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

RASG-PA Aviation Safety Seminar/Workshop St. Johns', Antigua, 10-12 September 2013

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Regional Officer, Flight Safety
ICAO NACC Regional Office

Air Transport Today

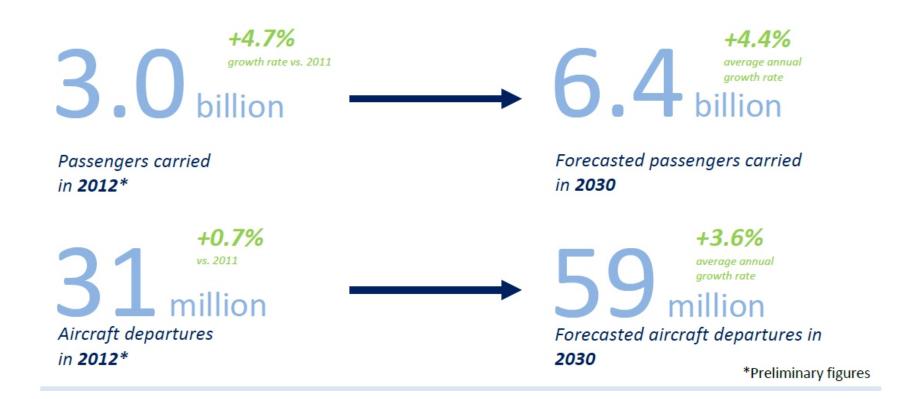


- Safe, secure and sustainable activity
- Safest mode of transportation
- Efficient mode of transportation
- Provides economic and social benefits



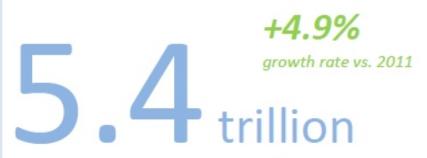
Air Transport Facts & Figures (ICAO)





Traffic Statistics for Revenue Schedule Services

Air Transport Facts & Figures (ICAO) contains



Revenue Passenger-Kilometres in **2012***

-1.1% growth rate vs. 2011 billion

Freight Tonne-Kilometres in **2012***

Traffic Statistics for Revenue Schedule Services

Facts and Figures (ICAO) cont.



