

Aviation Security, Facilitation and MRTD synergies

International Civil Aviation Organization (ICAO)

Air Transport Bureau (ATB)

Aviation Security and Facilitation

Specifications and Guidance Material (SGM) Section



Who are we?

- UN Specialized Agency (190 Members)
- ICAO - International Forum
 - AVSEC/FAL Panels, AH-DE, IETC, TAG-MRTD meetings
- ICAO - International Requirements/Harmonization
 - Annexes 9 / 17 & Guidance Material
- ICAO - International Implementation
 - Assistance & Training
- ICAO - International Verification
 - Audits



AVSEC-FAL in ICAO

AVSEC – Annex 17

- Prevent and safeguard international civil aviation against acts of unlawful interference against civil aviation throughout the world
- Identification / detection of dangerous items which may be used to commit an act
- Background checks on persons other than passengers (Standard 4.2.4, Annex 17)



AVSEC – Current threats

- Hijacking
- Sabotage
- MANPADS
- Suicide attacks
- Attacks at airports
- Use of aircraft as weapon
- Cargo?
- New technology attacks?
- Others?
- But also liquids, lighters, cisors, etc?



AVSEC – new vulnerabilities

- Enhanced security measures and additional vulnerabilities
 - Processing time (financial)
 - Staffing and equipment (operational)
 - Queues (security as targets)
 - Stress (fear of travelling, unruly)
 - Focus on new vulnerabilities?
- Need to shift from threat assessment to security risk assessment (Standard 3.1.3, Annex 17)



AVSEC risk assessment

- Roots of the threat
- Dynamic pressures
- Vulnerabilities, unsafe conditions
- Identification of the risks
 - Analysis
 - Evaluation
 - Treatment
 - Monitoring and review



AVSEC-FAL in ICAO

- FAL – Annex 9
 - Simplifying the business
 - Identification of « safe » passengers
 - Quality of service
- Focus on the passenger
 - Advance Passenger Information
 - Advance background checks on pax



AVSEC-FAL in ICAO

- MRTD and eMRTD – Doc 9303 (I, II, III)
 - Passports, e-passports, visas & IDs
 - Integrity and security of the issuance and delivery of travel and identity documents
 - Machine-assisted security verification
 - Prevention of fraud
 - other biometric applications (i.e. airport access control, CCVID)



FAL-MRTD issues

- Use of ICAO MRTDs specifications
 - Law enforcement agencies (passports)
 - World Tourism Organization
 - ISO and others
- Extension of MRTD specifications
 - MR-chips
 - Airport IDs, IATA RFID chips
 - Other applications (STEB?)



