



MANPADS: The Threat to Civil Aviation

An Industry Perspective

Iain Jack
Senior Security Advisor - IATA

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MANPADS -Threat

➤ Main Threat Types:

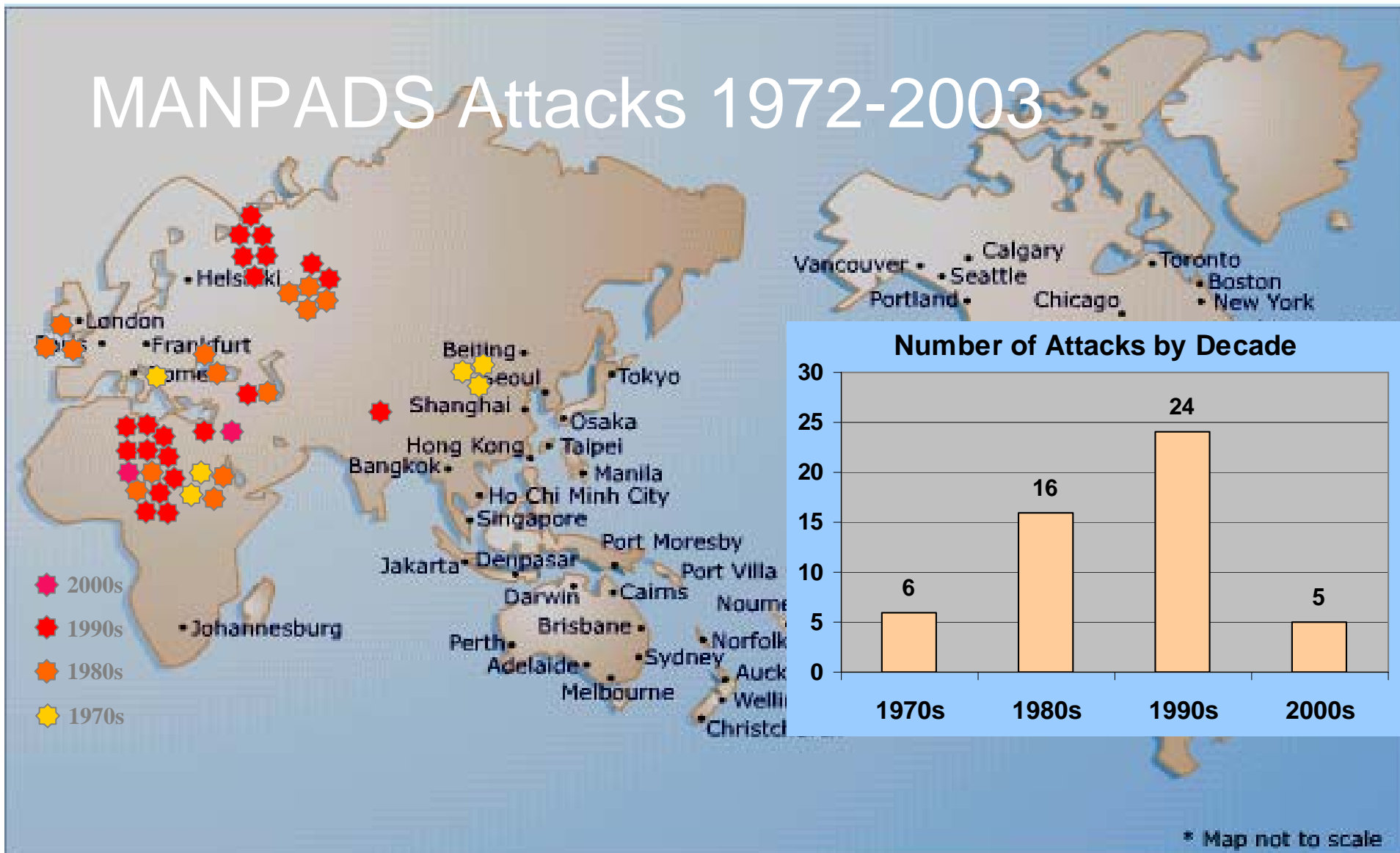
- SA-7 Family (Strela)
- SA-14
- SA-16, 18 (Igla)
- Stinger
- QW-1

