# *Runway Safety*
## BIG PICTURE

**Mohamed Elamiri, ICAO**
**Kuala Lumpur, 18 November, 2013**

# A Strategic Approach To Safety

2014–2016
Global Aviation Safety Plan

→ Recognition of the differences among Member States including:
- Safety oversight maturity
- Traffic volume and growth
- Operational safety issues

→ The need to prioritize safety initiatives

# A Strategic Approach To Safety



2014–2016
Global Aviation Safety Plan

- → Reaffirms that Aviation safety is the highest priority

- → Supports the implementation of defined safety objectives and safety performance areas

- → Provides a framework for Regional and State safety priorities including safety management principles

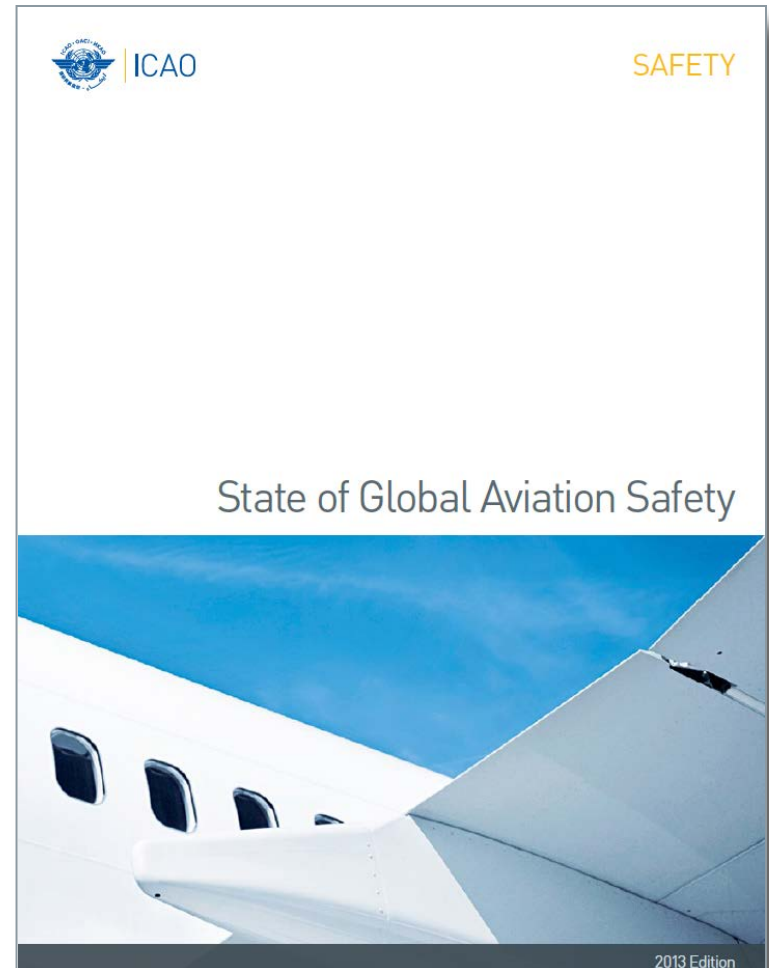- → Takes into account cost benefit and financial issues

# A Strategic Approach To Safety

*State of Global Aviation* **SAFETY**

# A Strategic Approach To Safety

→ ICAO constantly strives to improve aviation safety outcomes through the following coordinated activities:

→ Monitoring of key safety trends and indicators.

→ Safety Analysis.

→ Policy and Standardization initiatives.

