



International Civil Aviation Organization

MID-Regional Runway Seminar (MID-RRSS)

Amman, Jordan 14-16 May 2012

Runway Safety

The Big Picture

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ICAO 37th Assembly *October 2010* Resolution A37-6 (1/2)



The Assembly:

1. *Urges* States to take measures to enhance runway safety, including the **establishment of runway safety programmes** using a **multidisciplinary approach**, that include at least **regulators, aircraft operators, air navigation services providers, aerodrome operators and aircraft manufacturers** to prevent and mitigate the effects of runway excursions, runway incursions and other occurrences related to runway safety;
2. *Resolves* that ICAO shall actively **pursue runway safety using a multidisciplinary approach**; and
(...)



Associated practice no. 1:

- The runway safety programmes should be based on **inter-organizational safety management** including the **creation of local runway safety teams that address prevention and mitigation of runway excursions, runway incursions and other occurrences related to runway safety.**

ICAOs Runway Safety Programme

➔ Outcomes of GRSS:

- Identification of hazards requires **collaboration** of all stakeholders
- Solutions need comply with International Standards and be harmonized to facilitate efficient international operations
- **Runway Safety Teams** – should be established locally and hosted by the airports
- RSP partners have committed to work together to compile and promote proven solutions and endorse best practices

➔ Regional Runway Safety Seminars (RRSSs):

- Promote and enhance implementation of solutions through multidisciplinary RSTs

➔ Runway Safety Website www.icao.int/RunwaySafety :

- Easy access to information on public website
- Development of RST Action Plan Tool
- Share documents and toolkits from RSP Partners

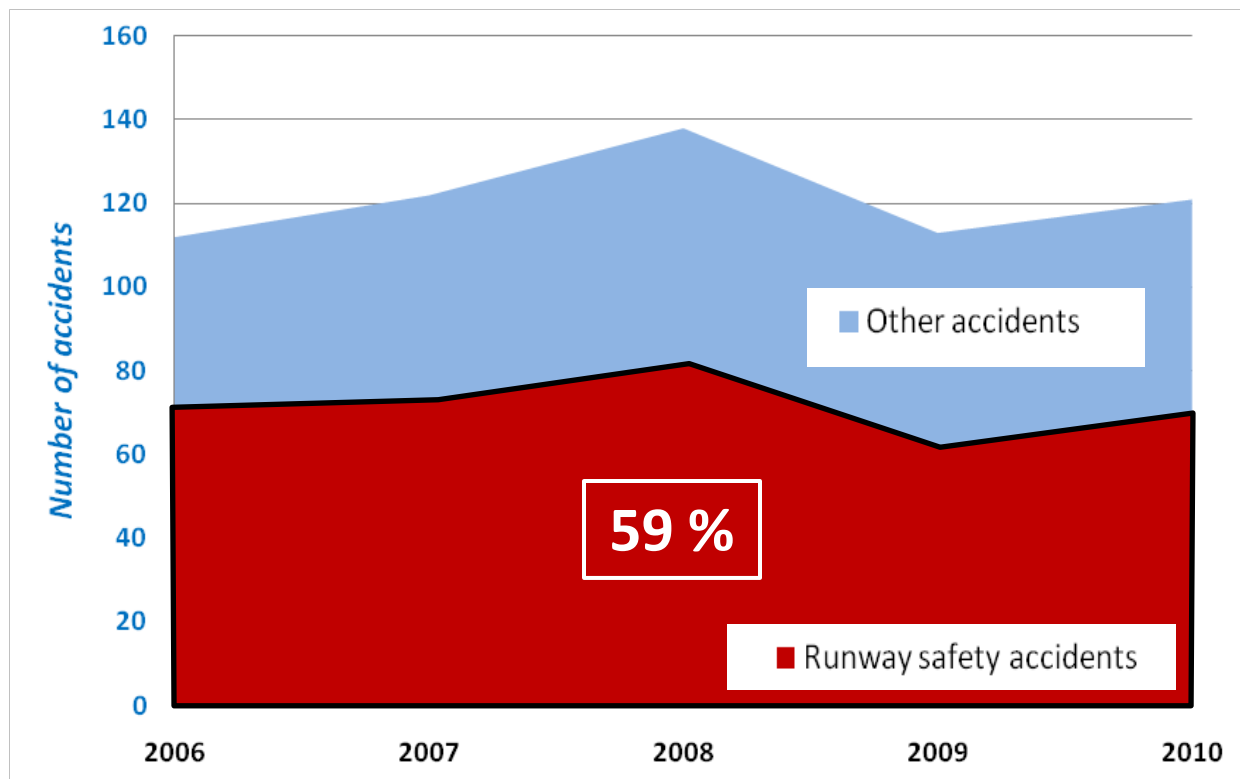
Why focus on runway safety?

