

Regional Aviation Safety Group – Pan America (RASG-PA)



RASG-PA Aviation Safety Seminar
NSU, Ft. Lauderdale, Florida, United States, 29-30 March 2016
Eduardo Chacin
ICAO

The International Civil Aviation Organization (ICAO)

United Nations (UN) specialized agency, established by States in 1944 to manage the administration and governance of the Convention on International Civil Aviation (Chicago Convention)



1944-2014

Cooperating on Global Aviation Progress:

Celebrating 70 Years of the Chicago Convention

The International Civil Aviation Organization (ICAO)

It works with the Convention's 191 Member States and industry groups to reach consensus on international civil aviation Standards and Recommended Practices (SARPs) and policies in support of a safe, efficient, secure, economically sustainable and environmentally responsible civil aviation sector

ICAO Strategic Objectives 2014-2016

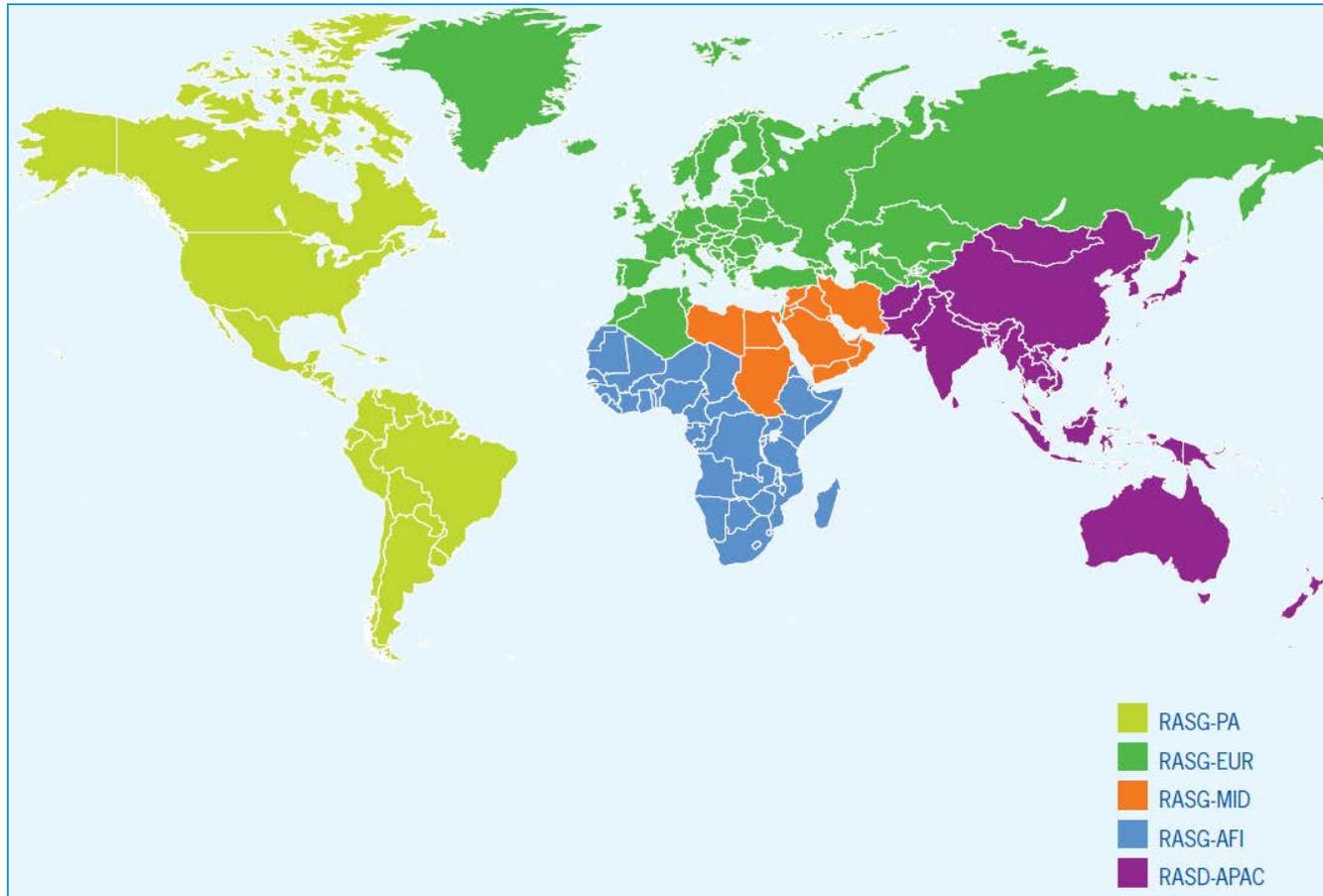
1. Safety
2. Air Navigation Capacity and Efficiency
3. Security and Facilitation
4. Economic Development of Air Transport
5. Environmental Protection

