

# **ID Management System in Korea: Future Strategy for Informatization and Privacy**

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**Kuk-Hwan Jeong**

Korea Information Society Development Institute (KISDI)

**E-Government and National ID System**

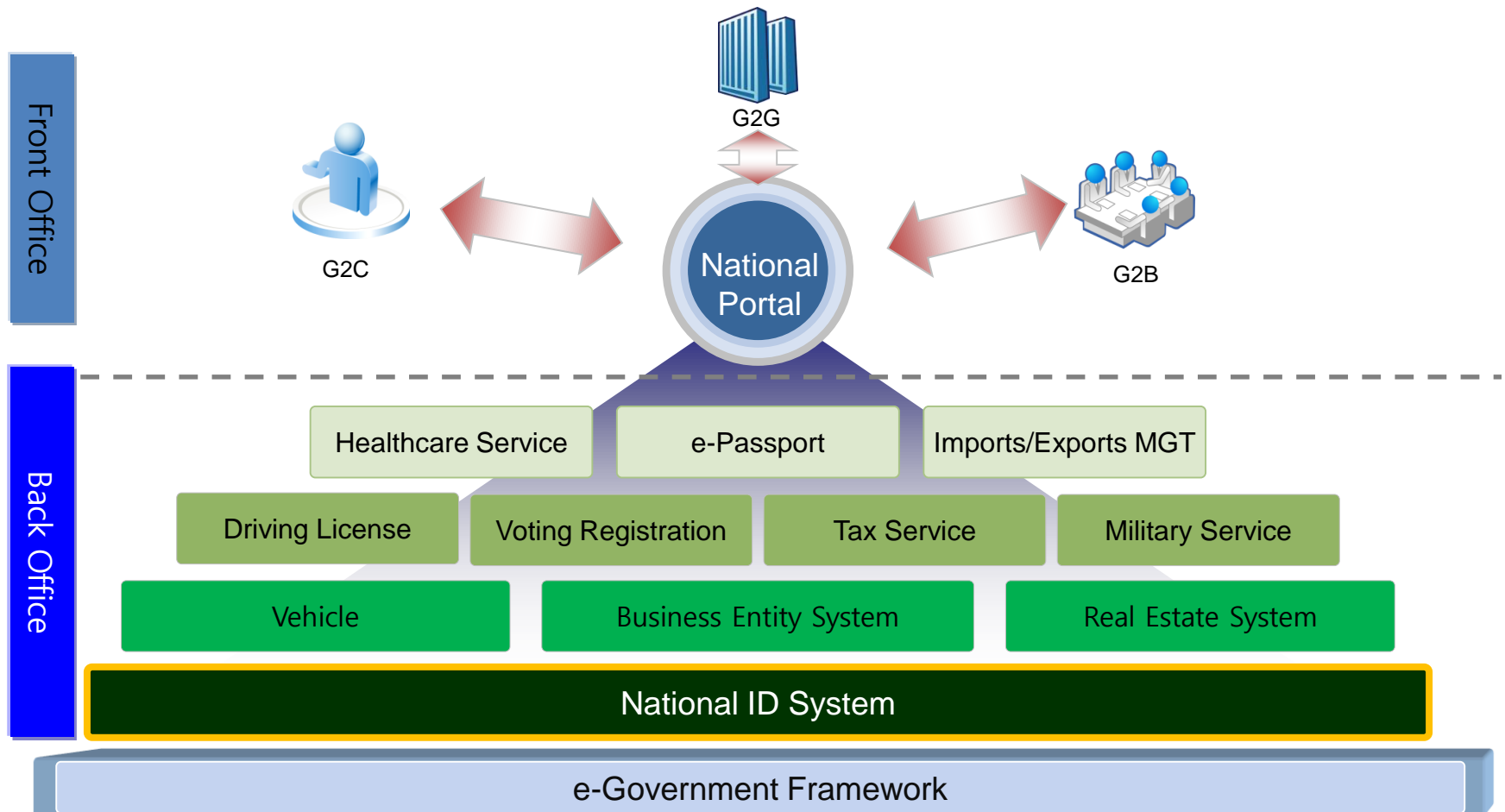
**National ID Number System**

**Challenges and Delicate Issues**

**Strategy for the New ID System**

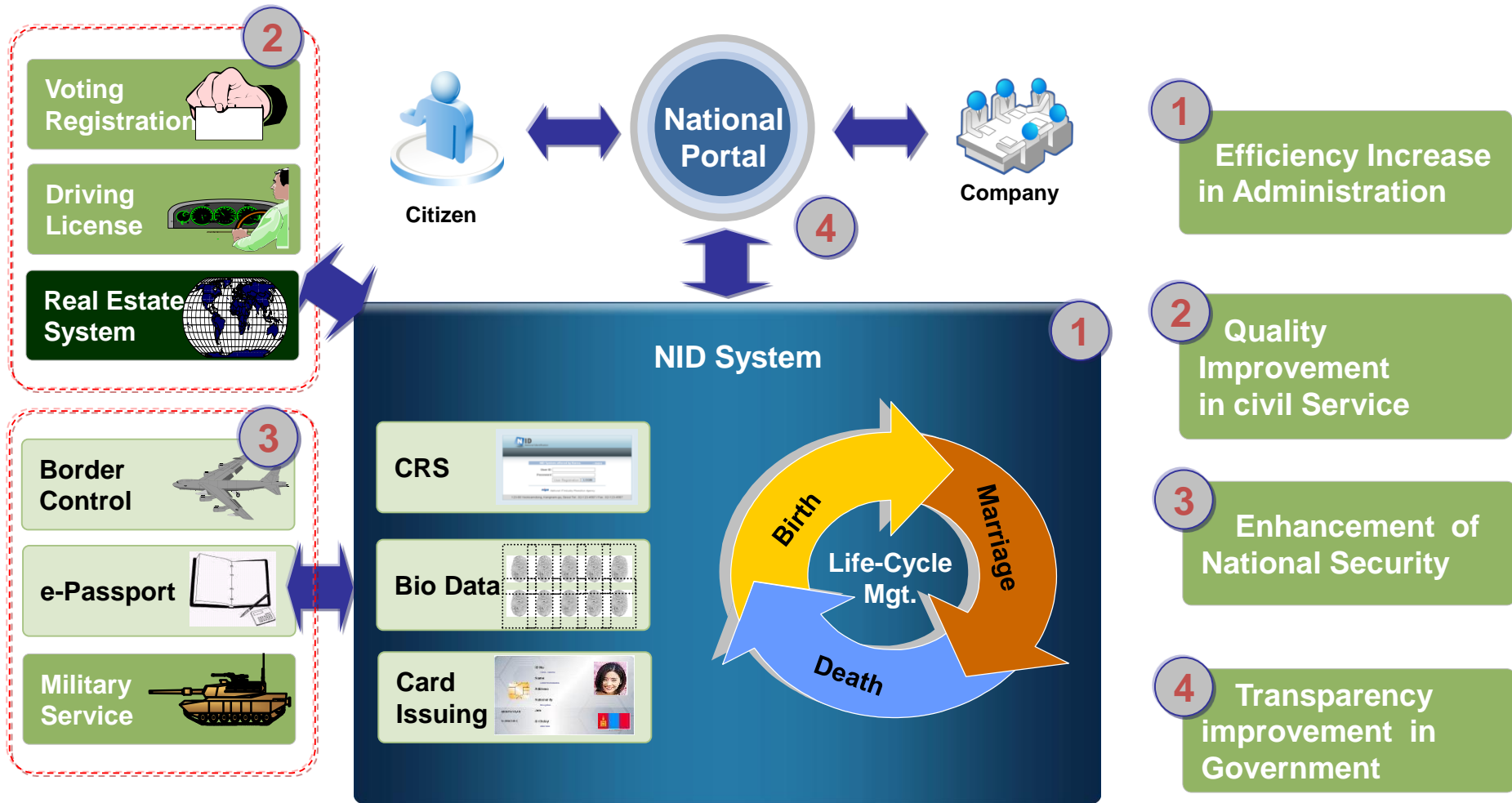
# E-Government & National ID system

- The purpose of e-Government is to improve the quality of citizen's life and national competitiveness through informatization. It will provide clear and efficient administration to government and convenient public services to the citizen and company.



# E-Government & National ID system

- NID system becomes the basic and fundamental administration system for citizen's welfare and national prosperity as well as the basis of national information system



# National ID Number System

## Brief

- **Born in 1968 for National Security and Convenience of Public Administration**
- **13-digit Number unique to every single citizen for his/her lifetime**
- **Key to sharing information on every single citizen in e-government system**

# National ID Number System

## Structure

- **First 6 Digits: Birth Date(yy-mm-dd)**
- **7<sup>th</sup> digit: “1” for Male, “2” for Female**
- **Next 4 digits: ID Number for Local Office Registering Birth Record**
- **12<sup>th</sup> digit: Order of Registration at the same date**
- **13<sup>th</sup> digit: Verifying Number**

# Challenges and Delicate Issues

## Challenges

- **Containing Critical Private Information(Age, Birth Place)**
- **Sources of Discrimination, Possibility of Violating the Constitution**
- **Once Abused, No Chance to Fix for Lifetime**
