Strong evidence of identity:

the key to secure passport

issuance

Yolanda Varuhaki, Marketing Director for Identity
April 27th, 2017

Agenda
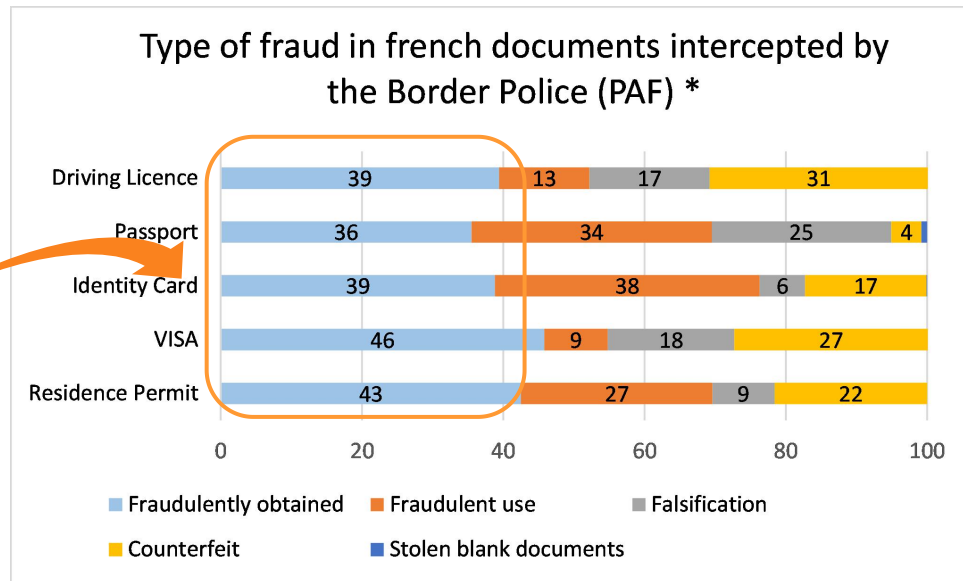
✖ Introduction

✖ ORIGINS – European project

✖ Evidence of Identity for passport issuance

✖ Best practices

   ✖ Passport application process

   ✖ Breeder document issuance

gemalto

Passport security chain is as secure as its weakest link

✖ Passport document : high level of security

✖ Centralised and secure issuance process

✖ What about the evidence of identity provided during application process?

Breeder document fraud is impacting all documents

- ✖ VISAs, Resident Permit, Driving Licence, Passeport, Identity Card

- ✖ 36-46% of identity document fraud is due to breeder documents

- ✖ Birth certificate is a common target for fraudsters**

Type of fraud in french documents intercepted by the Border Police (PAF) *

Document	Fraudulently obtained	Fraudulent use	Falsification	Counterfeit	Stolen blank documents
Driving Licence	39	13	17	31	
Passport	36	34	25		4
Identity Card	39	38	6	17	
VISA	46	9	18	27	
Residence Permit	43	27	9	22	

Legend:
- ■ Fraudulently obtained
- ■ Fraudulent use
- ■ Falsification
- ■ Counterfeit
- ■ Stolen blank documents

* Source : Rapport 2014 ONDRP, la criminalité en France, DGPN, DCPAF-fichier PAFISA

* * Source: N°1967 annexe 2 - Rapport de M. Marc Le Fur sur le projet de loi de finances pour 2010 – Administration générale et territoriale de l'Etat

