





Regional Aviation Safety Group – Pan America

**Update to APRAST** 

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#### **RASG-PA MEMBERSHIP** NAM/CAR/SAM States/Territories and...























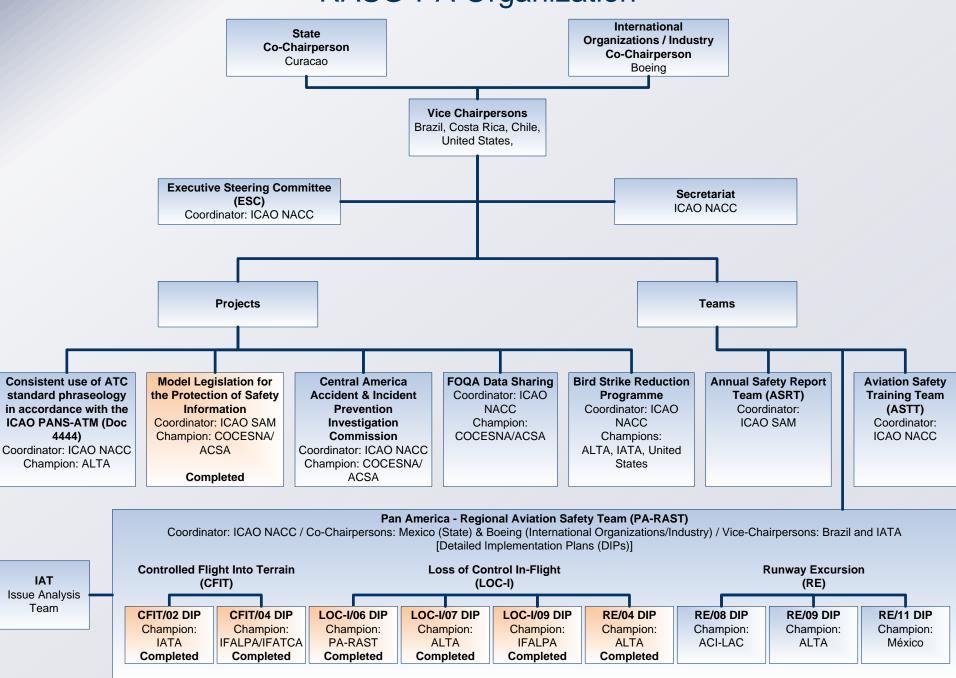








#### **RASG-PA Organization**





The RASG-PA Annual Safety
Report Shows that the Number
of Accidents in the Pan American
Region is Decreasing...



PAN AMERICA Scheduled Commercial Air Transport Operations Accidents
Aircraft Maximum Take-off Mass above 27,000 kilograms
Sources: Boeing - ICAO ADREP/ECCAIRS

Year	Total Accidents <sup>3</sup>	Fatal accidents <sup>4</sup>	Total fatalities
2002-2011 avg.	23.9	1.2	59.9
2011	27	0	0
2012	4	0	0



A Key Contributor to this Record is the Regional Aviation Safety Group — Pan America (RASG-PA)