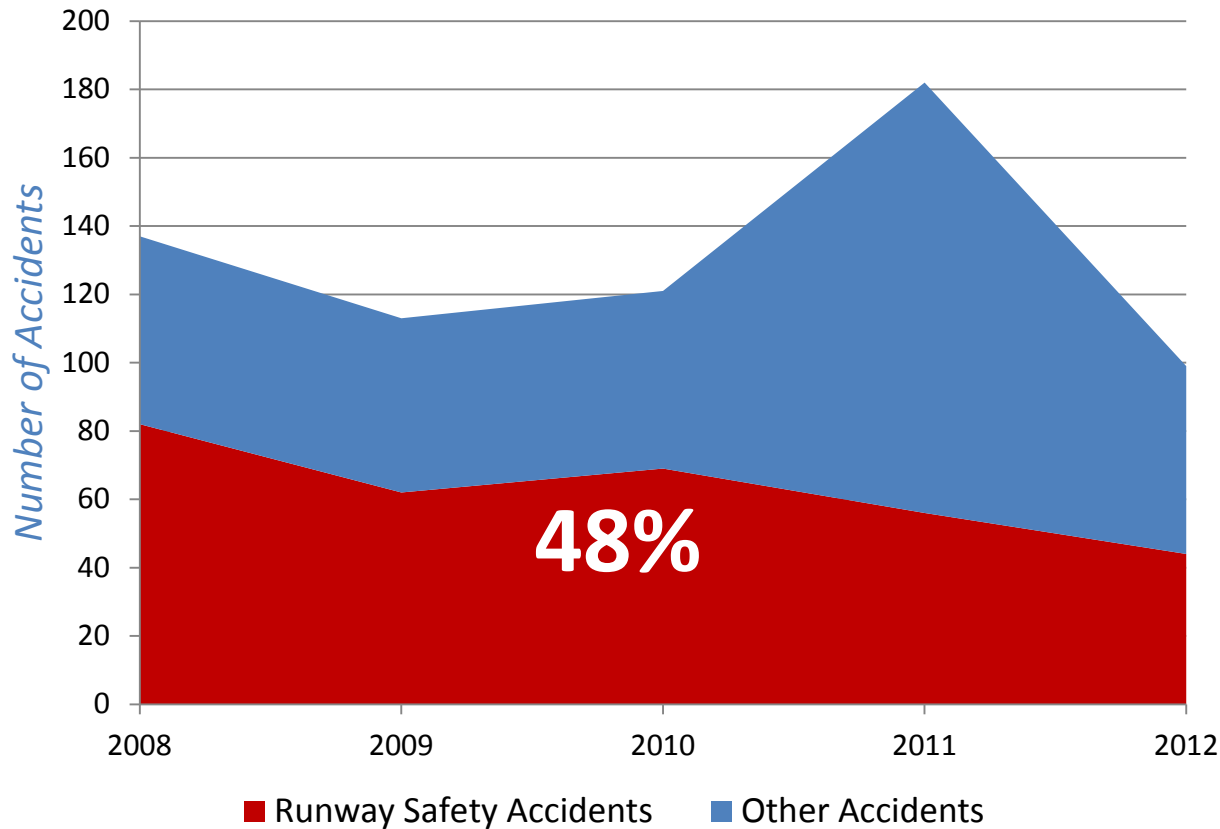→ Implementation of programmes to address safety issues.

