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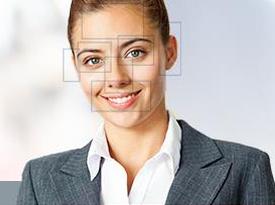
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#icaoTRIP



Harmonisation of EU border control capacities: Products and Activities

Tom van der Hor

Research Officer, Frontex - Research and Innovation Unit

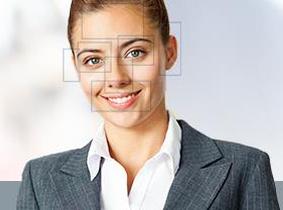
ICAO TRIP: Making Air Travel more Secure and Efficient

TOWARD BETTER TRAVELLER IDENTIFICATION MANAGEMENT

FOR ENHANCED BORDER CONTROL INTEGRITY



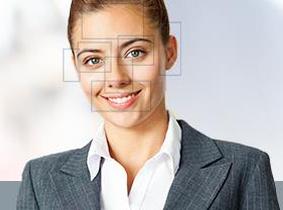
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Outline

- Mandate of Frontex
 - Research and Innovation Unit
 - Harmonisation of EU border control capacities:
 - ✓ Developed Products
 - ✓ Planned Activities
 - Frontex and Standardisation Bodies

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2004

Frontex
Warsaw, Poland



2015

Migration Crisis
1.8 million illegal
border crossings



2016

New Mandate
Regulation (EU)
2016/1624 est. the
European Border and
Coast Guard Agency



~500
staff

2017



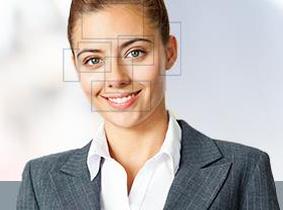
~1700
Deployed officers



1500
Rapid reaction
pool



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Mandate of Frontex

Frontex plays a key role in...

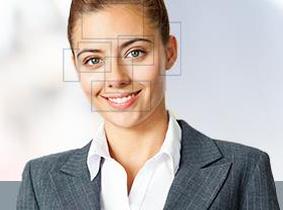
- Supporting EU countries and Schengen associated countries in managing their external borders
- Harmonising border controls across the EU
- Facilitating co-operation between border authorities in each EU country
- Providing technical support and expertise

“Support the development of technical standards for equipment ... to ensure interoperability at Union and national level”

Regulation (EU) 2016/1624, art. 8(j) and art. 39(4)



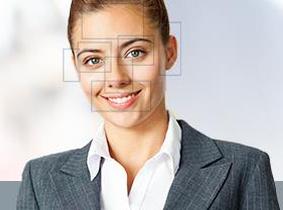
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Mandate of Frontex

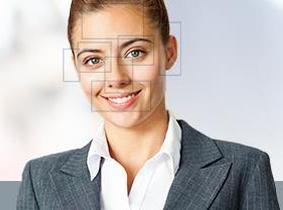
Areas of responsibility

- Risk analysis
- Joint operations
- Rapid response
- **Research**
- Training
- Joint returns
- Information-sharing



Research and Innovation Unit





Harmonisation of EU Border Control Capacities

Support the development and harmonisation of EU Member States' border control capacities

How?

- Examine areas of common practices
- Identify capability needs
- Develop guidelines, soft standards and capability tools
- Support the roll out and implementation of new technologies for border control
- Disseminate current practices, challenges/benefits and capability needs among relevant stakeholders

HARMONISATION

=

COMPATABILITY

+

PERFORMANCE

+

COST
EFFECTIVENESS



Developed Products

Guidelines for Automated Border Control Systems

- Best Practice **Operational** Guidelines for Automated Border Control (ABC) Systems
- Best Practice **Technical** Guidelines for Automated Border Control (ABC) Systems
- Guidelines for **Processing of Non-EU Nationals** through Automated Border Control





