



ICAO

UNITING AVIATION

# A Safe Cargo System

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Strategic Trends in Air Cargo Regional Symposium

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# Overview

- Why rules are necessary
- Background on ICAO
- Regulatory framework for safe transport of dangerous goods
- Emerging threats to safety
- Future work

# Valujet Flight 592

- 11 May 1996
- Florida Everglades
- 110 fatalities
- Fire, loss of control
- Chemical oxygen generators improperly prepared, packaged and identified

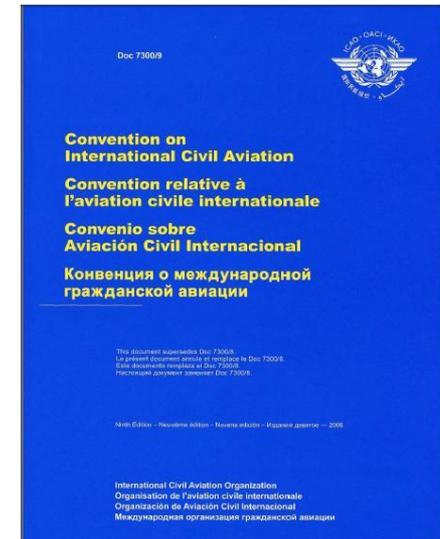


# Need for International Standards

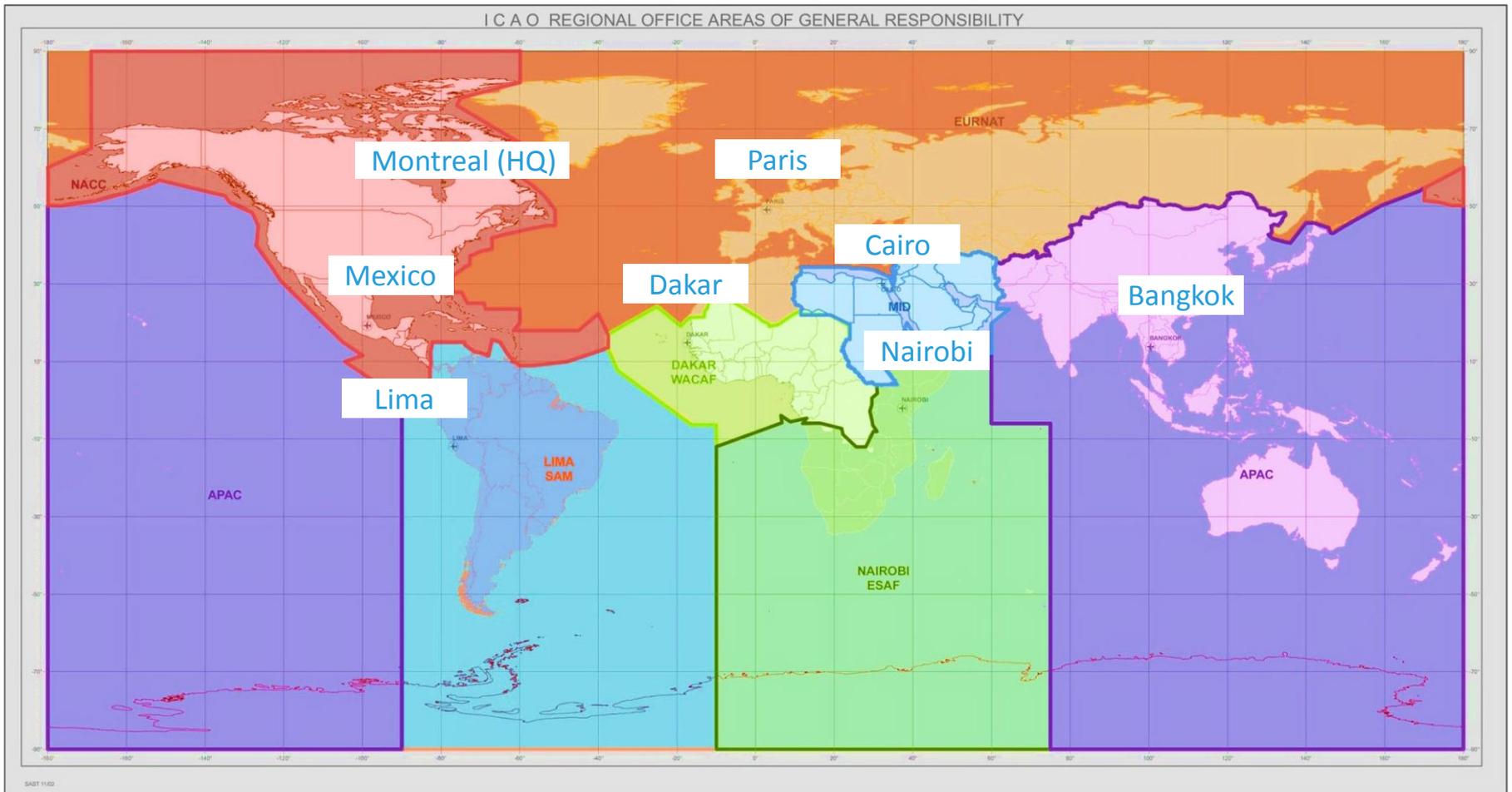
- Pan American Flight 160
- All crew members killed
- Fire caused by reaction between nitric acid and sawdust
- Improperly packed, no notification to crew, no training
- Lack of direct government control over the transport of dangerous goods by air

