INTERNATIONAL CIVIL AVIATION ORGANIZATION

A United Nations Specialized Agency

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

RASG-PA Aviation Safety Seminar

Mexico City, Mexico, 15 -16 August 2013

Eduardo Chacin

ICAO

Facts and Figures (ICAO)

	2012 (PRELIMINARY)	2030 (FORECAST)
PASSENGERS CARRIED	2.9 billion +5% vs 2011	6.3 billion +4.5% annual growth rate
AIRCRAFT DEPARTURES	31 million +1 million vs 2011	59 million +3.6% annual growth rate

Traffic Statistics for Revenue Schedule Services

Facts and Figures (ICAO)

Air Transport Facts

SOCIAL BENEFITS

60 million jobs → Worldwide

Directly and supporting sectors

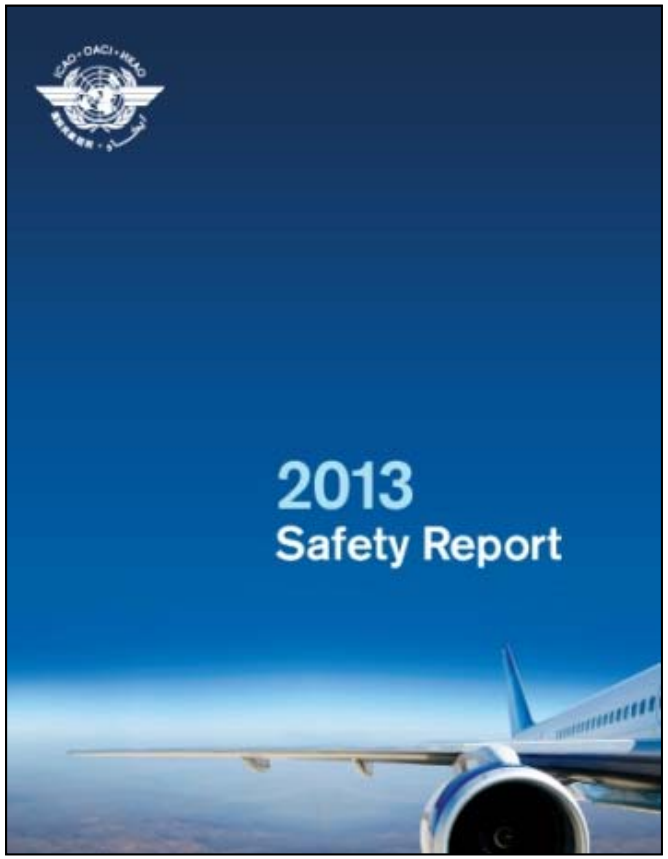
ECONOMIC BENEFIT

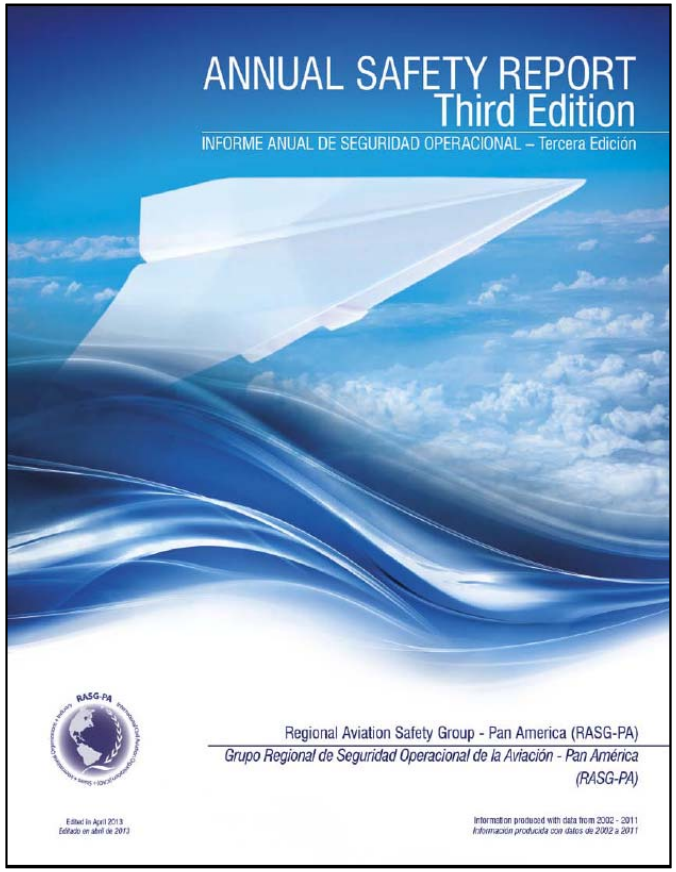
2 trillion USD = 3.5% GDP

global

Aviation annually carries more than half of the 1 billion international tourists

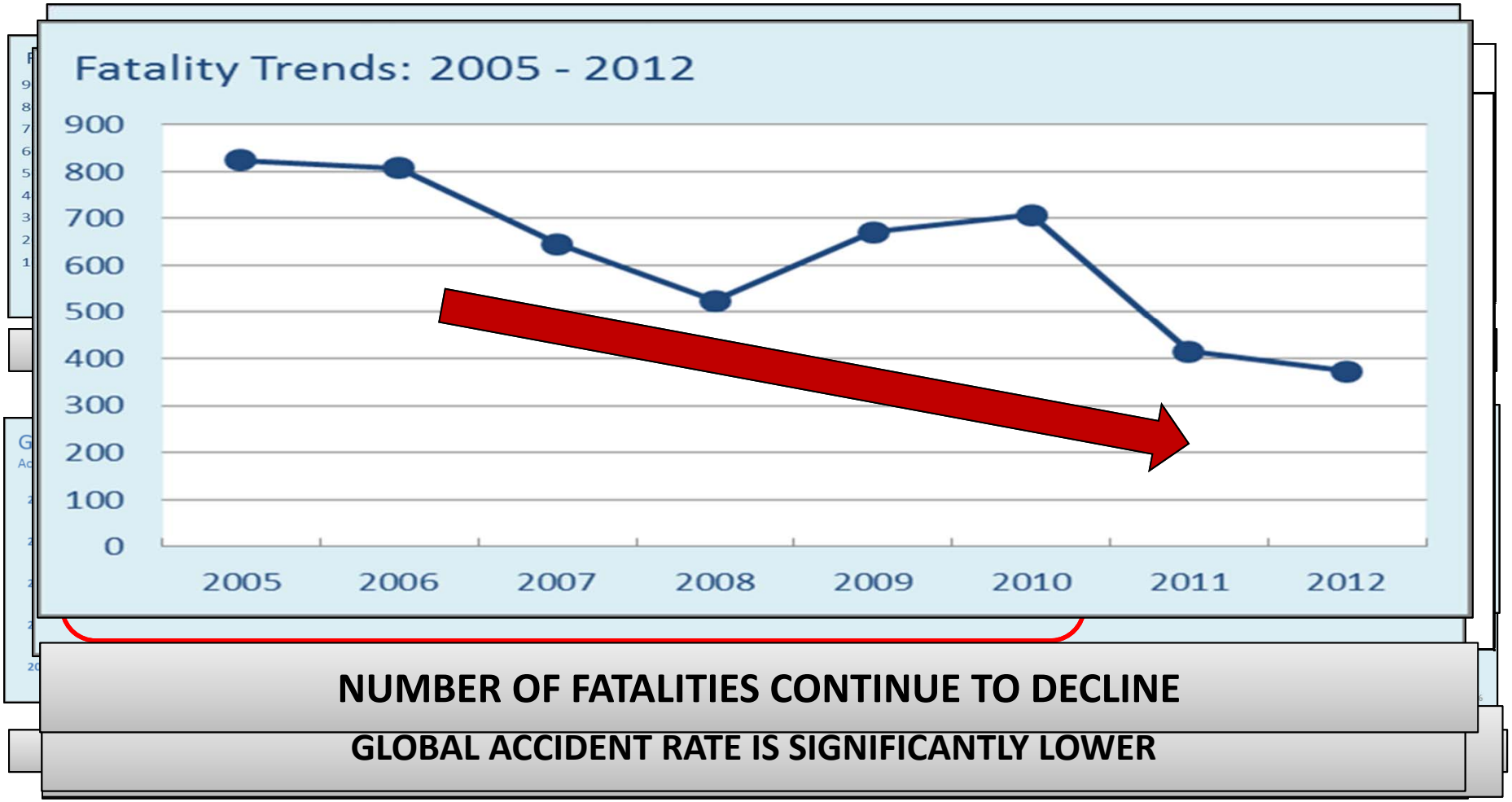
2013 ICAO Safety Report & RASG-PA Annual Safety Report





Status of Global Aviation Safety

Based on scheduled commercial operations involving aircraft having a maximum take-off weight (MTOW) above 2250 kg.