➤ Main Threat Features:

- Easy & Simple to operate
- Low cost
- Available & Transportable
- Heat Seeking
- Range: 0.5-5 Km
- Speed: 1.5 - 2.5 Mach
- Quantities: >600,000

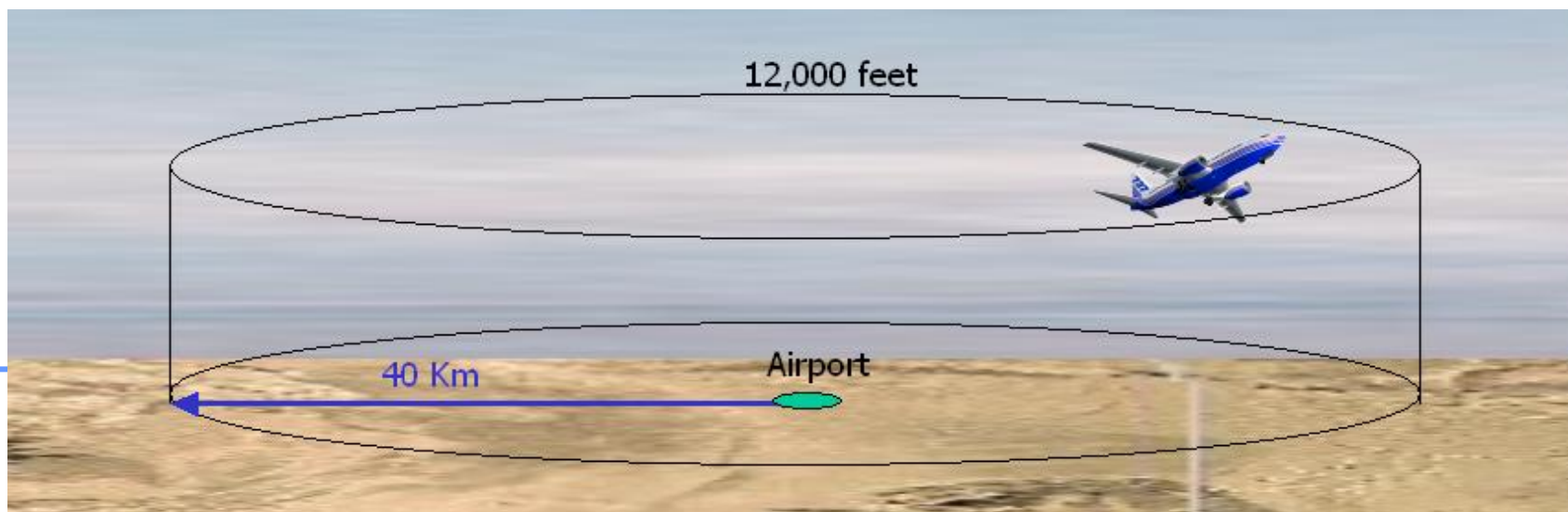


MANPADS Attacks 1972-2003



MANPADS - Endangered Zone

- Vulnerability approx. 300 sq miles around airfield
 - 25 mi (40 km) each end x 6 mi wide
- Up to 12,000 ft
- Different arenas:
 - Exceeding airfield neighborhood
 - Over land, sea, metropolitan area, etc.



