BIOMETRY IN IDENTITY DOCUMENTS ECOSYSTEM
AGENDA

• Why ID document is that important

• Biometry as indispensable feature of modern ID documents

• Examples of comprehensive issuance system and its main components

• Not only biometry that matters
WHY ID IS THAT IMPORTANT

- ID document is crucial for building efficient state administration
- ID document is the focal point of citizens identity records stored and managed by the State

Breeder Documents
- Currently available scattered documents

Central registers
- Current central register

Data encrypted in the document
- Issued documents in the filed with credible data available also in offline mode.

Document issuance database
- Database with data from central register and enrolment data
WHY ID IS THAT IMPORTANT

Having ID document is basically the prerequisite of:

• The right to use all services rendered by the State / Municipal authorities
• The right for health care and social care services
• The right to vote
• The right to cross borders

ID documents facilitate:

• Security Measures / Law Enforcement
• Payments and taxes
• Proper management of privacy question
Biometry as indispensable feature of modern ID documents

Would you still be willing to issue such a document as Fridrich Nietzsche used:

Is such a passport still consivable:
Biometry as indispensable feature of modern ID documents

- Face
- Fingerprints
- Iris

Natural link between a physical document and a real person – especially when used together.
• Globally interoperable biometric
• Contactless chip
• International standardized Logical Data Structure
CHARACTERISTICS AND ARCHITECTURE OF THE ISSUANCE SYSTEM

- ICAO and ISO compliant
- Secure solutions
- Three biometric features
- Functions in online/offline mode
• Collection of all data required for issuance of an eDocument
• Emission of the document after personalization
• Verification before emission with biometric data
- Principal module for management
- Storage of all applications
- History of an application
- Communication with external databases
• ABIS
• Verification and identification of citizens
• Stores templates
• Verification of duplicity of entries
• Personalization of a physical document
• No limits to the machine type or style of personalization
• Quality assurance of the document
• Packing unit and dispatch
• Generation of certificates
• Verification of passports, expiry dates
• Confirmation of certificate validity
INTERFACE, FUNCTIONALITY AND ICAO COMPLIANCE
ISSUANCE SYSTEM INTEGRITY
MACHINE READABLE FEATURES – VERSO ID

- Origination from security feature well-known to majority of citizens
- Bases on personalized data
- No additional personalization machine needed
MACHINE READABLE FEATURES – NIR TIMESTAMP

- Near-infrared absorbing and inactive in daylight
- Detected by standard devices and sensors
- Possibility of printing variable data & images
- No additional space needed
- Blank cards eliminated
CONCLUSIONS

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<th>SECURITY</th>
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<td>• Elaborating unique security features</td>
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<td>• Merging sophisticated document production techniques with advanced IT / chip solution</td>
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<th>COMPLIANCE</th>
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<td>• Comprehensive customer needs analysis</td>
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<td>• Full adherence to international standards – ICAO / ISO / BSI</td>
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<th>EFFECTIVENESS</th>
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<td>• Creating complete issuance systems from document production and data collection to personalization and delivery</td>
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THANK YOU FOR YOUR ATTENTION

Piotr Machado
+48 727 042 171
p.machado@pwpw.pl

SEE YOU AT BOOTH D14