NUMBER OF FATALITIES CONTINUE TO DECLINE

GLOBAL ACCIDENT RATE IS SIGNIFICANTLY LOWER

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

RASG-PA

- First in the World (2008)
- Multiregional
- Includes States, International Organizations & Industry
- Adopted in other ICAO Regions
- Aligned with GASP and GASR
- Data Driven
- Results Oriented

Mission

Improve civil aviation safety and efficiency in the Pan American Region by applying the ICAO Global Aviation Safety Plan (GASP) principles through a collaborative approach in partnership with all aviation stakeholders under the leadership of ICAO

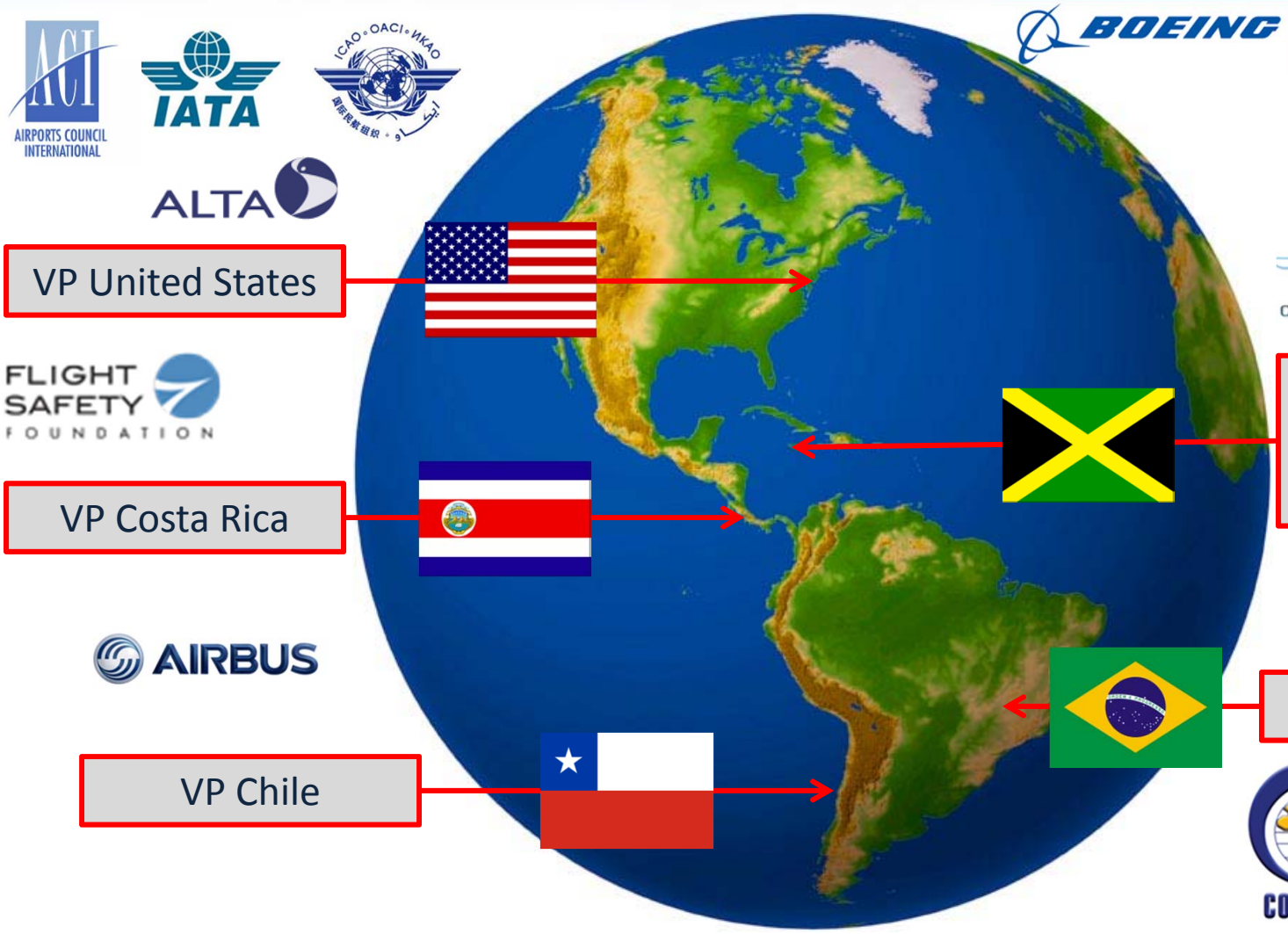
Vision

Involve all aviation safety stakeholders to reduce aviation safety risks in the North American, Central American, Caribbean (NAM/CAR), and South American (SAM) Regions through harmonization and coordination of efforts aimed at mitigating safety risks and promoting implementation of safety initiatives by all stakeholders

Membership

- 34 **NAM/CAR/SAM** States, 19 Territories and…

Governance - ESC (Executive Steering Committee)



Co-Chair Boeing (International organizations & Industry)

