



ICAO

UNITING AVIATION

Tackling the High-risk Accident Occurrences

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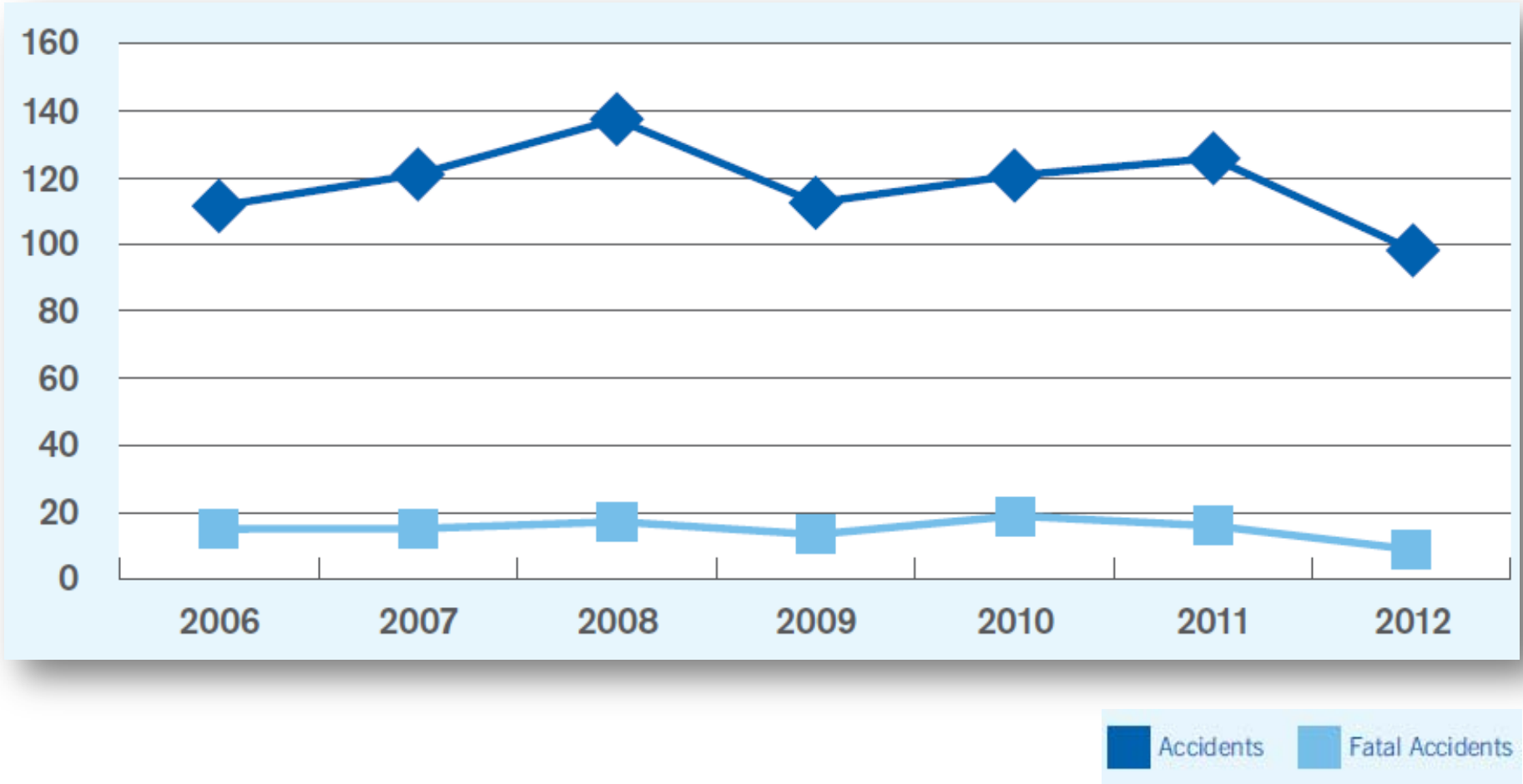
Plan of the Presentation

- Overview of accident statistics
- High-risk accident occurrences
- Global Aviation Safety Plan (GASP)
- ICAO initiatives to tackle:
 - Runway safety-related events
 - Loss of control in-flight (LOC-I)
 - Controlled flight into terrain (CFIT)



