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

May 2016





Regional Aviation Safety Groups - RASGs

- ✈ Support the implementation of the Global Aviation Safety Plan - GASP and address global aviation safety matters from a regional perspective
- ✈ Serve as the focal point to coordinate all regional efforts and programmes aimed at mitigating safety risks
- ✈ Eliminate duplication of effort through the establishment of cooperative regional safety programmes to reduce both financial and human resource burdens on States while delivering measurable safety improvements



RASG-PA Introduction



- ✈ First in the World (2008)
- ✈ Multi-regional (NAM/CAR and SAM Regions)
- ✈ States/Territories, International Organizations and Industry
- ✈ Adopted by ICAO
- ✈ Aligned with Global Aviation Safety Plan (GASP)
- ✈ Data-driven / Results oriented



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



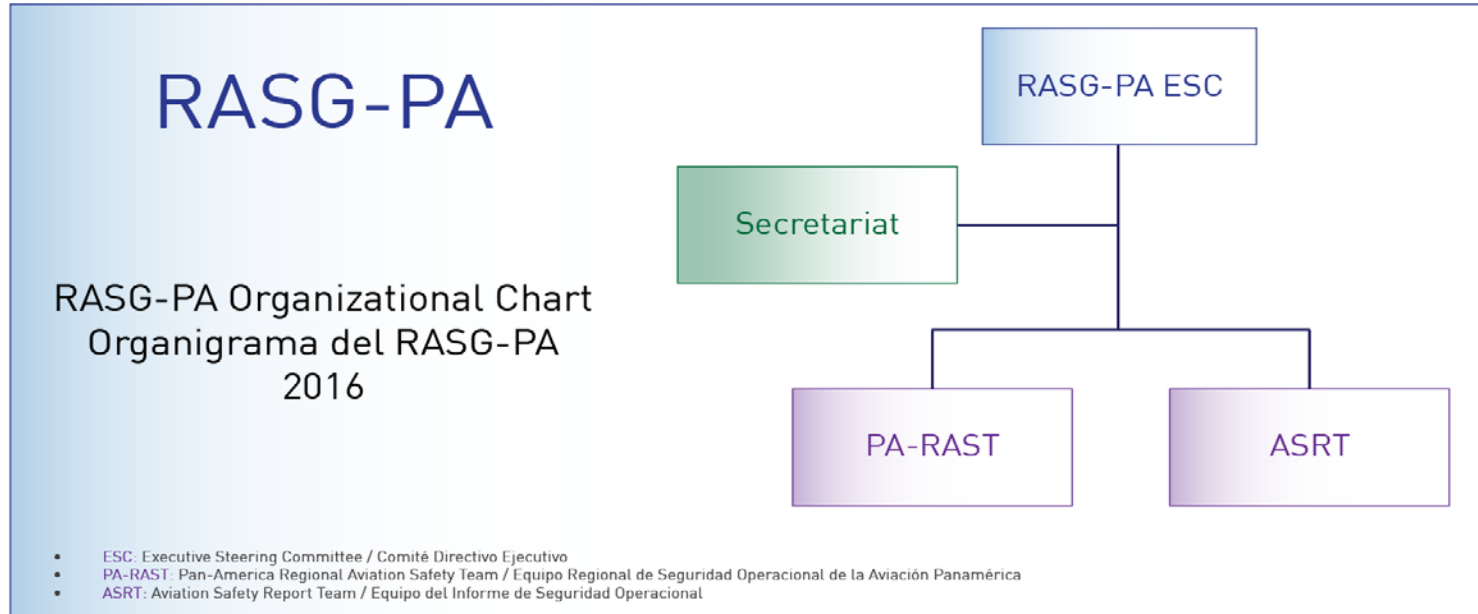


Mission

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



Organizational Chart



RASG-PA Secretariat: ICAO NACC Regional Office

Membership

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





RASG-PA Chairmanship

✈ Composed by two Co-Chairpersons:

1. ESC member States/Territories
2. ESC member International Organizations/Industry

✈ The Executive Steering Committee (ESC) members representing States/Territories and International Organizations/Industry shall propose their respective representative as Co-Chairperson for ratification by the RASG-PA membership



Executive Steering Committee - ESC

Membership is based on:

- ✈ Geographical balanced representation within and between the NAM/CAR and SAM Regions
- ✈ Balanced representation between States and international organizations/industry
- ✈ Balanced diversity of interests and areas of expertise in civil aviation
- ✈ A manageable number of members to function effectively as an executive body



ESC

Membership is composed by 16 representatives from:

1. Four States from the CAR/NAM Regions
2. Four States from the SAM Region
3. Eight international organizations/industry



RASG-PA Fatality Risk Reduction Goal

Using 2010 as a baseline, is to reduce fatality risk* for Part 121 or equivalent operations by 50% by the year 2020 in Latin America and the Caribbean

***Fatality risk is the full loss passenger load equivalents per million departures**



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	41	0	0

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

RASG-PA uses different types of safety data/information



RASG-PA produces safety intelligence from different sources

Fatal Accidents by CAST/ICAO Taxonomy Accident
Pan American* Airline Domicile – 2000 thro

Accident Type	2000	2001	2002
ERR			
LOC			
DESCENDING - ARC			
UNDP			
MFC			
SCF-PP			
UTER			
SCF-PP			

ANIC Anomalous Runway Contact
 CFTI Controlled Flight Into or Toward Terrain
 LOCJ Loss of Control - in-flight
 MACJ Misalignment Master Collision
 RAMP Ground Handling

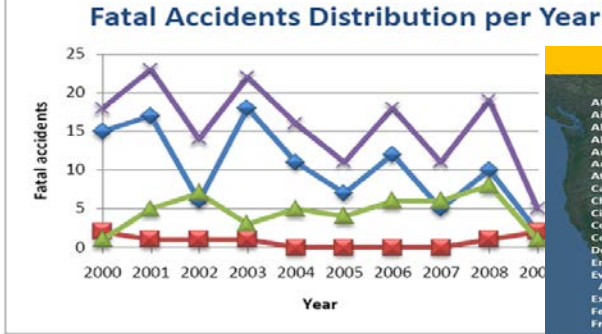
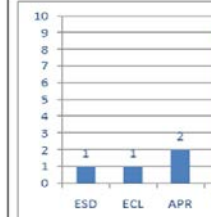


North America

IATA Members		Fatal		
Passenger	Cargo	Ferry	Jet	Turboprop
64%	36%	0%	64%	36%



Accidents per Phase of Flight* Breakdown per Accident Category



ASIAS Member
44 Airlines

- ABX Air
- Air Wisconsin Airlines
- Alaska Airlines
- Aloha Air Cargo
- American Airlines
- American Eagle Airlines
- Atlas Air
- Cape Air
- Chautauqua Airlines
- CitationAir
- CommutAir
- Compass Airlines
- Delta Air Lines
- Empire Airlines
- Evergreen International Airlines
- ExpressJet
- FedEx Express
- Frontier Airlines
- GoJet Airlines
- Hawaiian Airlines
- Horizon Air
- JetBlue Airways
- Mesa Airlines
- Miami Air International
- North American Airlines
- Omni Air International
- Piedmont Airlines
- Pinnacle Airlines
- Polar Air Cargo
- PSA Airlines
- Republic Airlines
- Shuttle America
- Silver Airways
- SkyWest Airlines
- Southern Air
- Southwest Airlines
- Spirit Airlines