# ICAO — Genesis

- International Civil Aviation Organization
- Specialized agency of the United Nations
- 1944 — the Chicago Convention
  - 11 September, President Roosevelt invited the world to work on a new convention for international aviation
  - 7 December 1944 Convention on International Civil Aviation signed by 52 States
  - Currently 191 Contracting States
  - ICAO preceded the United Nations



# ICAO Regional Offices



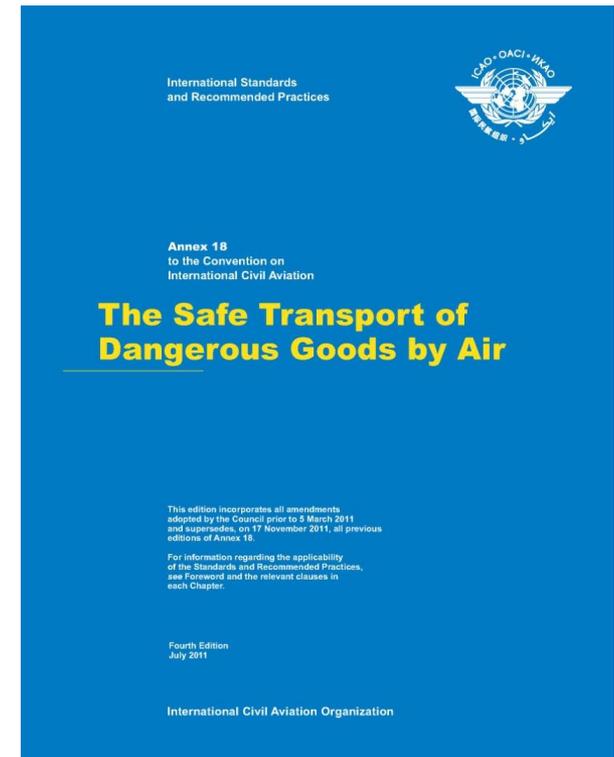


# ICAO — Raison D'être

- The safe and orderly development of international civil aviation
- States work through ICAO to form agreements on the minimum Standards that must be met for safe, secure, efficient and green international aviation
- Nineteen Annexes to Chicago Convention
- Annex 18 — The Safe Transport of Dangerous Goods by Air