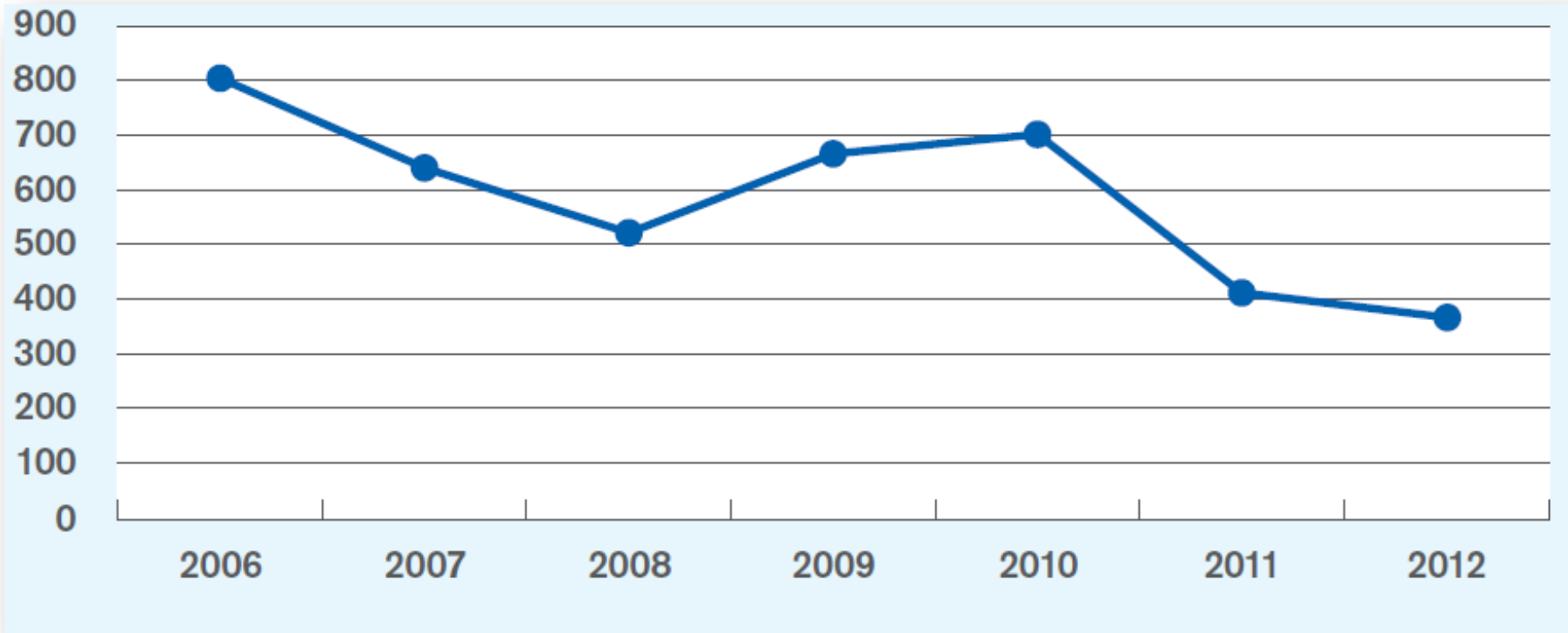


2006–2012 Accident Trends





Fatality Trends: 2006–2012



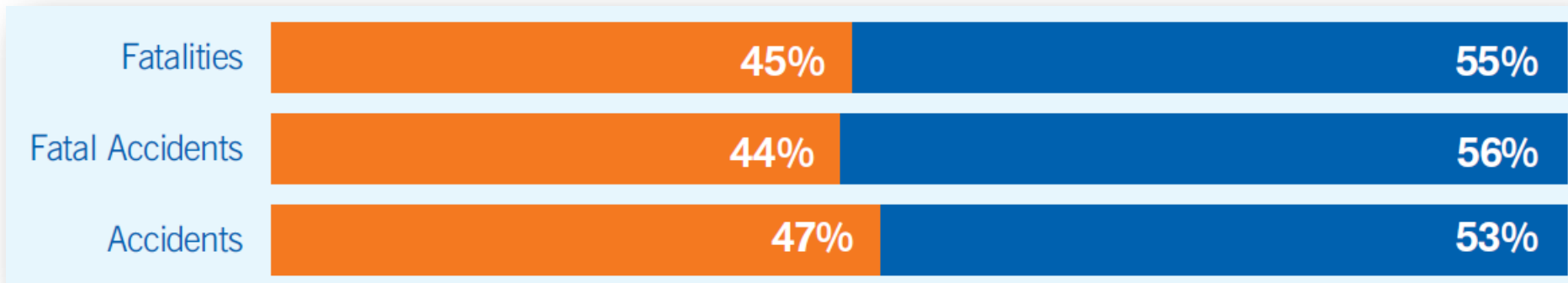
High-risk Accident Occurrences

- Based on data analysis, 3 categories:
 - Runway safety-related events
 - Loss of control in-flight (LOC-I)
 - Controlled flight into terrain (CFIT)





