KISA

ITU-T/WHO Workshop

Korea DID Use Cases And Blockchain Promotion Policy

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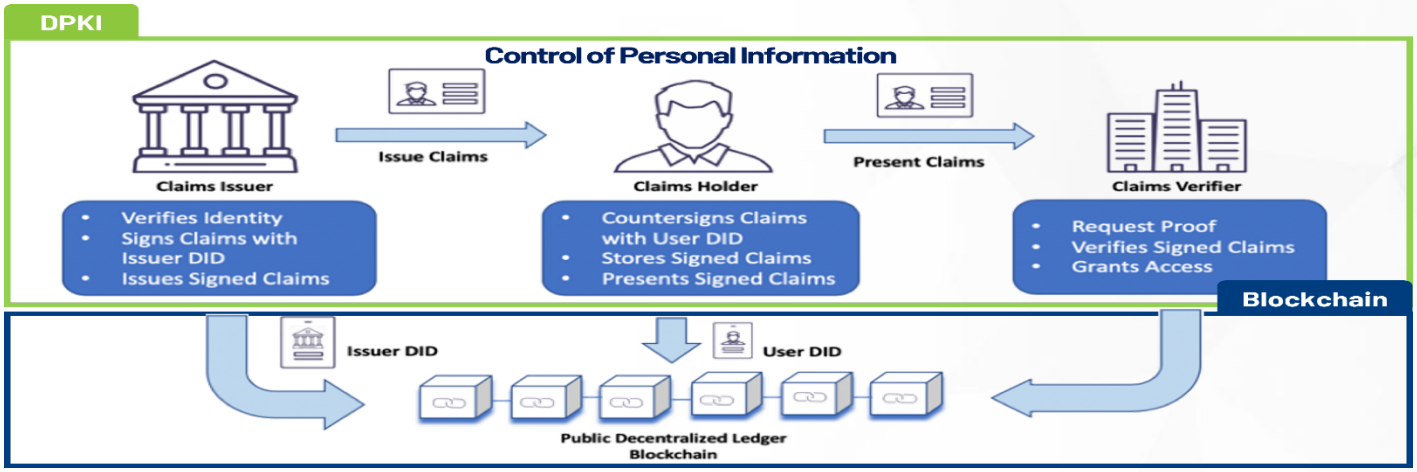
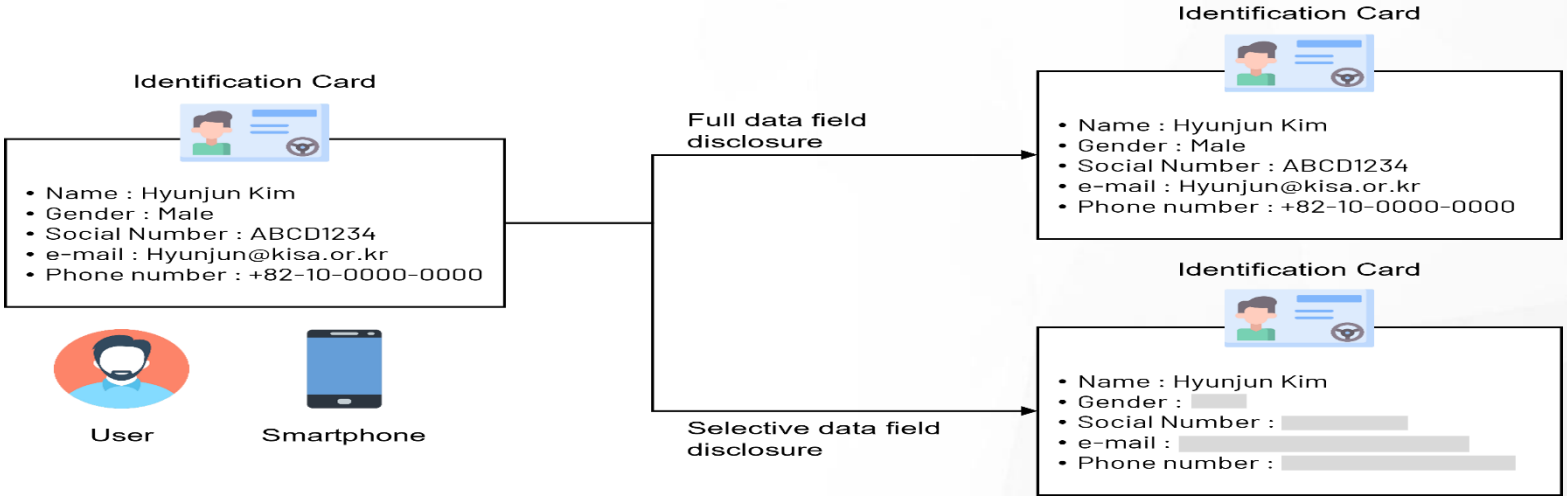
Content of Table

1. Decentralized Identity

1. Overview

- ✓ Transfer of control over **personal information** from the company **to the user**
- ✓ When users prove their identity to the verifier, they can **select** and **disclosure only the least information** they need