Government

- FAA, NASA, Naval Air Force Atlantic, USAF Safety Center

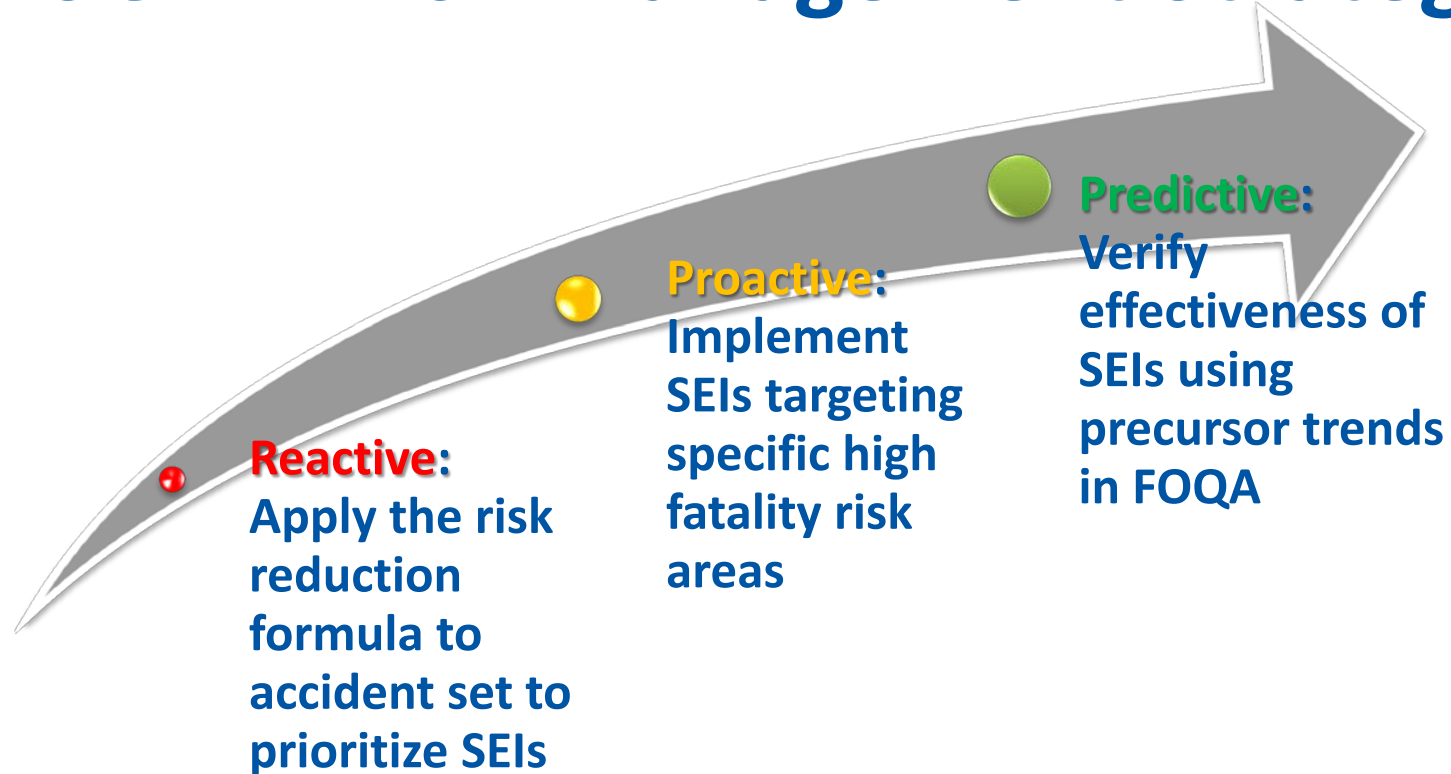
Industry

- AIA, Airbus, ALPA, A4A, Boeing, CAPA, NACA, NATCA, RAA, SWAPA

trans states airlines
United Parcel Service
US Airways
Virgin America
World Airways

As of 14 February 2013

RASG-PA Risk Management Strategy



RASG-PA Risk Analysis

Baseline (5 years average fatality risk) in 2010 was 0.6 in Latin America and the Caribbean

RASG-PA goal is fatality risk of 0.3 in 2020

Calculated risk reduction due to RASG-PA SEIs implementation in 2010–2014 allowed to reduce the fatality risk in 25%