VP United States

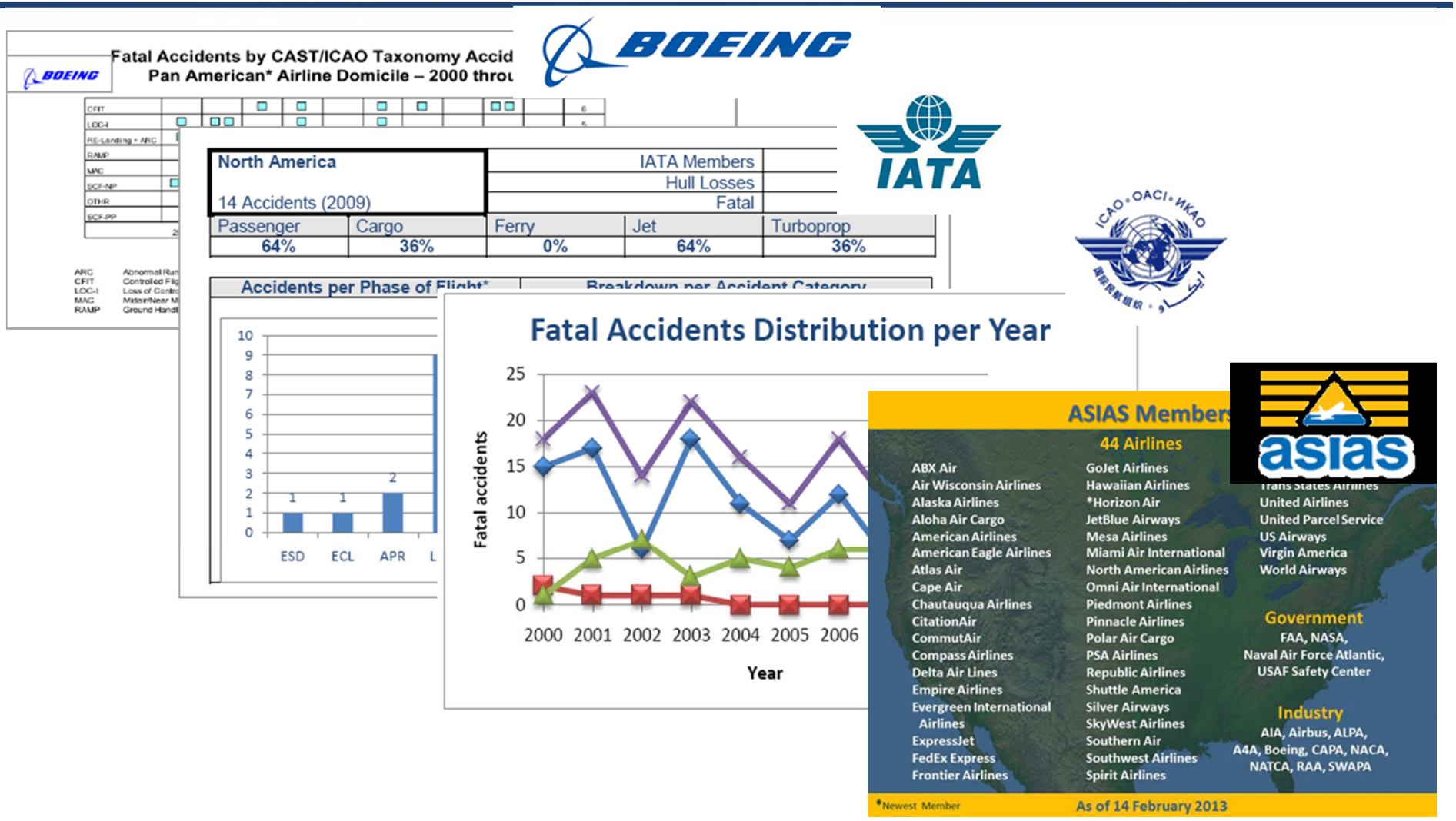
VP Jamaica and Co-Chair (States/Territories)