ICAO  SAFETY

State of Global Aviation Safety

2013 Edition

*Monitoring*
# SAFETY

# Runway Safety Overview

## Runway Safety Accidents

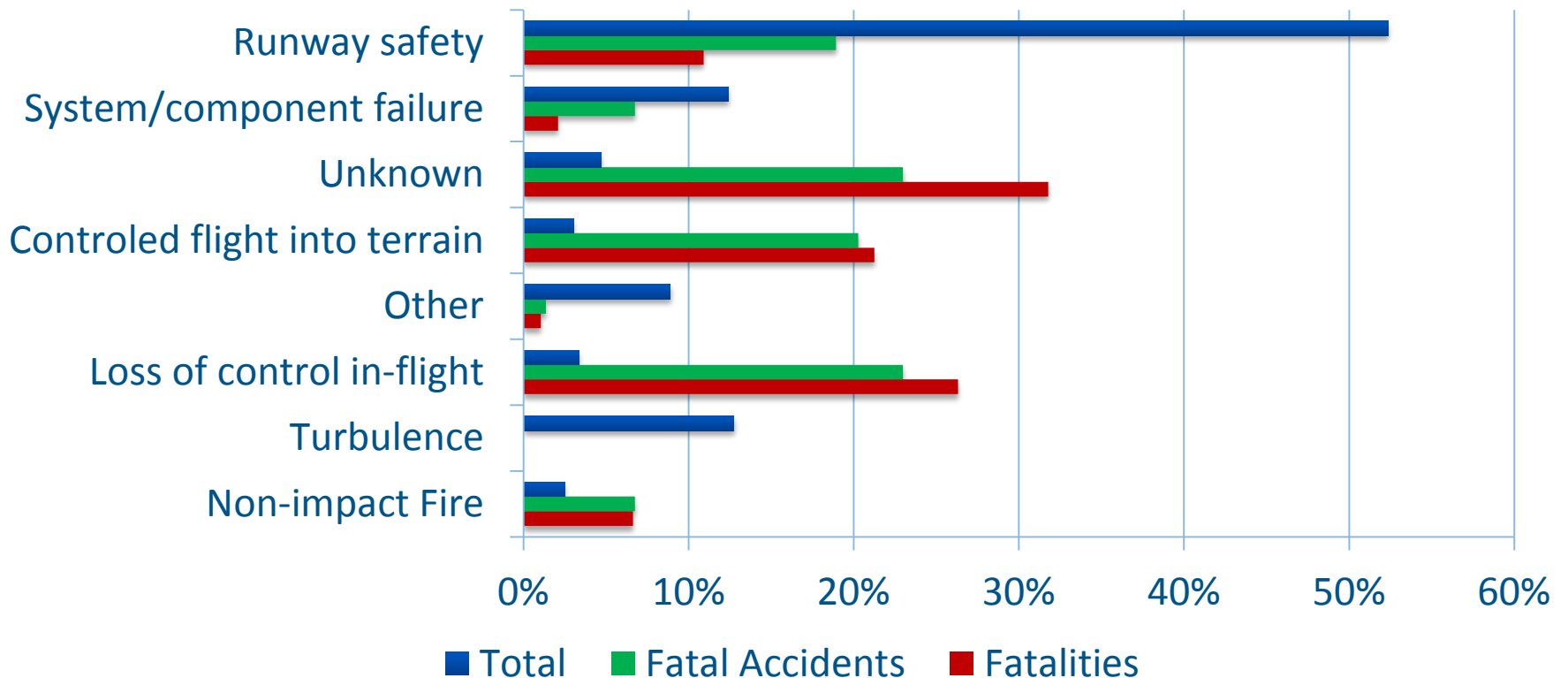Scheduled Commercial Traffic – MTOW > 2 250 kg (Yrs 2008- 2012 )