Analysis of accident data from 2006 to 2010 reveals that runway safety is an important issue that requires more attention.

Runway Safety Overview

Runway Safety Accidents

Scheduled Commercial Traffic – MTOW > 2 250 kg (Yrs 2006- 2010)



Runway Safety Accidents

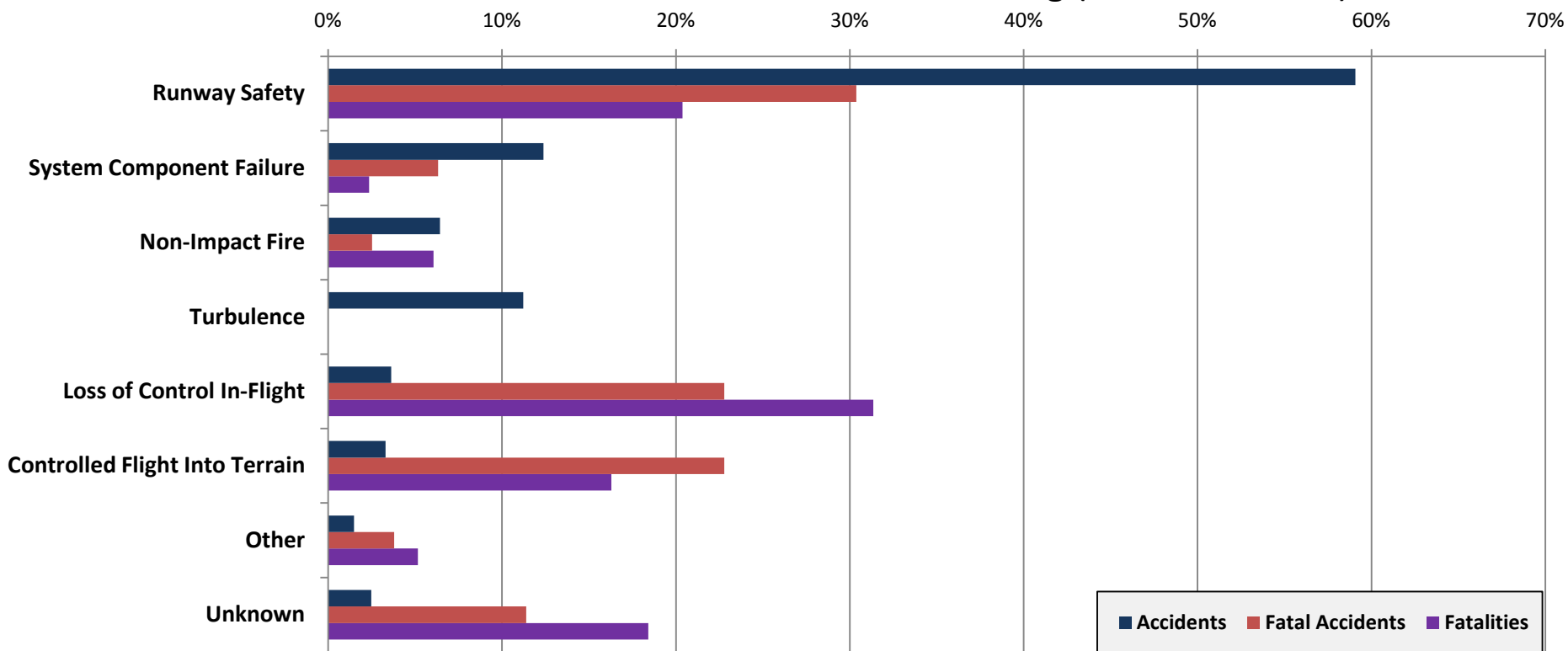
- Abnormal Runway Contact
- Bird strike
- Ground Collision
- Ground Handling
- Runway Excursion
- Runway Incursion
- Loss of Control on Ground
- Collision with obstacle(s)
- Undershoot / Overshoot
- Aerodrome