VP Costa Rica

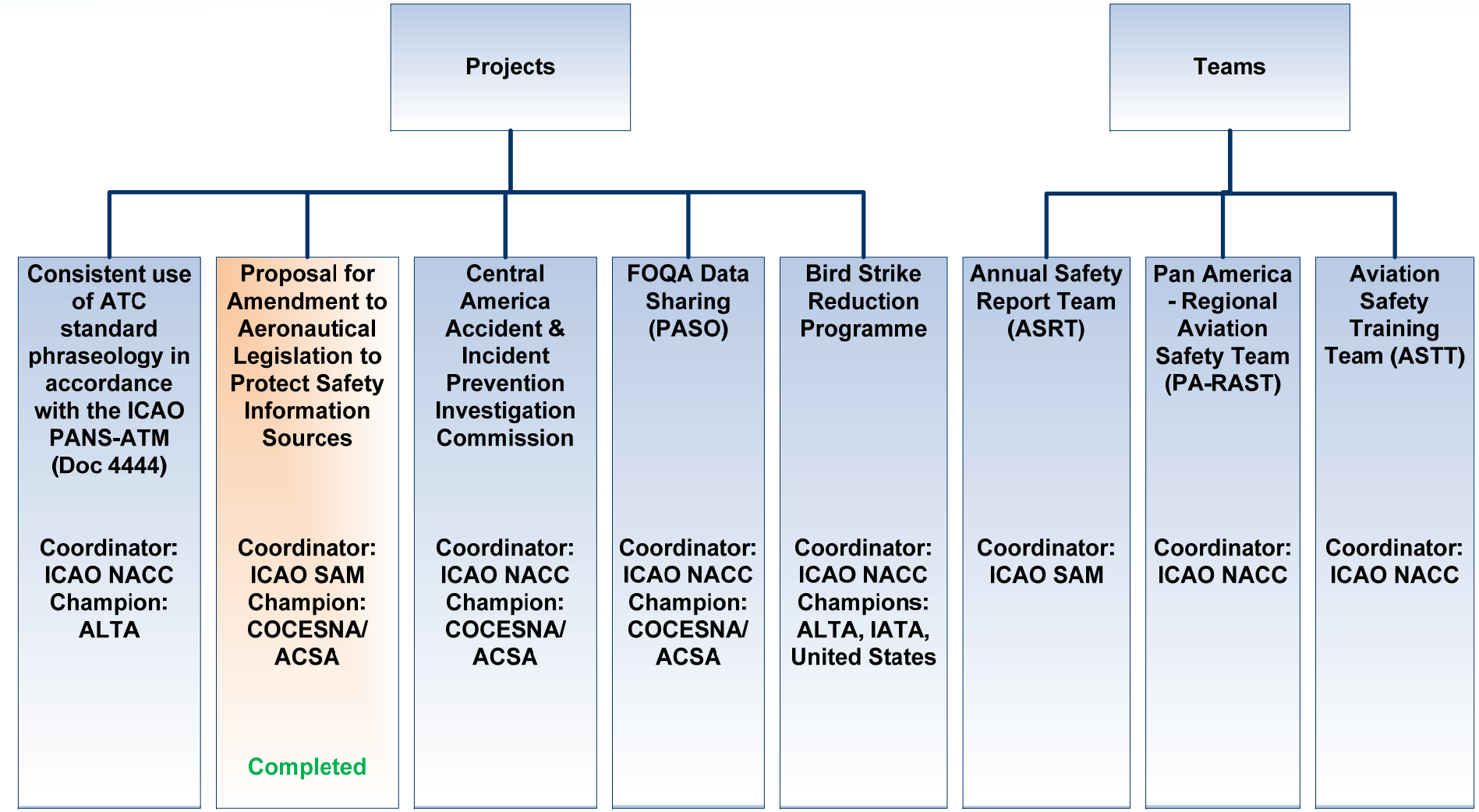
VP Brazil

VP Chile

Data Driven – Sources of Information

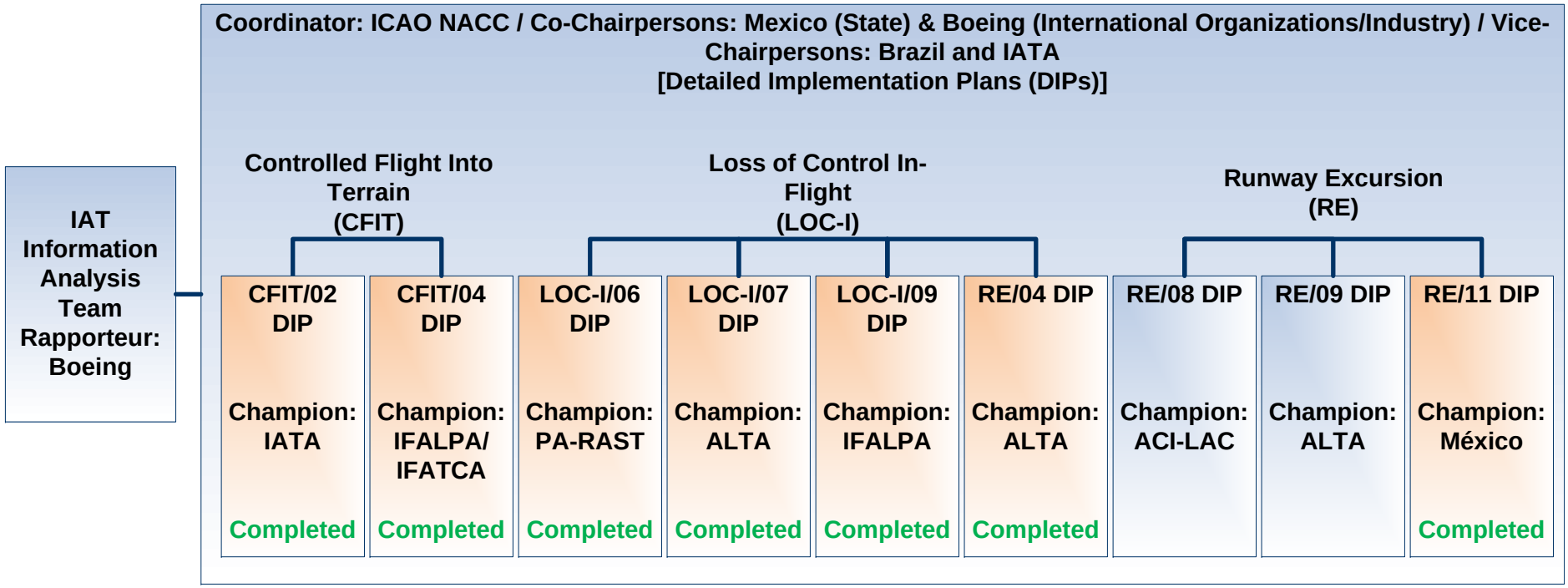