2. Use-cases in Korea

1. Mobile Driver's License

Ministry of the Interior and Safety

- This is the best practice in public sector, which is physical driver license card to digitalizing based on DID technology
- This service can be used with biometric authentication
- Users can prove their driver's license and verify their identity untact
- It can be useful in banks such as opening accounts by untact
- The Ministry or Interior and Safety plans to digitalize the national identification card in stages by 2025
- Number or issued : 1.64million

2022 — 2025

Digitalization

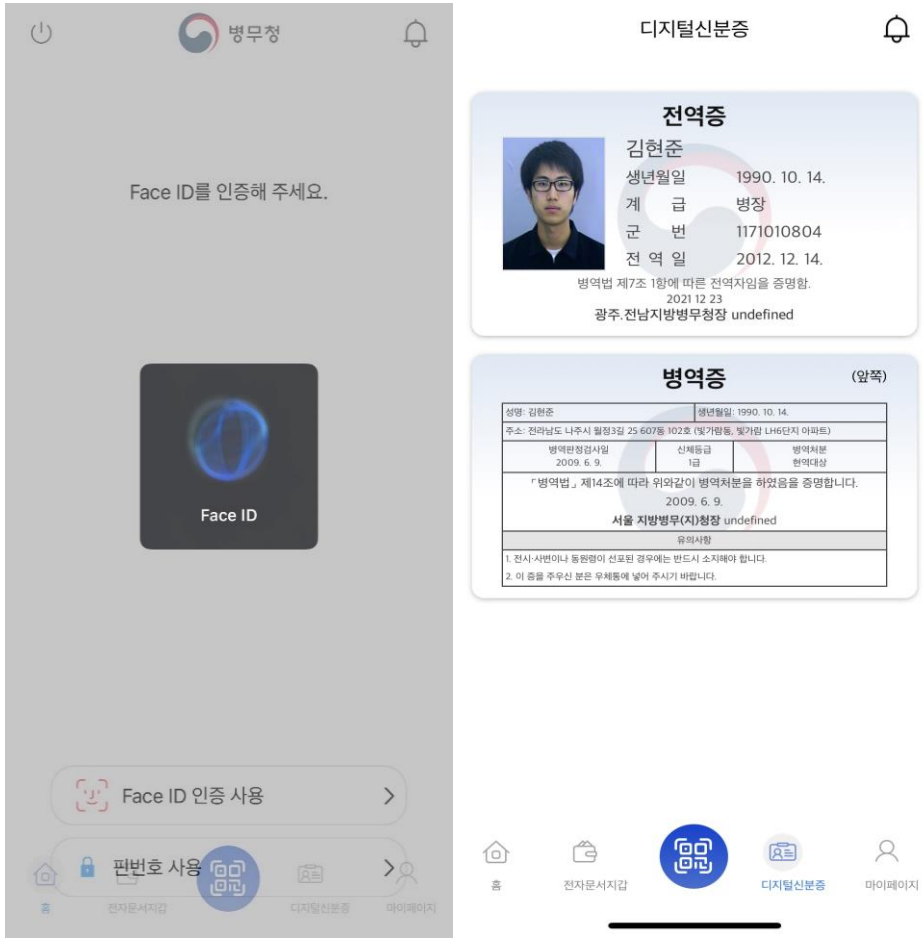
Driver's License

National Identity Card

2. Use-cases in Korea

2. DID-based Simple Authentication Service

Military Manpower Administration

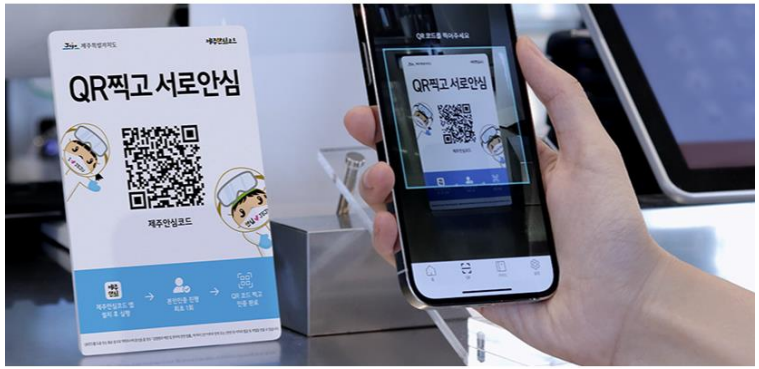


- Decentralized ID(DID) service, makes it easy to log in and perform identification procedures without requiring authorization certificate
- This service can be used with biometric authentication such as faces and fingerprints registered on mobile phones
- Users can obtain certificates such as military service certificates and submit them to the MMA service
- Number or issued : 2.5 million

