



INTERNATIONAL CIVIL AVIATION ORGANIZATION



الهيئة العامة للطيران المدني
CIVIL AVIATION AUTHORITY

ICAO Regional Seminar on MRTDs, Biometrics and Border Security

دو ندوة الايكاو الإقليمية عن وثائق السفر المقروءة آلياً، والأدوات البيومترية وأمن الحدود

الدوحة، قطر *

31 October - 2 November 2011, Doha, Qatar

٣١ أكتوبر إلى ٢ نوفمبر ٢٠١١



The Problem of Impostors: Identity Fraud without Alterations

Charlie Stevens

Former Head of the UK National Document Fraud Unit

Impostors – The Problem



- **Statistics**
- **The 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 holder**
- ❑ **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 eMRTD and an appropriate reader is available, conduct 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 holder against the biographical details held in the document**
- **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**

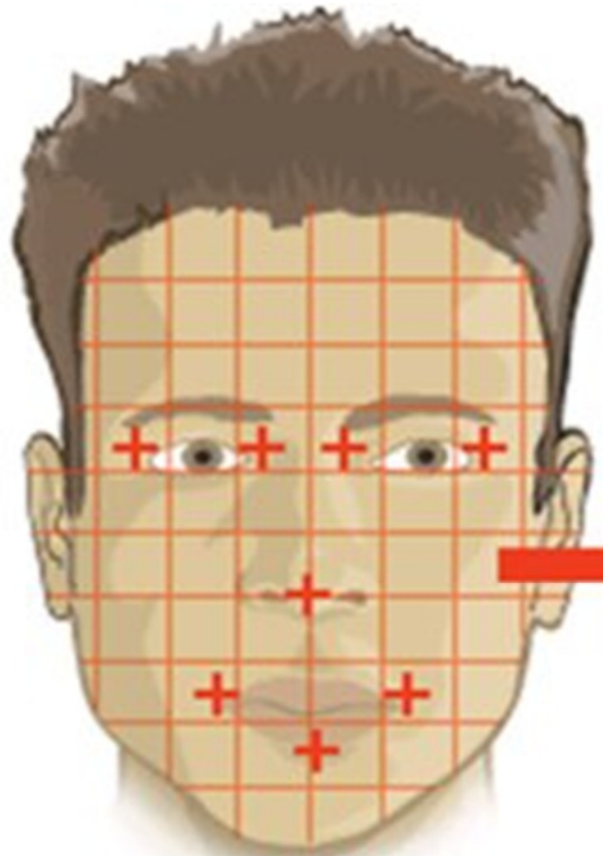
Biometrics in eMRTDs



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Facial Comparison

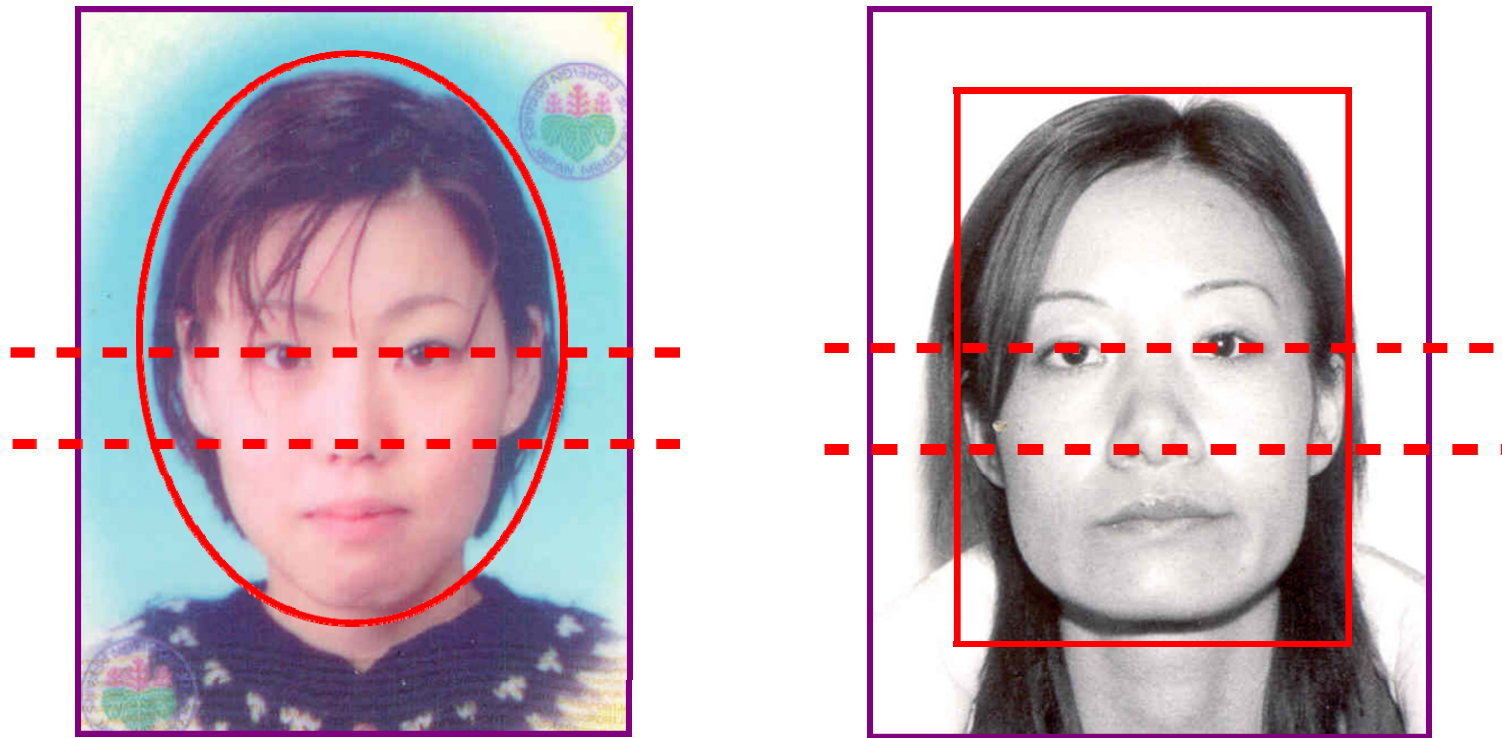
Divide the face into separate areas for comparison