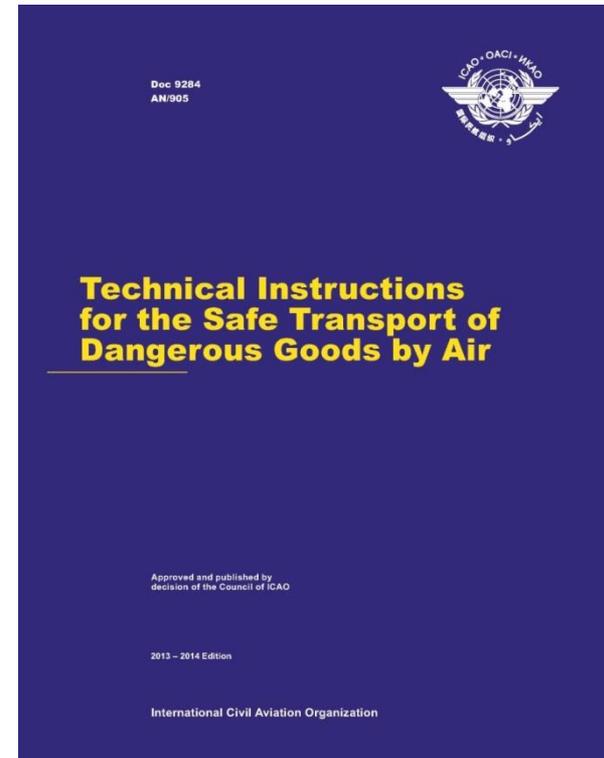
# Annex 18

- The Safe Transport of Dangerous Goods by Air
  - “The Standards and Recommended Practices of this Annex shall be applicable to all international operations of civil aircraft.”
  - “Each Contracting State shall take the necessary measures to achieve compliance with the detailed provisions contained in the Technical Instructions.”

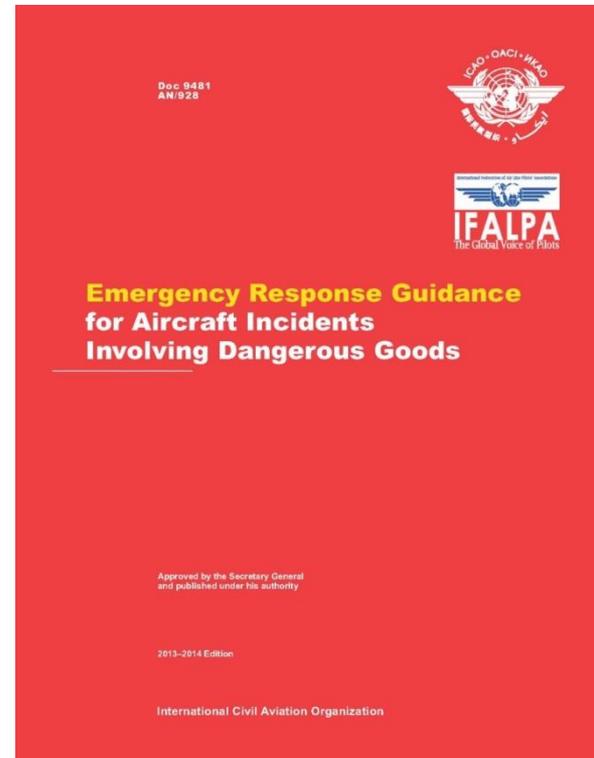
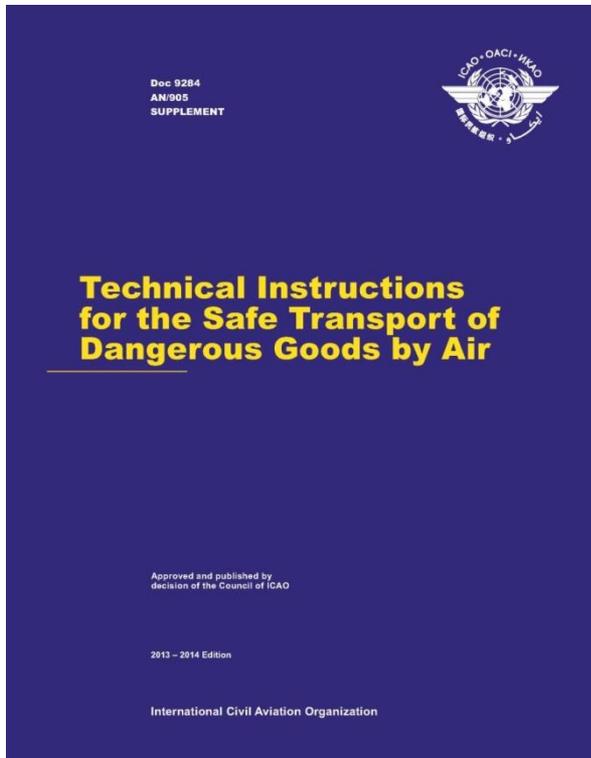


