

ERNCIP – Aviation security detection equipment

Göran Lövestam
Joint Research Centre
www.jrc.ec.europa.eu

*Serving society
Stimulating innovation
Supporting legislation*



Aviation Security in EU policy – two tracks...

✓ Security

REGULATION (EC) No 300/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 11 March 2008
on common rules in the field of civil aviation security and repealing Regulation (EC) No 2320/2002

✓ Single market

The Security Industrial Policy

A harmonised certification procedure at EU level for aviation security screening products.

ERNCIP Aviation Security Detection Equipment (2012-2013):

- Technical specifications and detection requirements
- Common testing methodologies
- An EU certification system for avsec equipment

<i>Nat. labs and authorities</i>	<i>Industry</i>	<i>Int. org.</i>	<i>EC</i>
DE / BAM, Bundespolizei, Fraunhofer ICT DK / Danish Transport Authority ES / Aviation Security Agency (AESA) FI / FINAVIA FR / CEA, STAC IT / ENEA NL / TNO, Ministry of Security and Justice RO / Ministry of Transport SE / FOI UK / DfT	EOS ICONAL L-3 Morpho Multix Detection Rapidscan Smiths	ECAC ACI IATA	MOVE HOME (ENTR) JRC

Studies carried out in (3) Working Groups...

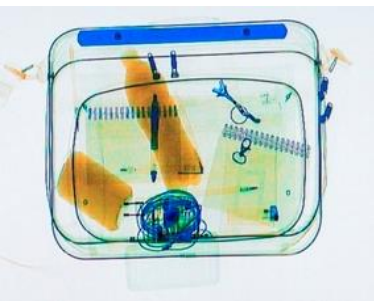
The Commission is implementing legally binding technical specifications and performance requirements in EU legislation for various types of security screening equipment used at EU airports, including:

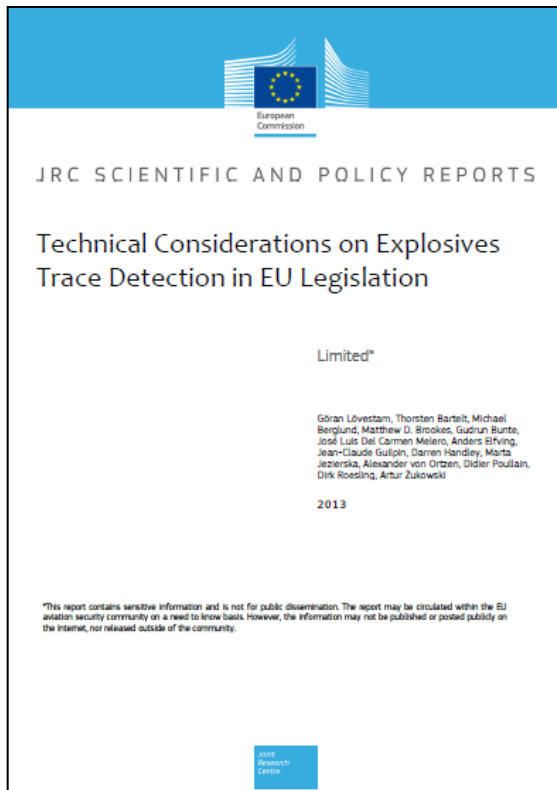
- Eligible equipment
- Performance requirements (threat materials, detection/false alarm rates, standards, etc.)
- Guidance

COMMISSION REGULATION (EU) No 185/2010

of 4 March 2010

laying down detailed measures for the implementation of the common basic standards on aviation security





Review by member states expert group on implementation of Explosives Trace Detection in EU policy:

- Definition of ETD
- Detection requirement standards
- Conformity testing methodology, reference materials
- Concepts of operation, guidelines
- Proficiency testing
- Acceptance, routine and long-term testing
- Training of operators
- New technologies...





Single market - The Security Industrial Policy

**Communication from the Commission to the European Parliament, the Council and the European Economic and Social Committee
COM (2012) 417 Final**

Approved July 2012

Backed by the Council of the European Union, which, in December 2012, emphasised:

"...the need for a better functioning internal market for security products and technologies with a view to enhancing the competitiveness of the sector..."

"...there exists a whole body of EU legislation which sets out the performance requirements for such (*airport screening*) equipment.

...

However, this legislation does not contain the required conformity assessment mechanism so that certification of screening equipment in one Member State would be mutually recognized in any other Member State."

Policy development (subject to approval of impact assessment - 2015)...

- The European Commission will draft a Directive-based legislative proposal.
- The equipment technical requirements will be defined in accordance with the existing EU legislation (Regulation 185/2010).
- The testing methodologies will be based on ECAC CTM's reviewed by the JRC and member states experts (ERNCIP).
- Testing laboratories will be accredited on the basis of existing European and international standards.





JRC SCIENTIFIC AND POLICY REPORTS

Detection Requirements and Testing Methodologies for Aviation Security Screening Devices in the EU and EFTA

Göran Lövestam, Sari Lehto, Jean-Claude Guilpin, Sander Olivier, José María Peral Pecharroman, Jaap de Ruiter, Rainer Weinzierl, Ben Wong and Artur Żukowski

2013



Joint
Research
Centre

Based on a questionnaire sent to member states authorities:

- The appropriate authority and contact information;
- Issuing product certificates;
- Responsibility for procurement of equipment;
- Requested approval(s)/certificate(s)/information for procurement;
- On-site acceptance tests;
- On-site maintenance;
- On-site routine testing;
- Sensitivity settings procedures.

➔ **27 EU and EFTA member states responded.**

2. Does your Member State issue product certificates, or other type of official approvals, for aviation security equipment regarding threat detection performances?

Reply	Number of responses	Share of responses	Share of EU/EFTA passenger flow
Yes	18*	66.7%	71.3%
No	9	33.3%	24.5%
Total	27	100.0%	95.8%

* Four countries issue certificates.

2.5 Are other EU Member States and/or ECAC informed about issued approvals/certificates?

Reply	Number of responses	Share of responses	Share of EU/EFTA passenger flow
Yes	0	0	0
No	15	83.3%	67.4%
No reply	3	16.7%	3.9%
Total	18	100.0%	71.3%

4. What approval(s)/certificate(s)/information are requested for an eligible tender concerning performance requirements and conformity to Regulation?

Reply	Number of responses	Share of responses	Share of EU/EFTA passenger flow
Approved/certified by a dedicated entity in Member State	7	25.9%	55.1%
Passed ECAC CEP	20	74.1%	67.7%
'Complies with EU Regulation'	20	74.1%	62.5%
Approved/certified by other Member State(s)	12	44.4%	28.5%
Used by other Member State(s)	3	11.1%	3.3%
TSA approved	5	18.5%	9.0%
None	1	3.7%	2.7%
Other (please specify)	0	0%	0%

Joint Research Centre (JRC)

*The European Commission's in-house
science service*

ec.europa.eu/jrc/

goeran.lovestam@ec.europa.eu

Thank you for your attention

