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MINISTRY OF POST AND TELECOMMUNICATIONS

Cambodia Digital Identity

A Policy Perspective

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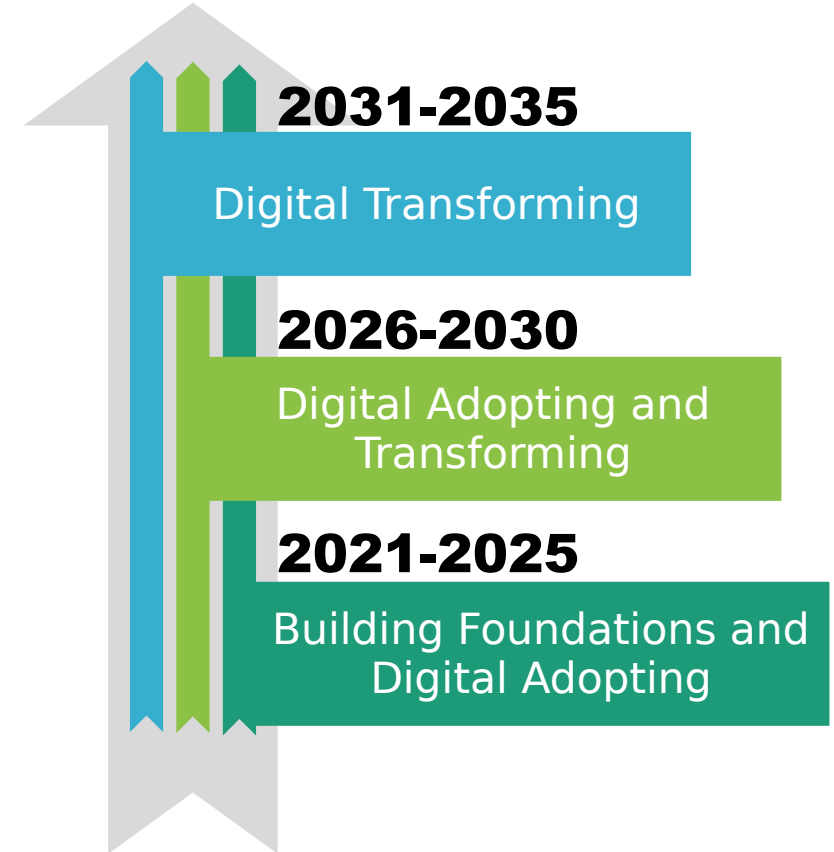
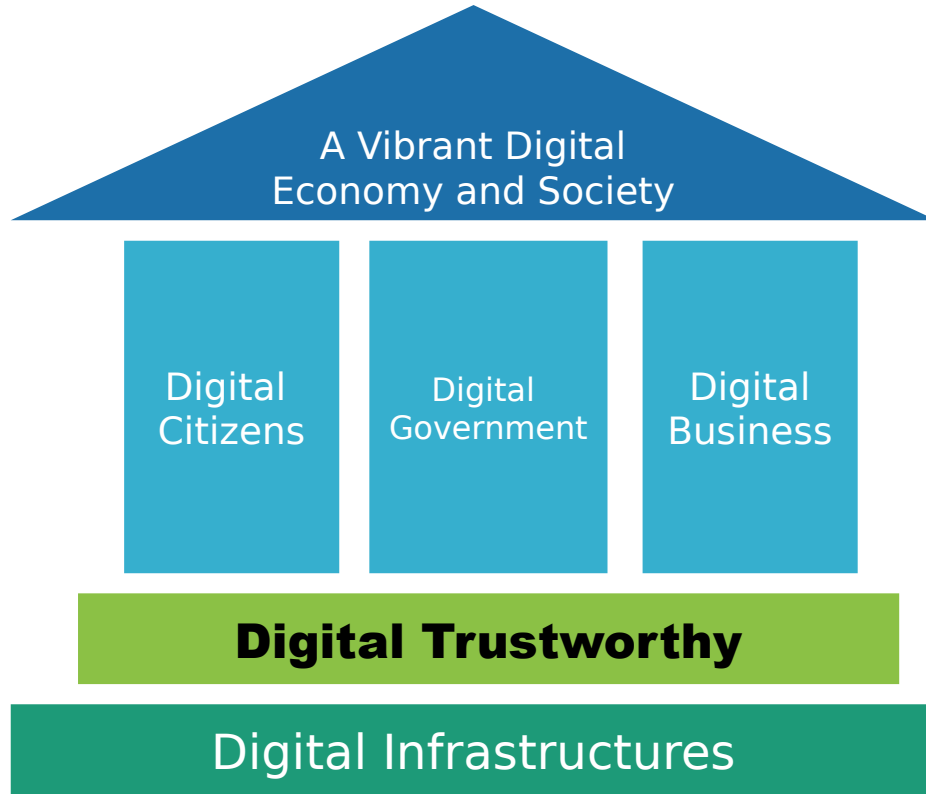
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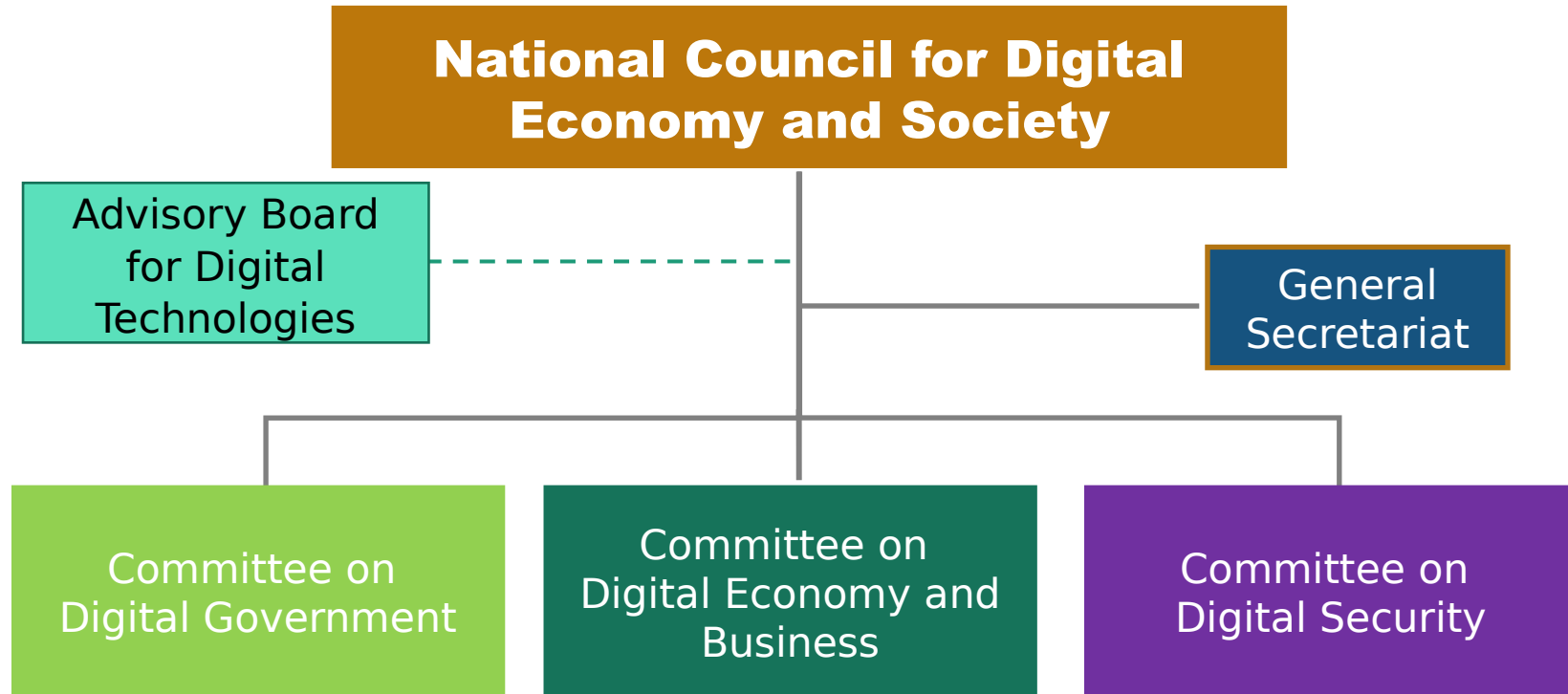
05 September 2022