**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

## Accidents & Related Fatalities by Occurrence Categories
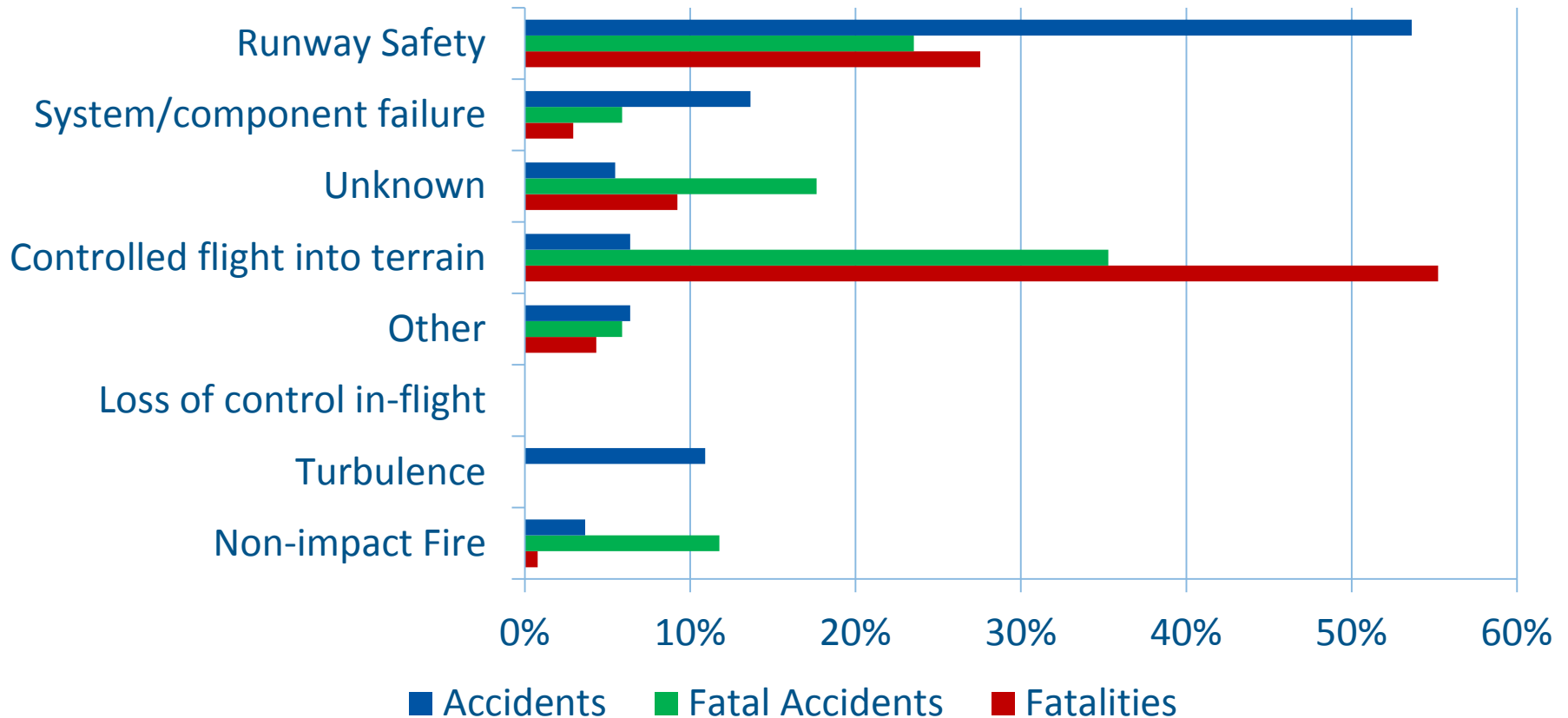### Scheduled Commercial Traffic – MTOW > 2 250 kg (Yrs 2006- 2012)

*Focus*
**APAC**

# Runway Safety Overview

## Accidents & Related Fatalities by Occurrence Categories
### Scheduled Commercial Traffic – MTOW > 2 250 kg (Yrs 2008- 2012 )

# *Policy and Standardization*
# Safety

# 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

(…)