Air Transport Facts

SOCIAL **BENEFITS**

60 million jobs - Worldwide



Directly and supporting sectors

ECONOMIC BENEFIT

2 trillion USD



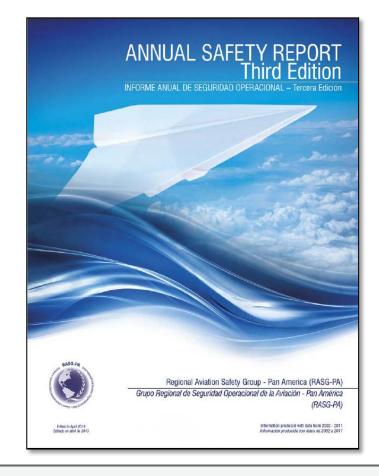
3.5% GDP global

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

ICAO Safety Report & RASG-PA Annual Safety Report



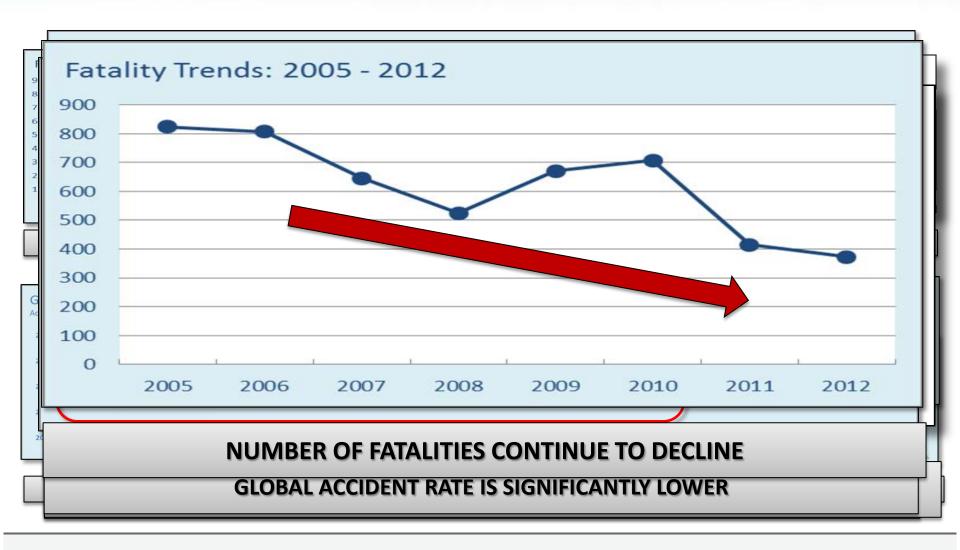




Status of Global Aviation Safety

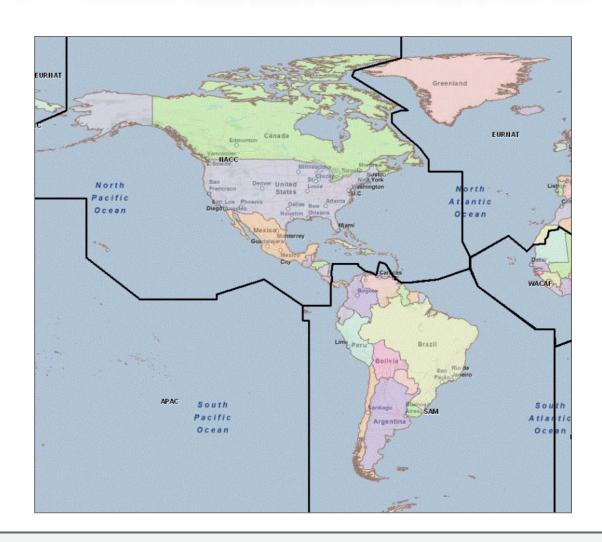


Based on scheduled commercial operations involving aircraft having a maximum take-off weight (MTOW) above 2250 kg.



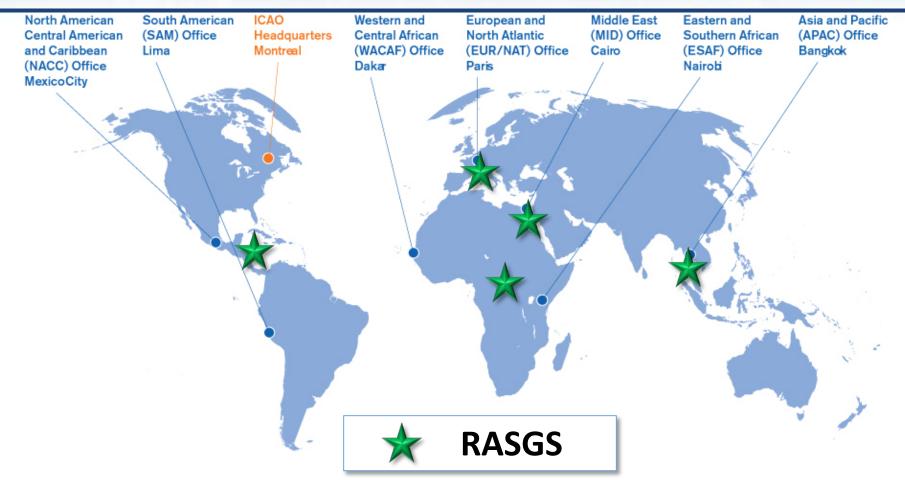
Pan America Region





RASGs in the World





Pan American Safety Initiative



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



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



RASG-PA 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



RASG-PA 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



RASG-PA Membership



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































RASG-PA Governance - ESC (Executive Steering Committee)





