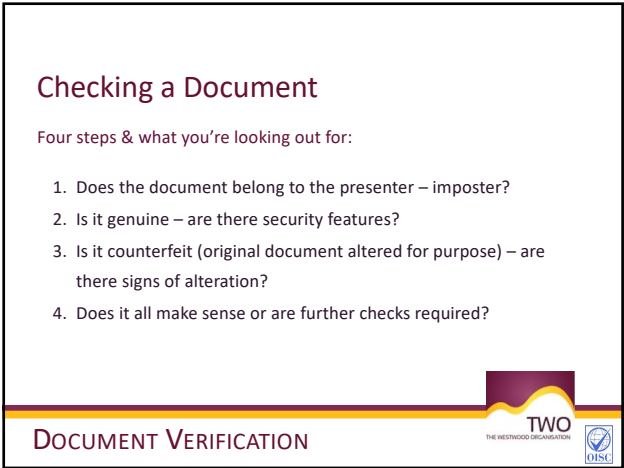


1



2



3

Imposters

- Imposter – the most frequent type of ID fraud
- Pretending to be someone else!
- Does the appearance match the date of birth?
- Does the person look like their picture!
- Compare the relative position of facial features:
 - Ear position
 - Nose and mouth position
 - Eye shape and position.

IMPOSTER FRAUD

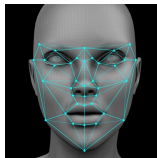


4

Facial Recognition

Recognition can occur in a number of ways:

- Familiarity (e.g., the way someone walks)
- Viewing physical features, eyes, nose, mouth, ears - shapes sizes and positioning in relation to each other.
- Technology plots the facial features
- Scars, birthmarks etc can make people easier to recognize
- Can you be sure who the person is?



IMPOSTER FRAUD

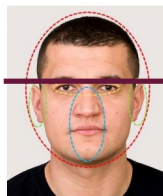


5

Comparing Facial Features

Compare overall shape of the face:

- Look at the features individually
- Consider position of each in relation to the rest of the face
- Remember, ears are like fingerprints, they are unique.



IMPOSTER FRAUD



6

Who Is This?



IMPOSTER FRAUD



7

Step Two:
Security Features



8

Process

LOOK, FEEL, TILT!



SECURITY FEATURES



9

Typical Security Features

- Watermark
- Photograph and second image
- Tactile features
- Background print quality
- Optically variable ink
- Optically variable devices
- Microprint
- Document number
- The Machine Readable Zone (MRZ).

SECURITY FEATURES

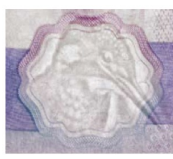


10

Watermark



UK passport 1998



UK passport 2006



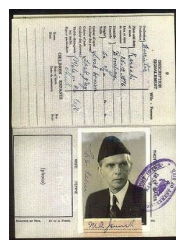
UK passport 2015

SECURITY FEATURES



11

Securing Photographs & Images



SECURITY FEATURES



12

Multiple Photographs – Current UK Passport



SECURITY FEATURES



13

Ghost Images



Ghost image – a second image reproducing the digital image.

SECURITY FEATURES



14

The Ghost Image



SECURITY FEATURES



15

Intaglio Printing



SECURITY FEATURES



16

Latent Images



UK Passport 2006 series



UK Passport 2015 series

SECURITY FEATURES



17

Texture – Engraving on Current UK Passport

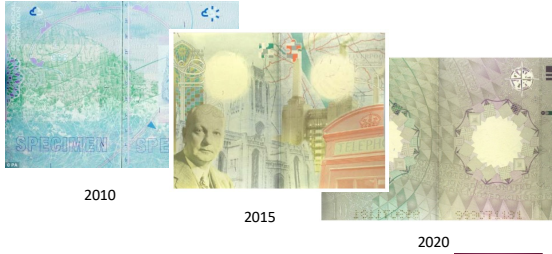


SECURITY FEATURES



18

Background Print



SECURITY FEATURES



19

DOVID Diffractive Optically Variable Image Device

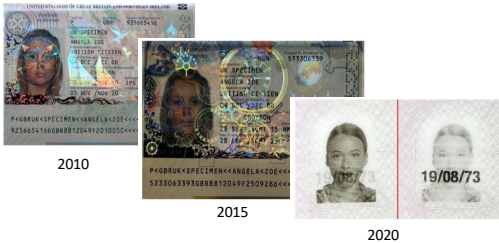


SECURITY FEATURES



20

DOVID In UK Passports

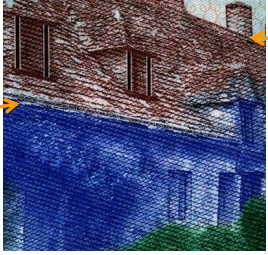


SECURITY FEATURES



21

Microprint



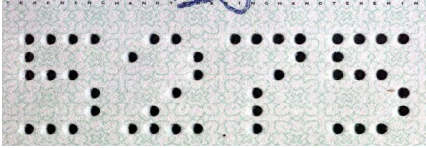
"United Kingdom" "United Kingdom"

