AVSECPaedia

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ICAO Standards and Recommended Practices (SARPs)

- **Annex 17, Security, 2.5** - Equipment, research and development

- Three Recommendations:
  - Deploy security equipment to achieve security objectives;
  - Promote research and development; and
  - Take human factors into consideration.
Assembly resolutions – information sharing

• Share expertise, best practices and information relating to preventive security measures.

• Establish technological platforms for information exchange.
AVSECPaedia

• Established 2011

• Web-based secure platform providing information on tested screening methods, technologies and equipment.

• Equipment endorsed by the States providing the details, not by ICAO.

• No global standard and may not meet all States’ requirements.
Access to AVSECPaedia

- Two levels of access:
  - **State User** – read-only access
  - **State Editor** - can also edit/upload documents on to State page for sharing

- Each Member State has own page.
  - 9 States and 1 International Organization have contributed so far
  - 331 Active Users
Home Page

- Everything can be accessed from the Home Page
Types of equipment listed

Broken down into 9 ICAO-categorized screening methods

<table>
<thead>
<tr>
<th>Security Check</th>
<th>Persons</th>
<th>Cabin Baggage</th>
<th>Hold Baggage</th>
<th>Cargo and Mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algorithm based X-Rays</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Body Scanners</td>
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<tr>
<td>Conventional X-Rays</td>
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<td>✓</td>
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<tr>
<td>Explosives Detection Dogs</td>
<td></td>
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<td></td>
<td>✓</td>
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<tr>
<td>Explosives Trace Detectors</td>
<td>✓</td>
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<td>✓</td>
<td>✓</td>
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<tr>
<td>Hand-held Metal Detectors</td>
<td>✓</td>
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<tr>
<td>Liquid Explosives Detection Systems</td>
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<tr>
<td>Shoe Scanners</td>
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<tr>
<td>Walk-through Metal Detectors</td>
<td>✓</td>
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</tbody>
</table>

Database currently has:

- 41 Equipment Manufacturers
- 262 Models
Master list

- Can set combined query criteria
- Can export results to Excel table

AVSEC PAEDIA Master Equipment List
Iconography

Icon Legend

Certified For

- Cabin Baggage
- Cargo
- Hold Baggage
- Liquids
- Mail
- Passenger
- Shoes

Detection Capabilities

- Blunt instruments
- Explosives
- Guns and devices discharging projectiles
- IED components
- Incapacitant sprays
- Incendiaries
- Knives and sharp objects
- Stunning devices
## Guidance material

<table>
<thead>
<tr>
<th>Type</th>
<th>Name</th>
<th>Modified</th>
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<tbody>
<tr>
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<td>Equipment Procurement Process</td>
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<tr>
<td></td>
<td>Setting up Operational Trials</td>
<td>23/04/2015 4:07 PM</td>
</tr>
<tr>
<td></td>
<td>Technical Specifications</td>
<td>23/04/2015 4:07 PM</td>
</tr>
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</table>
Requesting Access to AVSECPaedia

- Existing user – Subscribe to AVSECPaedia
- New user – Request an account
AVSECPaedia Tutorial

- 15 mins to complete
- 5 sections
- How to search
- How to create State Page
Creating State Page

- Representative of Appropriate Authority
- Create new entries
- Edit existing entries
- Add new equipment to the Master List
Future Concepts

- Industry page
- Repository of trials and pilots
- Modelling and Simulation Tool
- Technology and Processes Catalogue
- Next Generation Information Exchange Forum
Questions, Comments & Suggestions

• Can we make it more user-friendly or useful?

• Do we need additional functions?

• Please send comments to avsecpaedia@icao.int
Thank You!

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