Runway Safety Overview

Worldwide

Accidents & Related Fatalities by Occurrence Categories

Scheduled Commercial Traffic – MTOW > 2 250 kg (Yrs 2006- 2010)

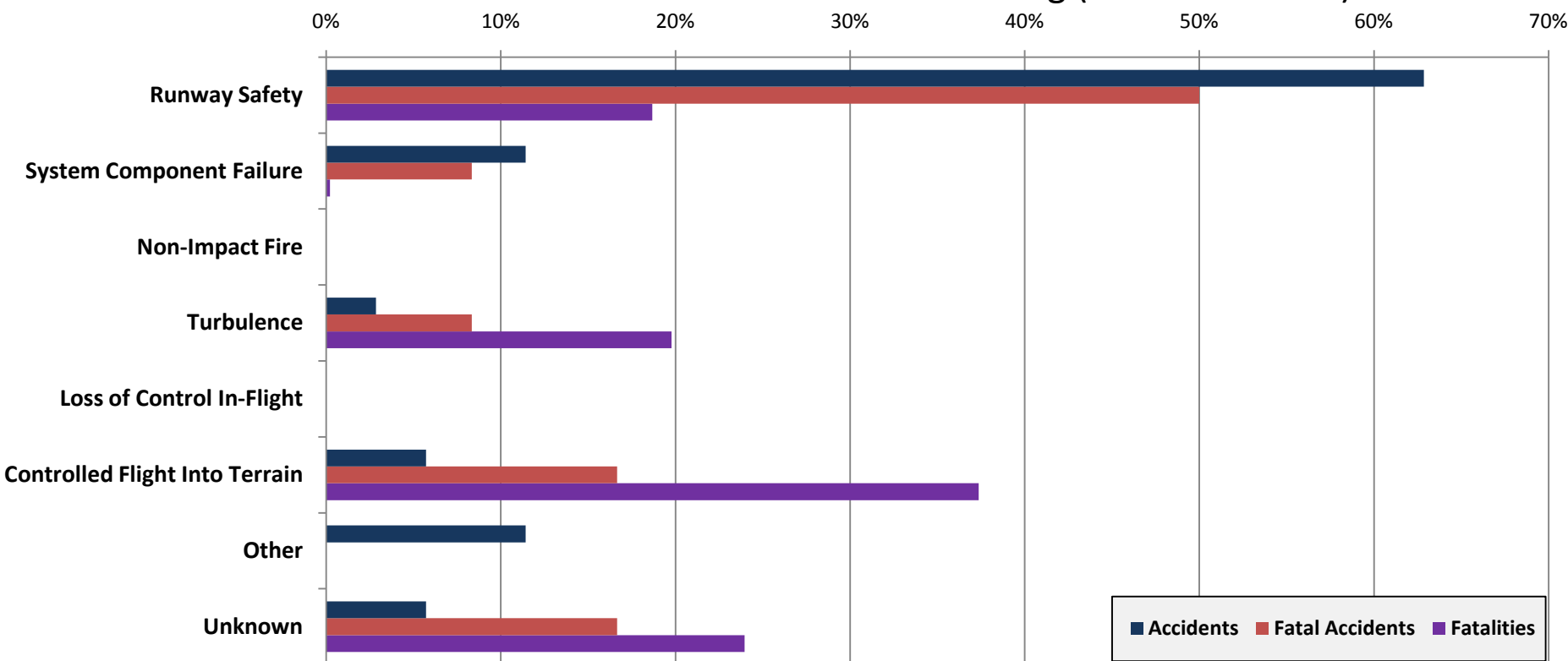


Runway Safety Overview

Focus on MID Region

Accidents & Related Fatalities by Occurrence Categories

Scheduled Commercial Traffic – MTOW > 2 250 kg (Yrs 2006- 2010)