Addressing safety issues in Pan America Region

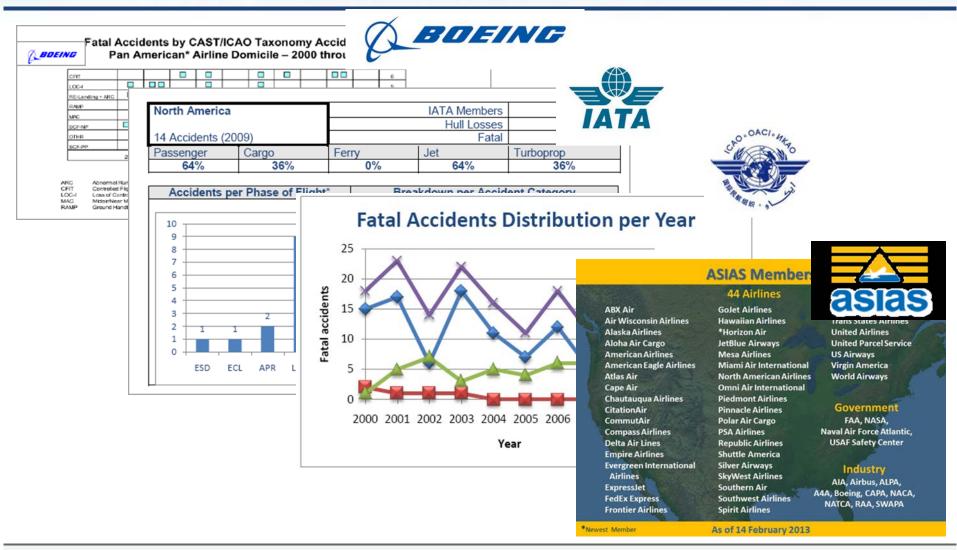






Data Driven Group Sources of Information





RASG-PA Process



ANNUAL SAFETY REPORT (ASRT)



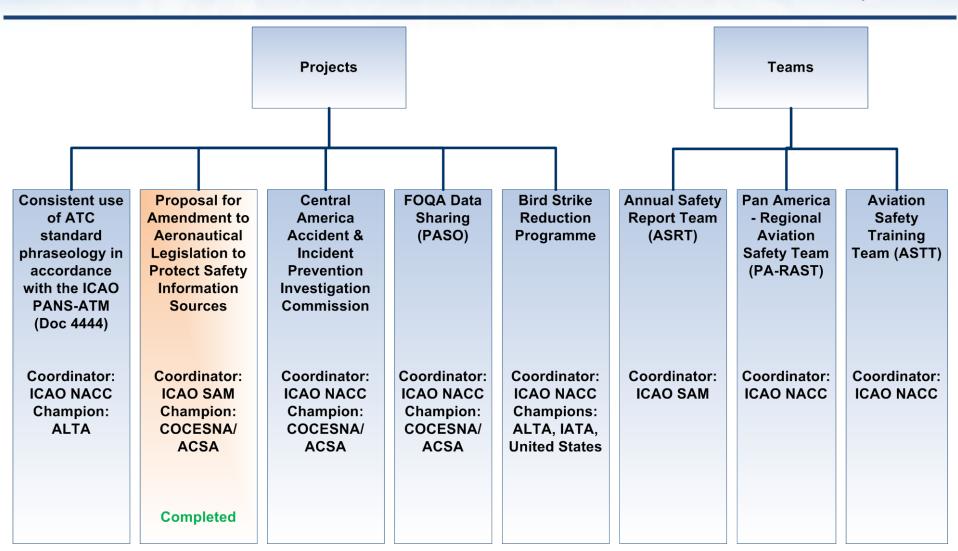
SAFETY ENHANCEMENT INITIATIVES (SEIS) (RASG-PA)





DETAILED IMPLEMENTATION PLANS (DIPs) (PA-RAST)

