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Loss of Control In-flight Symposium
20 - 22 May 2014, ICAO Headquarters, Montréal

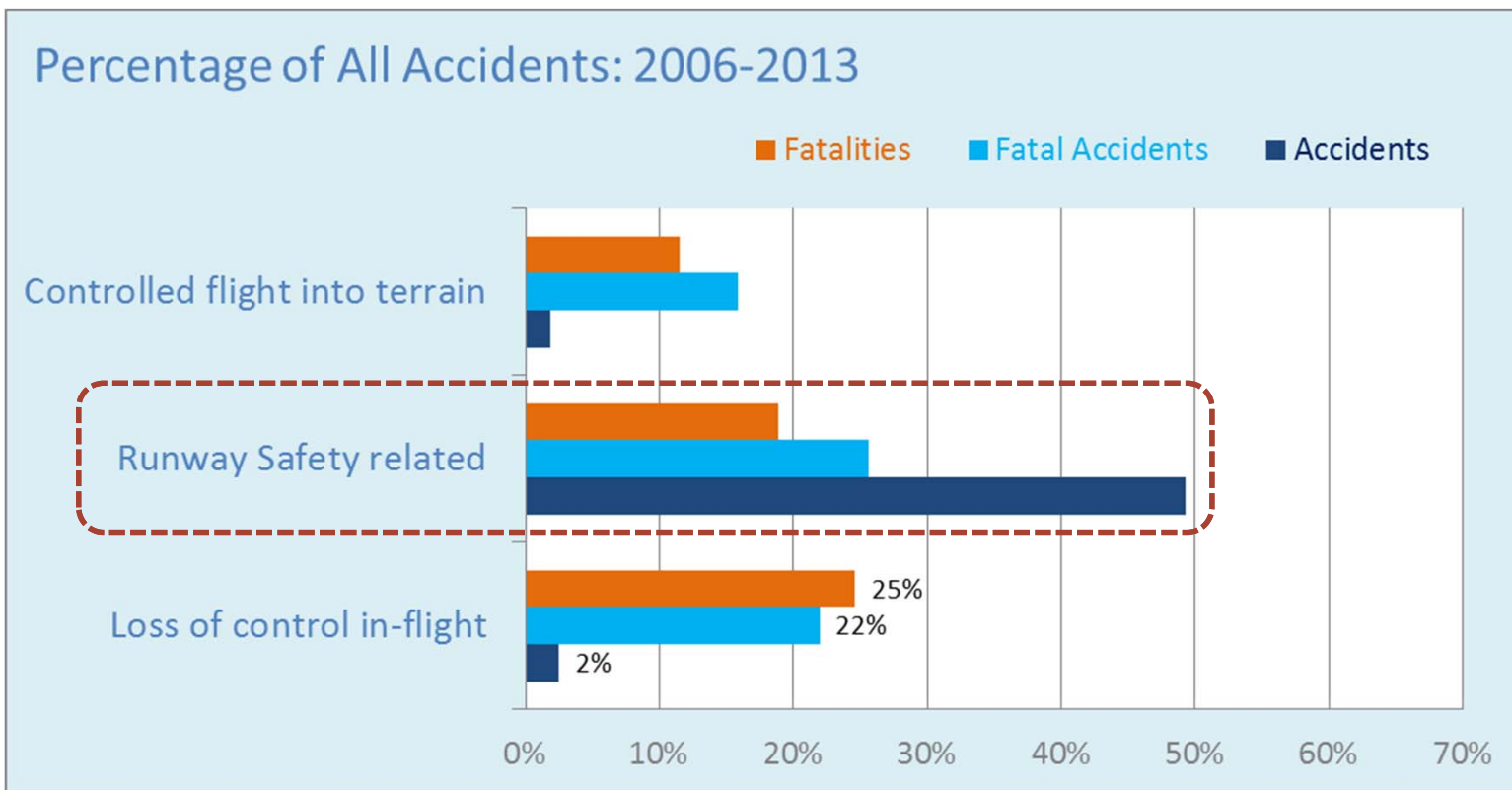
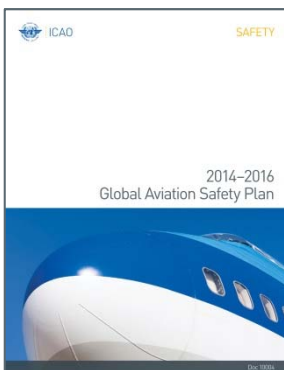
WELCOME