AVSEC-FAL-MRTD synergies

➤ AVSEC

- Dangerousness of items, threats

➤ FAL

- Information on passengers, clearance

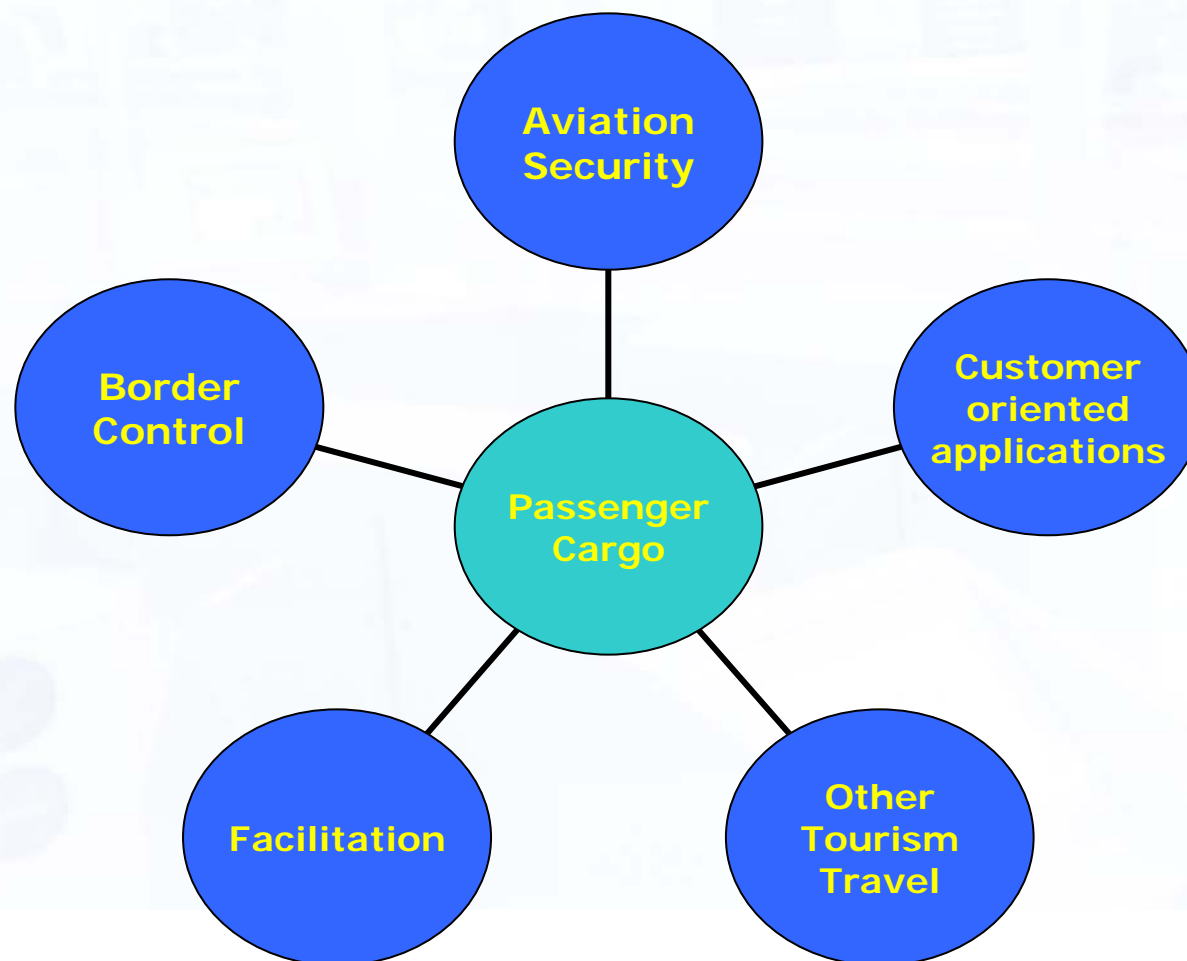
➤ MRTD

- Identification / authentication of passengers

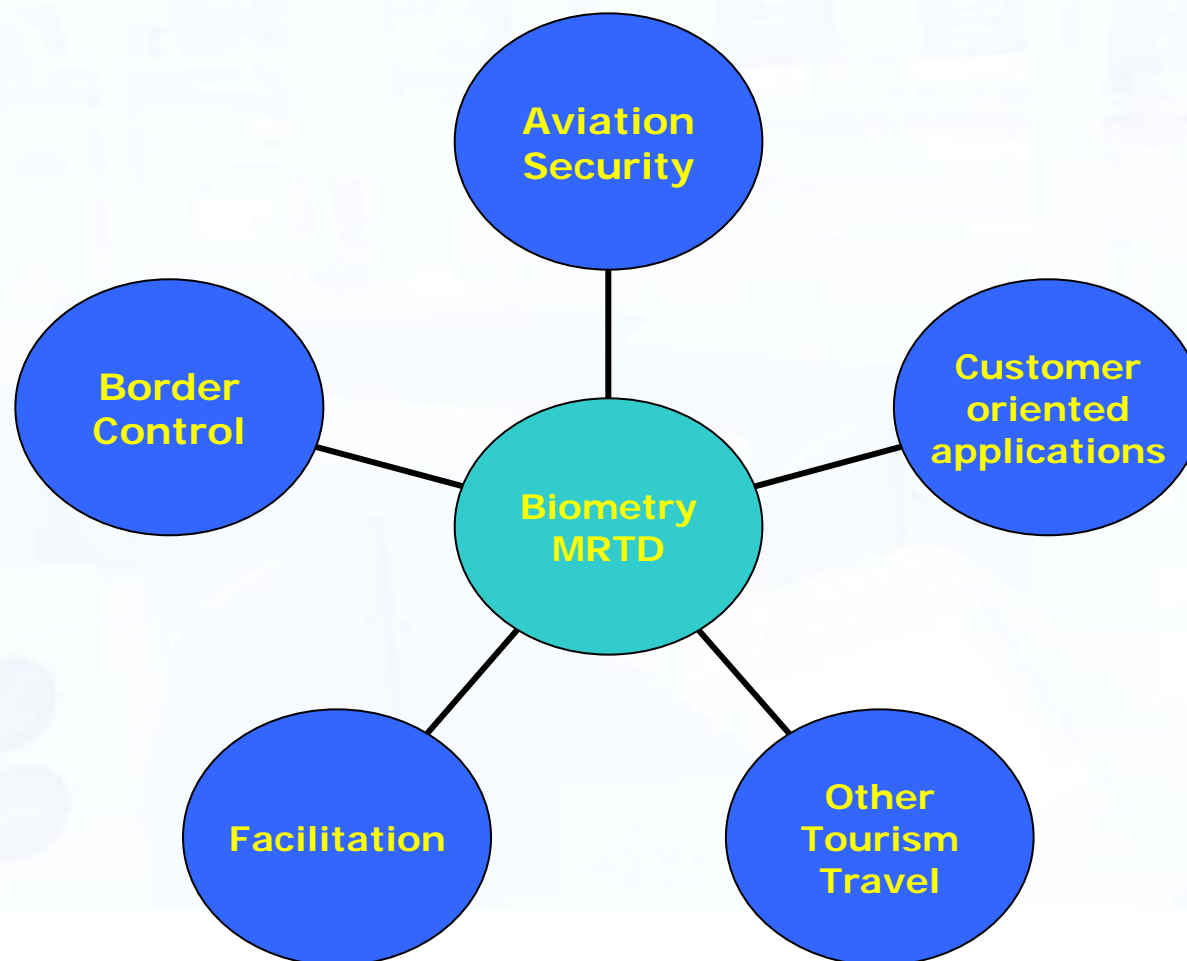
➤ Need for AVSEC risk assessment



AVSEC-FAL risk assessment



AVSEC-FAL risk assessment



AVSEC-FAL risk assessment



What is still needed?

- 7th edition of the Security Manual
 - Airport design, new PSPs
- New security technologies integrating biometry
- New provisions in Annex 17
- New provisions for e-passports and e-visa in Annex 9
- Cooperation



Cooperation

- Intensify and accelerate exchange of operational information on:
 - Movement of terrorists
 - Forgery and falsification of travel documents
 - Other Organizations
- Common Projects — Transliteration Arabic
- Exchange of information — ICAO PKD
- UIMRTD Assistance & Technical Cooperation



THANK YOU!

Questions?

sgm@icao.int

www.icao.int/atb/sfbranch

<http://mrtd.icao.int>