2. Use-cases in Korea

3. Covid-19 Jeju Safety Code

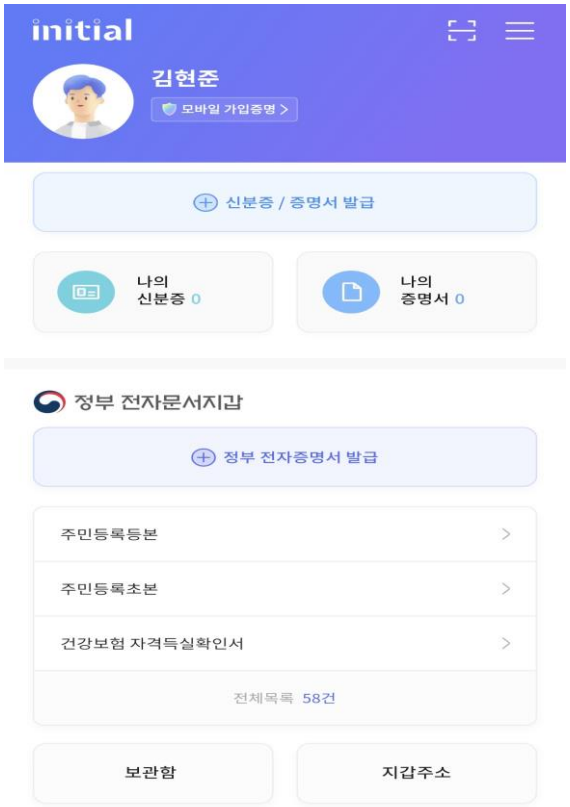
제주특별자치도
Jeju Special Self-Governing Province



- To prevent the spread of COVID-19, Jeju-do province has provided a QR check-in service to check the route of visitors in real time.
- DID technology has been applied to QR check-in service to protect privacy.
- The service allows the user to select and provide only the necessary information from user's information by scanning QR code.
- When a visitor checks in, their location is authenticated, without the restaurant needing to store any of their personal information through DID technology

2. Use-cases in Korea

4. DID-based communication, finance and education services (Private sectior)



- (Communication)
  When using mobile phone damage insurance, it can be issued and submitted to digital wallet such as mobile repair details and receipts

- (Finance)
  By using account information can be submitted a copy of the bankbook and proof of account holding

- (Education)
  University certificate of enrollment and graduate can be issued to digital wallet

3. Blockchain Promotion Policy in Korea

Promotion Strategy

- (2018) Blockchain Technology Development Strategy
- (2020) Blockchain Technology Diffusion Strategy
- (2022) Blockchain Industry Promotion Strategy

Discovery of a mega project for citizens to experience and innovation of laws and systems

Preparation of a standard/development tool for the development of public services

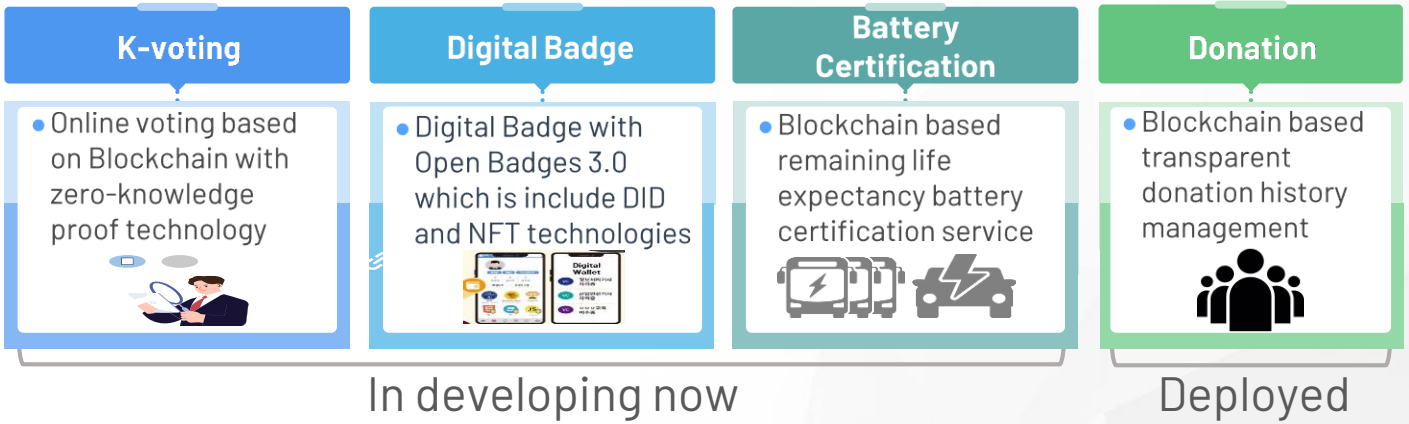
Development and verification of core technology for advancement of industry

Pilot Project

- Driving Blockchain Pilot Projects in the public and private sector

  - 94 projects executed from 2018 to 2023

    (55 in public, 39 in private)



3. Blockchain Promotion Policy in Korea

Policy And Legal

- Revising the Personal Information Protection Act (Including the Act On The Protection And Use Of Location Information) as regulatory improvements in 2022
  - The off-chain method is verified and accepted as a secure destruction method of personal information
- Preparing to enact the Blockchain Industry Promotion Act along with the Establish NFT regulatory innovation road map

Tech

- Blockchain Technology Standardization
  - DID Technology and Standardization Forum (Launched in Sep 2020)
  - Develop NFT's Digital Content Copyright Information Verification Specification Standard
  - Research on DID Trust Anchor and Interoperability technology

Thank You!

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