

3rd Symposium on ICAO-Standard MRTDs, Biometrics and Security

Features of Basic and Biometric



- *MRTD's*

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Overview

- ✱ State of the Art
- ✱ Global implementation MRTD's
- ✱ eMRTD's & Border Control
- ✱ Contact less Chip Technology
- ✱ Future work items NTWG
- ✱ Public Key Directory (PKD)

State of the Art

- ☀ > 40 States introduced eMRTD
- ☀ Responsible for ½ volume MRPs
- ☀ At least 6 States consider
- ☀ Interoperability is a success
- ☀ Distribution CSCA's challenge
- ☀ First experience lead to changes
- ☀ Side effect

Country	Introduction date	Type of document	Face ICAO compliant
Belgium	24 November 2004	Passport	Yes
Thailand	26 May 2005	Passport	Yes
Sweden	3 October 2005	Passport & Identity Card	Yes
Norway	3 October 2005	Passport	Yes
Australia	24 October 2005	Passport	Yes
Germany	1 November 2005	Passport	Yes
New Zealand	4 November 2005	Passport & COI & RFP	Yes
United Kingdom	6 March 2006	Passport	Yes
Japan	20 March 2006	Passport	Yes
France	12 April 2006	Passport	Yes
Singapore	29 April 2006	Passport DIP / OFP	Yes
Iceland	23 May 2006	Passport	Yes
Austria	16 June 2006	Passport	Yes
Portugal	31 July 2006	Passport	Yes
United States	14 August 2006	Passport	Yes
Denmark	1 August 2006	Passport	Yes

State of the Art ₂

Quote:

“Have old things passed away and all things become new at the Ikoyi Passport Office (Nigeria)? The huffing and puffing that used to characterise acquisition of international passports at the office may be heading for history. No one has yet found a permanent solution to touting but not only has it been on the wane, it is gradually becoming fun to apply for a passport at the centre.

A shed has now been constructed in the premises of the office to provide shelter for hundreds of applicants. The waiting rooms are now fitted with air conditioners. There is a whole new look, more like that of a banking hall. The computers are latest models. Courtesy is gradually being embraced by the officials.

*What is the secret? Who knows? There is a new mentality, a new way of doing things. And also there is a new thing that is the in-thing – it’s called **electronic passport or e-passport**. It seems to have marked a new beginning, or maybe it is a product of a new beginning.”*

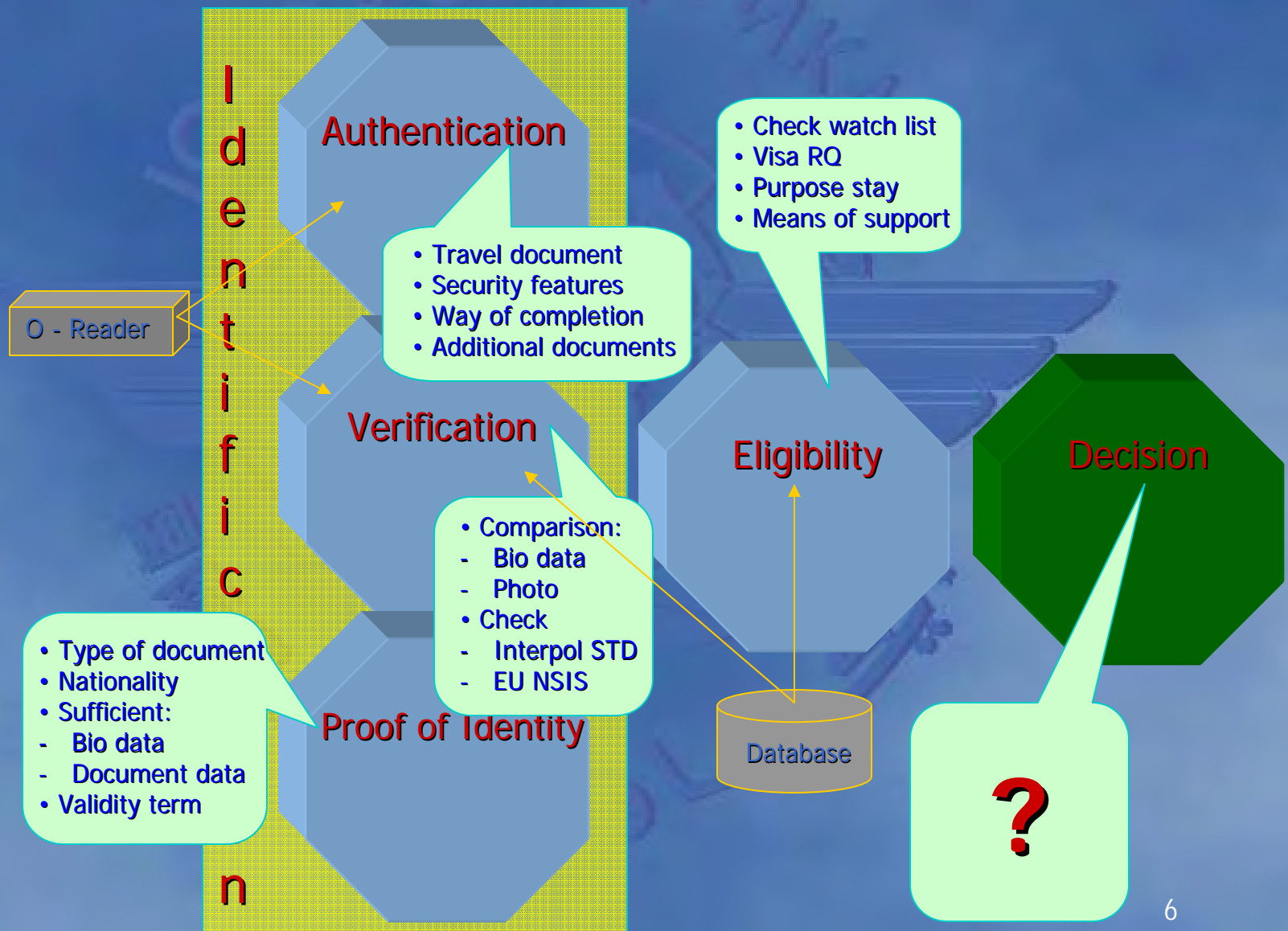
Yemi Akinsuyi, This Day, African Views on Global News.