Strategic Objectives for 2014-2016

1. Safety

- Enhance global civil aviation safety
- Focused primarily on the State's regulatory oversight capabilities
- The Global Aviation Safety Plan (GASP) outlines the key activities for the triennium

ICAO Regional Aviation Safety Groups - RASGs



RASG-PA

First in the World (2008)

Multi-regional

States/Territories, Intl' Organizations & Industry

Adopted in other ICAO Regions

Aligned with GASP

Data-driven / Results Oriented

RASG-PA Mission

It is to reduce fatality risk in commercial aviation by ensuring prioritization, coordination and implementation of data - driven safety enhancement initiatives in the Pan American Region through the active involvement of all civil aviation stakeholders



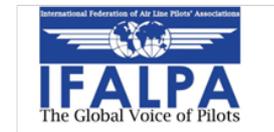
RASG-PA Vision

It is to remain ahead of any risks to commercial aviation, seeking to achieve the highest level of safety in the Pan American Region



RASG-PA Membership

34 NAM/CAR/SAM States, 19 Territories and...



Pan American Scheduled Commercial Air Transport Accidents

Pan American Scheduled Commercial Air Transport Accidents			
Year	Total Accidents	Fatal accidents	Total fatalities
2004-2013 avg.	39.3	3.3	81.8
2013	36	4	18
2014	35	0	0

Aircraft MTOM above 5,700 kilograms
Source: RASG-PA ASR 6th Edition

RASG-PA develops Safety Enhancement Initiatives for the high-risk accident occurrence categories:



Runway Excursion (RE)



Controlled Flight Into Terrain (CFIT)



Loss of Control-Inflight (LOC-I)



Mid-Air Collision (MAC)

...and Detailed Implementation Plans (DIPs)

