General overview: Emerging security threats in the aviation industry

ICAO – Legal Seminar

27 – 28 November 2017, Nairobi – Kenya
ICAO Strategic Objectives (2014-2016)

- Enhance global civil aviation safety
- Increase the capacity and improve the efficiency of the global civil aviation system
- Enhance global civil aviation security and facilitation
- Foster the development of a sound and economically-viable civil aviation system
- Minimize the adverse environmental effects of civil aviation activities
New Strategic Objective C – Enhance Global Security and Facilitation

• This Strategic Objective reflects the need for ICAO’s leadership in aviation security, facilitation and related border security matters
Civil Aviation Security Threats and Vulnerabilities

• Threats worldwide are continuing, evolving and challenging to predict.
• All facets of civil aviation are at risk – passenger aircraft, air cargo, airports, and related facilities and operations.
• New and emerging threats – suicide bombers, cyber terrorism, insider threats, MANPADs
• Transnational Crime (Drug trafficking, Human trafficking)
• Aircraft as weapon of mass destruction
• Despite improvements, Aviation Security Audits show many States with serious deficiencies:
  ➢ compliance with Standards and Recommended Practices
  ➢ adequacy of oversight systems
Threats to Civil Aviation
Manpads Attacks

- Baghdad DHL aircraft (2003)
- Mombasa Israeli Boeing 757 attempted attack (2002)

TSA Shows Off Crazy High Heel Guns It Confiscated From LaGuardia Checkpoint
West Africa: Air Cocaïne

• “Air Cocaine” incident in November 2009, when the burnt-out carcass (shown above) of an elderly Boeing 727 believed to have been transporting up to 11 tons of cocaine was found abandoned in the desert north of Gao, Mali.

• It is believed that the plane, had been flown direct from Venezuela - one of an entire "fleet" of decrepit airliners pressed into service by cartels.
Recent Unlawful Acts

• Malaysia Airline still missing
• Russian jetliner over Egypt’s Sinai Peninsula - 224 dead
• Recent Airport attacks in Belgium and Turkey
• Deadly explosion on Somali jet-Daallo
• Egypt Airline Hijack in Libya
Civil aviation as a Target

- Ability to inflict mass casualties
- Ability to inflict damage to economy or travel
- Ability to disrupt scheduled air travel
- High profile
Civil aviation as a Target

• Vulnerable due to high pax traffic
• Limited risk to perpetrators
• Symbolic statement generating media imagery
• Generate public anxiety
Threat Scenarios

- Airborne threat (conventional Hijack Vs aircraft used as weapons)
- Person IED
- Vehicle-borne IED, Cargo IED
- Chemical, biological and radiological attacks
- Sabotage
- Cyber attacks
- Other weapons (knives, firearms, blunt instruments)
- MANPADS (in combat area on not)
Annex 17: Security (AVSEC)

• Lead and support global efforts to establish sustainable civil aviation security regimes and oversight systems to:
  – prevent unlawful interference with civil aviation;
  – respond effectively to attacks and attempted attacks; and
  – assure the safe and efficient movement of people and goods
Facilitation is the efficient management of (customs, immigration, health and quarantine) **border control** processes, to expedite clearance (of **aircraft, passengers/crew, baggage and cargo**) and to prevent unnecessary delays.

- Maintain stability of supply chain
- Support economic growth
- Enable sustainable development of air transport
- Maintain security and flight safety

Annex 9 to the Chicago Convention
- facilitation of landside formalities for clearance of aircraft, passengers, goods and mail
- requirements of customs, immigration, public health and agriculture authorities
Balancing Security and Facilitation

**Improving security**
- SECURITY
  - Policy development
  - Audit
  - Training/assistance

**Efficient operations**
- FACILITATION
  - SARPs
  - Guidance
  - Assistance

**Balance**
Current aviation security and facilitation situation in Africa

Situation is below the global average, indicating that many States in Africa are unable to properly oversee aviation security and facilitation.
Current Aviation Security and Facilitation Situation in Africa

Current Aviation Security and Facilitation Situation in Africa

Challenges include:

- inadequate enforcement powers allocated to the designated Appropriate Authority for security;
- inadequate or inefficient infrastructure and services; insufficient funds, and;
- lack of coordination, and duplication of capacity-building efforts.
Considerations:

- Tenuous security environment in Africa: conflict zones, terrorism, transnational organized crime (drug, human being trafficking), proliferation of weapons (Manpads), etc.
- Growing passenger traffic (4.8 per cent in 2015).
THANK YOU