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Facial Comparison

Compare the location of each facial feature to one another



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Examples – Impostor or Not?



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Impostor



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Impostor or Not?



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Not Impostor



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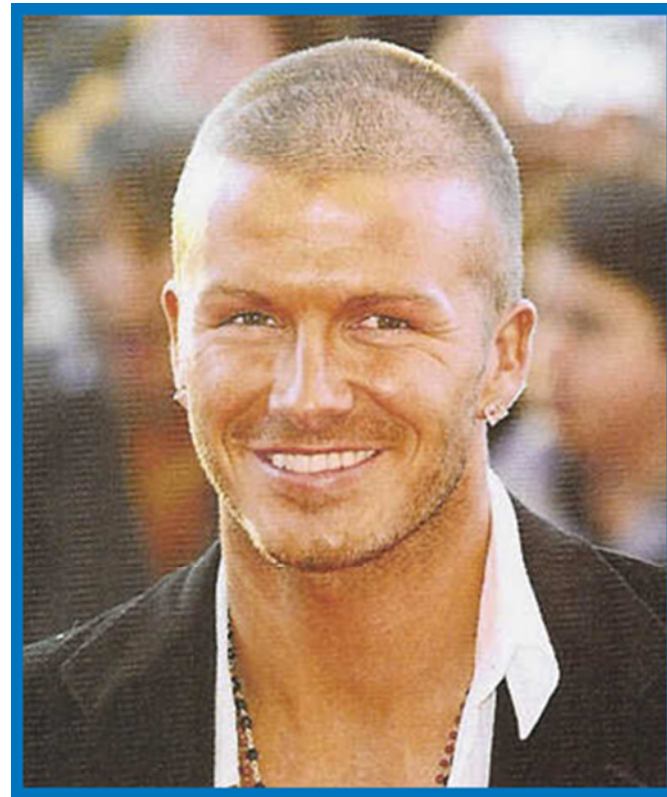
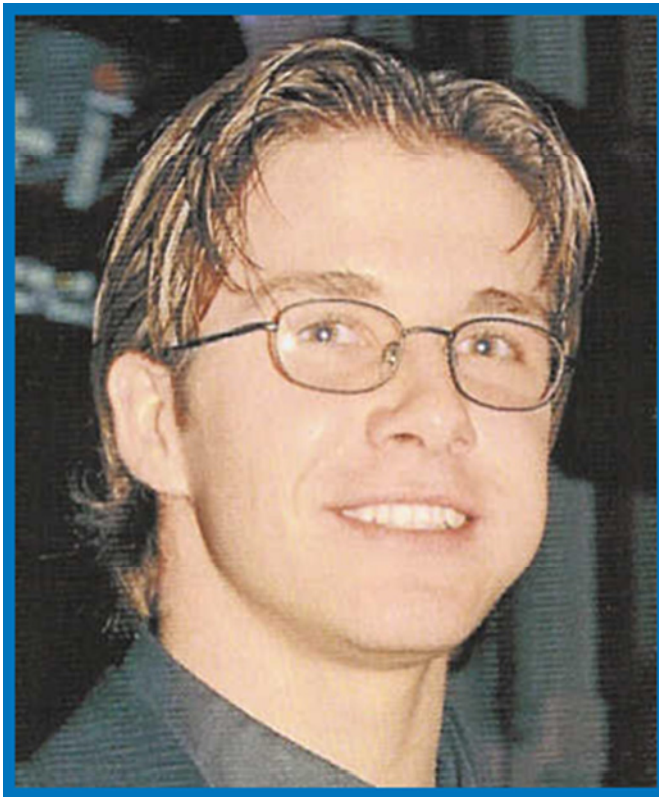
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Impostor



