



ICAO | UNITING AVIATION

Tenth Symposium and Exhibition on Machine Readable Travel Documents
(MRTDs) and Border Security
October 7-9, 2014

Identification Management Today and Tomorrow:
Learning from the Past, Keeping an Eye on the Future

Gary McDonald
Consultant



Overview

- Role of Identity Management
- Past Practices
- Evolution
- Ongoing Challenges



Role of Identity Management

- **Foundation Piece**
 - Key to all transactions
 - i.e passports, visas, border control, aviation security
- **Essential Element of Security**
 - Do you really know who you are dealing with?



Role of Identity Management (2)

- Criminal Activities
 - Human Trafficking
- Shift from Document Fraud to Identity Fraud
 - Use of biometrics in ePassports



Evidence of Identity

- Identity actually exists
- Identity belongs to the person you are dealing with
- Identity is used in society
 - A “Living Identity”



Identity Fraud

- Several forms of Identity Fraud
 - Impersonators
 - Look-alikes
- Pressures on Human Resources



Past Practices

- Reliance on Documentary Evidence
 - Breeder Documents
 - Birth certificates
 - Third Person declarations
 - Guarantors
- In Person Interviews



Evolution

- **Secure documents**
 - More Secure Passports
 - Improved/Expanded Civil Registries
 - Links to Death Registration
- **Social Footprint**
 - Workplace, Finances, Residence
- **Biometrics**
 - Face, Fingerprint



Evolution (2)

- No Single Source to Identify an Individual
- Use of Publicly Available Databases
 - Tax rolls, voter registration
- Security Assessment Tools
 - ICAO Guide
- Information Sharing



Ongoing Challenges

- Much work is still needed to be done
 - Working in Silos
 - Information Sharing vs. Privacy Considerations
- On Line Service Delivery
 - eGov initiatives



ICAO | UNITING AVIATION

Gary McDonald

gary.mcdonald@identisec.com