Fatality risk calculated through 2014 was 0.39

Estimated fatality risk in 2015 was 0.37

Fatality risk is the full loss passenger load equivalents per million departures



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RASG-PA Deliverables



RASG-PA

RASG-PA develops Safety Enhancement Initiatives for the top accident categories in Pan America



Runway Excursion (RE)



Controlled Flight Into Terrain (CFIT)



Loss of Control-Inflight (LOC-I)



Mid-Air Collision (MAC)

RASG-PA publishes Annual Safety Reports

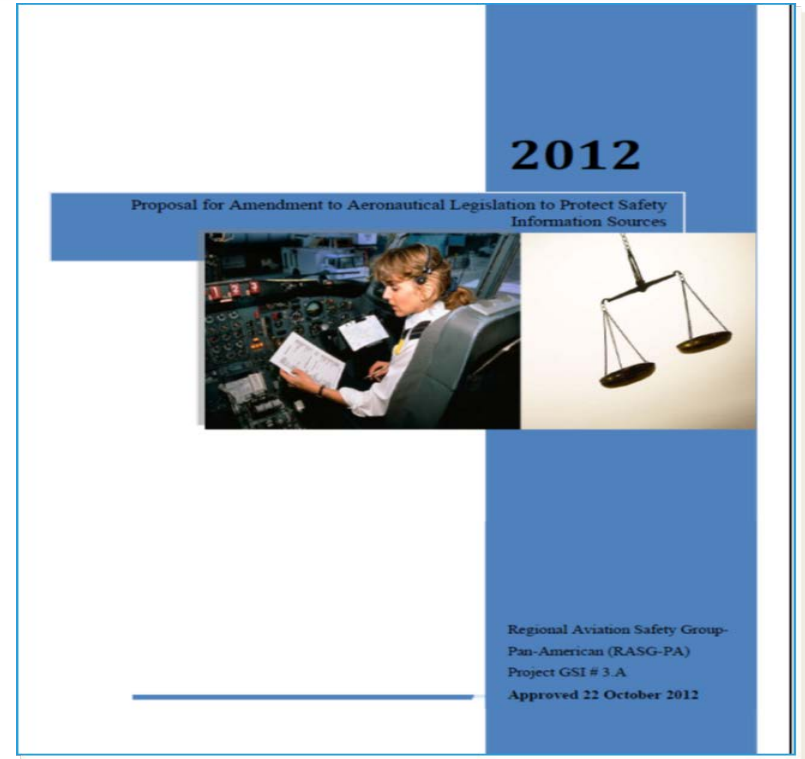




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RASG-PA created the Proposal for Amendment to Aeronautical Legislation to Protect Safety Information Sources





Active RASG-PA Projects

- ✈ Use of Std Spanish & English Phraseology in accordance with the ICAO PANS-ATM – Air Traffic Management (Doc 4444)
 - ✈ Pilots/ATC Workshops to be delivered
- ✈ Regional Aviation Accidents Investigation Group (GRIAA) in Central America
 - ✈ To be implemented in all Central American States
- ✈ Flight Information Quality Assurance (FOQA) Programme in Central America (PASO in Costa Rica)
 - ✈ To be adopted in other States
- ✈ CAR and SAM Regions Safety Information Project
 - ✈ Focus group activity – on going



Upcoming Events



**7th PAN AMERICAN
AVIATION SAFETY SUMMIT**

and

9th RASG-PA Plenary Meeting

Panama City, Panama, 21-23 June 2016

Sponsored by RASG-PA and AAC of Panama in partnership with ALTA and ICAO

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





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Join the Group!





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and Caribbean
(NACC) Office
Mexico City

South American
(SAM) Office
Lima

ICAO
Headquarters
Montréal

Western and
Central African
(WACAF) Office
Dakar

European and
North Atlantic
(EUR/NAT) Office
Paris

Middle East
(MID) Office
Cairo

Eastern and
Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok

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THANK YOU