

# The Second MID Region Safety Summit

27- 29 April 2014  
Muscat, Oman

## Runway & Ground Safety

### Session #4 Presentation #1





الهيئة العامة للطيران المدني  
GENERAL CIVIL AVIATION AUTHORITY

# HOW TO ENHANCE RUNWAY SAFETY?

Second MID Safety Summit  
Muscat, Oman  
27-29 April 2014

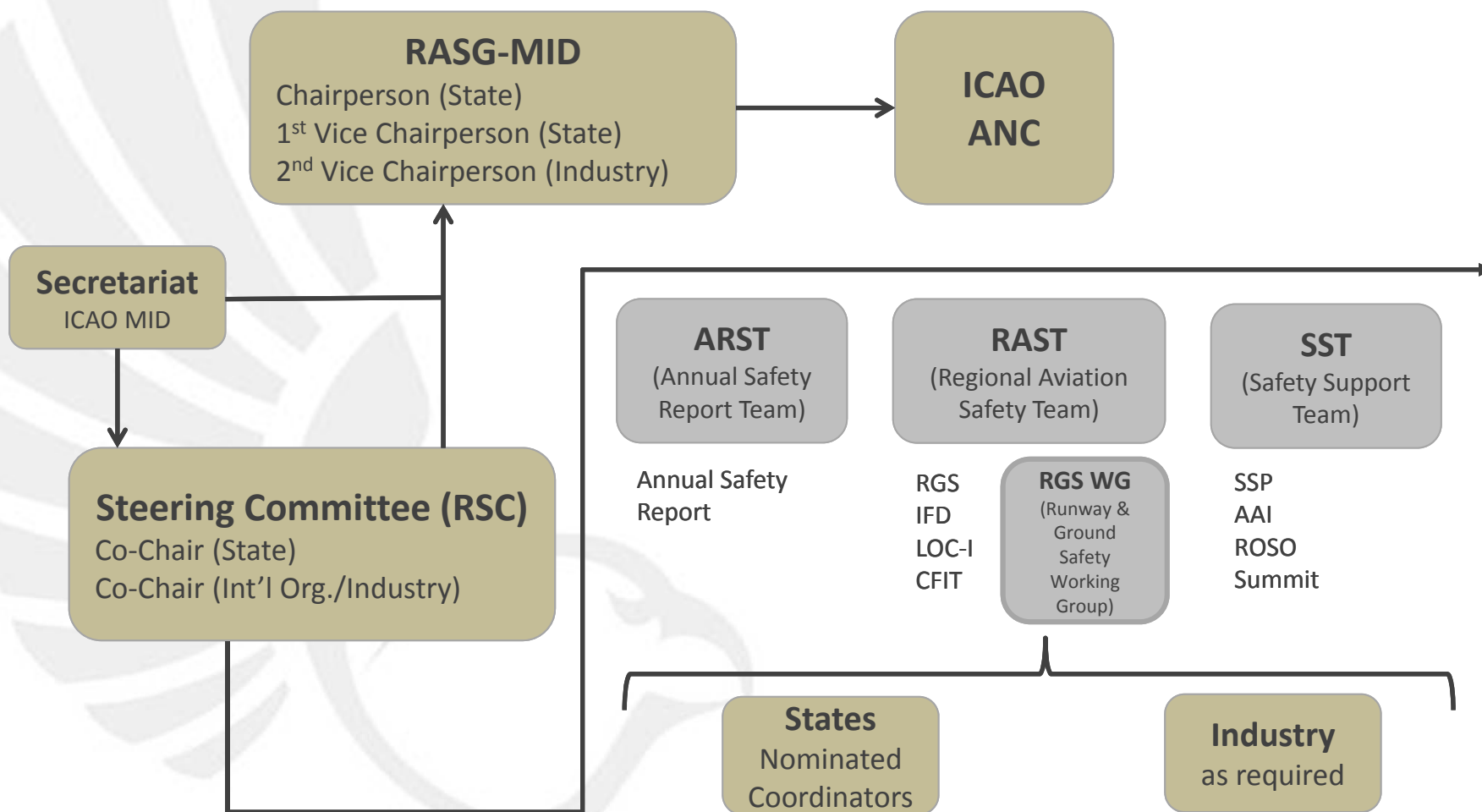
رؤيتنا: منظومة طيران مدني آمنة ورائدة ومستدامة  
OUR VISION: A LEADING, SAFE, SECURE AND SUSTAINABLE CIVIL AVIATION SYSTEM