Cambodia Digital Economy and Society Policy Framework 2021-2035

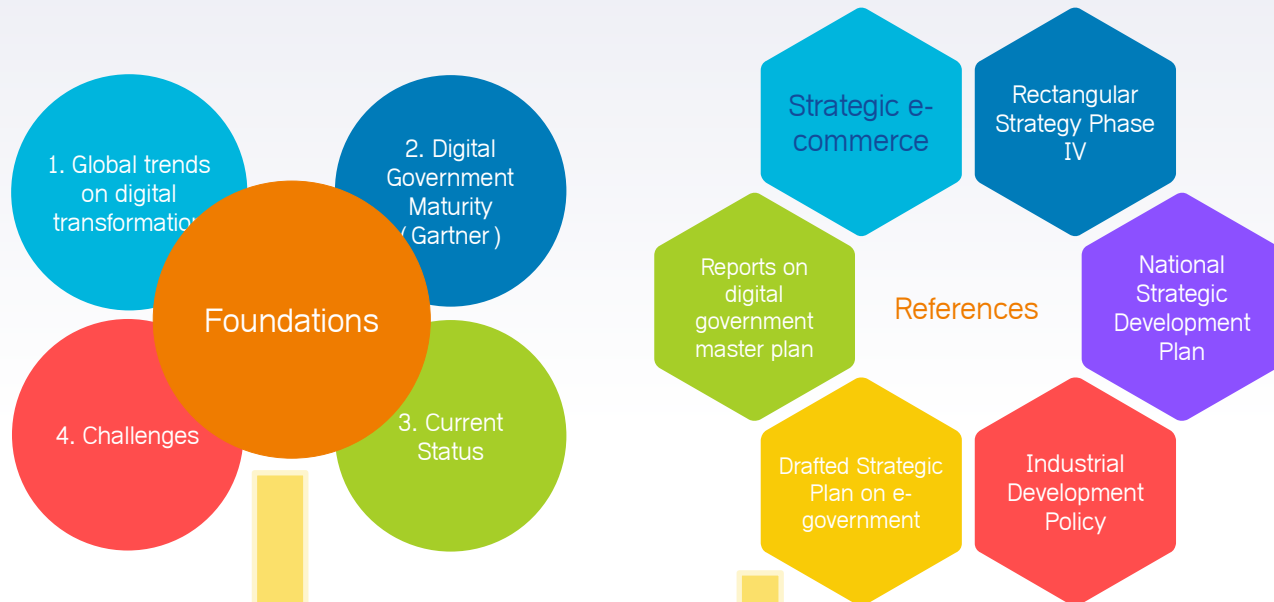
Principles



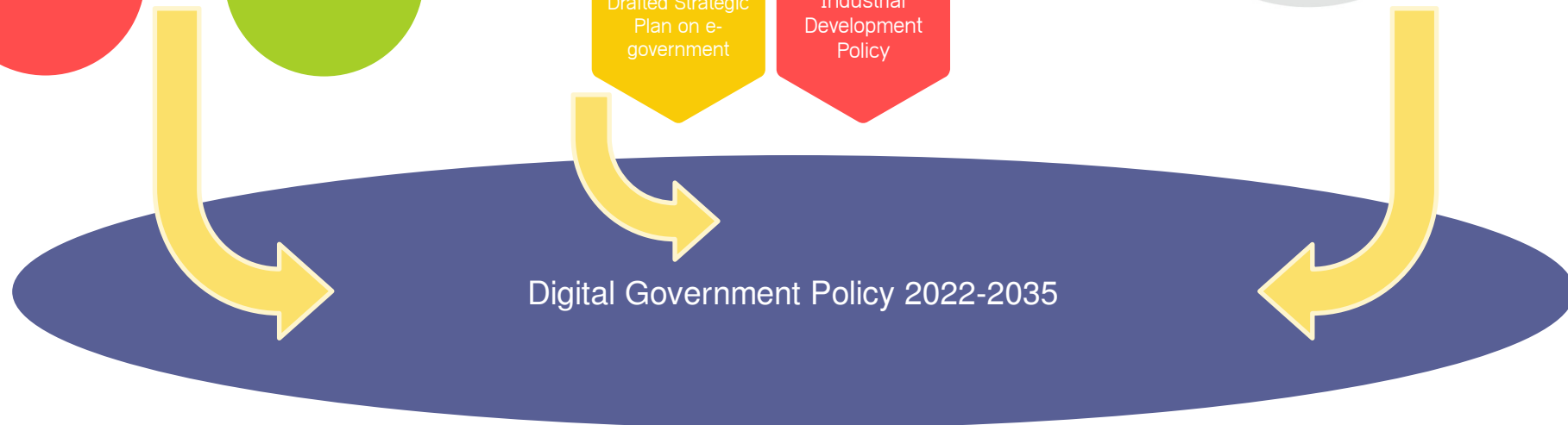
Facilitating Bodies



Cambodia Digital Government Policy 2022-2035



Digital Economy and Society Policy Framework 2021-2035



Cambodia Digital Government Policy 2022-2035



Vision

Building digital government to improve the people's quality of life and build trust among the people through better public service provision



Goal

To build a smart government based on the use of digital infrastructure and technologies as an ecosystem to modernize the governance system, reform various sectors with inclusiveness, trust, and confidence while creating a favorable atmosphere for the promotion of digital economy and society