- **Key to Personal Information on Citizenship, Financial Assets, Ownership of Real Estates and Vehicles, etc.**
- **Information on Citizenship is the most frequently requested.**

# Challenges and Delicate Issues

## Delicate Issues

- **Information Systems in the Public and Private Sectors Rely on the ID Number**
- **Big Contribution to the Current Status of Informatization in Korea**
- **As IT applications deepen, Probability of privacy attack and financial loss heightens.**
- **Change in the ID system costs beyond imagination.**
- **Privacy Paradox**



# Challenges and Delicate Issues

## Privacy Paradox

- Divergence between stated and revealed preferences on privacy
- People cherish the privacy, and they inconsistently divulge many things about themselves on the Web, mobile devices, and navigators.
- Requires smart strategy in designing new ID system for privacy protection

# Strategy for the New ID System

## Why current Structure of ID Number System?

- No insight into the theoretical and mathematical structure of the code
- No recognition on the risk of privacy infringement
- No expectation on the power of informatization impact
- To obtain simple information on age, gender, etc. for the sake of efficiency of public administrations

# Strategy for the New ID System

## Elements Reconsidered

- Prepare philosophical and theoretical background of “identity”
- Consider the cost of updating the national IT system
- Remove information on personal attributes from the code
- Provide citizen with the opportunity to choose the ID number
- Open the possibility of changing the ID number for the case

# Strategy for the New ID System

## New ID system under consideration

- **Modifying the current numbering system or Recreating?**
- **Numbers in regular pattern or at random?**

[ Thank you ]