



International Civil Aviation Organization

Sixth Symposium and Exhibition
on ICAO MRTDs, Biometrics
and Security Standards

ICAO Headquarters, Montréal, Canada
1 - 4 November 2010



The Problem of Impostors:
Identity Fraud without Alterations

Charlie Stevens

**Former Head of the United Kingdom National Document Fraud
Unit**

Impostors: The Problem

- Statistics
- Simplest method of MRTD fraud
- Threat of impostors at the document issuing stage
- Organised crime



Which documents are preferred by impostors and why?

- Document to match the profile of the customer
- Document must be suitable for the use intended by the impostor
- Documents passed from one family member to another



How to detect impostors?

- If the document is a biometrics MRTD and an appropriate reader is available, conduct a full one to one biometrics verification
- Check the document's number and nationality against available databases for any warnings information
- Carefully compare the photograph or image in the document to the person presenting it
- Check the age, height, visible marks and signature of the document holder against the biographical details held in the passport
- Check the displayed shapes and positions of the face, chin, lips, eyes and nose in the document to the person presenting it
- Speak to the document holder in the language of the passport nationality and test for knowledge of the document issuing State
- Observe the person presenting the document for suspicious signs, such as undue nervousness, sweating or failure to make eye contact



Biometrics in eMRTDs



Sixth Symposium and Exhibition on ICAO MRTDs,
Biometrics and Security Standards, 1 to 4 November
2010, Montréal



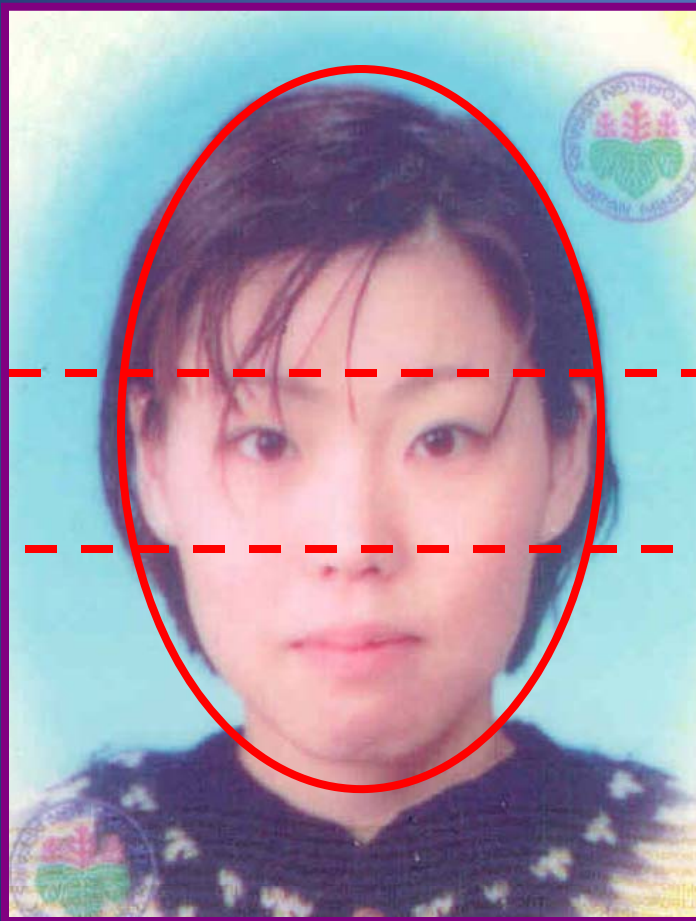
Routine checking of document databases



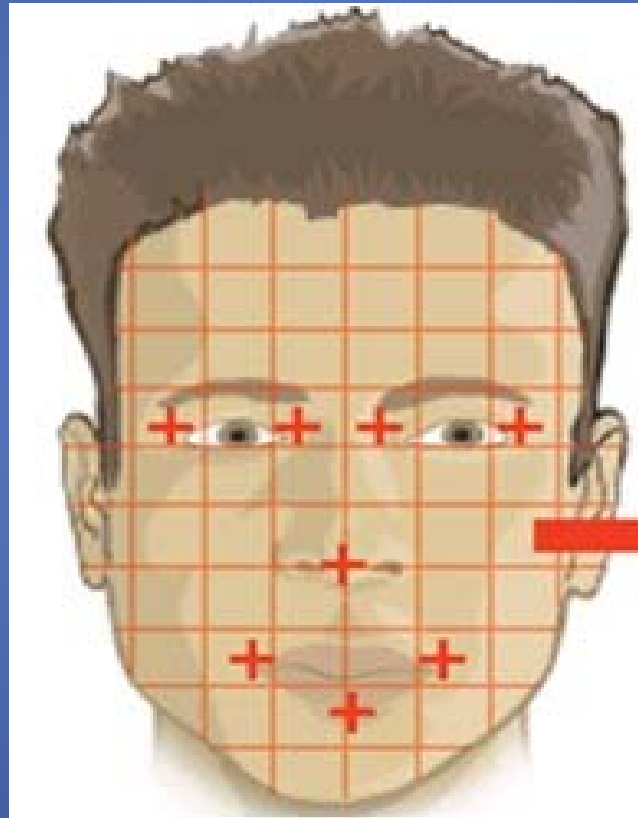
Sixth Symposium and Exhibition on ICAO
MRTDs, Biometrics and Security Standards,
1 to 4 November 2010, Montréal