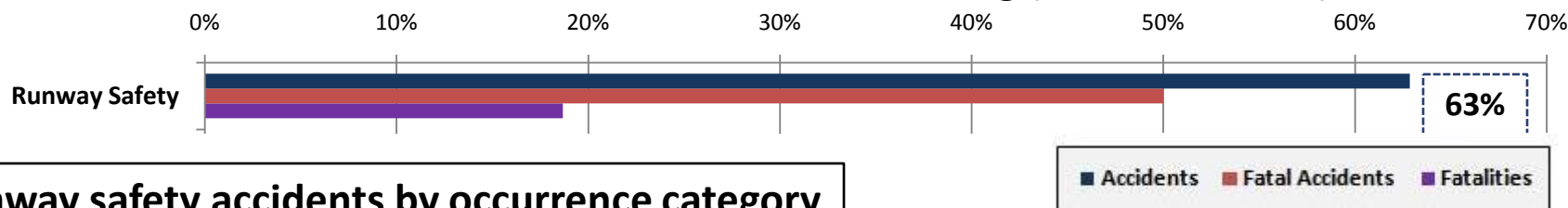


Focus on Runway Safety Related Accidents

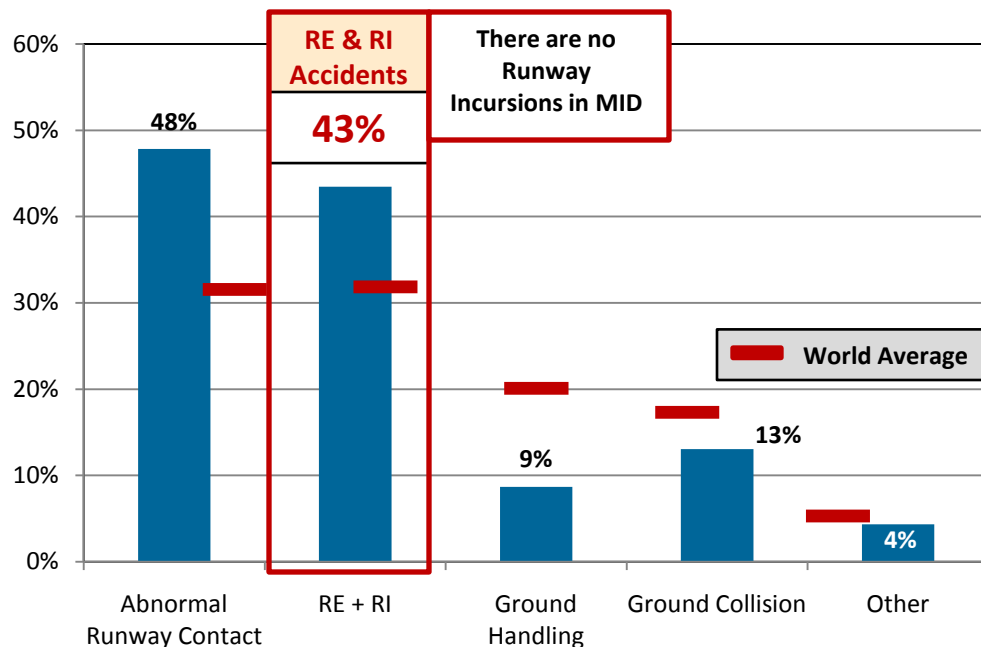
Focus on MID Region

Accidents & Related Fatalities by Occurrence Categories

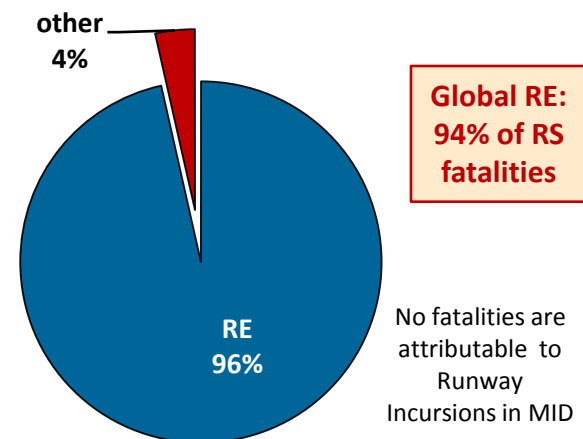
Scheduled Commercial Traffic – MTOW > 2 250 kg (Yrs 2006- 2010)