Organization – Projects & Teams

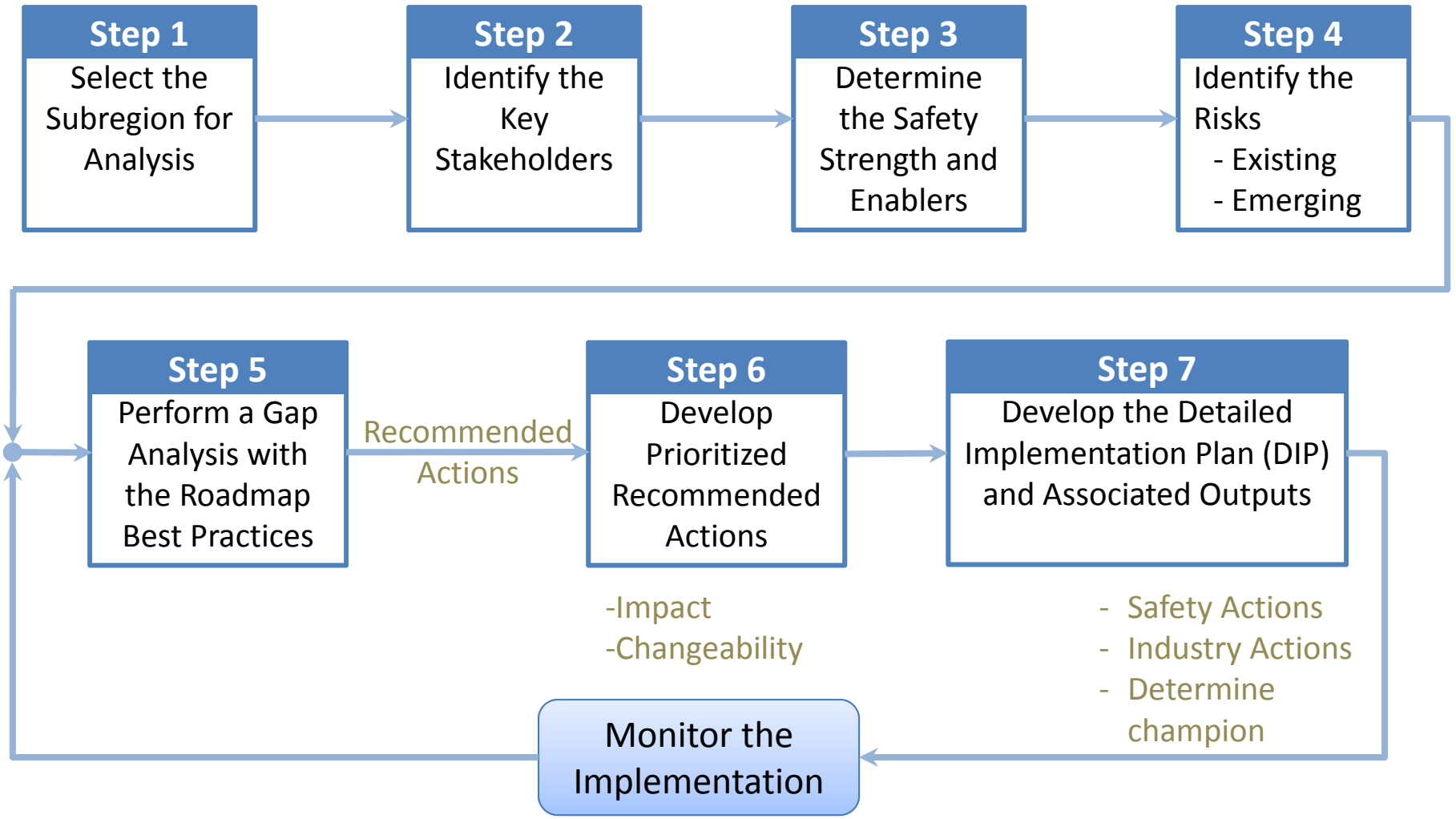


Organization – Teams

Pan America - Regional Aviation Safety Team (PA-RAST)