Nancy Graham

Director, Air Navigation Bureau, ICAO



Top 3 Safety Priorities



* Accidents involving scheduled commercial air transport with maximum take-off weight exceeding 5 700 kg



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A Collaborative Approach - *Runway Safety*

Runway Safety Programme

- Led by ICAO with 12 Partners
- Multi-stakeholder approach



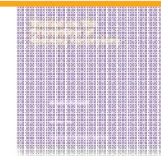
Achievements

- Drafted RST handbook
- Updated RST handbook
- Described 12 RRSS
- 4 RST missions

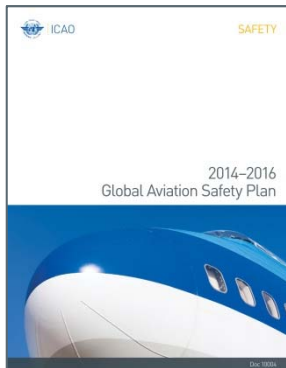
Collaboration works!

Planned for 2014

- 1st Edition RST handbook
- Release of the *Runway Safety iKit*
- 2 RRSS (AFI & MID)
- Runway Safety GO TEAM missions to airports (AFI, APAC, CAR & MID)
- Runway Safety KPIs



Top 3 Safety Priorities



Percentage of All Accidents: 2006-2013

Controlled flight

Runway

Loss of

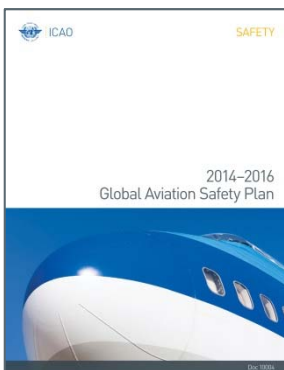


- **Major improvements in the last decade due to:**
 - Enhanced ground proximity warning systems
 - Glass cockpits, terrain alerting systems
 - Emphasis by ICAO, regulators and industry on education and training
- **Several initiatives under consideration to increase situational awareness**
 - Heads-up display, synthetic and enhanced visions systems

* Accidents involving scheduled commercial air transport with maximum take-off weight exceeding 5 700 kg