23 runway safety accidents by occurrence category



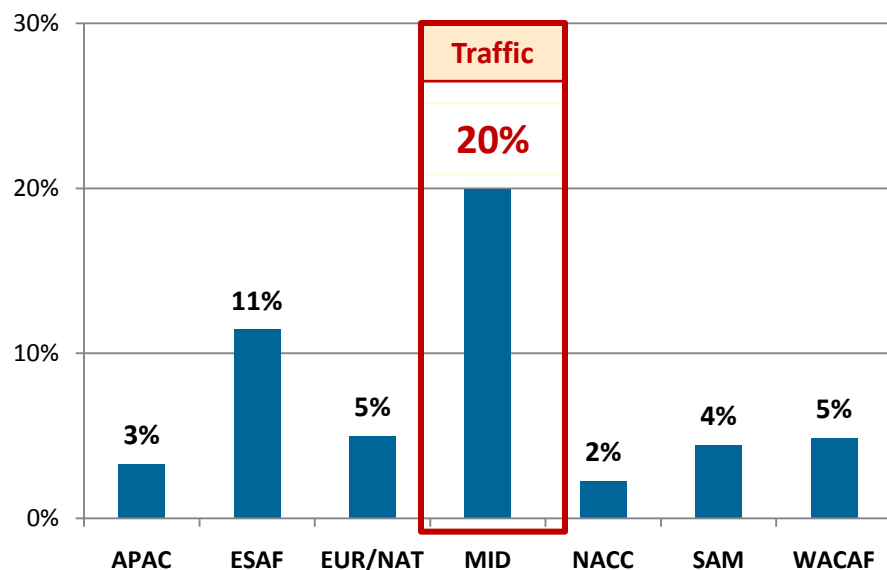
MID: 85 fatalities for RS



Focus on Runway Excursions / Incursions

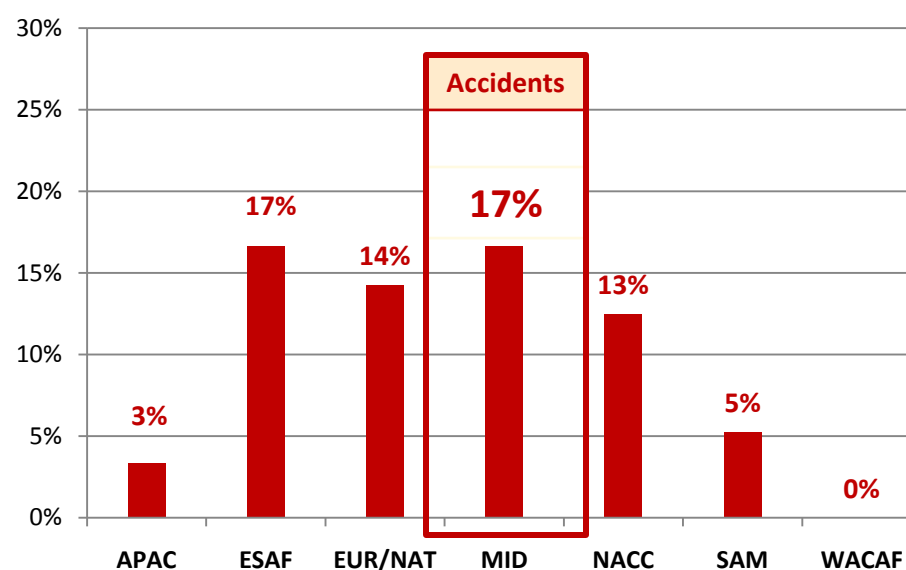
Focus on MID Region

% of traffic flown by air carriers outside their own region



Source: OAG – 2010 scheduled commercial flights

% of Runways Excursions/Incursions experienced by air carriers outside their own region



