



ICAO AFI AVIATION WEEK 2ND SECURITY & FACILITATION SYMPOSIUM

THE INSIDER THREAT

***Countering terrorism in Africa through efficient Aviation
security and facilitation***

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Definition of a Threat in Civil Aviation

Something or a situation that poses a risk or a likelihood of danger or jeopardy to the safety of Civil Aviation – is a Threat





Types of Threats to Civil Aviation

1. Sabotage of aircraft/airport
2. Unlawful seizure of aircraft
3. Destruction of airport facilities, NAV Aids
4. Communication of false information in order to jeopardize the safety of civil aviation
5. Use of aircraft in service to cause death or destruction to property and facilities



Types of Threats to Civil Aviation ...cont'd

6. Cyber threats
7. Insider threats
8. MANPADS





Definition of Insider Threat

A malicious **threat** to civil aviation that comes from within the industry, airport or airline etc. stakeholders, such as employees, former employees, contractors or business associates, who have inside information concerning the organization's security practices, data and ICT systems.



Potential Candidates of Insider Threat

1. Airport staff
2. Stakeholder Airport Based Employees
3. Security Officers/screeners
4. Law Enforcement Agents
5. Aircraft Crew Members
6. Disgruntled dismissed employees



Potential Candidates of Insider Threat ... cont'd

Note: The potential candidates of **Insider Threat** are different from persons who are considered as a threat to Civil Aviation e.g.

- Terrorists
- People with revengeful Motives
- Criminals
- Mentally Challenged Persons



Examples of Acts of Unlawful Interference

- 27th June 1976 – Hijacked Air France Airbus A300 flight AF139 from Athens with 248 passengers flown to Entebbe.
- 13th Oct 1977 – Hijacked Lufthansa Boeing B737-200 Adv flight LH181 flown to Mogadishu
- 28th Feb 1982 – Hijacked Air Tanzania plane with 90 pax flown to Stansted, UK
- 3rd Dec 1984 – Hijacked Kuwait Airways B747 Flt KU221 to Karachi diverted to Teheran



Examples of Acts of Unlawful Interference ... cont'd



- 5th April 1988 – Hijacked Kuwait Airways B747 Flt KU422 from Bangkok to Kuwait
- 28th November 2002 – Mombasa 2 simultaneous MANPADS (SA-7 missile) attack on an Israeli Arkia Airlines B757 jet during take-off
- Malaysia Airline MH380 from Kuala Lumpur (Still missing)



Factors that make Insider Threat a Challenge

1. PTSD – Post Trauma Stress Disorder
2. Benefit of doubt for authorised personnel
3. Identity theft
4. Vastness of airport
5. Advancement in Technology



FACTORS THAT MAKE INSIDER THREAT A CHALLENGE

Example of OR Tambo Intl Airport:

- >1,000 airport employees
- >27,000 stakeholder airport based employees
- 16,300 parking bays



MITIGATION MEASURES AGAINST INSIDER THREAT

- Proactive approach to reporting suspicious activities
- Pre-employment background checks to make sure your employees do not damage the integrity of your business.
- Practical vetting techniques
- Risk management for your workforce
- Allocating resources to create a professional recruitment and vetting program

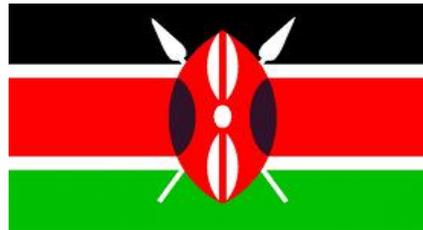
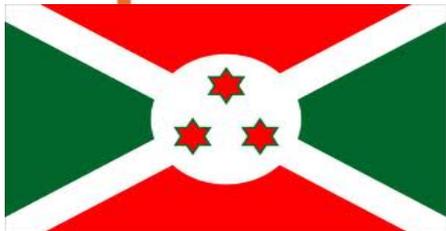


MITIGATION MEASURES AGAINST INSIDER THREAT ... cont'd 2

- Allocating resources to create a professional recruitment and vetting program
- Voice stress analysis, psychometric testing, and other technical aids for evaluating a candidate
- Adopt a risk management approach to selecting your workforce and allocating resources



THANK YOU



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