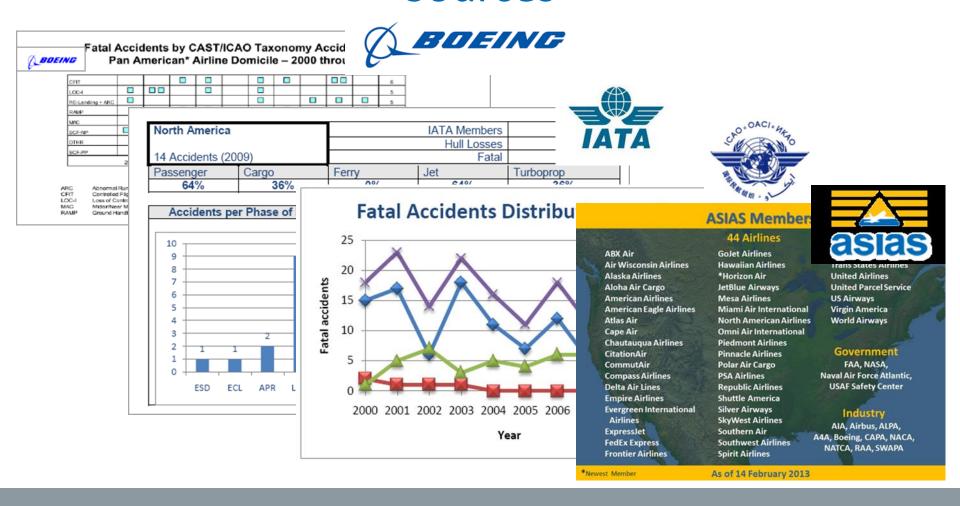


### RASG-PA is a Data-Driven, Results-Oriented Organization with a Specific Risk Reduction Goal



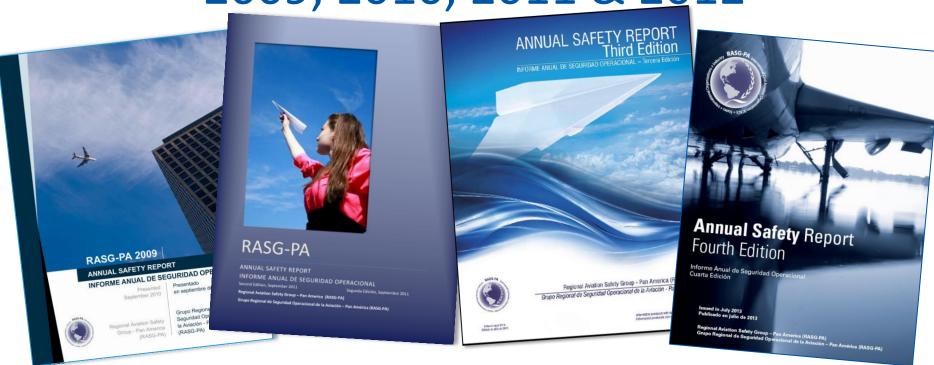


# RASG-PA uses Safety Data from Different Sources





# RASG-PA has Produced an Annual Safety Report for the Pan America Region: 2009, 2010, 2011 & 2012



### Measuring Results



# RASG-PA uses Different Types of Safety Information

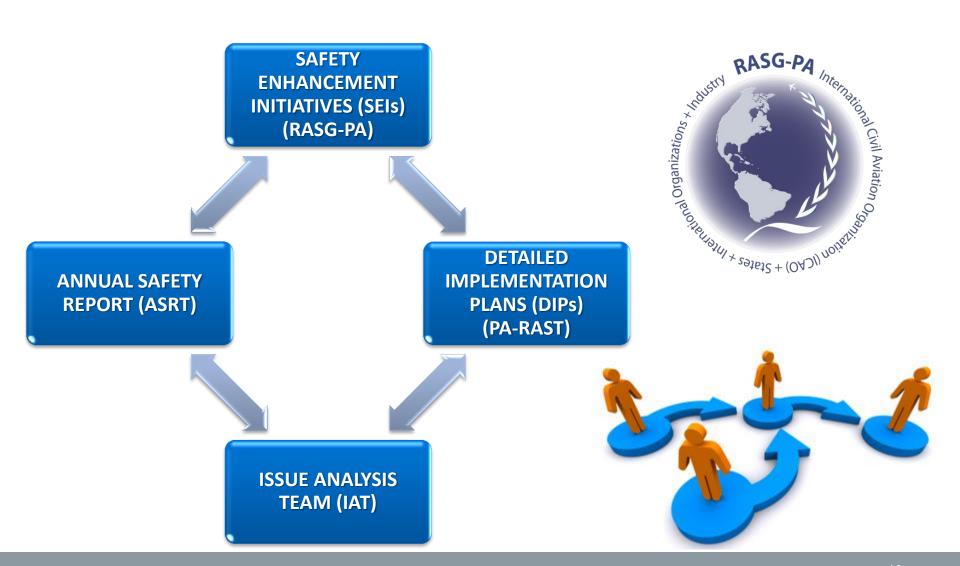


REACTIVE: safety analysis based upon past occurrences (accidents and incidents) in the Pan American Region PROACTIVE: includes analysis of States' existing conditions (ICAO Standards and Recommended Practices implementation, traffic variations) and service providers (IATA Operational Safety Audits, ramp inspections)

upon analysis of Flight
Operations Quality
Assurance (FOQA) deidentified data,
oriented towards
identifying potential
future hazards for
initiating
corresponding
mitigation actions



