Preventing identity document fraud:

some of the best practices for an easier detection

Windhoek, 27th April 2017
A few words about the Imprimerie Nationale Group

Integrator of security solutions for governments

Long time document fraud cooperation

Multi-credentials platforms
Main issues of document & ID fraud, in France, 2015

ID documents  Vehicule documents  Other documents

44 %  24 %  30%

Huge consequences

→ Fake identities are used by criminal organisations
→ Fake identification documents cause massive financial burden

Source: © January 2017 - INHESJ/ONDRP (France) – 2016 annual report
A holistic approach for security design

Documents for each country shall be specific to meet with their **particular needs and constraints**

**International Standards & National legislation**

1. **360° document conception**
2. Security risks & observed attacks
3. Technologies available
4. Control environment & knowledge
5. Use case
6. Financial perspective

**Recommendation:** homogenize ALL issued documents
**Counterfeiting**

<table>
<thead>
<tr>
<th><strong>How often</strong></th>
<th>Rare attacks but very efficient because highly professional</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>What it is</strong></td>
<td>Imitation of an authentic document</td>
</tr>
<tr>
<td><strong>Why it happens</strong></td>
<td>Production techniques used are old or too common</td>
</tr>
<tr>
<td><strong>Solution</strong></td>
<td>Use of non-commercial security features, cleverly mixed, regularly changed</td>
</tr>
</tbody>
</table>
Security features to fight counterfeiting

**RECOMMENDATION: MIXING A FEW COMPLEX CUSTOMIZED FEATURES**

- **WATERMARK**
- **INTAGLIO PRINTING**
- **METALIZED WATERMARK (CAI™)**
- **COMPLEX UV PRINTING**
- **COMPLEX OFFSET BACKGROUND**
- **HIGH SECURITY INKS**
## Falsification

<table>
<thead>
<tr>
<th>How often</th>
<th>Growing trend; focused on the photo</th>
</tr>
</thead>
<tbody>
<tr>
<td>What it is</td>
<td>Fraudulent transformation of personal data</td>
</tr>
<tr>
<td>Why it happens</td>
<td>Variable data are not enough protected</td>
</tr>
<tr>
<td>Solution</td>
<td>Protection of the data with chemical reactives, security design, tactile features...</td>
</tr>
</tbody>
</table>
Security features to fight falsification

PURPOSE: MAKING ANY ATTACK/CHANGE OF DATA TAMPER EVIDENT

PAPER & INKS WITH CHEMICAL REACTIVES
SECURITY DESIGN MIXED WITH PRINTED DATA
COMPLEX UV PRINTING OVER THE DATA

DATA TACTILE ENGRAVING
TACTILE LAMINATION OVER THE DATA
MLI/CLI
## Exotic documents

<table>
<thead>
<tr>
<th></th>
<th>Exotic</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How often</strong></td>
<td>Rare attacks</td>
</tr>
<tr>
<td><strong>What it is</strong></td>
<td>Creation of a fake document totally different from the real one</td>
</tr>
<tr>
<td><strong>Why it happens</strong></td>
<td>The design of the document is too ordinary and/or unknown</td>
</tr>
<tr>
<td><strong>Solution</strong></td>
<td>Very specific design, highly memorable. Communication.</td>
</tr>
</tbody>
</table>
### Other types of document & ID frauds

<table>
<thead>
<tr>
<th></th>
<th>Blank stolen</th>
<th>Look alike</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How often</strong></td>
<td>Highly variable</td>
<td>Growing trend</td>
</tr>
<tr>
<td><strong>What it is</strong></td>
<td>Document stolen before personnalisation</td>
<td>Fraudulent use of a document belonging to a third party</td>
</tr>
<tr>
<td><strong>Why it happens</strong></td>
<td>Non secure storage</td>
<td>No/few easily controllable physical characteristics</td>
</tr>
<tr>
<td><strong>Solution</strong></td>
<td>Close spaces, restricted areas. Centralized personalization. Secure transport &amp; numbering for better flows traceability.</td>
<td>Biometric enrolment</td>
</tr>
</tbody>
</table>

![Lock icon with text](Image)

![Document images](Image)

![Biometric enrolment icon](Image)
Awareness, knowledge and tooling for efficient detection

Awareness (alerts about frauds types & new docs)

→ Communication toward on-field agents

Knowledge (about detection methods)

→ Basic training is critical

Tooling (for effective on-field controls)

→ Simple and affordable tools make a difference
1. Audit existing processes to obtain ID documents

2. List the important required documents: SECURE THEM
   - Secure design & raw materials
   - Personalization
   - Encrypting data

3. Digitalize the workflow, create secure databases with encryption
Interoperability & standardization
We will be pleased to welcome you on booth D7

Integrator of security solutions for governments

The digital support of this presentation (with additional contents) is available on request