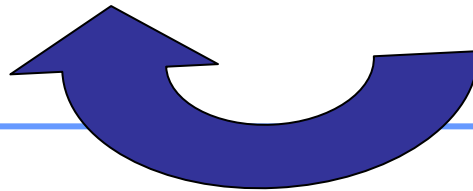
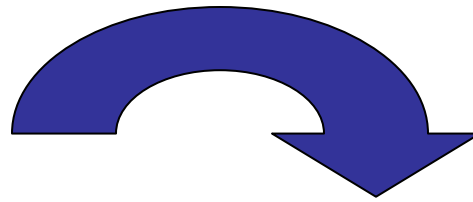
MANPADS – IATA Position

➤ State Responsibility



MANPADS – IATA Position

➤ Restrict Sale and Movement



MANPADS – IATA Position

➤ Airport (tactical) countermeasures



MANPADS – IATA Position

➤ On-board (technical) countermeasures



IATA Work Plan 2007+

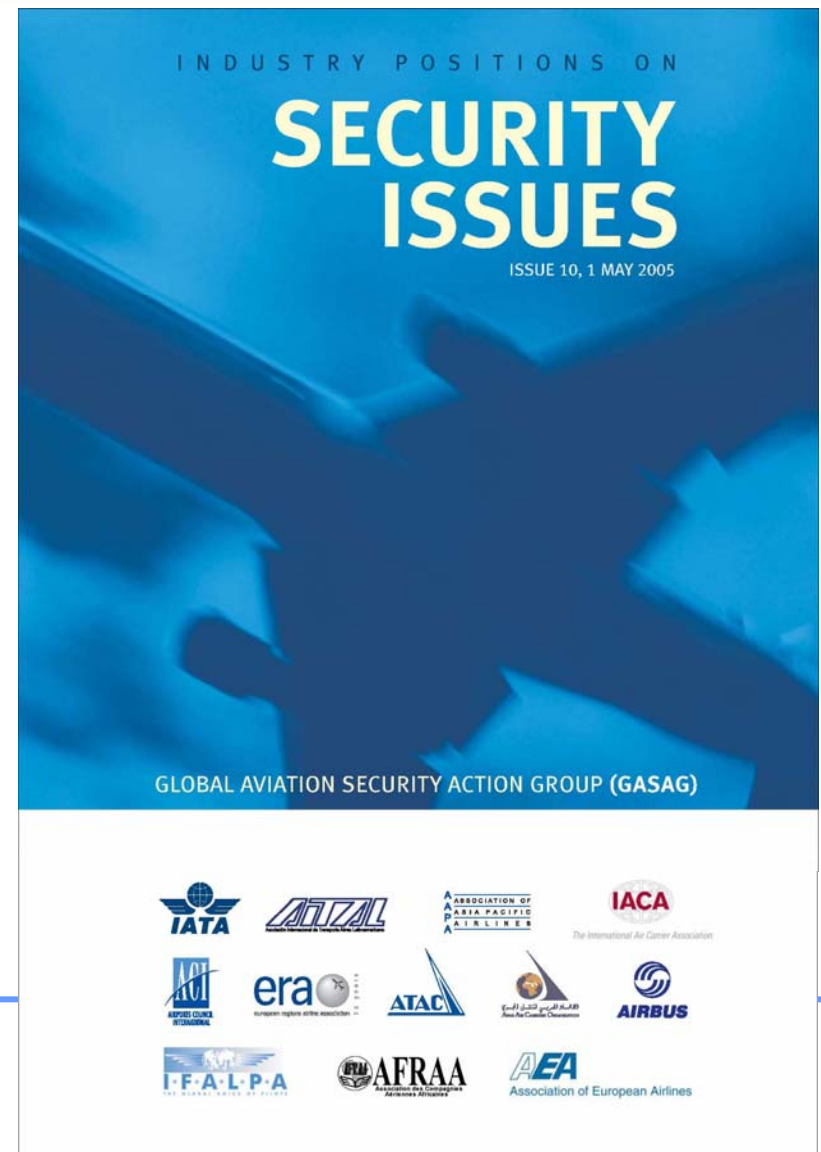
➤ Position papers

➤ Ops Specs

➤ Funding & Extraterritoriality

➤ Work with governments

➤ Support Ops testing



IATA Work Plan 2007+

- Work with governments
- Support Ops testing
- Monitor legislation





IATA Work Plan 2007+

- Expand anti-proliferation
- Promote airport risk assessments
- Crisis management plan