gemalto

ICAO Guidelines: how to set confidence in a person's identity

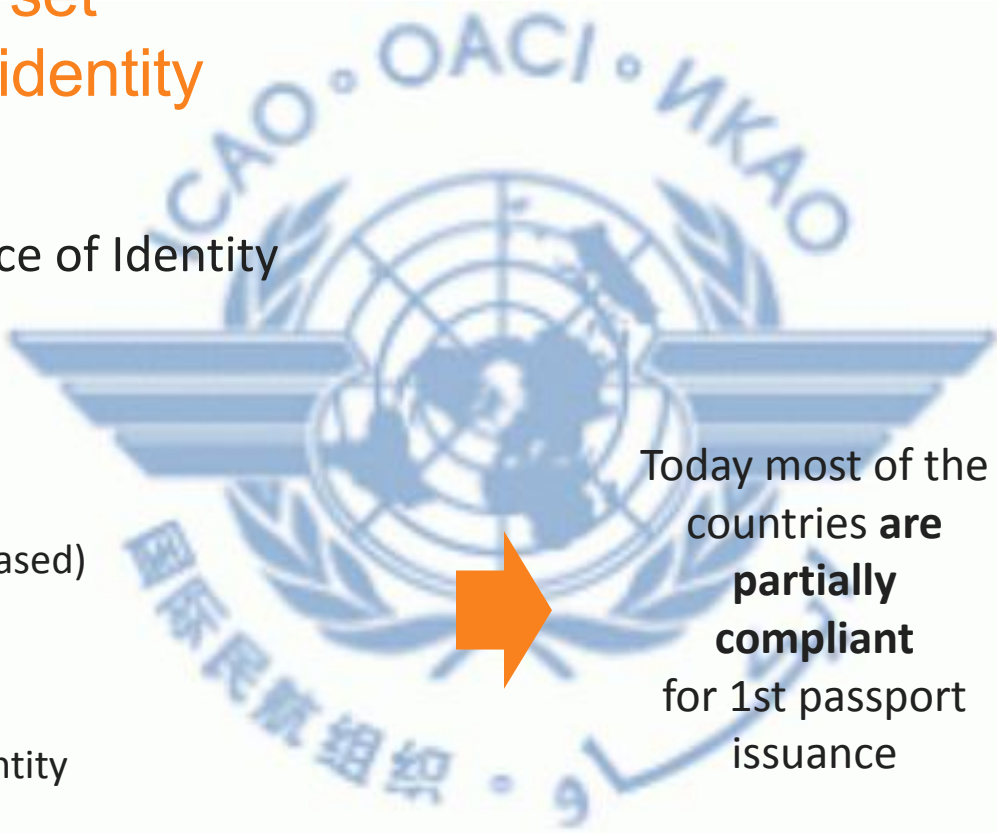✖ ICAO working group on Evidence of Identity

✖ 5 security objectives

  ✖ Identity exists

  ✖ Identity is a living identity (not deceased)

  ✖ Applicant links to the identity

  ✖ Applicant is the sole claimant of identity

  ✖ Identity is in use in the community

Today most of the countries **are partially compliant** for 1st passport issuance

gemalto

ORIGINS : use of breeder documents for passport issuance in Europe

✖ ORIGINS: a FP7 European Project

✖ Passport application process and breeder documents issuance in 20 countries

✖ EU/Schengen/associate countries/EU membership prospects

✖ Overview of the existing practices, commonalities & differences between national schemes

STUDIED COUNTRIES

■ Studied Countries in Origins Project

gemalto

State of the Art:
Different Country Profiles

Passport: good level of harmonization
- Common characteristics: chip, portrait, fingerprints (except for Ireland & UK)
- But different security levels apply to application process in each country

ID card: under national sovereignty
- 3 countries have no identity card
- Issuance and wearing not always mandatory
- Security level for document issuance often different from the one requested for passport