Distribution of High-risk Accidents



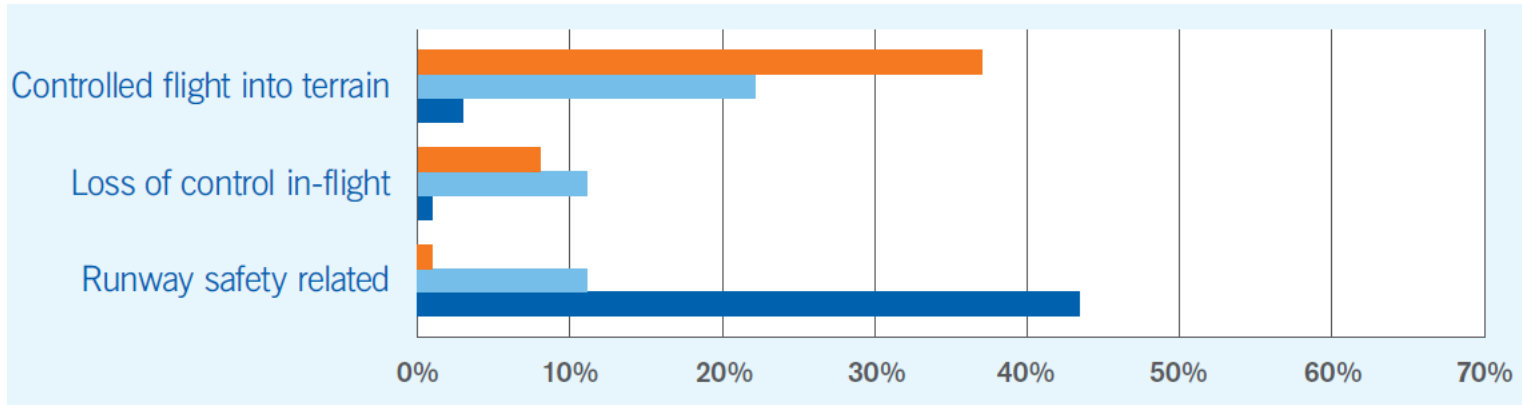
2012



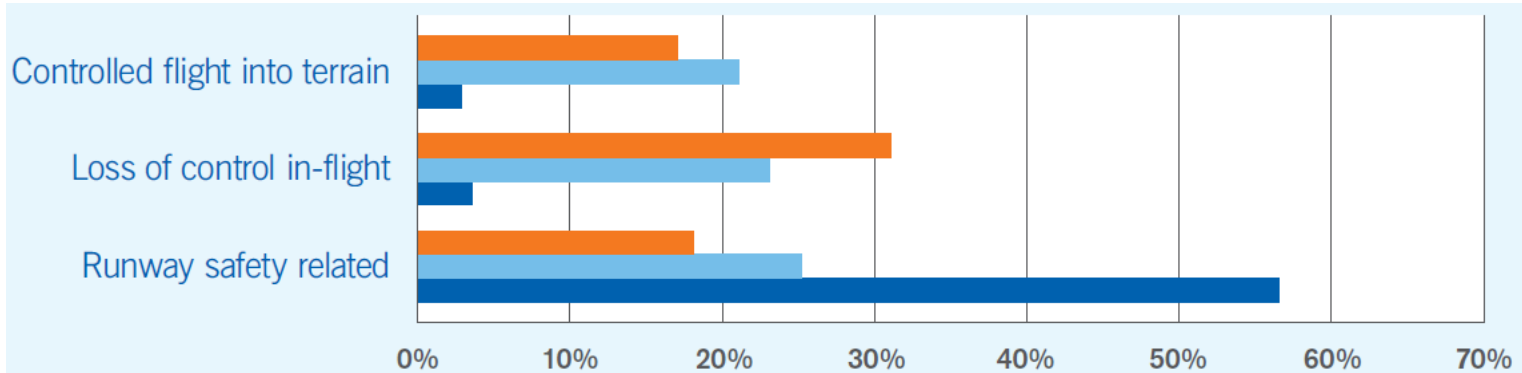
2006-2011



Percentage of All Accidents



2012



2006-2011

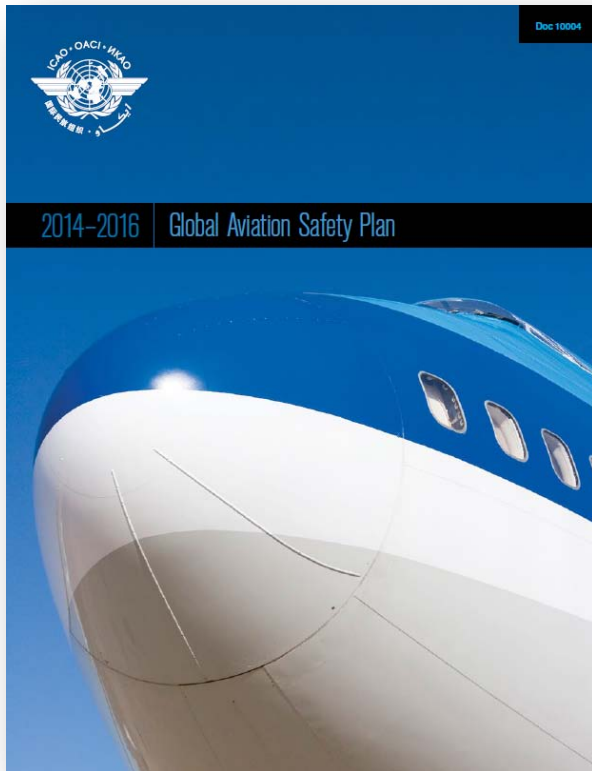
Fatalities Fatal Accidents Accidents

Focus on Runway Incursions



- With animals:
 - 9 accidents
- With vehicles/people/other aircraft:
 - 4 accidents

Support through Strategic Leadership: ICAO's Global Aviation Safety Plan (GASP)