# **Runway & Ground Safety Working Group**



# RASG-MID: Working Arrangements



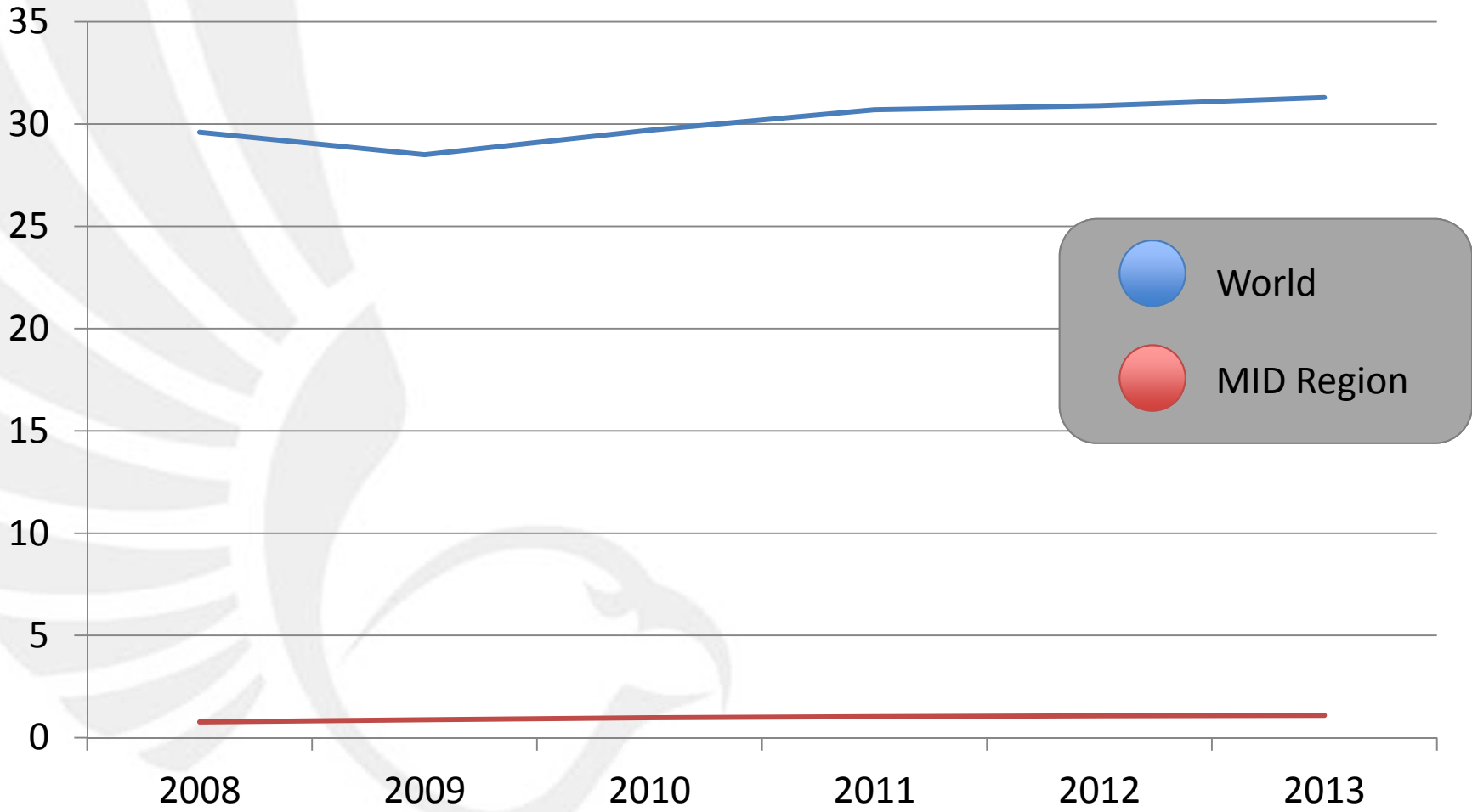
A faint, grayscale background image of a hand holding a globe, positioned on the left side of the slide. The hand is cupping the globe from the bottom, with fingers visible. The globe shows some latitude and longitude lines.