#### **RASG-PA PROCESS**





# RASG-PA Develops SEIs to Tackle the Main Risk Areas:

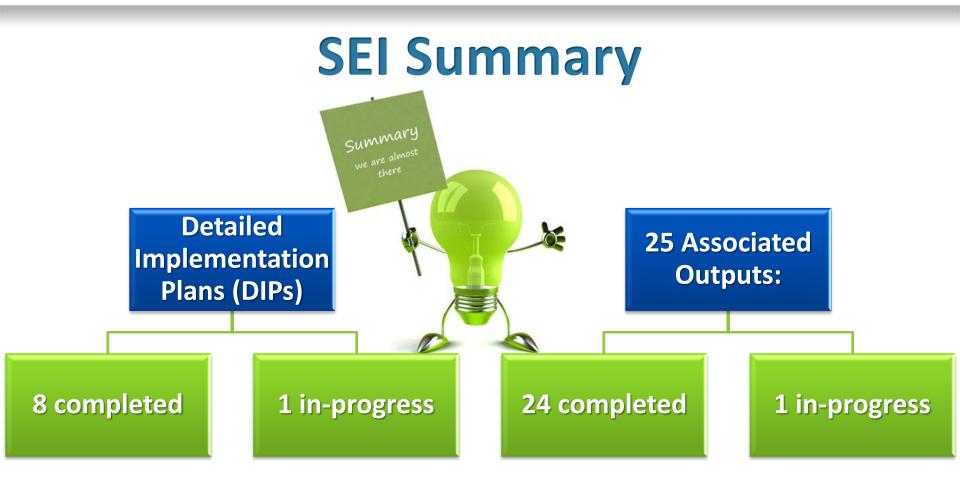
Runway Excursions (RE) Controlled Flight Into Terrain (CFIT)

Loss of Control-Inflight (LOC-I) Mid-Air Collision (MAC)



Every SEI has an associated Detailed Implementation Plan (DIP)





New SEIs are under development by the Safety Enhancement Teams (SETs)



#### **RASG-PA Deliverables**





Four Pan American Aviation
Safety Summits

Proposal for Amendment to
Aeronautical Legislation to
Protect Safety Information
Sources and First Aeronautical
Legislative Seminar for the
Protection of Safety Information

Runway Excursion Risk Reduction (RERR) Toolkit (Version 2)

Advanced Maneuvers Manual Distributed To All Operators In The Region

Seven RASG-PA Aviation Safety Workshops/Seminars



#### **RASG-PA** Deliverables





**Pilot Monitoring Toolkit** 

Guidance for Maintaining
Runways in Accordance with
ICAO Annex 14

Aviation Safety Training Material Available on the RASG-PA Website: <a href="https://www.rasg-pa.org">www.rasg-pa.org</a>

Standardized CFIT Training Across Operators in the Region

RASG-PA Safety Advisories (RSAs)

Implemented Runway Safety
Teams (RSTs) at the Mexico City
International Airport (MMMX),
Mexico; Montego Bay, (MKJS),
Jamaica; Quito, (SEQU), Ecuador;
Lima (SPIM), Peru and San Jose,
Costa Rica (MROC)

## Accident Rates by Region of the World 2003 through 2012

2002 2007 2012

Western-built transports >60,000-pounds <u>hull loss</u> accidents, by <u>airline domicile</u>

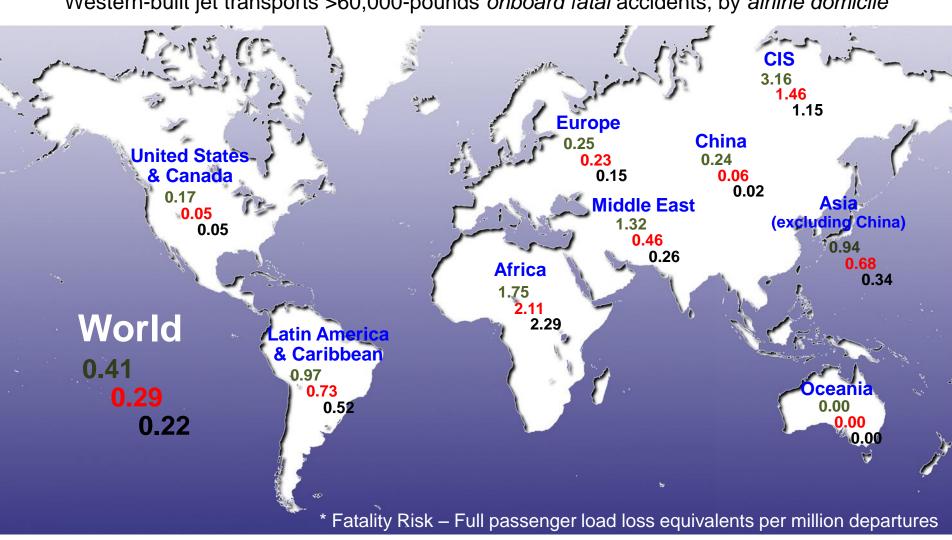


#### Fatality Risk\* of Commercial Jet Air Travel by Region of the World

(10-year rolling average)

2002 2007 2012

Western-built jet transports >60,000-pounds onboard fatal accidents, by airline domicile





### Thank you!



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