Objectives

Digital government infrastructure

Digital governance and public services

Human capital and digital innovations

Public and private partnership



Strategies

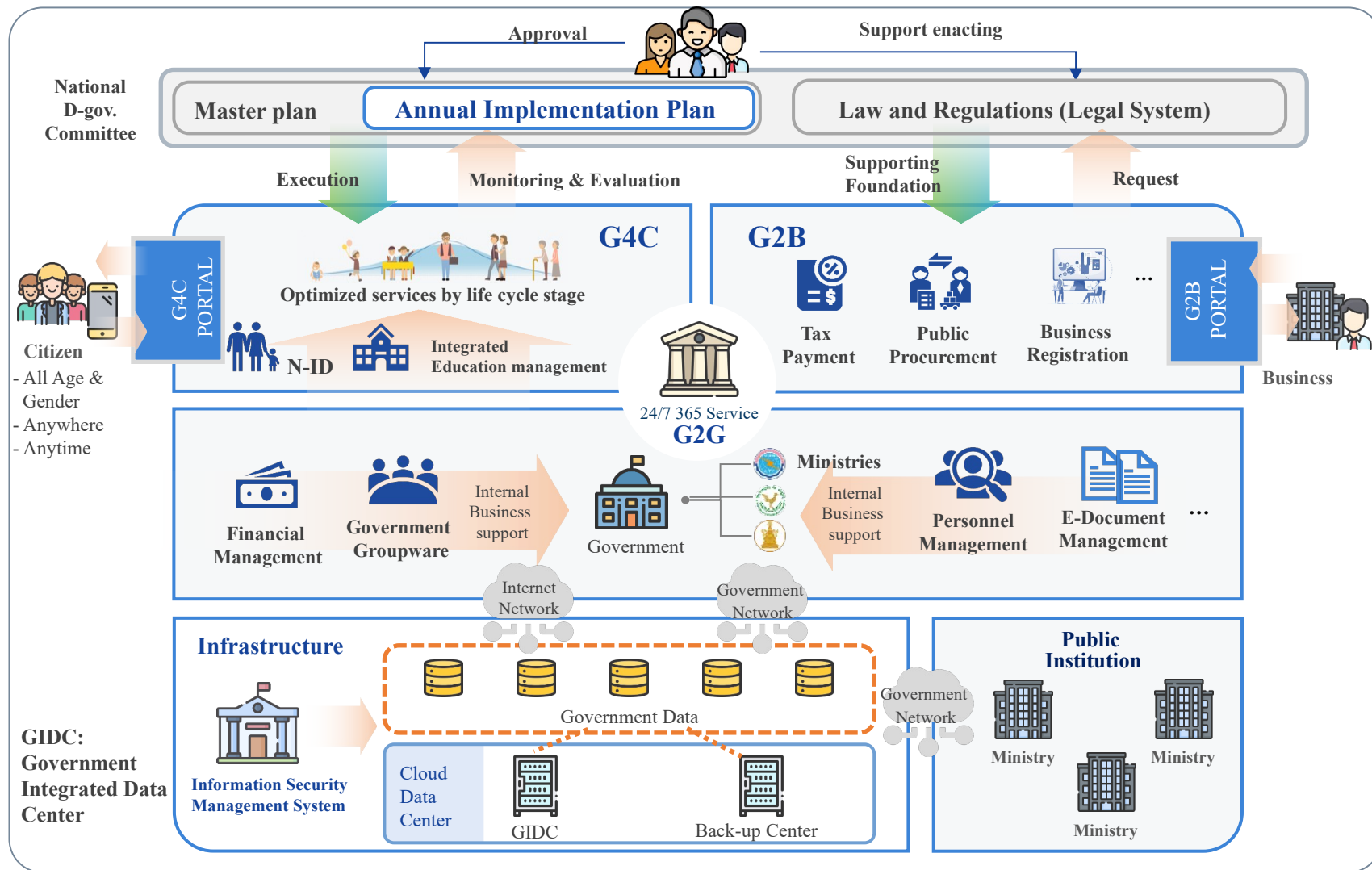
4 Strategies
11 action plans

2 Strategies
52 action plans

2 Strategies
15 action plans

2 Strategies
5 action plans

Committee on Digital Government



Priority Projects

Digital Government Infrastructure

- Establish cloud-based national data center
- Improve the digital government network infrastructure
- Strengthen and expand Cambodia Data Exchange (CamDX)
- Strengthen the cybersecurity management and protection system for the national information infrastructure
- **Develop and strengthen digital identity infrastructure**

Digital Governance and Public Services

- Formulate data governance policy, open data policy and software promotion policy
- Formulate law on digital government, law on access to information, law on privacy and data protection, law on cybersecurity and law data security
- Develop standards on:
 - Digital government services
 - Software engineering and information technology
 - Cybersecurity
 - Smart cities and
 - Data centers
- Re-engineer government processes and develop government enterprise architecture
- Develop and improve administrative collaboration platform
- Develop one window service platform and digital public services

Digital Healthcare Architecture

Citizens &
Private
Hospitals

Portal for facility Dashboards with vital information for public

Application
/PlatformsMarketplace

COVID-19

QR Code

Quarantine

Vaccine Record

Tele Health

Vaccine
Certificate

Contact
Tracing

Government-Led

Health Certification
Application

Govt Digital Notarization

Govt-Where Facilities
Locate

Supply App

Local/Global/Foreign Enterprise-Led

IATA App

Pharmacy Delivery

Pathology Lab Test booking

Health hygiene Products

Healthcare Startup

Pre-natal Health Care

Chronic disease

Health Wellness App

Digital
Healthcare
Services

Digitalized Healthcare Facilities & Services

COVID-19 Hospital and Facilities

Government Health
Facilities

Private Health
Facilities

Logistic Facilities

National Lap

Digital
Healthcare
Platform

Digital Healthcare Infrastructure & Services

Hospital/ Clinic Information Management System (IMS)