**Safety Enhancement Initiatives  
&  
Detailed Implementation Plans**



# Traffic

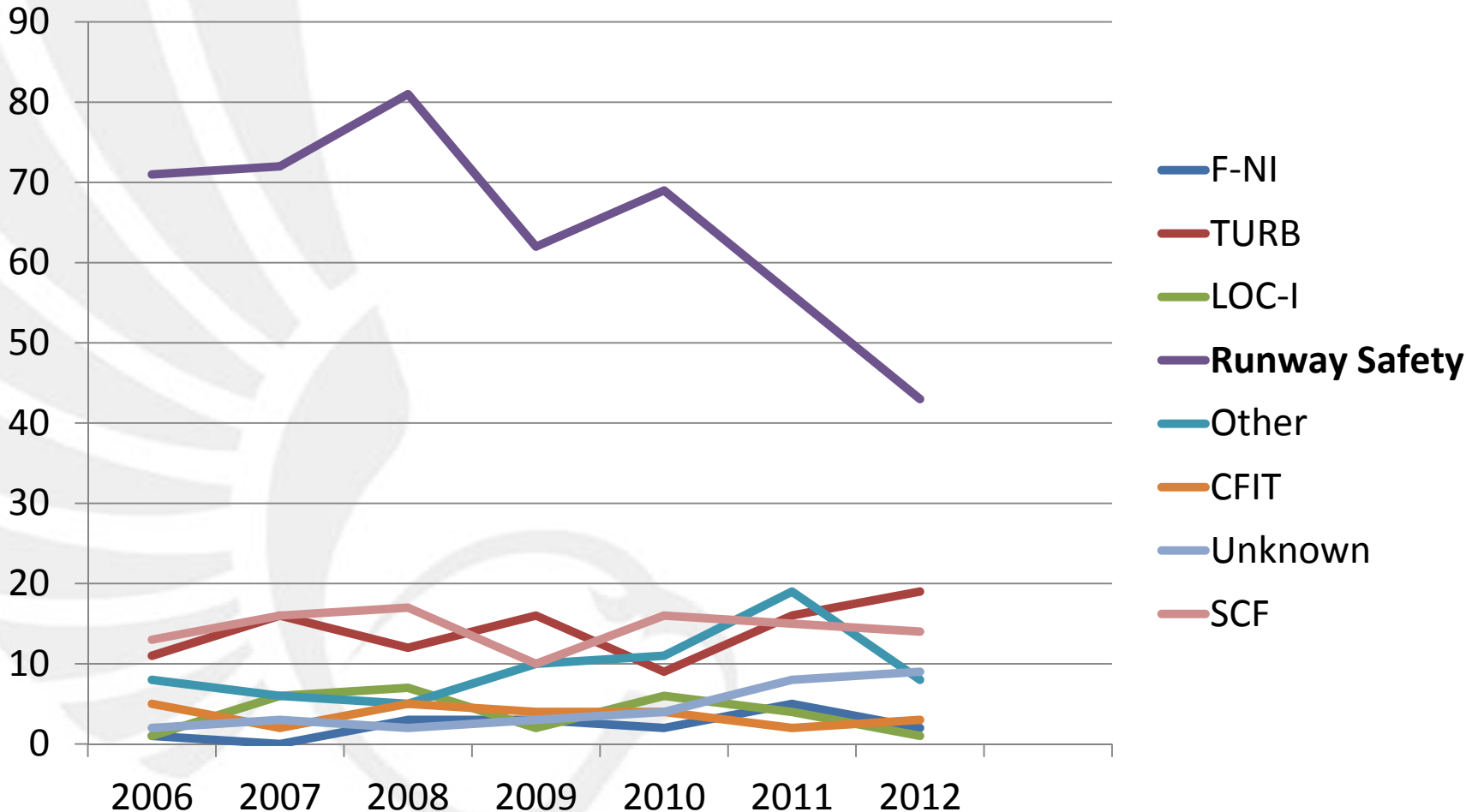
## Millions of Departures



Source: ICAO-iSTARS