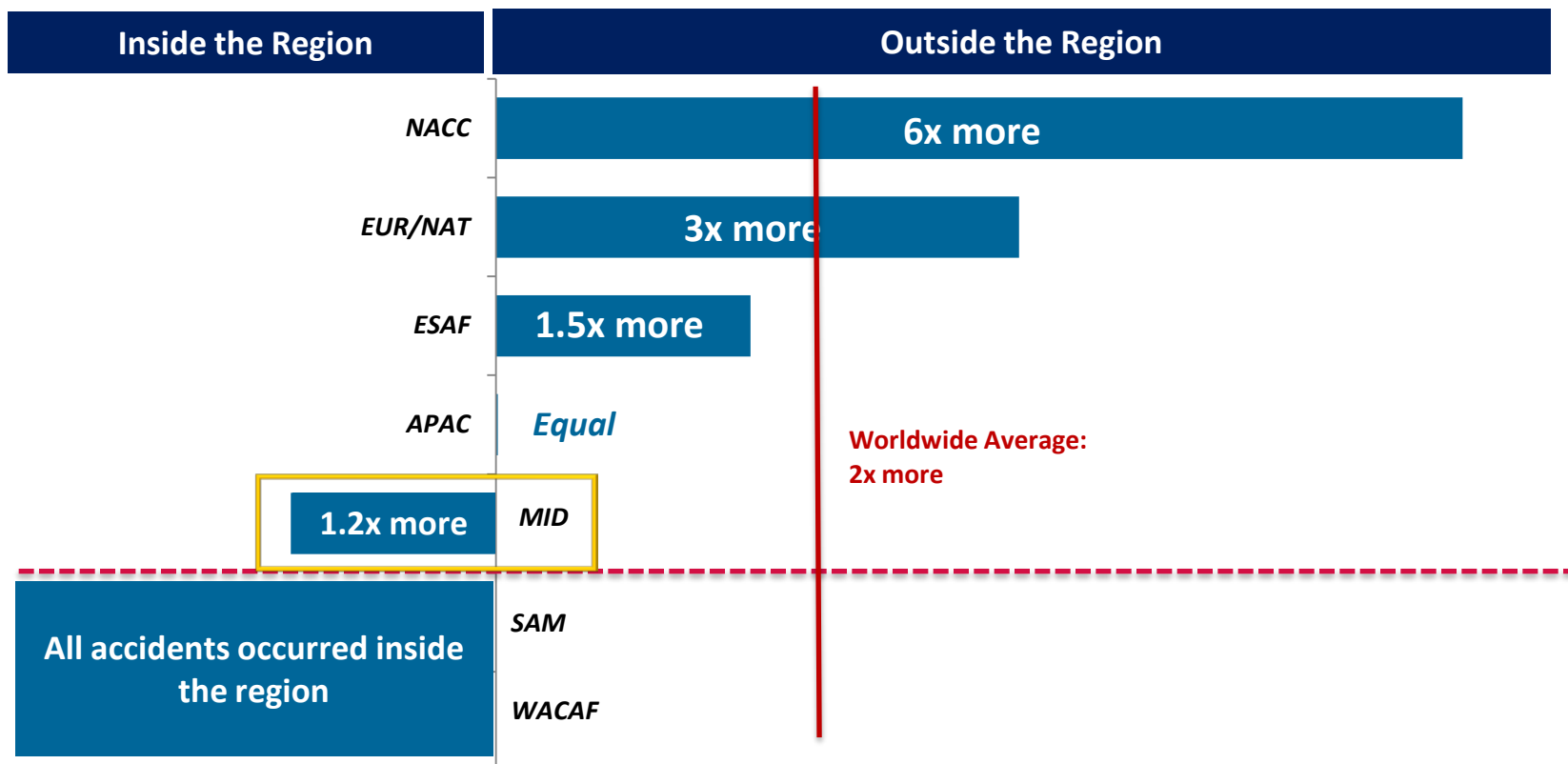
Scheduled Commercial Traffic
MTOW > 2 250 kg (Yrs 2006- 2010)

- Air Carriers of the MID Region flew **20%** of their **total traffic** outside the region.
- Air Carriers of the MID Region experienced **17%** of their **total excursions** outside the region.

Focus on Runway Excursions / Incursions

Focus on MID Region

Probability of air carriers experiencing an Excursion or Incursion Accident
Inside or Outside their Region



MID carriers are just as likely to experiencing a Runway Excursion/ Incursion inside the MID region as outside the region.

Objectives of this MID-RRSS

- Improve runway safety outcomes
- The establishment of Runway Safety Teams (RSTs)
- Provide tools for use by RSTs
- Develop a regional strategy to establish, promote and provide ongoing support to RSTs

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Thank you

<http://legacy.icao.int/mid>