Breeder documents: under national sovereignty, no harmonization
- Country History has a strong impact in the country organization.
- Cultural characteristics shall be taken into account for change acceptance.
- Civil status harmonisation initiated but still not unified
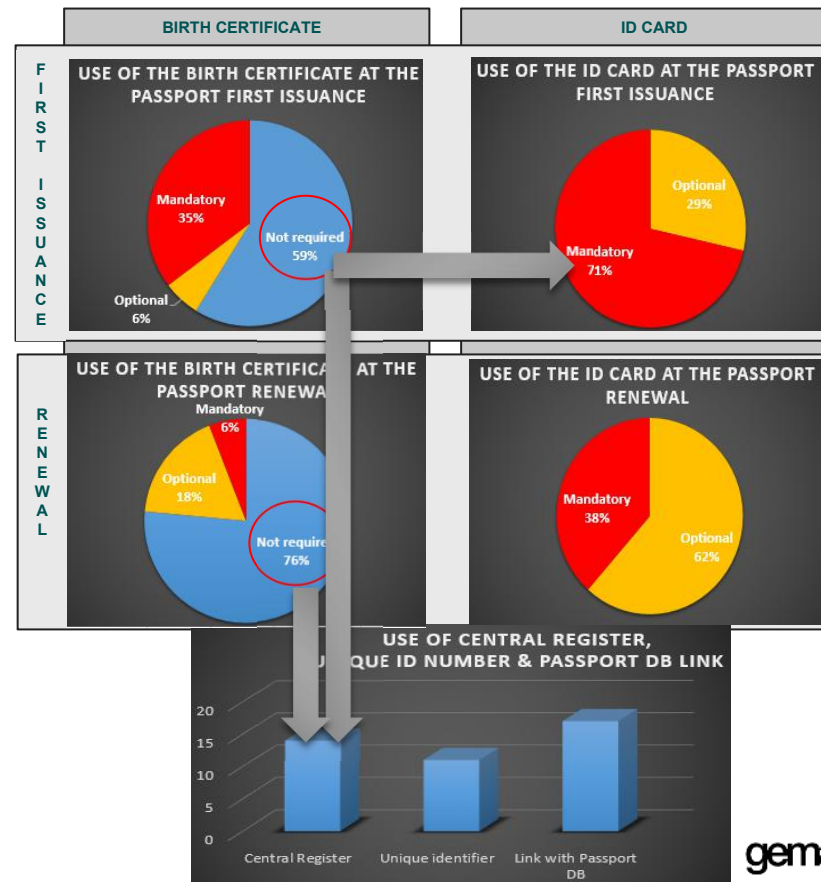
1. Passport application process :
Access to reliable civil/population registers can secure the process

✖ Birth certificate not requested if :

  ✖ **Valid ID card** (when applicable)

  ✖ **Previous passport** (renewal)

  ✖ **Central registers** and/or **Unique National Identifier** available

ORIGINS

	BIRTH CERTIFICATE	ID CARD
FIRST ISSUANCE	USE OF THE BIRTH CERTIFICATE AT THE PASSPORT FIRST ISSUANCE — Mandatory 35%, Not required 59%, Optional 6%	USE OF THE ID CARD AT THE PASSPORT FIRST ISSUANCE — Optional 29%, Mandatory 71%
RENEWAL	USE OF THE BIRTH CERTIFICATE AT THE PASSPORT RENEWAL — Mandatory 6%, Optional 18%, Not required 76%	USE OF THE ID CARD AT THE PASSPORT RENEWAL — Mandatory 38%, Optional 62%

USE OF CENTRAL REGISTER, UNIQUE ID NUMBER & PASSPORT DB LINK

Central Register — Unique identifier — Link with Passport DB

gemalto

1. Passport application process :
Best practices for identity verification

National registries for physical person identification
- primary source of data collection and /or verification

Central Identity/passport database: source of **biometric** data

.

Live capture of photo

QR code
- for paper breeder documents

Cross verification of applicant's data

Digital transformation: electronic interaction and information sharing between government agencies

1. Passport application process :
Best practices for identity verification

- **Leverage on biometrics**
  - establish a non ambiguous link (applicant & claimed identity)

- **Store historical data** in passport database:
  - keep the photos of previous passport applications

- Establish link between the **passport** and the **identity (card) databases**
  - enable comparison of existing biometric data (photo)

- Build **automatic verification** of stored biometric data
  - today visual verification in most of the cases

- Holistic approach for **loss and theft** of identity documents
  - checkdoc/docstop in Belgium

- **Task Force** for best practices sharing on Identity fraud.
  - participation of different agencies (Police, Civil data Offices, Foreign Affairs, National Registry, Judicial authorities)

2. Breeder documents issuance :
Best practices for citizen data registration and update

ORIGINS

- **Secure primary source:** civil data registration & update

  - **Electronic exchange** of medical notification
  - **Declaration at the hospital**

  - Civil status acts stored in **digital form digitally signed** by civil office agents

  - **Civil status online services** using strong citizen authentication

e-birth Register

- Reinforce **data reliability**

- Combine information from **civil & population registries**

- **Digital transformation**

  - Automatic **data update** in all relevant registers (eg death register information).