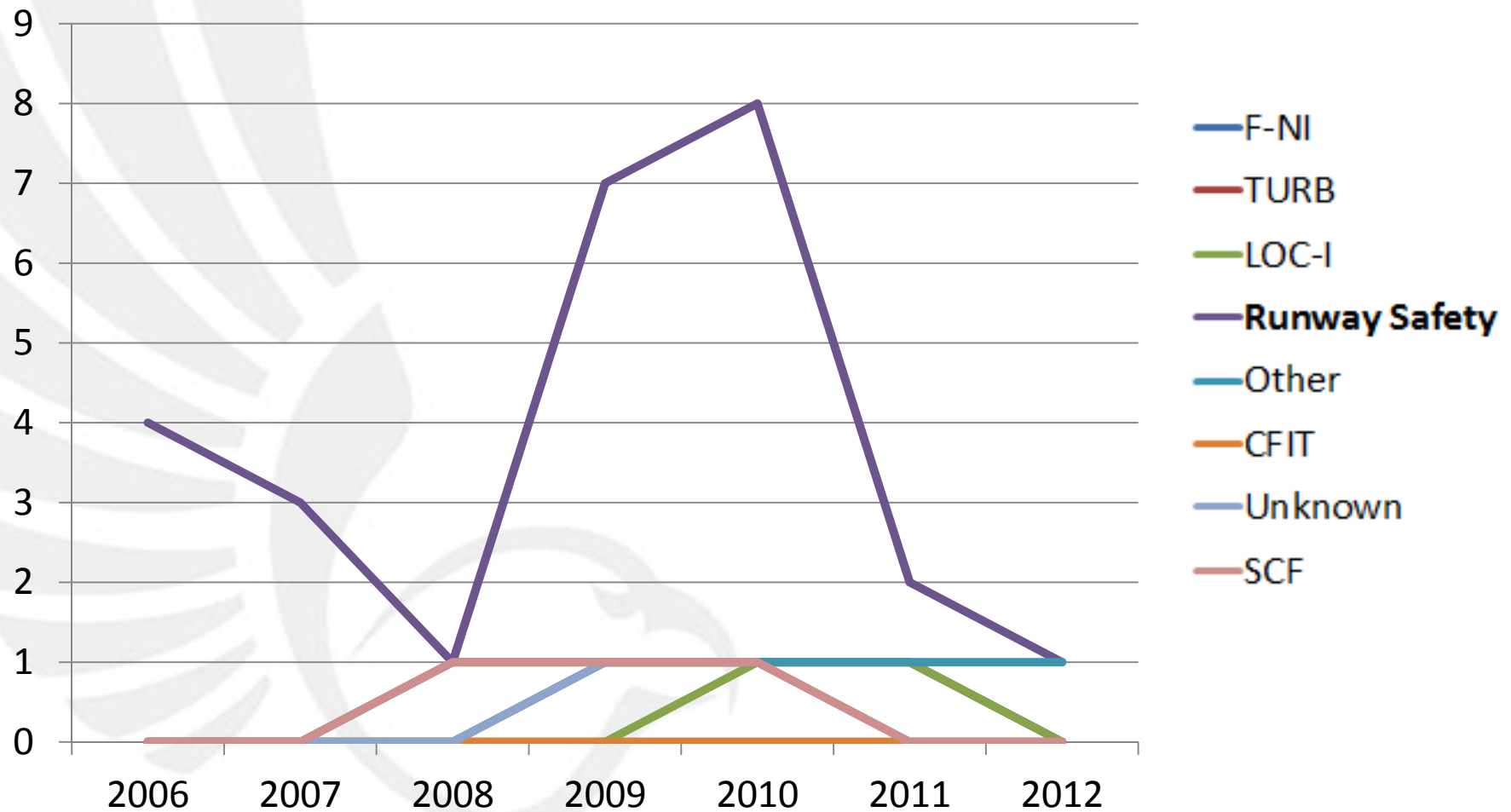


# Number of Accidents in the World Categorized by Risk Factor





## Number of Accidents in the MID Region Categorized by Risk