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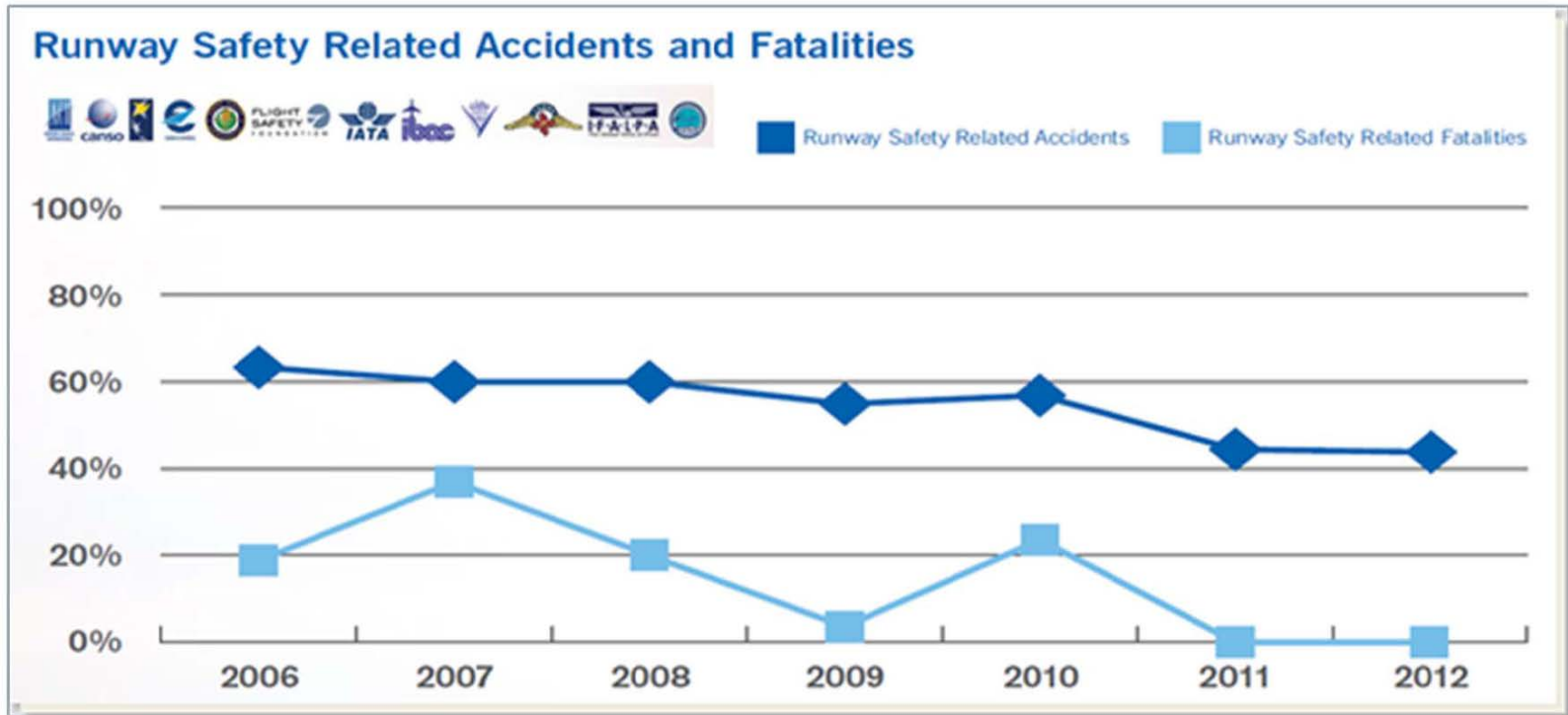# Resolution A37-6 *(2/2)*

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.**

*Support and Implementation*
# Safety

# ICAOs Runway Safety Programme

✈ **Outcomes of GRSS:**
  - ✈ Identification of hazards requires **collaboration** of all stakeholders
  - ✈ Solutions need to be standardized to international standards an 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

# Efforts are paying off…



Runway Safety Related Accidents and Fatalities

RUNWAY SAFETY CONTINUES TO IMPROVE

# Role of **Runway Safety Teams** in the Region

- Identify and develop mitigation options to:
  1. **Reduce** the number of runway safety related Accidents at individual airports
  2. **Improve** the survivability after a runway excursion

# Objectives of this RRSS

→ Highlight main runway safety risks and mitigation options

→ Hear from existing RSTs and runway safety programmes

→ Contribute to regional initiatives to support the promotion, establishment and operation of RSTs

→ Facilitate the formation of RSTs at individual airports and most of all offer you opportunities to share,learn and network

# Thank you