# Technical Instructions

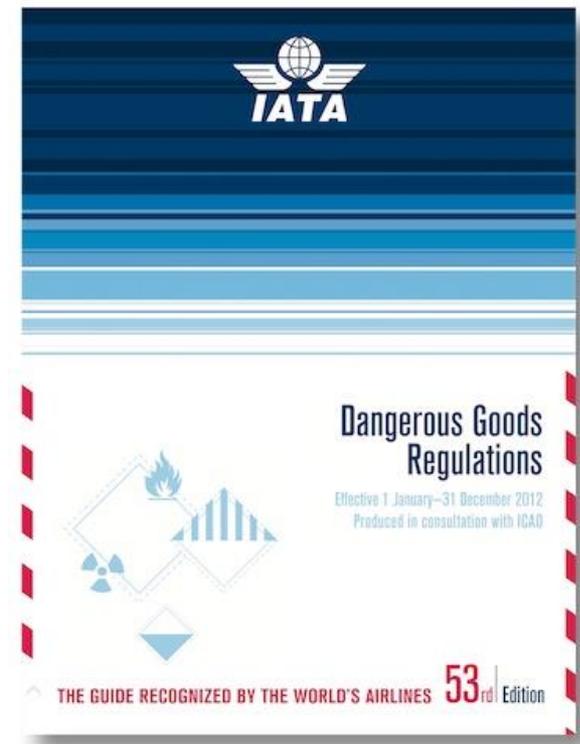
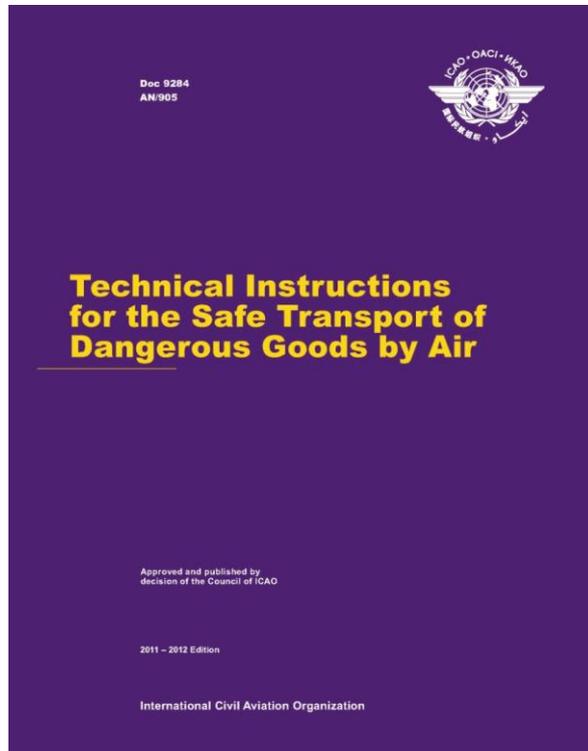
- Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)