Factor



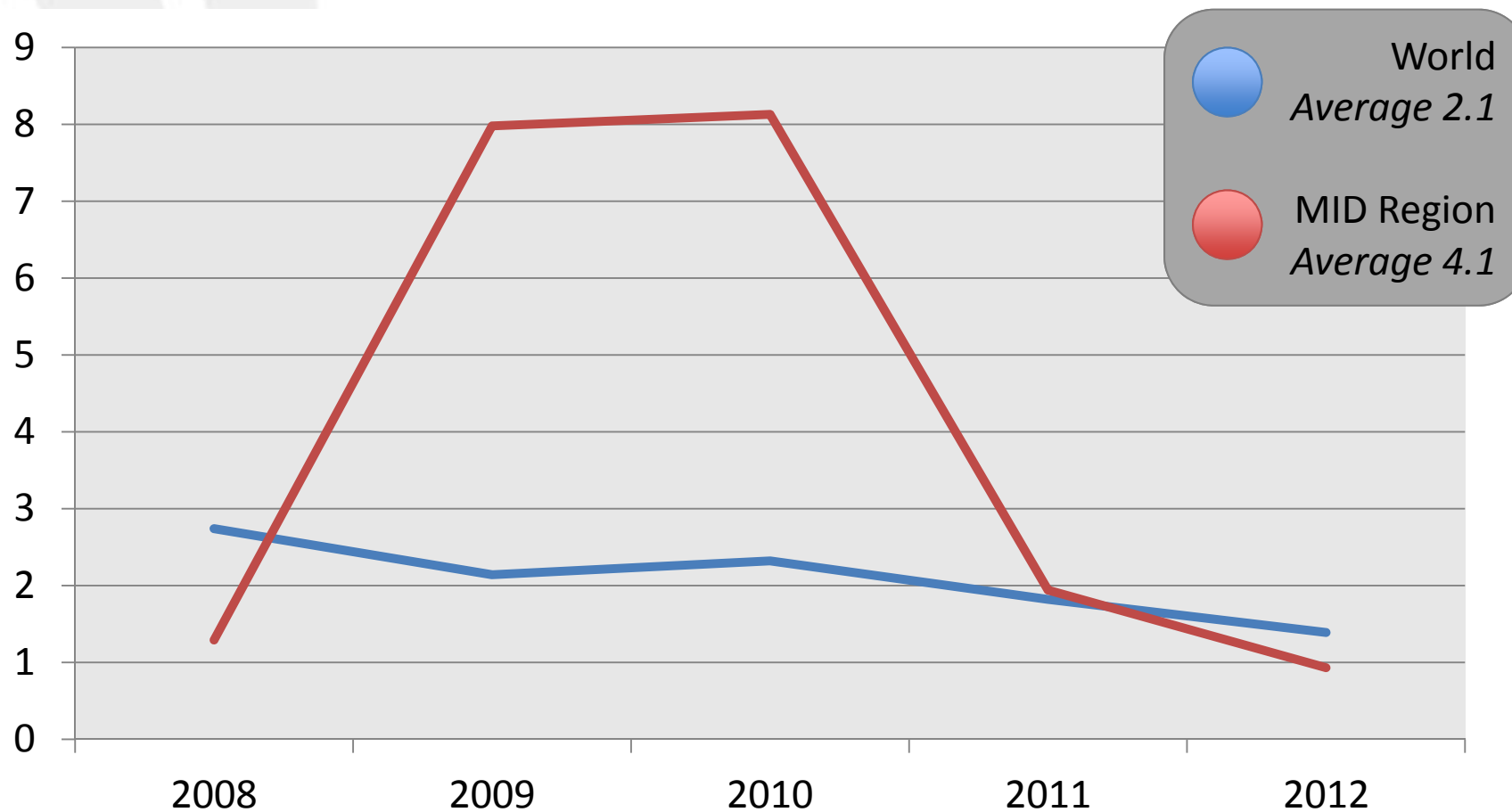
Source: ICAO-iSTARS





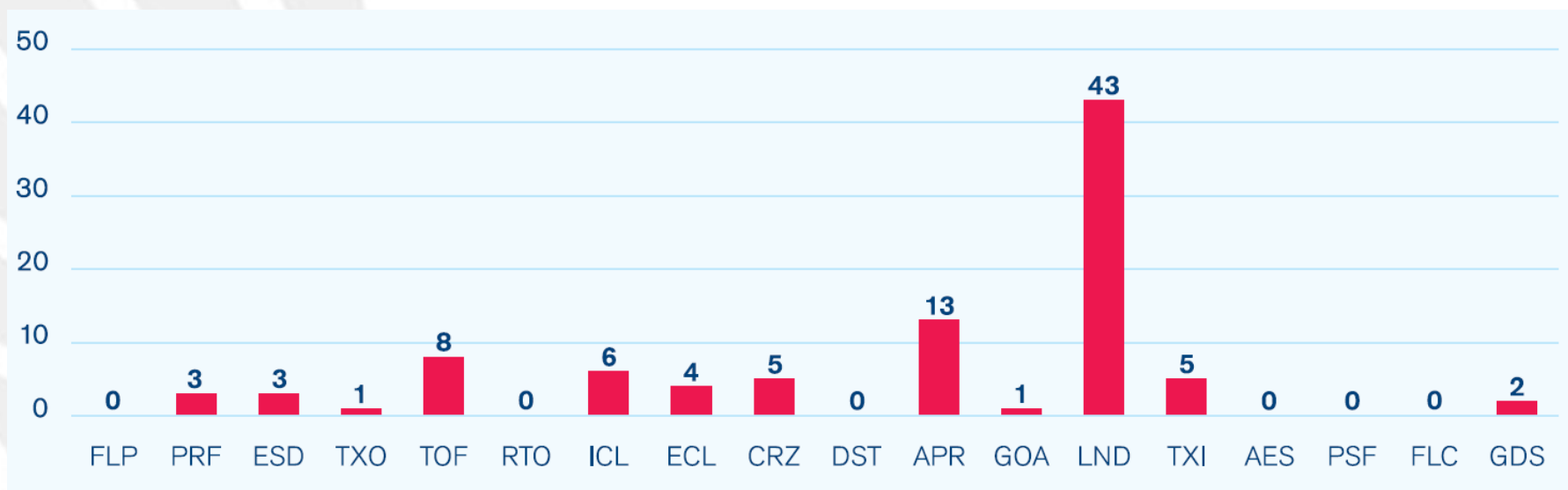
# Runway Safety

## Accidents per Million Departures