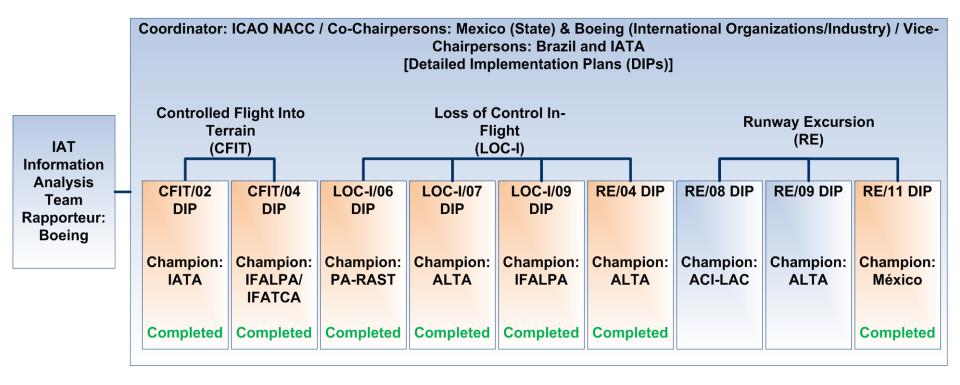
RASG-PA Organization – Projects & Team



RASG-PA Organization – Teams



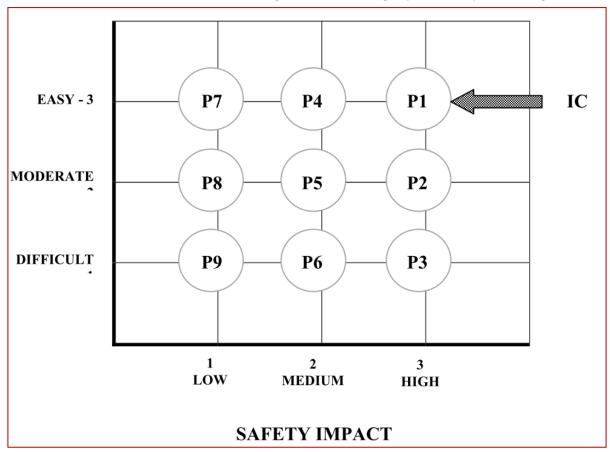
Pan America - Regional Aviation Safety Team (PA-RAST)



PA-RAST Safety Enhancement Initiatives Methology

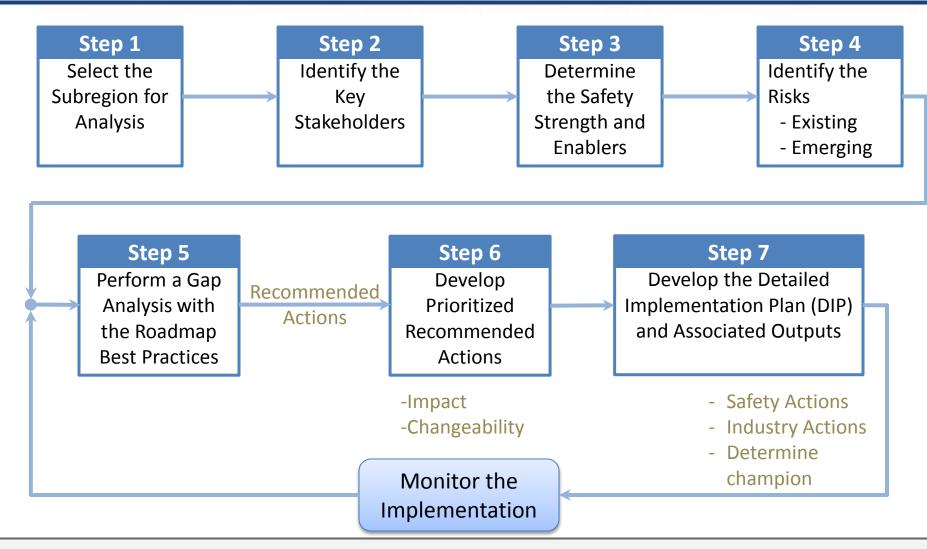


Impact-changeability (IC) Level Chart – Global Aviation Safety Roadmap (GASR) – Step 6



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





RE DIPs & Outputs (RASG-PA/06)



DIP	Description	Champion	Output	Deadline	Status	Comments
	Promote pilot adherence to Standard Operating Procedures		1) Distribution	18/01/11	Completed	
RE/04	(SOPs) for approach procedures including go-around decision making process		2) Training		Completed	
RE/09	Specific Training for pilots and air traffic controllers to avoid unstabilized approaches	ALTA	operators regarding the actions taken to mitigate unstable approaches.	20/02/11	Completed	
			 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	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	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.		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 Training – Advanced maneuvers	ALTA	1) Listing of training materials available from regulators, industry, operators, academia and other resources.		Completed	
			2) Advanced Maneuvers Training provided to all operators.	18/04/11	Completed	
LOC-I/07			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	
	operator and		1) Listing of training materials available from industry, operators and other resources.	20/02/11	Completed	
1001/00		IFALPA	2) Raise awareness of availability and need of Pilot Monitoring Training.	20/03/11	Completed	
LOC-I/09			3) Pilot Monitoring Training material provided to all operators.	20/03/11	Completed	
	training program for crews		4) Pilot Monitoring Training provided by operators to all their pilots.	20/09/12	Completed	

CFIT DIPs & Outputs (RASG-PA/06)

