

INF9 – ID & Democracy

Identification Systems in Democratic Citizen orientated processes

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Leading social value

Provides telecommunications, IT and Enterprise business solutions

- Around **98,726** employees worldwide
 - **USD 25.2 billion** net sales
 - **217** consolidated subsidiaries
 - Headquarters: **Tokyo, Japan**
 - **119** years of brand success
- World's Top 100 **Most Innovative Organizations**
 - **Fortune Global 500** company

* World's Top 100 Most Innovative Organizations for 2013
(Thomson Reuters)

Business Segments

Solutions



For Public

- Airport Solution
- Disaster Prevention
- Railway Solution
- Security Solution
- Smart City, Stadium Solution
- Space System

For Telecom carriers

- Mobile Backhaul
- Broadband Wireless Access
- M2M
- Operation & Management System
- Submarine System

For Enterprises

- Industry Solutions
- Automotive
- Education
- Finance
- Healthcare
- Hospitality
- Manufacturing
- Retail

For Smart Solutions

- Energy Management System
- Electric Vehicle (EV) Charging Infrastructure
- Energy Storage System
- Water Management System

Solution Topics

Big Data

Cloud

SDN

Common Platform

Server/Storage Unified Communications Display

Does IDENTITY play a role in DEMOCRACY?

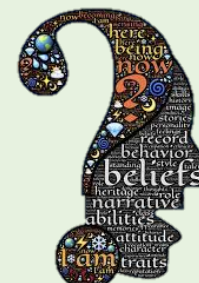


Does IDENTITY play a role in DEMOCRACY?

Understanding the terms

IDENTITY

Related to Democracy & Nationalism IDENTITY is understood as:



“ A sense of a nation as a cohesive whole, as represented by distinctive traditions, culture, and language. ” – Oxford

Among others - It is what separates the people of one country from another – and in more modern terms, their Citizenship

IDENTITY and therefore **Citizenship** within a particular country need to be unique, secure and verifiable to protect Nationalism

DEMOCRACY

DEMOCRACY
OF THE PEOPLE BY THE PEOPLE FOR THE PEOPLE

“A system of government by the whole population or all the eligible members of a state, typically through elected representatives” - Oxford.

It is a system of Government by the People

Eligibility in the modern era cannot be merely assumed but needs to be proven and verifiable through IDENTITY

You need to prove you are one of the “People” and you are eligible

Does IDENTITY play a role in DEMOCRACY?



DEMOCRACY and
IDENTITY are linked to
one-another



A **DEMOCRACY** cannot be held to be true if those taking part in the process cannot be identified and verified as eligible to take part in the **DEMOCRATIC** processes

Otherwise anyone could claim their eligibility

DEMOCRACY would either not occur or would be lost over time

Identity and the ability to Identify/verify Citizens plays a crucial role in democracy

IDENTITY and IDENTITY Systems

First passport issued in 1414, but photographic identification did not become widely used until the early 20th century

National ID Systems

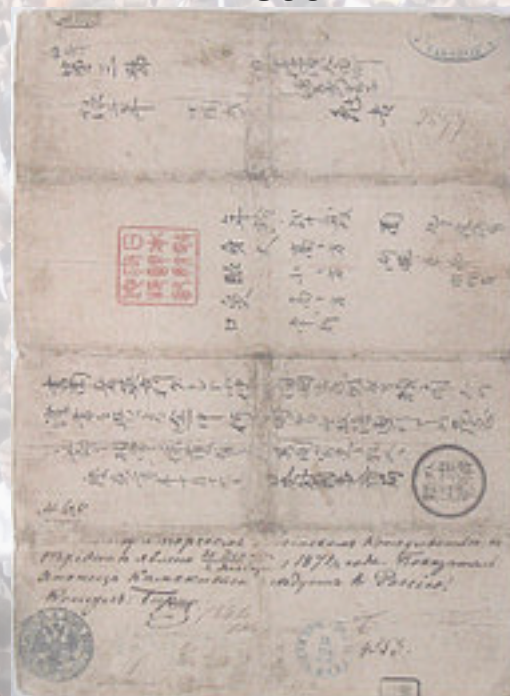


Major Challenges

Costs and Complexity often beyond the ability of Government departments

Country wide collection of biometric data is a hugely challenging and expensive exercise
Amounts of data are massive