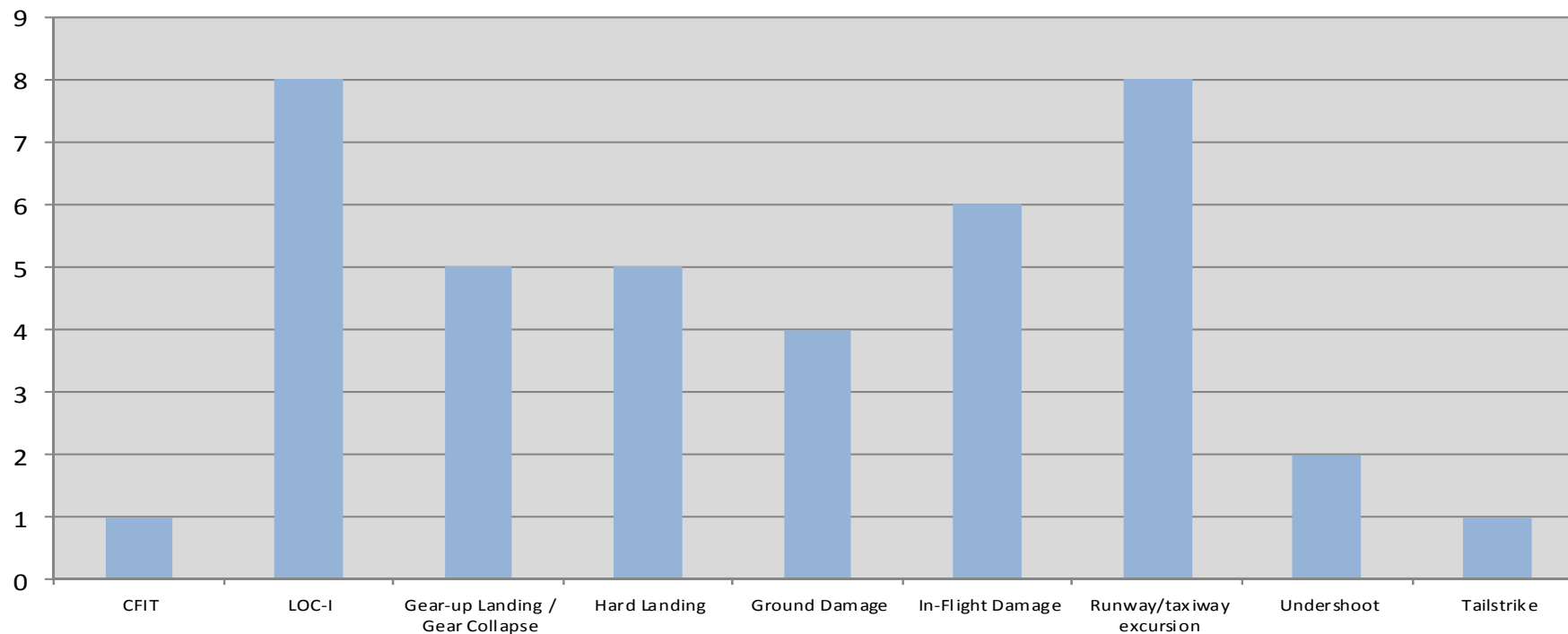


# Accidents by Phase of Flight





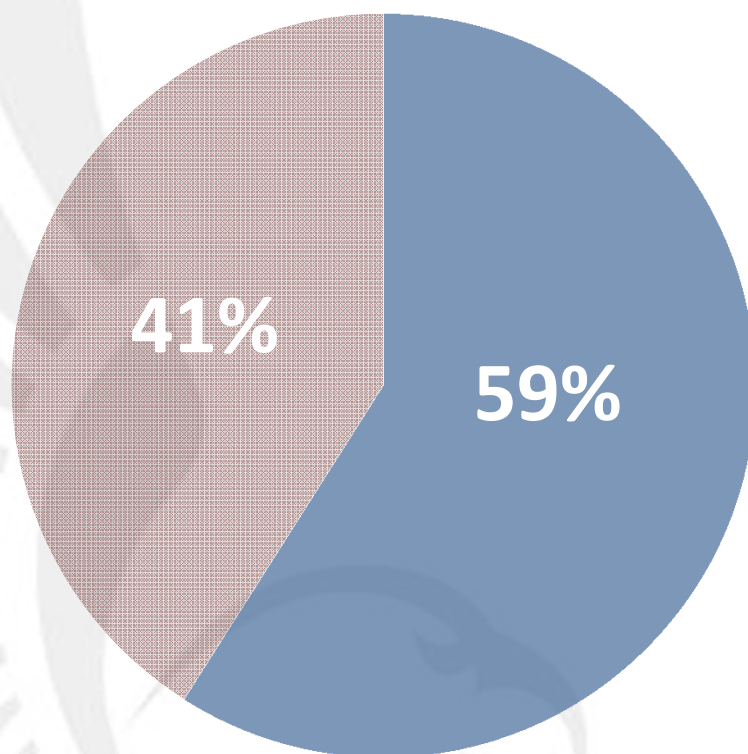
# Accident Category Breakdown for MID Operators