  - **Online event notification** and/ or registration

gemalto

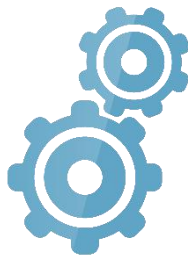# 2. Breeder documents issuance : Best Practices at national level

Enhance efficiency

- Use of **unique identifier** 10 + 4 countries

- **Decentralised event registration** for convenience and proximity

- **Automatic update** of data on a **central register**

- **Once-only principle**: information sharing between public administrations

Reinforce security

- **Issuance of birth/death certificates**:
  - Limitation of the number of persons who can apply for a Breeder document
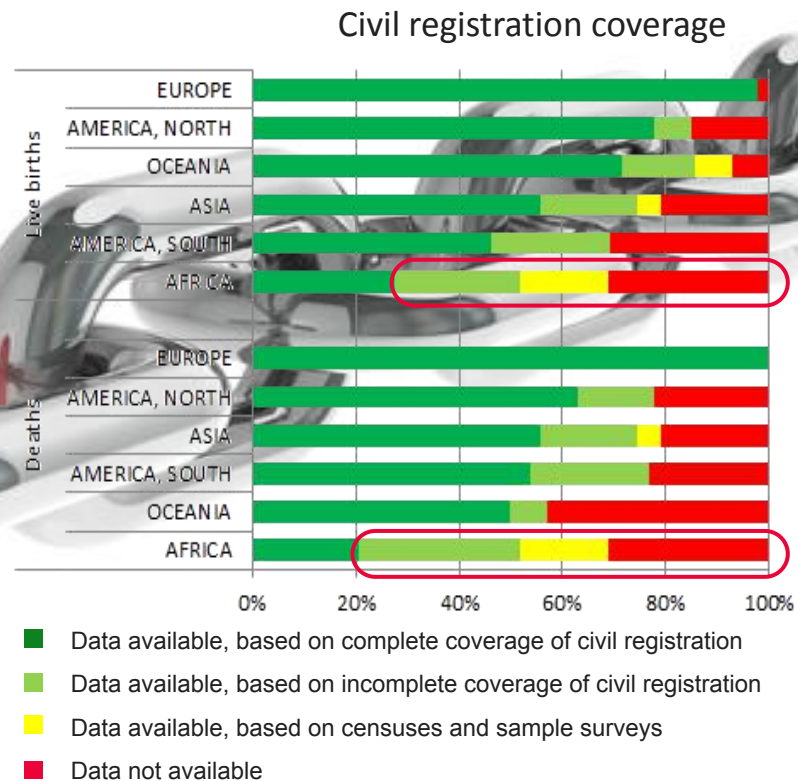 - Delivery in person

- **Data access**: Reliable authentication and communication security for civil officers and citizens

A holistic approach is necessary to address security & efficiency issues in passport issuance

Breeder documents verification

Breeder documents issuance

Civil events registration - CRVS

gemalto

Civil registry management is a key element in the chain

Civil registration coverage

Live births:
- EUROPE
- AMERICA, NORTH
- OCEANIA
- ASIA
- AMERICA, SOUTH
- AFRICA

Deaths:
- EUROPE
- AMERICA, NORTH
- ASIA
- AMERICA, SOUTH
- OCEANIA
- AFRICA

0%   20%   40%   60%   80%   100%

- 🟩 Data available, based on complete coverage of civil registration
- 🟩 Data available, based on incomplete coverage of civil registration
- 🟨 Data available, based on censuses and sample surveys
- 🟥 Data not available

(Source: UN December 2014)

Thank you for your attention!

For any questions:
Yolanda.Varuhaki@gemalto.com

gemalto