First Japanese Passport - 1866

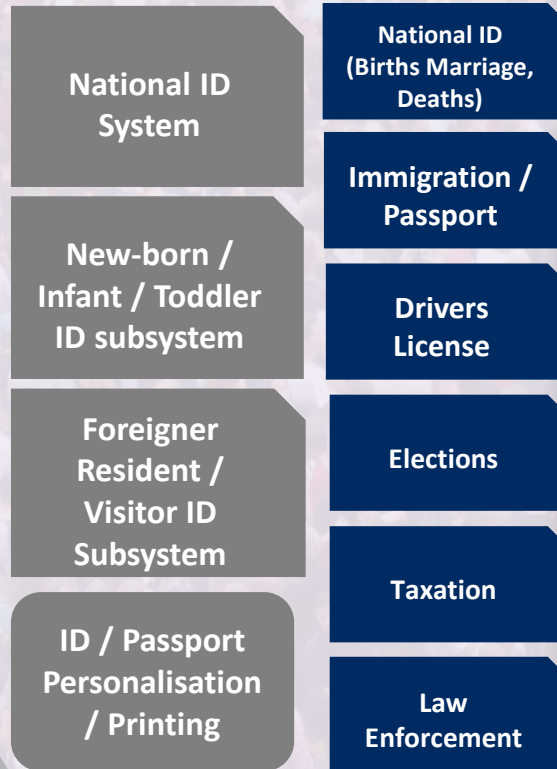


Consolidated Governmental Systems for Identity

Data collected in large Governmental systems is too large for legacy non-computerised systems – Automated Fingerprint Identification Systems or Automated Biometric Identification Systems important to effective daily operations



National ID System with Consolidated Data



Governmental Services



Consolidated Governmental Systems – Major Challenges

Overcoming major challenges – Affordability & Sustainability, Complexity

Identity Systems can be a Governmental Revenue Earner



Most Governments housing Biometric data do not use to generate revenue effectively:

- **Banking sector**
- **Drivers licenses**
- **Criminal record checks**
- **Passport issuance**
- **SIM card registration**



Revenue generators allow better for PPP & Build Operate models - moving operations and complexity to the private sector

Effective Identity Services bolster Democracy

Consolidated Governmental Systems – Major Challenges

Overcoming major challenges – Data Collection

Identity Systems with services impacting the private sector can assist with data collection (registration into Government systems) and ongoing cleansing & overall efficacy:

- **Banking sector**
- **Drivers licenses**
- **Criminal record checks**
- **Passport issuance**
- **SIM card registration**



Touch points with Citizenry is increased through the Private sector

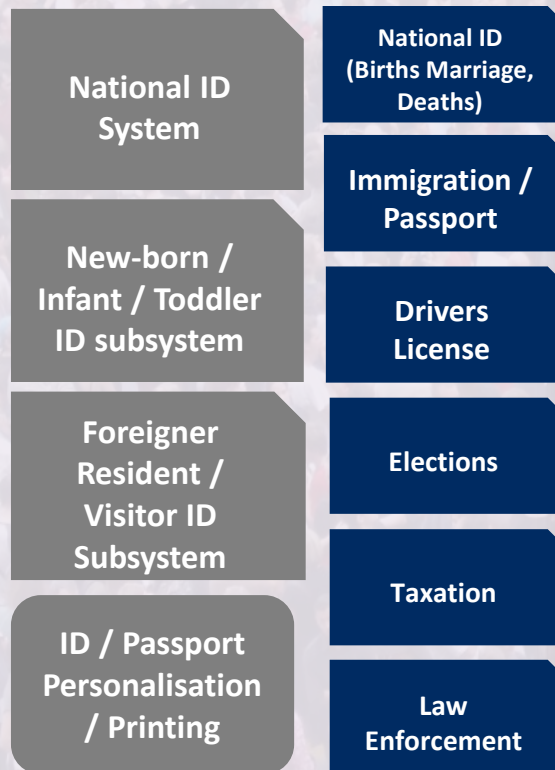
Private sector services are protected from fraud and theft

Election Systems

National elections can be used as a driver for data collection as well as to ensure only eligible persons vote in cases where Biometric data is already collected



National ID System with Consolidated Data



Governmental Services



Democracy is complex– there is little consensus as to its true definition

Democracy is delicate and vulnerable – especially considering the potential reward in leading a Government

One of the best ways to protect Democracy and make it less vulnerable is through the **Identification** of those taking part

Identity can be as complex as **Democracy** – However the collective National rewards for this ability can not only protect **Democracy** where elections are concerned but offer protection to Public and Private sector services – enhancing **Democracy**



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