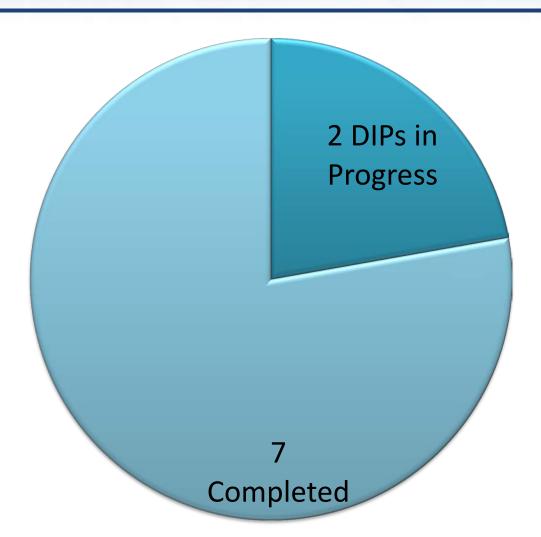


DIP	Description	Champion	Output	Deadline	Status	Comments
CFIT/02	Specific ALAR/CFIT Training for Pilots	IATA	1)CAA conducts a review of all operators to ascertain which operators have CFIT prevention training and procedures in their approval training manual.		Completed	
			2) If an operator does not 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	&	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)



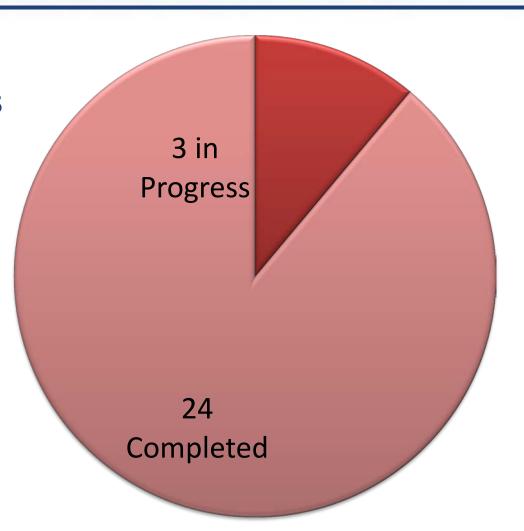
- The progress of the associated DIPs are:
- 9 DIPs developed
 - 2 in-progress
 - 7 completed



DIPs Associated Outputs



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



RASG-PA Dedicated Website





www.rasg-pa.org

RASG-PA Brochure



RASG-PA Membership

NAM / CAR / SAM States / Territories / International Organizations / Industry: ACI, Airbus, ALTA, Boeing, CANSO, CASSOS, COCESNA, ECCAA, Flight Safety Foundation (FSF), IATA, ICAO, IFALPA, IFATCA and LACAC.

RASG-PA Teams

- Annual Safety Report Team (ASRT)
- Aviation Safety Training Team (ASTT)
- Pan America Regional Aviation Safety Team (PA-RAST)

RASG-PA Projects

- Consistent Use of ATC Standard Spanish Phraseology in accordance with the ICAO PANS-ATM (Doc 4444)
- Model Legislation for the Protection of Safety Information
- Central America Accident & Incident Prevention Investigation Commission
- Flight Operations Quality Assurance (FOQA) Data Sharing
- Bird Strike Reduction Programme





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

Was established in 2008 to use the framework provided by the ICAO Global Aviation Safety Plan and the Global Aviation Safety Roadmap to support the establishment and operation of a performance-based aviation safety system in the Pan American region.

RASG-PA Safety Newsletters





Issue 2

Regional Aviation Safety Group - Pan America

RASG-PA Newsletter

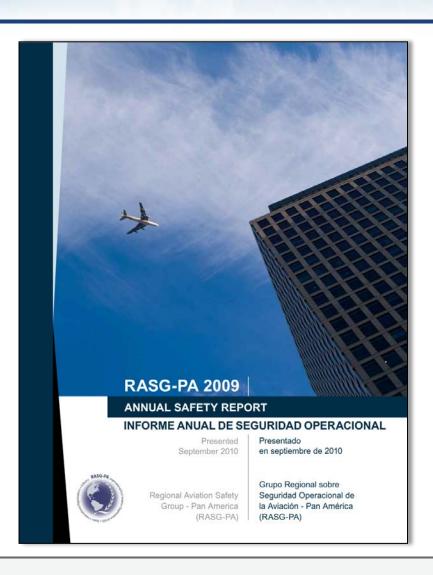
A publication of the International Civil Aviation Organization North American, Central American and Caribbean Regional Office (NACC) South American Regional Office (SAM) With support from RASG-PA Members