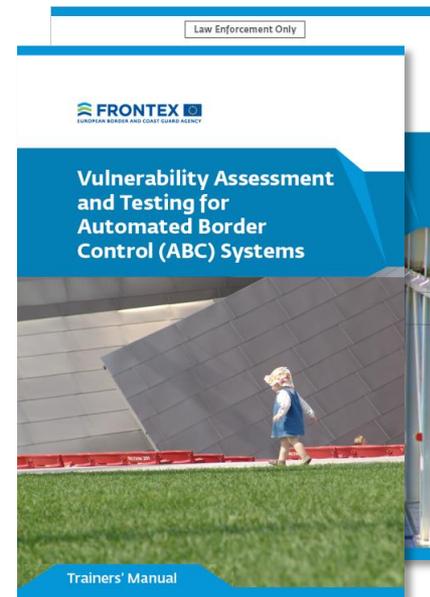
Developed Products

Harmonised training capabilities for ABC systems...

- Intermediate-level training on ABC Systems for First Line Officers
- Advance-level training on Vulnerability Assessment and Testing for ABC systems targeting ABC project managers and/or specialised experts

Methodology

- Face-to-face training courses
- Self-directed online courses
- Multi-stakeholder co-operation
- **Law Enforcement Only**





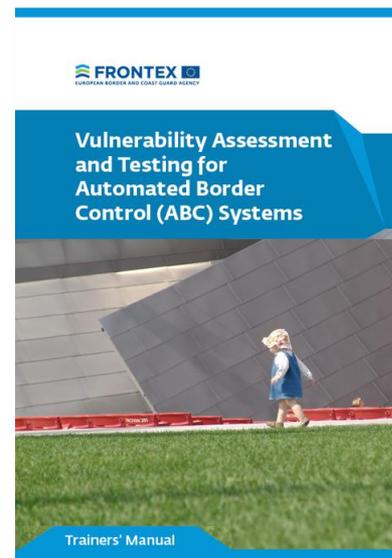
Developed Products

Vulnerability Assessment and Testing for ABC systems:

- Concepts and basics of vulnerability assessment
- Methods of assessment and testing
- Biometric and non-biometric attacks
- Testing and mitigation of security risks on ABC systems

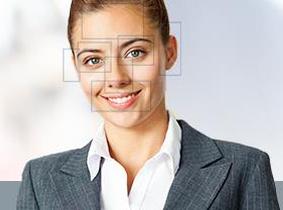
Developed

- In co-operation with BSI (German Federal Office for Information Security)
- Biometric attacks: special study carried out on **image morphing**





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Why are these products important?

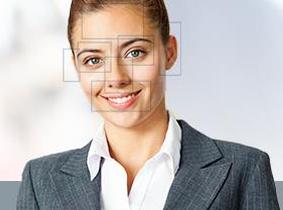
- Clarification of key operational, technical, and legal aspects of ABC implementations
- Safeguarding an efficient and effective management of ABC systems through harmonised training
- Consideration of the complexities of ABC-related duties and activities

Also...

- First EU-wide harmonised ABC training capability
- Conform the European Sectorial Qualification Framework (SQF) for border guarding



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Planned activities

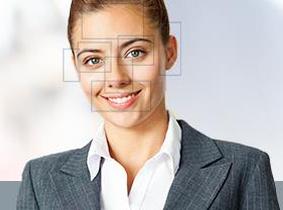
- Risk Management Workshop for ABC and biometric systems
- Performance Assessment Methodology for Document Inspection Systems

Products in the pipeline...

- Common Procurement Guidelines for Automated Border Control (ABC) Systems
- ABC Challenge Catalogue
- Revision of current ABC training tools + availability to non-EU countries on case-by-case basis



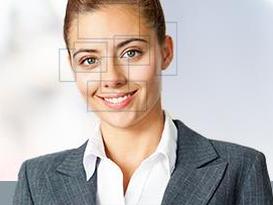
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Frontex and standardisation bodies

Importance of **standardisation** to the harmonisation of the EU's border control capacities

- CEN WG18
- ISO/SC 37/WG 4 (interest to proactively contribute to SC17/WG 3 on documents)
- ICAO WGs
- Article 6 Committee (European Commission's technical sub group)
- National agencies (e.g. BSI)



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