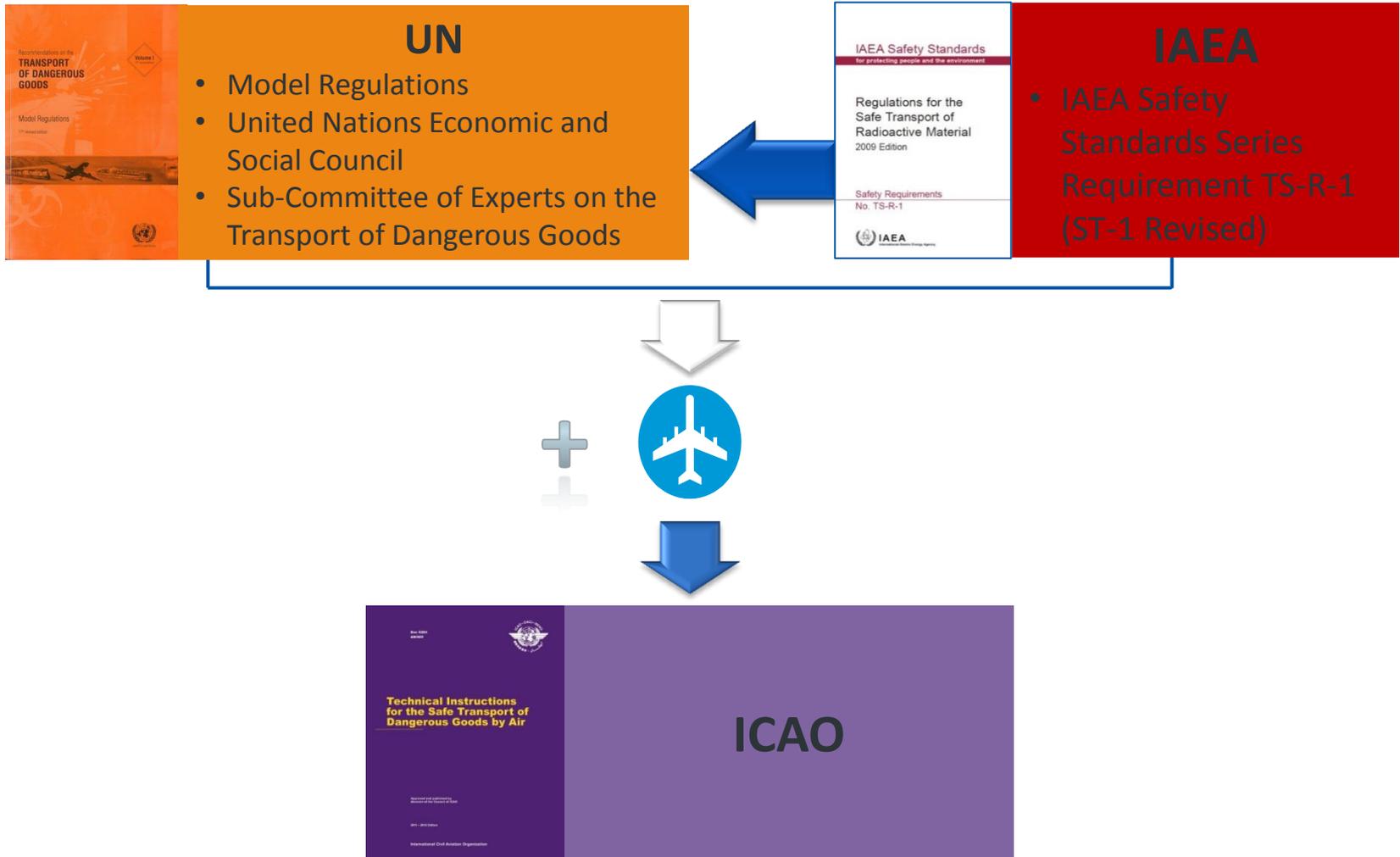
# Other Dangerous Goods Document



# Dangerous Goods by Air



# United Nations and Dangerous Goods



# Harmonized Regulations



Class 1



Class 2



Class 3



Class 4



Class 5



Class 6



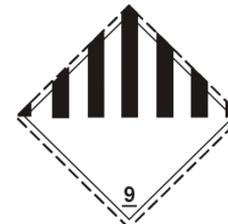
Class 7



Class 8



Class 9



# Dangerous Goods Panel (DGP)



# Threats to Air Cargo Safety

- What we transport
- How much we transport
- The risk dangerous goods presents
- The threat of a catastrophic event



# Contact Details

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