Development of a Safety Enhancement Initiative (SEI) by PA-RAST



RE DIPs & Outputs (RASG-PA/06)

DIP	Description	Champion	Output	Deadline	Status	Comments
RE/04	**Promote pilot adherence to Standard Operating Procedures (SOPs) for approach procedures including go-around decision making process**	ALTA	1) Distribution	18/01/11	Completed	
			2) Training		Completed	
RE/09	**Specific Training for pilots and air traffic controllers to avoid unstabilized approaches**	ALTA	1) ALTA will conduct a survey within its operators regarding the actions taken to mitigate unstable approaches.	20/02/11	Completed	
			2) Develop a strategy to deliver safety seminars for pilots and controllers in Pan America that targets recognition and avoidance of unstable approaches.	31/12/12	In process	Funding for developing the video granted by RASG-PA.
RE/8	**Guidance in maintaining runway in accordance with Annex 14**	ACI-LAC	1) Create a guide that collects best practices for runway maintenance	18/04/12	Completed	The document was renamed as: High level guide in maintaining runways in accordance with ICAO Annex 14.
			2) Promote and encourage the use of the guide		In process	
			3) Airports implement their maintenance plans according to the runway maintenance guide.		In process	
RE/11	**Develop guidance material and training programs to create action plans for runway safety teams**	DGAC Mexico	1) Gather and publish in the RASG-PA website available material that may be used in to mitigate hazards related to runway safety.		Completed	ICAO published the Runway Safety Team Handbook (draft) April 2013
			2) Electronic checklist development.		Completed	ICAO published the Runway Safety Team Handbook (draft) April 2013
			3) Develop a roll out plan.	25/08/12	Completed	ICAO HQ in coordination with ICAO NACC and SAM Regional Offices and the sponsorship and support of ACI-LAC, IFALPA, IFATCA, ECCAA, FAA, and other organizations delivered Regional Runway Safety Seminars in Miami, United States, Quito, Ecuador and St. John's, Antigua. Two original Outputs were merged, resulting in three.

LOC-I DIPs & Outputs (RASG-PA/06)

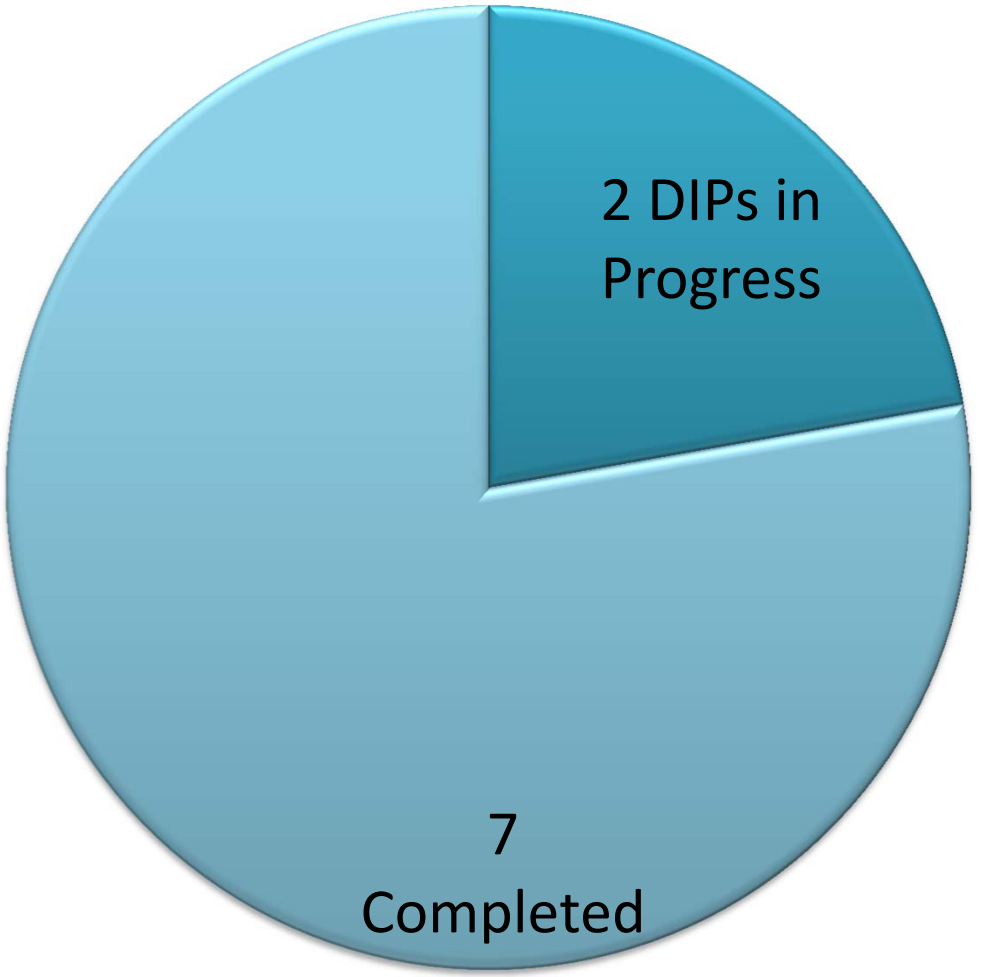
DIP	Description	Champion	Output	Deadline	Status	Comments
LOC-I/06	**LOC Training – Human factors and automation**	PA-RAST	1) Review and evaluate the advisory circular created by the ICAO COSCAP's in Asia	20/02/11	Completed	
			2) ICAO will distribute a copy of the developed generic advisory circular to each State in the region.	20/03/11	Completed	
			3) Each State in the region will use the generic advisory circular as a template to prepare a State Advisory Circular on mode awareness and energy state management aspects of flight deck automation.	20/09/11	Completed	
			4) Mode awareness and energy state management aspects of flight deck automation guidance is provided by operators to all their pilots.	20/09/12	Completed	
LOC-I/07	**LOC Training – Advanced maneuvers**	ALTA	1) Listing of training materials available from regulators, industry, operators, academia and other resources.	18/01/11	Completed	
			2) Advanced Maneuvers Training provided to all operators.	18/04/11	Completed	
			3) Advanced Maneuvers Training provided by all operators. The expectation is that this training will be accomplish during initial training and as part of the recurrent training program via ground and simulator instruction within the certified flight envelope, with enphasis on recognition, prevention and recovery technique.	18/08/13	Superseded	
LOC-I/09	**Loc Training - Pilot monitoring policies and procedure for the operator and training program for crews**	IFALPA	1) Listing of training materials available from industry, operators and other resources.	20/02/11	Completed	
			2) Raise awareness of availability and need of Pilot Monitoring Training.	20/03/11	Completed	
			3) Pilot Monitoring Training material provided to all operators.	20/03/11	Completed	
			4) Pilot Monitoring Training provided by operators to all their pilots.	20/09/12	Completed	