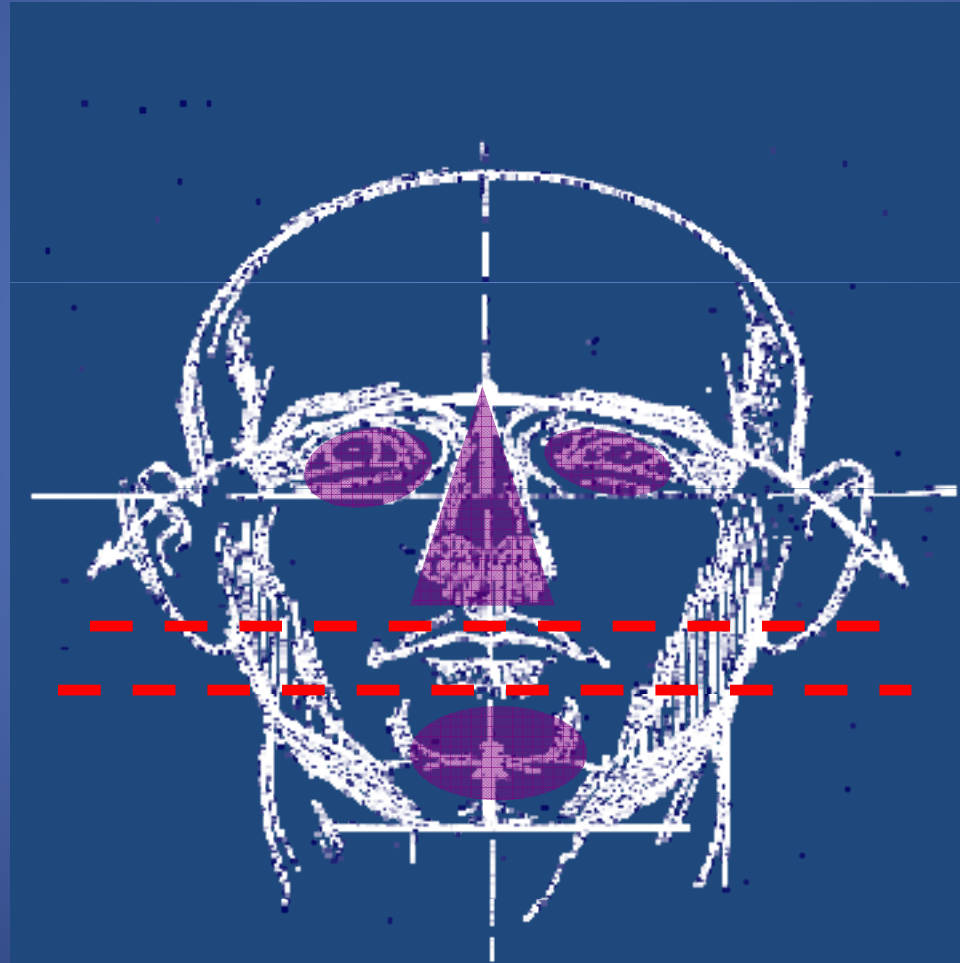
Compare the image on the document with the person presenting it



Facial comparison: Divide the face into separate areas for comparison



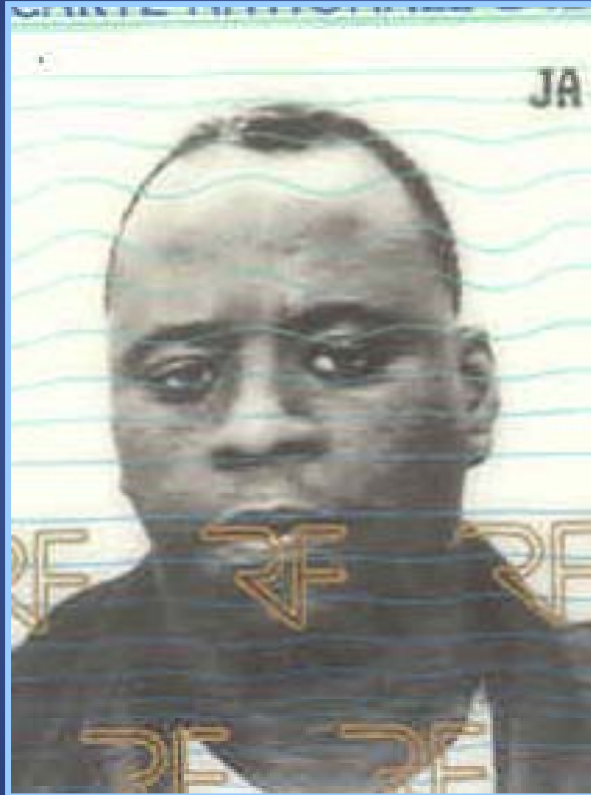
Compare the location of each facial feature to one another



Sixth Symposium and Exhibition on ICAO
MRTDs, Biometrics and Security Standards,
1 to 4 November 2010, Montréal



Examples



Impostor or not?



Sixth Symposium and Exhibition on ICAO
MRTDs, Biometrics and Security Standards,
1 to 4 November 2010, Montréal



Impostor



Impostor or not?



Not Impostor



Impostor or not?



Impostor



Any Questions?



charliestevens49@hotmail.co.uk