Source: RASG-MID Annual Safety Report – First Edition 2012



## Accidents Reported between 2006 and 2010

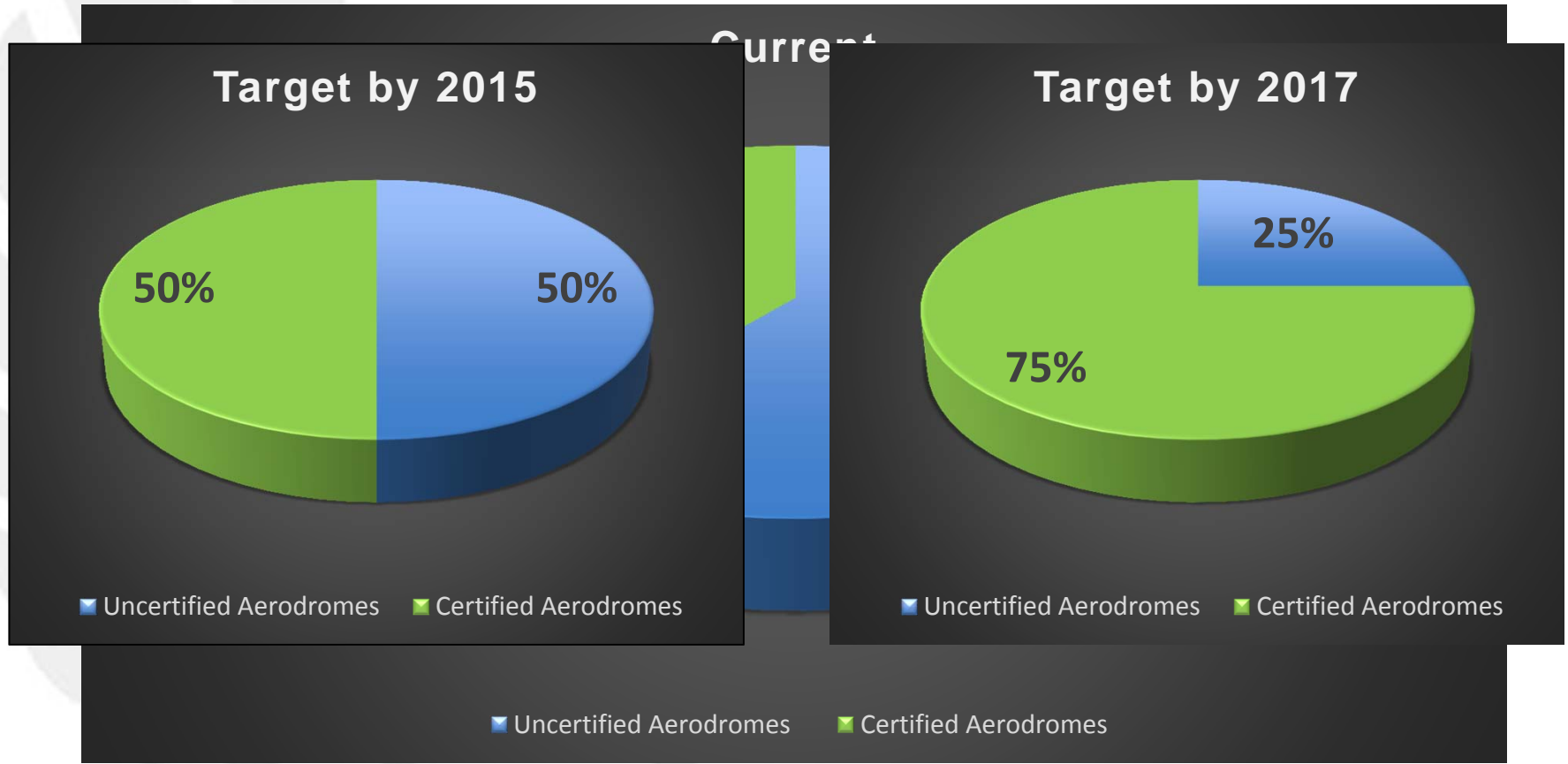


- Runway Safety Accidents
- Other Accidents





# MID Region Aerodrome Certification





# MID Region RGS Safety Indicators and Safety Targets

## Combining the Safety Indicators

Number of Runway excursion related accidents as a percentage of all accidents

Number of Runway incursion related accidents as a percentage of all accidents

Number of Runway Safety related accidents per million departures

Reduce the related accidents up to 50% by the end of 2017

### Safety Targets regarding Runway Incursions

Reduce the Runway Safety related accidents to be below the global rate

### Safety Targets regarding Runway Excursions

Reduce the Runway Safety related accidents to be less than 1 accident per million departures by end of 2017