Data Lake / Warehouse

Data Management / Governance

Interoperability Technology

Healthcare Exchange platform

Government Datacenter/Government Cloud Infrastructure

Phase 1

Phase 2

Phase 3

Smart City and Digital Technology Park

- Smart City
 - Smart city policy and framework
 - Smart city standards (ISO/IEC)
 - Smart city platform (FIWARE)
 - Smart city applications (smart governance and smart tourism)
- Digital Technology Park (DTP) Development
 - DTP Action Plan
 - DTP Standards

Digital Identity

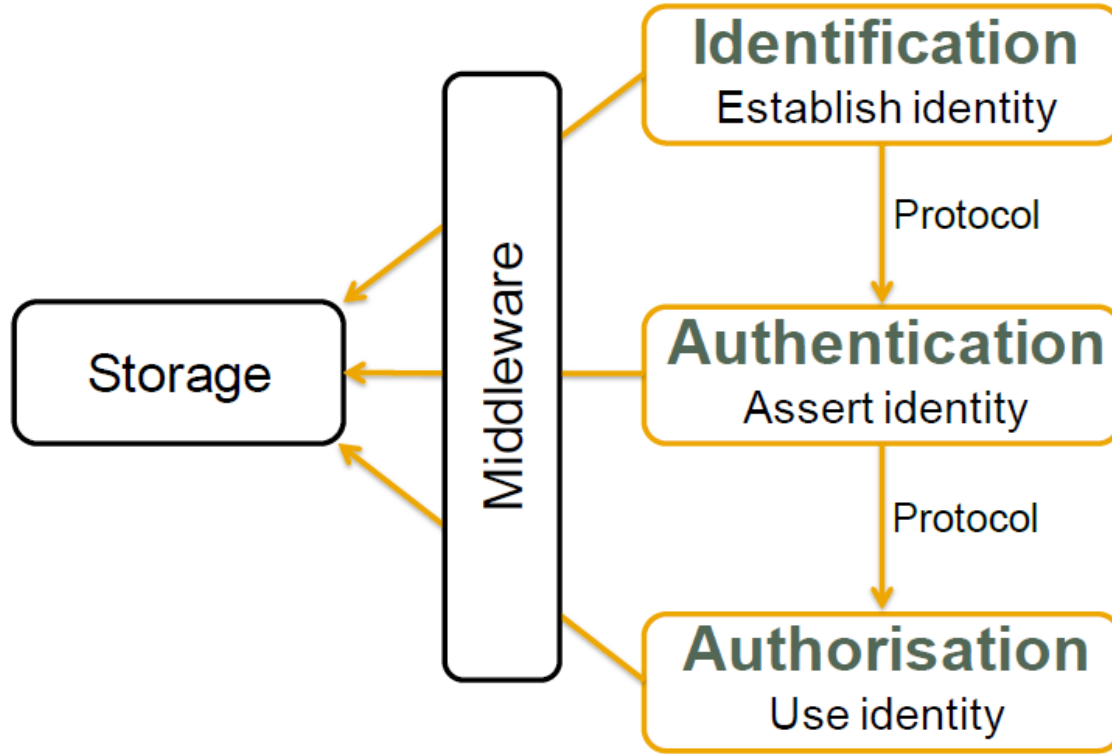
Definition of Digital Identity

- The digital version of a person's physical identity, the digital representation of the individual.
- A representation of an entity in the form of one or more attributes that allow the entity or entities to be sufficiently distinguished within context – **ITU**.
- An item inside or outside an information and communication technology system, such as a person, an organization, a device, a subsystem, or a group of such items that has a recognizably distinct existence – **ISO**.
- A collection of individual attributes that describe an entity and determine the transactions in which that entity can participate – **WEF**.