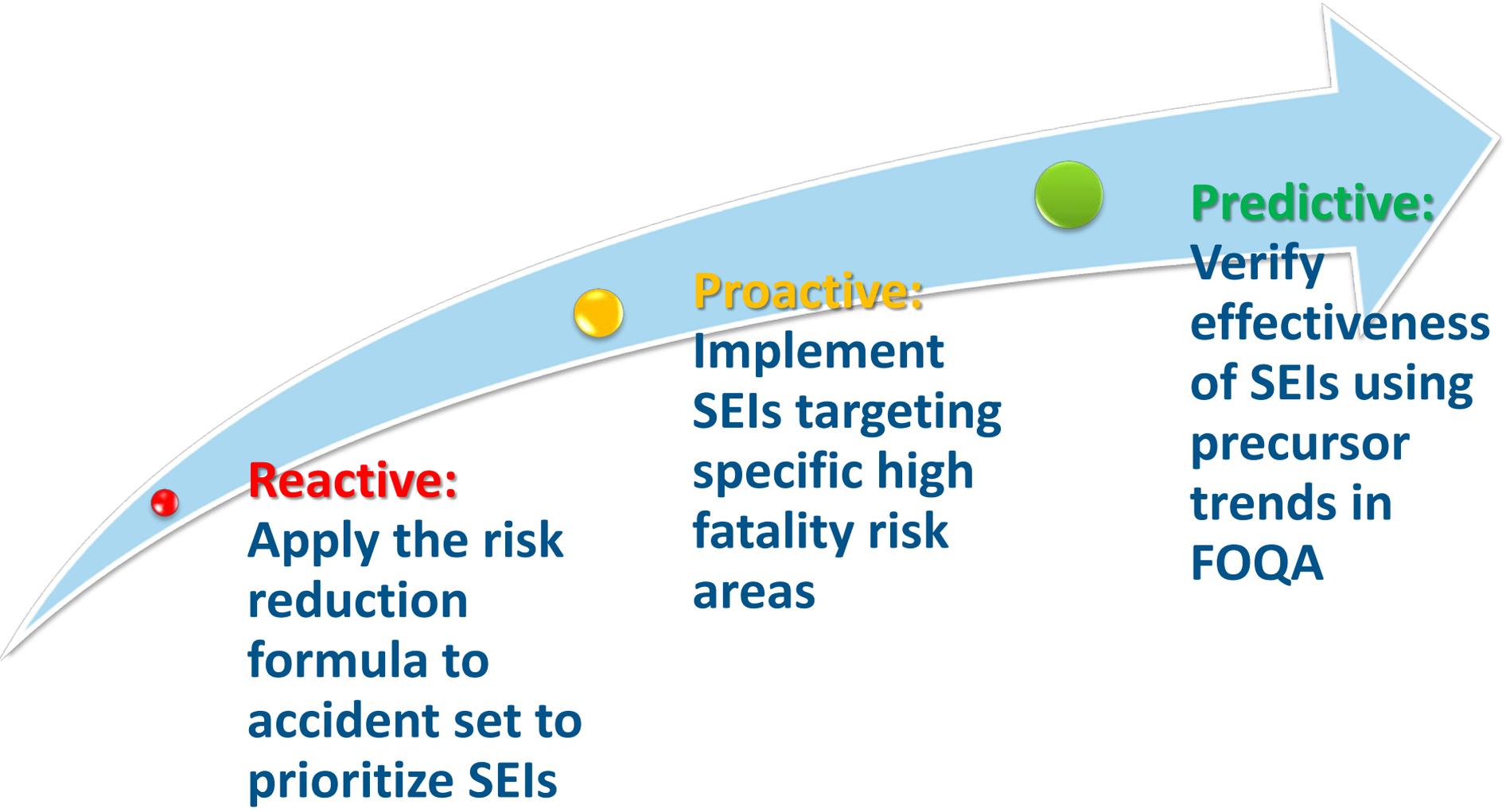
RASG-PA uses different types of safety data/information

REACTIVE: safety analysis based upon past occurrences (accidents and incidents)

PROACTIVE: analysis of States' existing conditions (ICAO SARPs implementation, traffic variations) and service providers (IATA Operational Safety Audits, ramp inspections)

PREDICTIVE: based upon analysis of Flight Operations Quality Assurance (FOQA) de-identified data, oriented towards identifying potential future hazards for initiating corresponding mitigation actions

RASG-PA Risk Management Strategy



Reactive:
Apply the risk reduction formula to accident set to prioritize SEIs

Proactive:
Implement SEIs targeting specific high fatality risk areas

Predictive:
Verify effectiveness of SEIs using precursor trends in FOQA

RASG-PA Risk Analysis

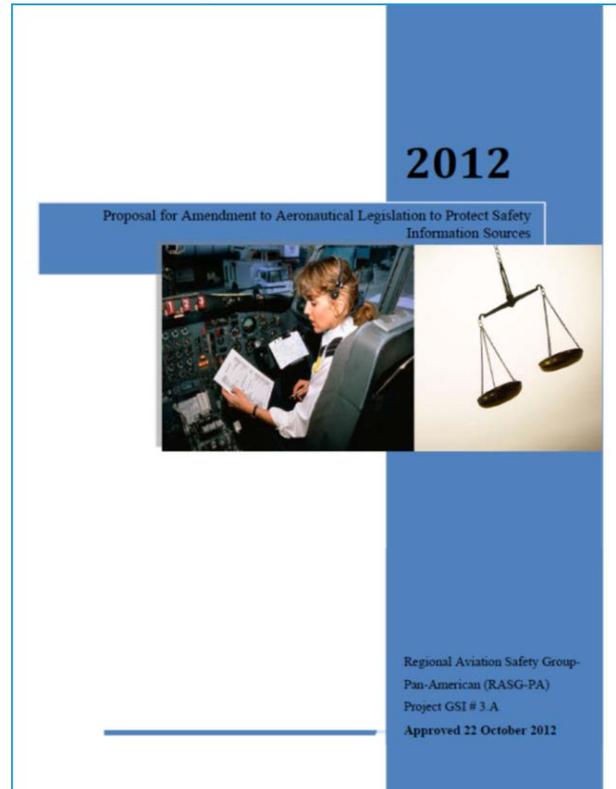
- **RASG-PA Goal: 50% fatality risk reduction (2010 – 2020)**
- **Fatality risk: full loss passenger load equivalent per million departures**
- **Baseline: 5 year average fatality risk in 2010 = 0.6**
- **2020 Goal = 0.3**
- **Calculated risk reduction due to SEIs implemented in the period 2009-2013 = 25%**
- **Calculated Risk through 2014 = 0.39, actual = 0.37**