## MID Region RGS Safety Enablers

Establishment and support of local Runway Safety Teams

Establishment of Regional RST GO-Team

Effective reporting system to exchange and analyze safety information

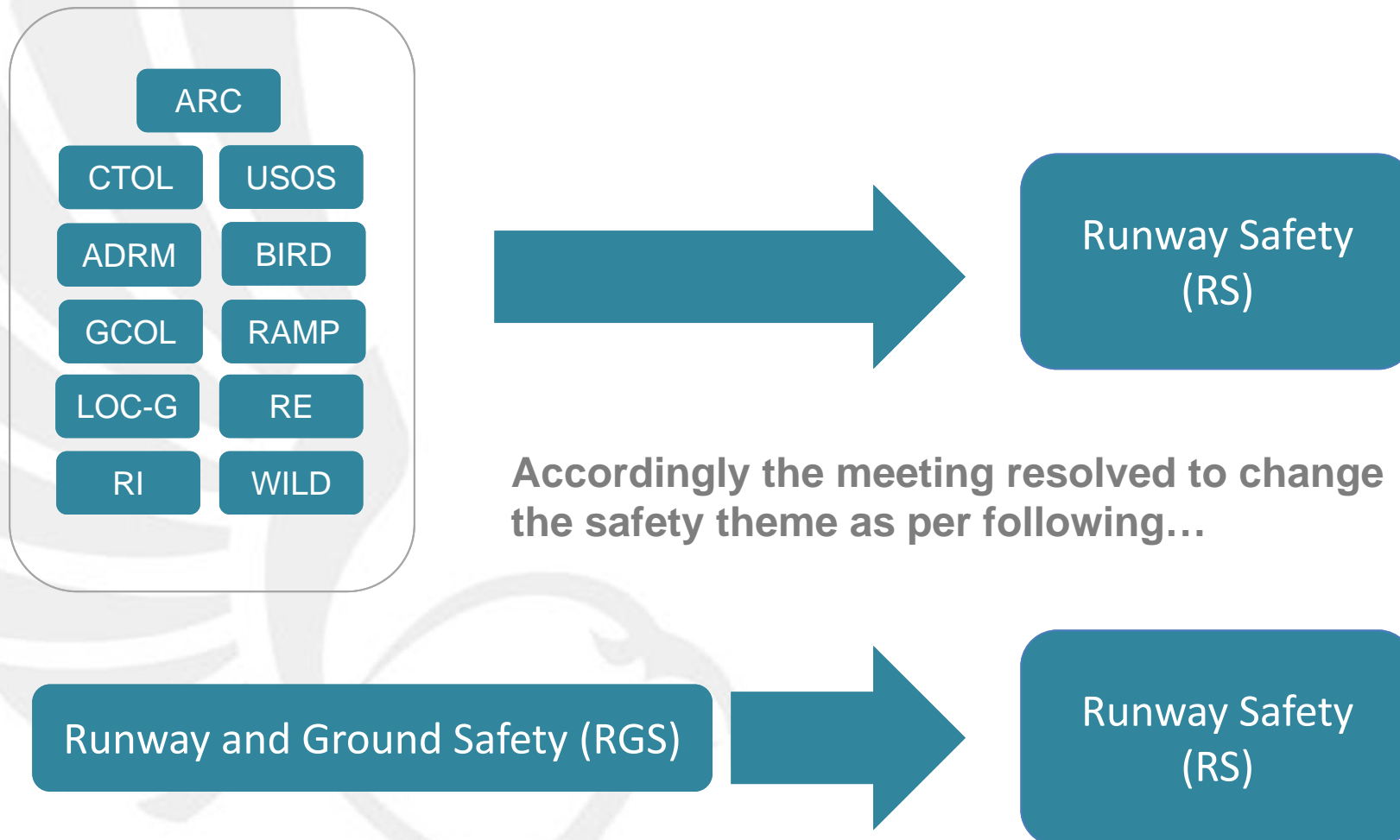
Runway Safety Seminar/Workshop

Adopt specific regulations related to runway safety

Identify hazards and mitigation measures on runway excursions/incursions and un-stabilized approach, and develop guidance material and specific training



## GROUPING OF CATEGORIES BY ICAO HQ







## Six Initiatives for Runway & Ground Safety

**Unstable  
Approach**

**Local  
Runway  
Safety  
Teams**

**Infra-  
structure**

**Safe-  
guarding**

**Wildlife**

**Lasers**



# MID-RAST–RG - Safety Enhancement Initiative - 1

## RISK REDUCTION OF UN-STABILIZED APPROACH

IATA will distribute a request to Airlines to identify specific Aerodrome runway ends with Un-Stabilized approaches

States would provide information on runway ends with reported Un-Stabilized approaches

Data received from the States and IATA will be reviewed by the RGS Working Group



## RGSG/WG/1- DRAFT CONCLUSION 1/1

States that have not yet done so be urged to minimize risk of Unstable Approaches through:

Training of pilots, air traffic controllers, and aerodrome operators

Development of relevant Guidance materials

Mandatory reporting of un-stabilized approaches

Review of Standards Operation Procedures