CFIT DIPs & Outputs (RASG-PA/06)

DIP	Description	Champion	Output	Deadline	Status	Comments
CFIT/02	**Specific ALAR/CFIT Training for Pilots**	IATA	1)CAA conducts a review of all operators to ascertain which operators have CFIT prevention training and procedures in their approval training manual.	20/02/11	Completed	
			2) If an operator does not have a CFIT training, it will be encourage to incorporate CFIT training into the airline training program.	20/12/11	Completed	
CFIT/04	**CRM/Situational Awareness for pilots and air traffic controllers**	IFALPA & IFATCA	1)Incorporate and/or update CRM/situational awareness training programs for all flight crew members of air transport operators emphasizing aircraft position with relation to terrain and reviewing past occurrences.	20/02/12	Completed	
			2) Incorporate CRM/situational awareness training programs for all air traffic controllers and air navigation service providers (ANSP) emphasizing aircraft position with relation to minimum allowable altitude.	20/08/12	Completed	

Detailed Implementation Plans (DIPs)

- The progress of the associated DIPs are:
- 9 DIPs developed
  - 2 in-progress
  - 7 completed



DIPs Associated Outputs

- **The progress of the associated DIP Outputs are:**
  - **27 Outputs developed**
    - **3 in-progress**
    - **24 completed**

Successes

Two ICAO Regions (NAM/CAR - 21 States/17 Territories & SAM – 13 States) with ICAO, States, International Organizations and Industry working together in successful partnership

Implementation of RASG-PA Safety Enhancement Initiatives (SEIs) and their associated Detailed Implementation Plans (DIPs) focused on mitigating RE, CFIT & LOC-I risk developed by the PA-RAST

Publication of RASG-PA Annual Safety Reports (2010, 2011, 2012 Editions)

Publication of the Proposal for Amendment to Aeronautical Legislation to Protect Safety Information Sources (English & Spanish)

Delivery of four Pan American Aviation Safety Summits

Successes cont.

Signed MOU with the U.S. Commercial Aviation Safety Team (CAST) to share ASIAS data

Implementation of Runway Safety Team (RST) in the CAR and SAM Regions

Delivering of RASG-PA Aviation Safety Seminars/Workshops

Six Annual Plenary Meetings conducted to date

FOQA Data Sharing (PASO) in Central America

Dedicated website

www.rasg-pa.org

Summary

- **RASG-PA success is achieved through government, international organizations and industry partnership under the leadership of ICAO!**

ENHANCING SAFETY IS EVERYBODY'S BUSINESS

Thank you!

www.rasg-pa.org

www.icao.int

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RASG-PA

International Civil Aviation Organization (ICAO) + States + International Organizations + Industry

ICAO

Uniting Aviation on

Safety | Security | Environment