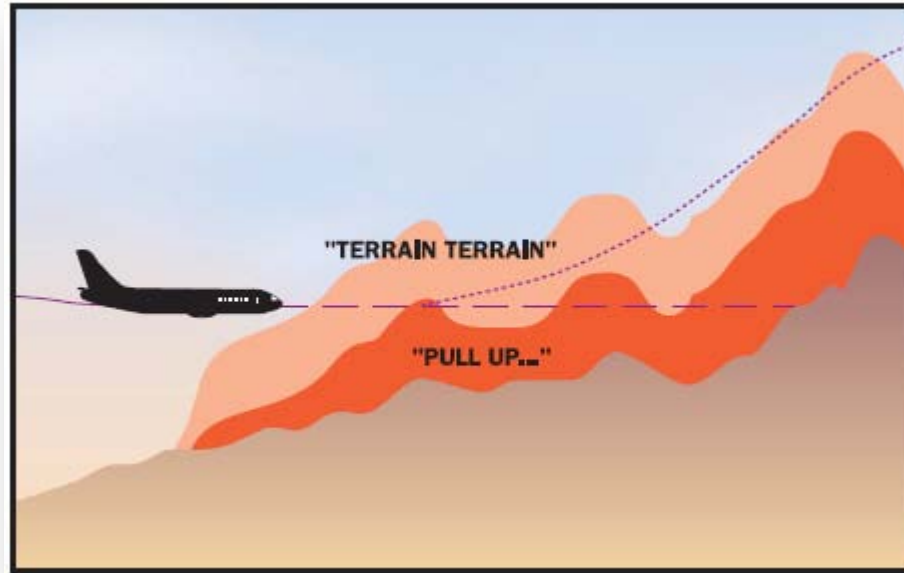
- Strategic tool to enhance safety
- High-level policy, planning and implementation document
- Revised in 2013
- Key priority is accident reduction
- Highlights activities to improve safety

Runway Safety Programme: A Success Story



- Multidisciplinary approach
- Regional seminars in all ICAO regions
- Established Runway Safety Teams
- Statistics show marked decline in related accidents & fatalities
- Future workshops planned

