INF 10 eBORDERS
Security and Facilitation

Gemalto Government Programs
Ion Otazua – Gemalto
Email: ion.otazua@gemalto.com
World leader in identity and digital security

WE’RE UNIQUE. WE’RE GLOBAL. WE’RE INNOVATIVE
eBORDERS: Security and Facilitation

- Security and Facilitation as a BALANCE
- Security and Facilitation as part of ID FOUNDATION
- Security and Facilitation as key factor for:
  - Regional integration and free of movement
  - Smart Borders
  - Integration with National ID Program (ID4D)

- Security and Facilitation: challenges (similar to ID4D)
eBorder: border and biometrics as part of the ID ecosystem
eBORDERS at ID Foundation

Specific Applications | Elections | Social and Welfare | Bank and Retail | Telco | Transport
---|---|---|---|---|---
Access to eGov | Access to eGov | Identification & Compliance

Citizenship Rights and Duties | Commercial Rights and Duties

Official Citizenship and Identification Documents

- Passport
- National ID Card
- Residence Permit
- Neighbor Trading Card
- Visas & Permits

National Diaspora
- National Resident
- Foreign Resident
- Foreign Worker
- Student
- Refugee
- Asylum seeker
- Tourist Visitor

Population Registry

National Civil Registry
- Birth and Death
- Naturalization
- Marriage
- Divorce
- Adoption

eBORDER
Challenges and objectives at modern Borders

1. Enhance security
2. Passenger Facilitation
3. Biometric Traveler Registry
Challenges and objectives at modern Borders

1. Enhance security

- 3 border dimensions:
  - before the border: eVisa, ETA, consular, pre-screening, PNR
  - at border: verification, identification, enrolment
  - inside the country: interoperability, control checks, mobility

- ID Convergence: public and private
- Integrate sea, land, and air borders, and external ddbb
- Multi-lateral security collaboration (for regional integration)
Challenges and objectives at modern Borders

2. Passenger Facilitation

- Increasing number of travelers
- Improve travelers experience
- Leverage ePassport introduction
- Automated Border Control ABC
- ETA: Electronic Travel Application
- RTP: Registered Traveler Program
Challenges and objectives at modern Borders

3. Create a Travelers’ Civil Registry

- Nation: territory + population + “foreign population”
- Foreign population: rights and duties. Requires Identity!
- Border, Visa, and Permits as front-end for enrolment
- Biometrics to secure traveler register (unique ID)
- Biometrics before border, at border, and inside the country
- Quality Assurance, Interoperability and System Integration
Biometric Registration: Challenges

- Strong document verification for strong identity validation
  - ICAO verifications
  - Security features verifications under 3 lights
  - Electronic verification
  - Certificates handling and distribution
  - Biometrics QA and matching

- Biometrics verification to match traveler with his/her document

- Biometrics capture: Environment and Quality Assurance

- Biometrics for RTP and ABC: controlled environment

- Interoperability (National and International biometric systems)

- System integration with existing biometrics systems
Conclusions
CONCLUSIONS

Technology is a tool to support your Government to:

- Overcome your specific CHALLENGES
- Achieve your planned GOALS
- Cover your current NEEDS

Therefore, we propose a “consultancy approach”:

- Analyze specific country challenges
- Plan how to achieve your Goals (with KPI metrics)
- Adapted to the reality of the country and future proof
CONCLUSIONS

- Identify your needs and challenges and define the objectives
- Then, decide and plan how to use biometrics to achieve the objectives
- Security + Passenger Facilitation + Traveler Registry

USING BIOMETRICS

- Strong document verification for strong identity validation
- Biometrics capture: Environmental conditions and Quality Assurance
- Assure Interoperability (raw images and standard templates)
Using Biometrics at Borders: Some examples
Strong Document Verification

Gemalto eJourney – Border, Visa, Document Verification, and Biometrics – Ion Otazua
Strong Document Verification
Biometrics: Quality Assurance + Interoperability
Biometrics: Quality Assurance + Interoperability

Gemalto

eJourney – Border, Visa, Document Verification, and Biometrics – Ion Otazua
Flexibility for land and sea borders
Flexibility for land, sea and air borders
Facilitation
Border Intelligence: monitoring and investigation

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**Selections**
- Holidays, Transit
- Foreigner
- Air, Land, Sea

**Exits from Utopia**
- United Kingdom: 885
- United States: 836
- France: 407
- Spain: 316
- Uruguay: 210
- Ivory Coast: 207
- India: 195

**Entries to Utopia**
- United Kingdom: 2,740

**Reasons for Rejection**
- Biometrics failed
- Document verification failed
- Missing Visa
- Wanted Person

**Locations**
- Castle Rock
- Castle Black
- Kings Landing

**Workstation Type**
- eGate
- Mobile
- Primary

**Travel Purpose**
- Business
- Holidays
- Visit

**Status**
- Accepted
- Rejected

**Traveler Category**
- Foreigner
- National

**SITE TYPE**
- Air
- Land
- Sea

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Border Intelligence: monitoring and investigation

31,800 Transits
811 Rejected (2.6%)

Monitoring: Capacity & Risk

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Capacity Thresholds

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Thank you!