholders(Government, Airport, Airline, Vendor, etc.) is vital.

- ✓ Different security level or standard among stakeholders may cause cyber security issue.

   ex) physical / technical / managerial security level or standard

- ✓ Compliance with international and national regulations

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Thank You