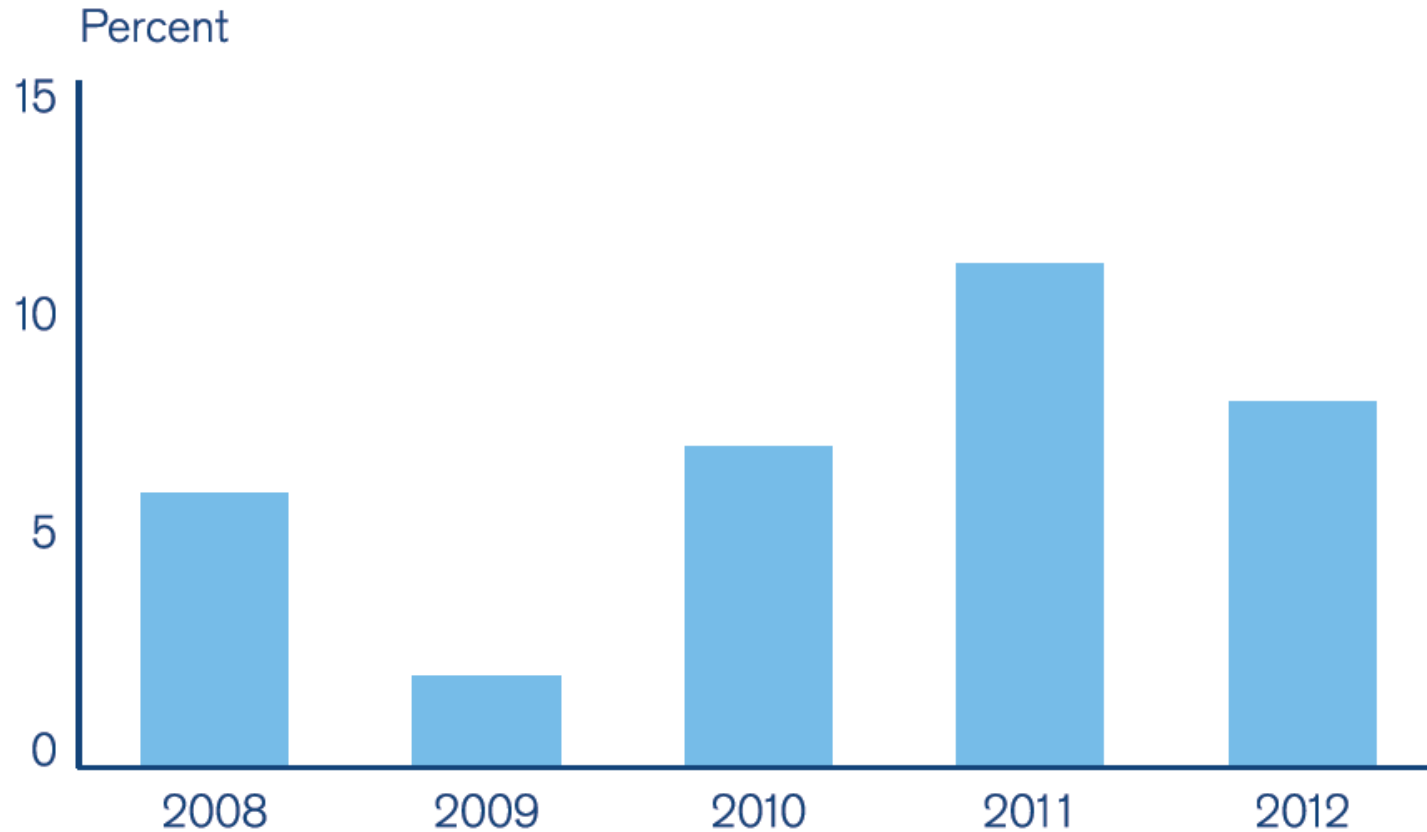
Controlled Flight into Terrain



- SARPs and guidance material related to CFIT accidents
- Low portion of accident but high percentage of fatalities
- Additional efforts should be considered...



Controlled Flight into Terrain



Controlled Flight into Terrain

Source: IATA Safety Report 2012

Loss of Control In-flight



- Reducing LOC-I accidents is ICAO priority
- Harmonized training requirements and guidance material
- SARPs for on-aircraft training for CPL/MPL and FSTDs for CPL
- Aeroplane Upset Prevention and Recovery Manual
- Human performance and competency-based training
- Loss of Control Symposium in 2014



Conclusion

- Global accident rate decreased
- 3 top categories identified:
 - Runway safety-related events
 - LOC-I
 - CFIT
- Latest GASP addresses issues
- Several on-going initiatives by ICAO
 - With industry and other key stakeholders



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South American
(SAM) Office
Lima

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Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
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(MID) Office
Cairo

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Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Office
Bangkok

Thank You

A world map is shown in a light blue color. Eight colored dots (one orange for Montreal, seven blue for other offices) are placed on the map, with thin lines connecting them to their respective text labels. A large, light blue rounded rectangle with a dark blue border is centered over the map, containing the text "Thank You".