SECURITY FEATURES

TWO THE WESTWOOD ORGANIZATION OISC

22

Needle Perforated Numbering

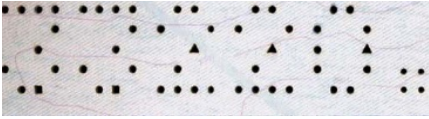


SECURITY FEATURES

TWO THE WESTWOOD ORGANIZATION OISC

23

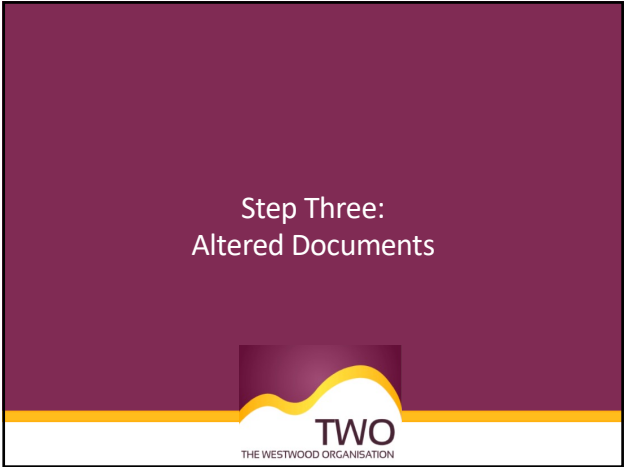
Laser Perforated Numbering



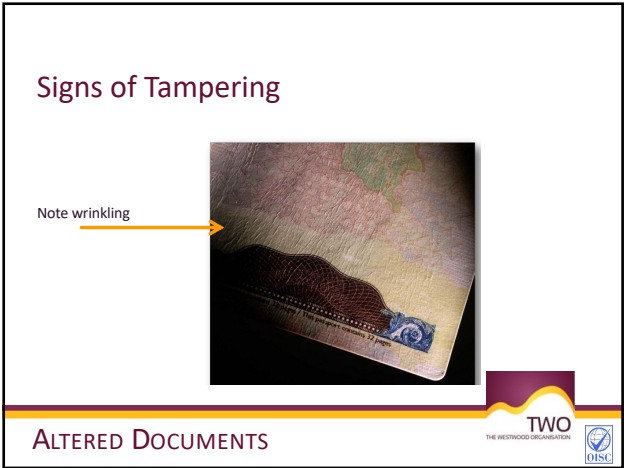
SECURITY FEATURES

TWO THE WESTWOOD ORGANIZATION OISC

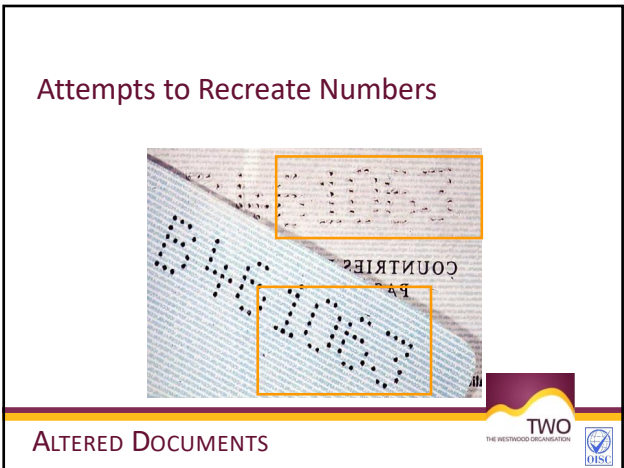
24



28



29



30

Pages Out of Alignment



ALTERED DOCUMENTS



31

Photo Substitution example

Crinkles, wrinkles and air bubbles!

Air bubbles



Creases seen using oblique light



ALTERED DOCUMENTS



32

Forgery of Visas

Visas are often the target of forgers – look for:

- Signs of being taken from one document and inserted into another.
- Signs of alteration to the typed details.
- Signs of changes to the photo
- Context – does it make sense?




ALTERED DOCUMENTS



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Step Four: Sense Check



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Sense Check

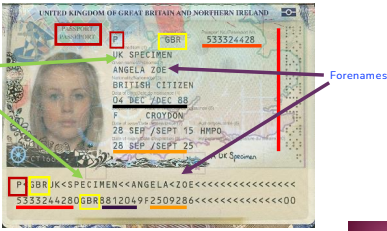

- Do names match across documents?
- Are the dates of stamps / endorsements realistic?
- Do you recognise the nationality / country?
- Does the holder speak the right language?
- Does the document match what else we know from their application?



SENSE CHECK

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Cross Checking Information

SENSE CHECK


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Case Studies:
How Good Do You Need To Be?




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How Good Do I Need to Be (No.1)




How Good?




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How Good Do I Need to Be (No.2)

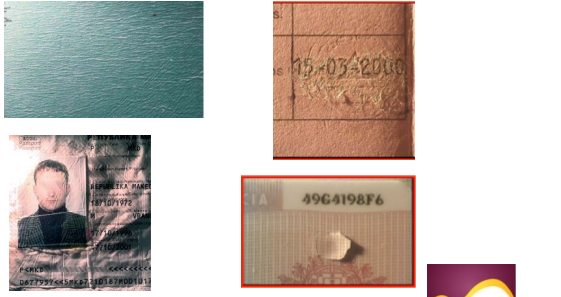


How Good?



39

How Good Do I Need to Be (No.3)



How Good?



40



Registered with the OISC to give immigration advice:
F200300132



Working in partnership with Passport Proven –
the online document verification service

The information in this presentation is not intended to be a full statement of the law,
and should not be treated as such.
We recommend that you seek advice regarding the particular circumstances of your
situation.

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