Other RASG-PA Deliverables



RASG-PA

RASG-PA created the Proposal for Amendment to Aeronautical Legislation to Protect Safety Information Sources



Pan American Aviation Safety Summits

1st Pan American AVIATION SAFETY SUMMIT

Working together for a safer industry



April 19-23, 2010
Sao Paulo, Brazil

in partnership with ALTA



2nd PAN AMERICAN AVIATION SAFETY SUMMIT 2011

June 15-16 Mexico City

Working together for a safer industry



in partnership with ALTA



3rd PAN AMERICAN AVIATION SAFETY SUMMIT

June 19-21 | 2012



JUNE 19-21 2012
BOGOTÁ, COLOMBIA

4th PAN AMERICAN AVIATION SAFETY SUMMIT



JUNE 25-26, 2013
SAN JOSE, COSTA RICA

5th PAN AMERICAN AVIATION SAFETY SUMMIT

www.alta.aero ALTA



5th PAN AMERICAN AVIATION SAFETY SUMMIT
SEPTEMBER 9-10th, 2014

CURAÇAO





6th PAN AMERICAN

AVIATION SAFETY SUMMIT

The Region's most important Aviation Safety Conference

and

8th RASG-PA Annual Plenary Meeting

Medellin, Colombia, 25 June 2015



7th PAN AMERICAN AVIATION SAFETY SUMMIT

Panama City, Panama, 20-23 June 2016

RASG-PA and Autoridad Aeronautica Civil Panama in partnership with ICAO and the Latin American and Caribbean Air Transport Association (ALTA) will be sponsoring the 7th Pan American Aviation Safety Summit and the 9th RASG-PA Plenary Meeting

RASG-PA Projects

Completed

Use of Std Spanish and English Phraseology in accordance with the ICAO PANS-ATM – Air Traffic Management (Doc 4444)

Bird Strike Reduction Programme

Development of Metrics to Measure Institutional Strengths of the Civil Aviation Authorities

Active

Regional Aviation Accidents Investigation Group (GRIAA) in Central America

Flight Information Quality Assurance (FOQA) Programme in Central America (PASO)

CAR and SAM Regions Safety Information Project

RASG-PA Plan

**2016-
2017**

Align RASG-PA work programme with GASP

Support roll-out of GASP and Annex 19

Mitigate RE, CFIT, LOC-I and MAC

Monitor/act Regional safety issues

Coordinate with GREPECAS and RSOOs

Increase participation of stakeholders

Positioning as strategic regional safety forum

Collect safety information for ICAO

Challenges

Regional

Traffic growth

New air transport operators and new aircraft orders

Demand for skilled aviation personnel

Training capacity

Attractiveness of aviation

Attrition related impact

Infrastructure deficiencies

Resources

Political will

Summary

- ICAO is committed to improving aviation safety and enabling seamless co-operation and communication between stakeholders
- ICAO continues to collaborate with established regional organizations, such as Regional Aviation Safety Groups (RASGs) and Regional Safety Oversight Organizations (RSOOs) and promote the training and support necessary to address emerging safety issues

RASG-PA is one of the key contributors for the Pan American Regional Safety Enhancement



Join the Group!





RASG-PA

RASG-PA@icao.int

www.icao.int/RASGPA/

www.icao.int

Thank you!