Global implementation MRTDs

- ✿ ICAO's deadline to issue only MRPs by April 2010
- ✿ Additional standard all non MRPs expire by 2015
- ✿ Worldwide progress on implementation MRPs
- ✿ Need to follow the standards
- ✿ Use the right version of DOC9303.
- ✿ Improve the minimum security level of MRPs
 - Example the European Union
- ✿ Securing the Application and Issuing process
- ✿ Breeder documents play an important role

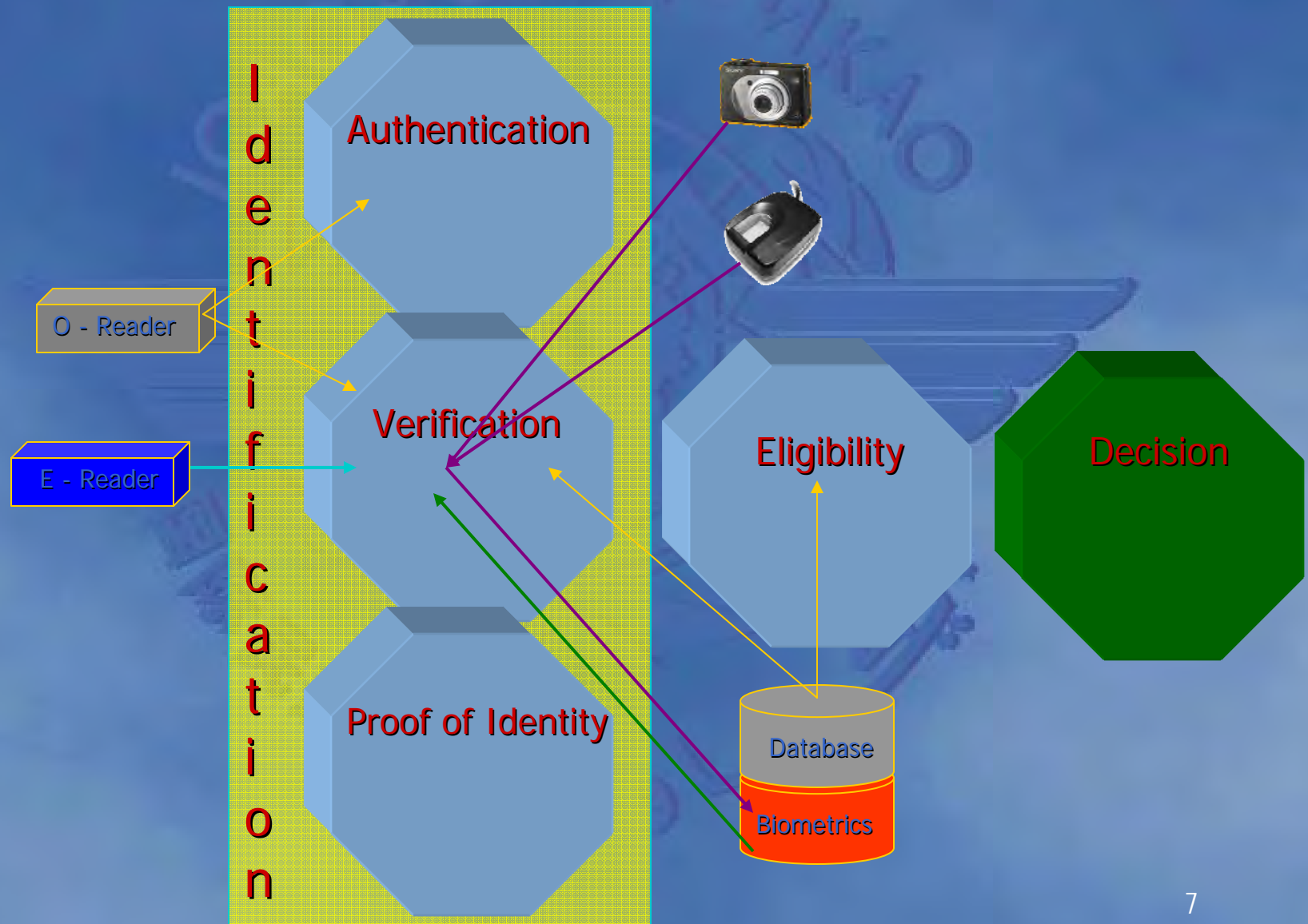
eMRTD's & Border Control

Current Process



eMRTD's & Border Control

Process with eMRTD's and Biometrics



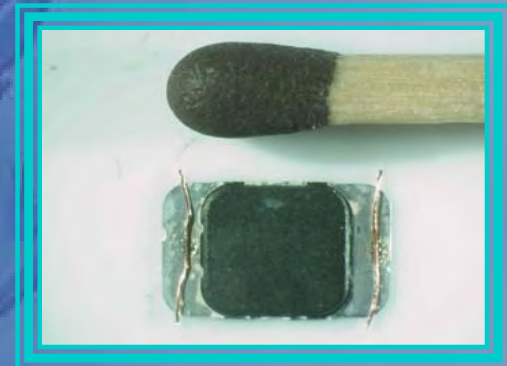
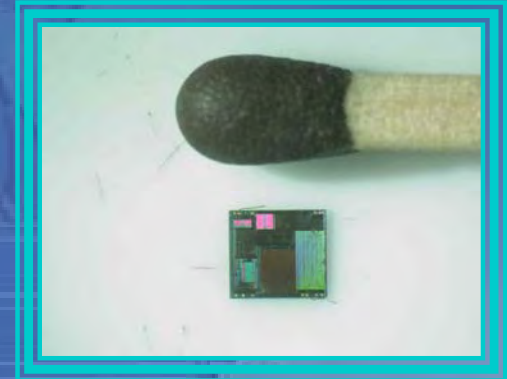
eMRTD's & Border Control

Process with eMRTD's and Biometrics

- ✱ Border Control process needs redesign
 - New design of Interface and display
 - Integrate the proper reader for your process
 - How to integrate the digital certificates CSCA & DS
 - How to check the digital security features
 - Analyse impact of reading time of passports
 - Integration and use of biometric verification systems
 - What to do by failure of chip?
- ✱ eMRTD's in an Automated Border Control environment

Contactless Chip Technology

- ☀ Why contactless?
- ☀ Important to follow ISO 14443-
- ☀ Pros:
 - Already existing standards
 - Not location dependent
- ☀ Cons:
 - Creates privacy issues
 - Skimming and eavesdropping
- ☀ New developments
 - New faster chips are underway
 - New privacy protection technology



Future work items NTWG

- ✱ Request for Information (RFI) – April 2008 –
- ✱ Guidance for Chip Malfunction
- ✱ Guidelines eMRTDs & Passenger Facilitation
- ✱ Report on E-Visas
- ✱ Redesign specifications for ID-1 documents
- ✱ ISO/Task Forces on update DOC9303 & Supplement
- ✱ Support/Cooperation Interpol on lost & stolen MRTDs

Public Key Directory (PKD)

- ✿ In March 2007 the PKD became effective
- ✿ Operational since 20 March 2007
- ✿ Currently 7 members
- ✿ Current objective/tasks PKD will be reconsidered

The background of the slide features a large, faint watermark of the International Civil Aviation Organization (ICAO) logo. The logo consists of a globe with latitude and longitude lines, flanked by two olive branches. The text "ICAO" is written in English and Chinese around the globe.

Thank you for your Attention

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