January 2011

Cooperation and Participation: Key to Successful Third Annual RASG-PA Meeting,
Punta Cana, Dominican Republic

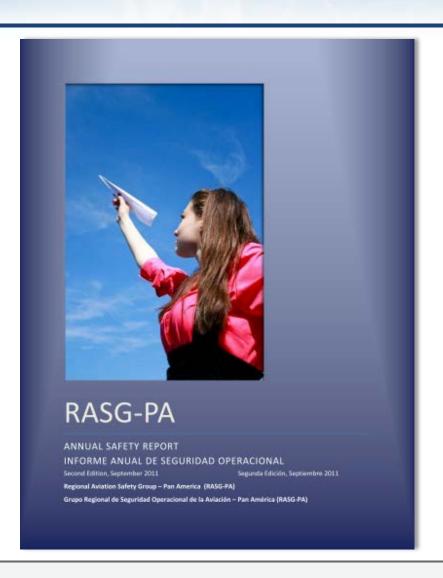
The Third Meeting of the Regional Aviation Safety Group - Pan America (RASG-PA/3) was held at the Moon Palace Hotel, Punta Cana, Dominican Republic, from 27 to 29 October 2010, hosted by the Civil Aviation Authority of Dominican Republic. The meeting was attended by 52 delegates from 14 States/Territories of the NAM/CAR/SAM Regions, 6 international organizations, 3 regional safety oversight organizations (RSOO), and 2 aircraft manufacturers.



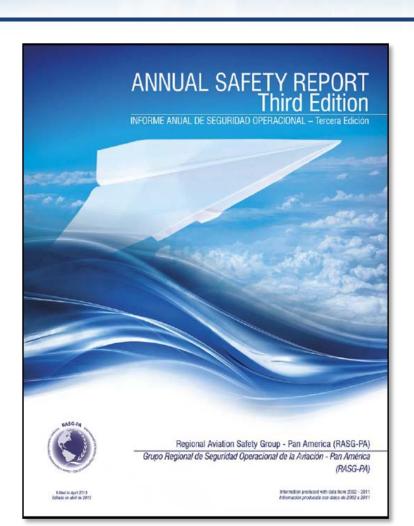


- Bilingual (English and Spanish)
- Unique in the Region
- Reference document





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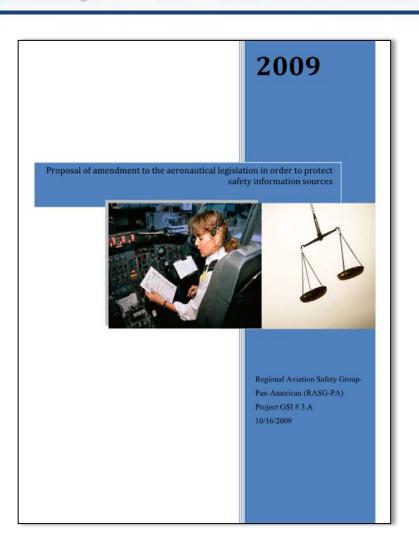




- Bilingual (English and Spanish)
- Unique in the Region
- Reference document

Model Legislation for the Protection of Safety Information





- First in the World
- Circulated with ICAO
 State Letter in 2009
- Second version 2010 appoved
- Bilingual (English and Spanish)

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

2001-2012 Pan America Regional Safety Summary



- Top fatal accident categories are:
 - Loss of Control In-flight (LOC-I)
 - Runway Excursions (RE)
 - Controlled Flight into Terrain (CFIT)
- System-component failure/malfunction (nonpowerplant) (SCF-NP) and unknown (UNK) occurrences are emerging types of accidents/incidents
- SCF-NP occurrences show an increasing trend since 2005 usually not leading to fatal accidents
- Mid Air Collision (MAC) trend is noted

RASG-PA Future



- Need for financial and in-kind support
- Participation of high-level representatives at meetings and supporting projects
- Exchanging information, experiences and tools among members
- Strategic aviation safety forum for Pan America
- Maintaining contact with similar organizations worldwide

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!

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www.rasg-pa.org

www.icao.int

























Uniting Aviation on

Safety | Security | Environment