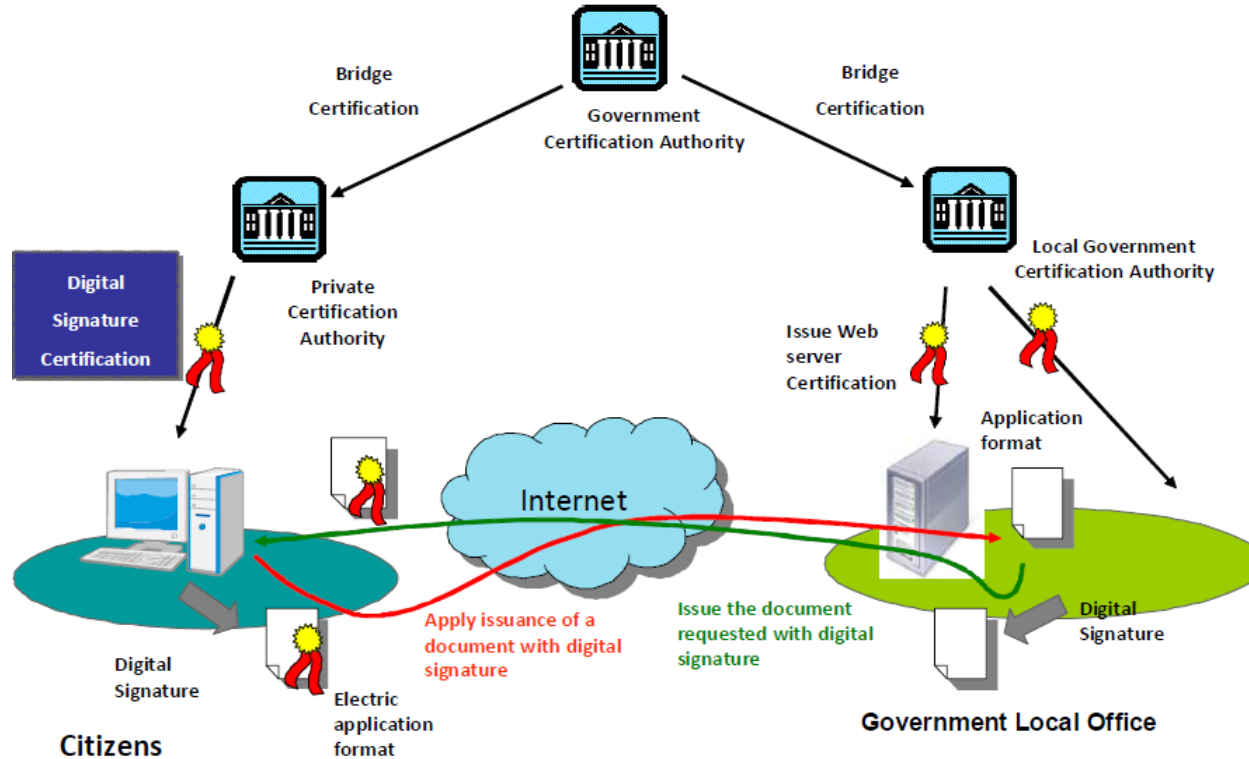
Digital Identity Ecosystem

- **Digital Identity Ecosystem Framework** – Policy, law and regulation, roles and responsibilities, processes, standards, risk mode, privacy management framework, and national security framework.
- **Digital Identity Management System** – Identity credential, platform, access, operation and control.
- **Digital Identity Stakeholders** – Government, private sector, citizens, infrastructure providers, identity providers, identity intermediary, judiciary and relying parties (RPs).

Digital Identity Technology Perspective



Public Key Infrastructure





THANK YOU