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Augmented Borders

Emmanuel Wang - VP Border control Passenger Flow Facilitation

ID4Africa
Johannesburg – South Africa

Main drivers for Border Control

Improve Security

- Systematic use of biometrics
- Enhanced capacity to detect suspicious profiles
- Integrated systems enhancing decision making process

Ease Movement across borders

- For commuters, nationals, foreigners
- Automatisation of border crossing
- Ease the future control and flow by permanently record individuals data
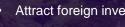
Favor Economy

- Boost tourism through the simplification of Visa process
- Modernize infrastructure and processes to the benefit of citizen
- Attract foreign investment

Lessons learnt: A complex Eco-System

Immigration agencies
Ministry of Interior, Ministry of Immigration, Border Police, Customs

Citizen
Citizens / travelers / tourists / commuters

Other homeland security agencies
Ministry of Defense, Intelligence Services

Carriers
Airlines, Cruise lines, Ferries, buses, etc…

International Regulators
ICAO, WCO, ISO, UN, European Commission, CNIL, etc.

Infrastructure operators
Airports, Seaports, Train operators

Lessons learnt: make your system effective and performant

Choose the right partner

Specialist of border control

- Understand Border's concept of operations
- Master key technologies
- Address your specific need
- Ability to deal with the complexity
- Flexible offer (ie Local / National EES)

Inclusion of all

Different strategies per individuals or type of border

- Nationals
- Foreigners (Visa holder, Visa exempts)
- Commuters
- Registered Traveler
- Land | Sea | Air

End to End approach

Border is not just controlling passport

- Starts BEFORE the arrival in the country
- Front end and back end to be considered

End to end process: How is (will) your data (be) travelling?

Anticipate risks

Locally manage flows at border

| Collect (API, PNR, ETA…) | Analyze | Share (with EES and BCP) | Control travelers (doc, biometrics) | Central queries (EES, Risks, ABIS and other vettings) |

Entry/Exit Authorization
(Register all entry and exits at national level)

Interconnect
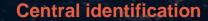(link with national and international systems)

Manage process
(Workflow management)

Identify traveler
(1:N matching)

Manage entry and exits at national level
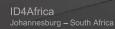
Central identification

How to go further toward a greater freedom of movement?

Biometrics coupled to Automation participate to the free movement

Systematic use of biometrics

- Raise level of confidence
- Powerfull mean to increase flows at borders

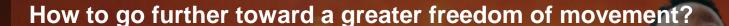### Move toward regional Registered Traveler Program

How to go further toward a greater freedom of movement?

Faster processing for expected / known travelers

- API / PNR data
- Pre-checked
- Already in EES

Greater cooperation between countries

- Interconnection of systems
- Data sharing
- Specific agreement for daily commuters

How to go further toward a greater freedom of movement?

Move from a Document centric to a Person centric approach

Countries need to have their own conviction

Passport Less trends that aims at improving the free movements of people

- Biometric is the token (see OneID initiative)
- Digitalisation of the Travel document

Development on the field of data analytics

- Behavioral Pattern that can be defined in advance
- Coupled with the Artificial intelligence

ID4Africa
Johannesburg – South Africa

Our experience in Africa

Benin

- Entry/Exit System at Cotonou Airport
- eVisa System for all applicants

Mali

- eVisa system

Chad

- Entry / Exit system
- eVisa system

Mauritania

- Entry / Exit system
- eVisa system (Mauritania Visit)

Egypt

Integrated Border Control (BCVI)

- National Entry Exit
- eVisa, Residency and Immigration

Objectives

- **Increase level of security**
  - Register movements
  - Integrate and Manage biometrics
  - Harmonize Land/Sea/Air borders
  - Integration of border control into larger ID system (Mauritania)

- **simpler, faster, more efficient visa application process**
  - Rebuild the system and automated several business processes
  - Increase capacity of the system

Focus on our innovative project in Singapore

Singapore | Changi & Seletar airport, Woodland station

Complete passenger experience

- Getting passenger processed quickly
- Automate whole departure process
- Biometrics as the key token

Key factors for our customers

- Most performant biometrics solutions
- Border control and Passenger facilitation expertise
- Strong system integration capabilities

Main benefits for travelers

- Faster processing of passengers allows for more time to enjoy the terminal facilities
- More pleasurable experience of travelling

Main benefits for operator

- Greater, non-intrusive security
- Ability to re-deploy staff to customer service roles
- Better optimisation of operating costs

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Image: Credit Changi Airport