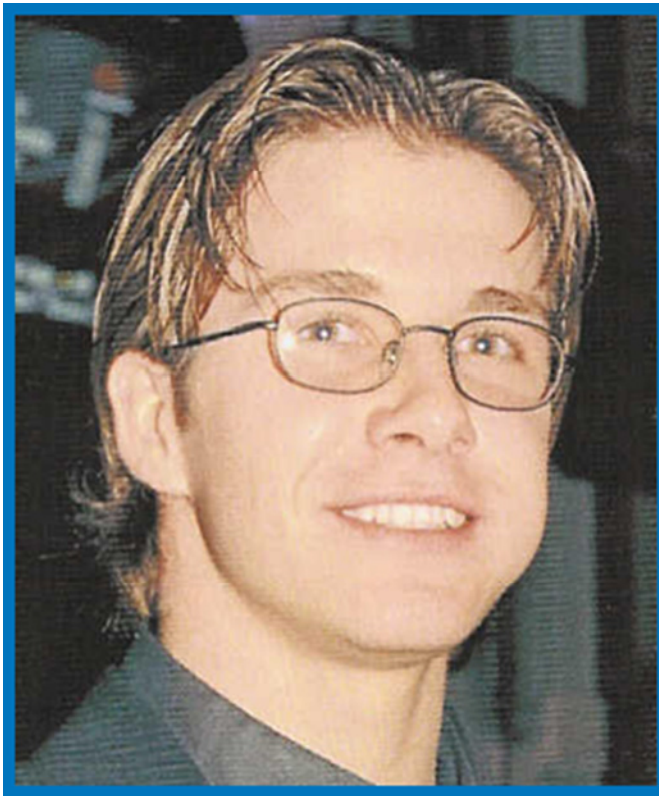
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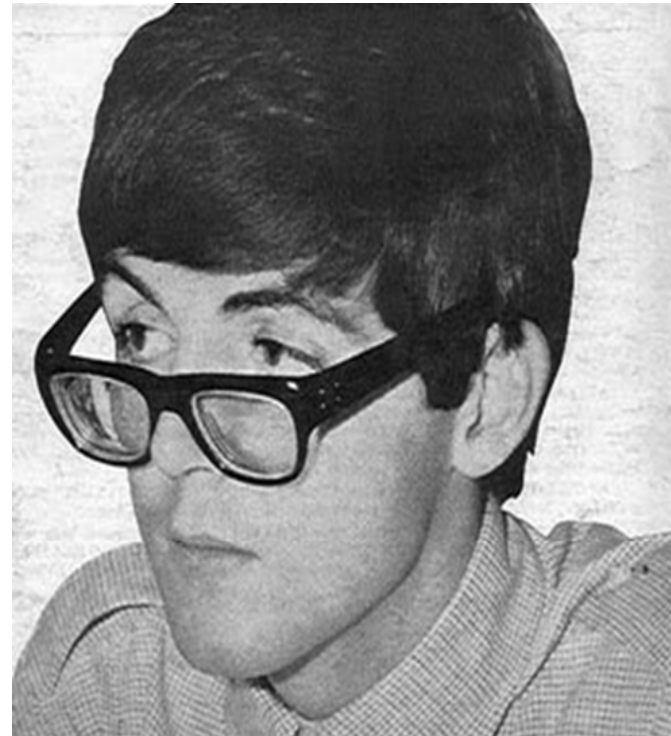
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Not Impostor



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Questions?



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