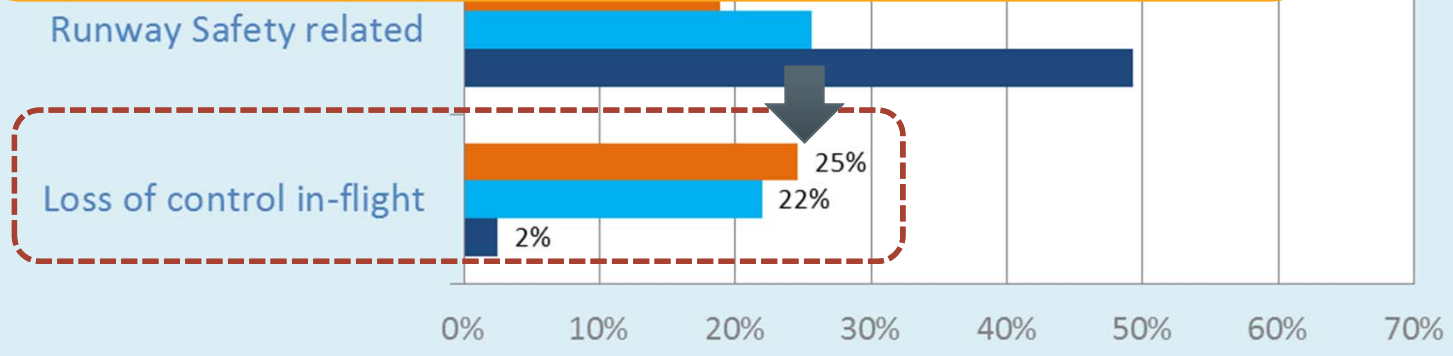


Top 3 Safety Priorities



Percentage of All Accidents: 2006-2013

Applying the same approach:
Global Collaboration



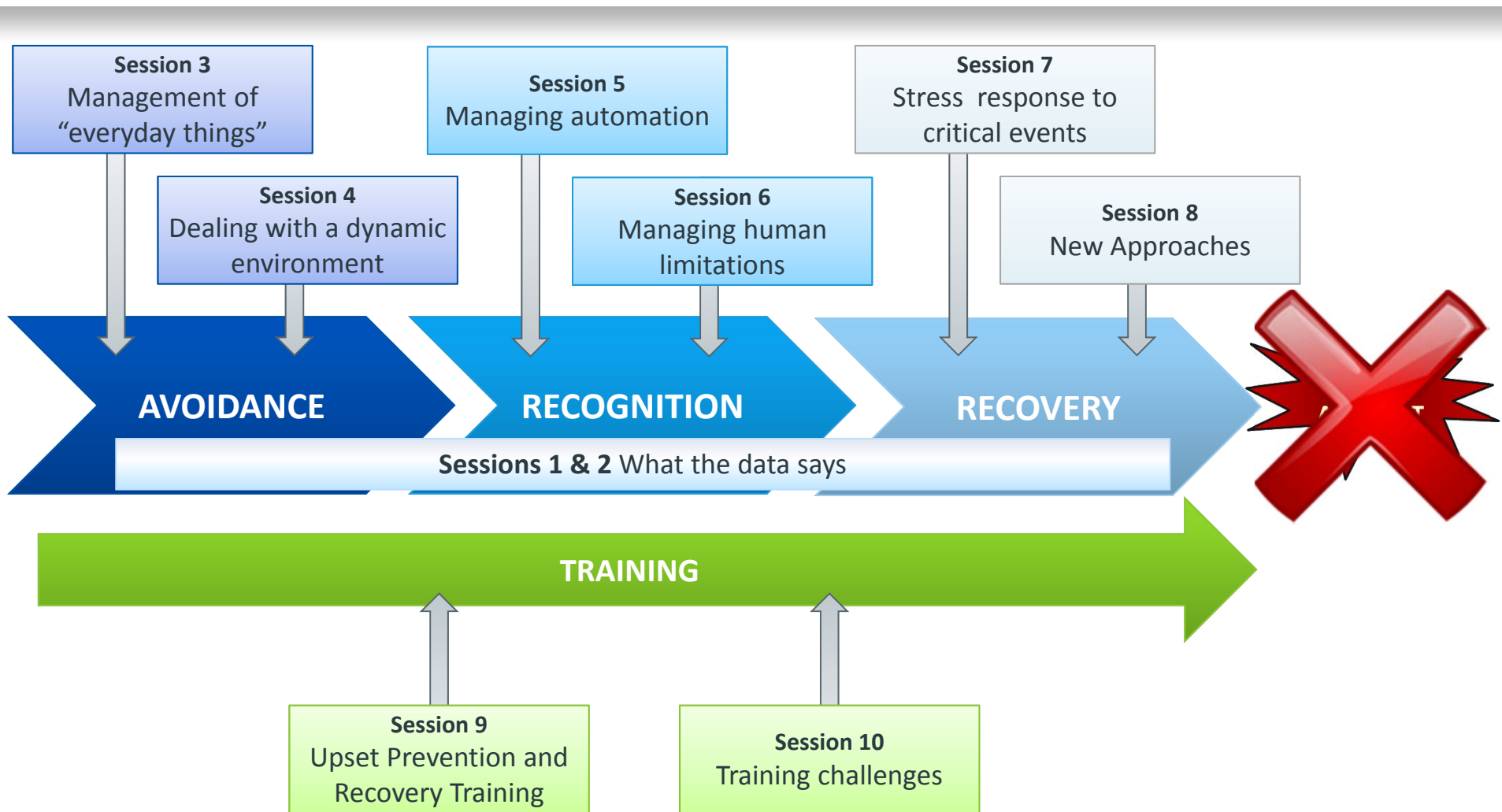
* Accidents involving scheduled commercial air transport with maximum take-off weight exceeding 5 700 kg



A Complex Problem



No single, simple solution





Leading the way

- CAST's Safety Enhancements



- The Aeroplane Upset Recovery Training Aid - OEMs



- The Royal Aeronautical Society's ICATEE Group



- ICAO's LOCART Group



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Intended outcomes

- **What is being done now?**
- **What more needs to be done?**
- **How can we do it?**
- **Who can do it?**





Intended outcomes

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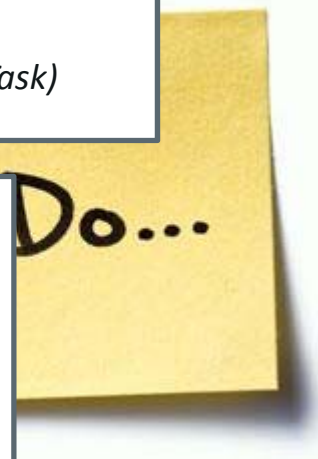


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Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU



Intended outcomes



RASGs and Regional Bodies