



**Third Meeting of the Regional Aviation Safety Group -
Pan America
(RASG-PA/03)**
(Punta Cana, Dominican Republic, 27-29 October 2010)

Agenda Item 4: RASG-PA Flight Safety Training Team (FSTT) Report

FLIGHT SAFETY TRAINING TEAM (FSTT) ACTIVITIES

(Presented by the Secretariat)

SUMMARY	
The Flight Safety Training Team – FSTT was established to assess, identify and categorized available flight safety training. Identified training will be aligned to the three data-driven risk areas as identified by the RASG-PA Executive Steering Committee (ESC) in the Pan American Region.	
References:	
<ul style="list-style-type: none"> • <i>Resolution A 36-7 of the 36th Session of ICAO Assembly;</i> • <i>Declaration of the Conference of Directors General of Civil Aviation on a Global Safety Strategy (Montreal, 2006);</i> • <i>ICAO Global Aviation Safety Plan (GASP);</i> • <i>ISSG Global Aviation Safety Roadmap (GASR);</i> • <i>RASG-PA/01 Meeting Report; and</i> • <i>RASG-PA/02 – Meeting Report</i> 	
Strategic Objectives	<i>This working paper is related to Strategic Objective A</i>

1. Introduction

1.1 In accordance with DECISION RASG-PA/02/5 of the second Regional Aviation Safety Group – Pan America Meeting (RASG-PA/02), November 2009, a working group to assess, identify and categorize available flight safety training was established. The Flight Safety Training Team – FSTT, held one meeting (FSTT/01) in Mexico City, Mexico, 29-30 March 2010.

1.2 The meeting was attended by participants from States, international organizations and airports.

1.3 During this initial meeting, the FSTT identified a partial list of available flight safety training, which is available at the RASG-PA website: <http://www.mexico.icao.int/RASGPA.html>.

1.4 Identified training is aligned to the top three data-driven risk areas as identified by the RASG-PA Executive Steering Committee (ESC) in the Pan American Region. They are the following:

- a) Runway Excursion (RE)
- b) Controlled Flight into Terrain (CFIT)
- c) Loss of Control In-Flight (LOC-I)

2. Activities

2.1 During the FSTT/01 Meeting, the team systematically identified and reviewed resources of available flight safety training, which was catalogued by risk area and source (see **Appendix**).

2.2 In April 2010, the FSTT briefed the ESC/5 on the progress made during the FSTT/01. Training material gathered during the meeting was analyzed and evaluated for inclusion in a training database to be shared with the aviation community in order to fulfil the objective of enhancing safety in the Pan American Region.

2.3 During the ESC/5 Meeting the FSTT also briefed the ESC of the lack of free training material addressing the top three risk areas in the Pan American Region.

2.4 The ESC/5 commented on the need to link the Regional Aviation Safety Team – Pan America (RAST-PA) Decisions' on training with the FSTT's assigned tasks, and to focus decisions regarding training from the Detailed Implementation Plans (DIPs) to the available safety training database.

3. Conclusion

3.1 FSTT is fulfilling its objectives as assigned by RASG-PA. However, the activity of the group must continue considering:

- a) that new DIPs are being developed by the RAST-PA;
- b) organizations worldwide continue to develop flight safety training; and
- c) new data-driven risk areas most likely will be identified by the RASG-PA Annual Safety Report Team (ASRT).

3.2 Therefore, it is envisaged that at least one meeting of the FSTT will be organized in 2011 to tackle the needs for flight safety training as determined by RAST-PA in the DIPs.

4. Action by the Meeting

4.1 The Meeting is invited to consider adopting the following draft conclusion:

DRAFT

CONCLUSION RASG-PA/3/xx

**REGIONAL AVIATION SAFETY GROUP – PAN
AMERICA (RASG-PA) FLIGHT SAFETY TRAINING
TEAM (FSTT) ACTIVITIES**

That RASG-PA/3:

- a) support FSTT by assigning appropriate level representatives to attend meetings;
- b) support FSTT by providing contributions in flight safety training courses, material and toolkits; and
- c) support FSTT activity by hosting events.

APPENDIX

AVAILABLE FLIGHT SAFETY TRAINING						
Data-driven Risk Area	Safety Enhancement	Source	Material	Description	Link	Remarks
Runway Excursion (RE)	RAST-PA/RE/4: Promote pilot adherence to Standard Operating Procedures (SOPs) for approach procedures including the go-around decision making process	FSF/IATA	Runway Excursion Risk Reduction Tool Kit	It was developed (CD) for the benefit of the airline industry. Experts from airlines, regulators, aircraft manufacturers, airports, air traffic control and safety organizations around the globe helped develop this important tool. It provides an in depth analysis of runway excursion accident data, a compilation of significant risk factors, and provides recommendations for operators, pilots, airports, ATM, ATC and regulators	https://www.iataonline.com/Store/Products/Product+Detail.htm?cookie%5Ftest=1&NRMODE=Published&NRORIGINALURL=%2fStore%2fProducts%2fProduct%2bDetail%2ehtm%3fcs_id%3d8490%252D00%26cs_catalog%3dPublications&NRNODEGUID=%7b16F5587B-8B15-4B8B-8EB5-498DFA3C1136%7d&NRACHEHINT=NoModifyGuest&cs_id=9737%2D09&parent=ALL&cs_catalog=Publications	<ul style="list-style-type: none"> • Associated cost • English
		Colegio de Pilotos Aviadores de México	Aeronautical Decision Management (ADM)		Not applicable	<ul style="list-style-type: none"> • Spanish • In-house • IFALPA will check availability

AVAILABLE FLIGHT SAFETY TRAINING						
Data-driven Risk Area	Safety Enhancement	Source	Material	Description	Link	Remarks
	RAST-PA/RE/9: Promote specific training for pilots and air traffic controllers to avoid unstable approaches	FSF	ALAR Tool Kit version 3.1	It is a multimedia resource on compact disc (CD) for safety professionals and training organizations working to prevent the leading causes of fatalities in commercial aviation: approach-and-landing accidents (ALAs), including those involving controlled flight into terrain (CFIT).	http://flightsafety.org/current-safety-initiatives/approach-and-landing-accident-reduction-alar/alar-tool-kit-cd	<ul style="list-style-type: none"> English
		Colegio de Pilotos Aviadores de México	ALAR II		Not applicable	<ul style="list-style-type: none"> Spanish In-house IFALPA will check availability
	RAST-PA/RE/10: Promote specific training for aerodrome personnel regarding maintenance and operations of the runway	ACI	Courses	Airport personnel training courses	http://www.airports.org/cda/aci_common/display/main/aci_content07_banners.jsp?zn=aci&cp=1-4613-9213_725_2	<ul style="list-style-type: none"> Associated cost
Control Flight Into	RAST-PA/CFIT/02: Promote specific	FSF	ALAR Tool Kit version 3.1	It is a multimedia resource on compact	http://flightsafety.org/current-safety-initiatives/approach-	<ul style="list-style-type: none"> English

AVAILABLE FLIGHT SAFETY TRAINING						
Data-driven Risk Area	Safety Enhancement	Source	Material	Description	Link	Remarks
Terrain (CFIT)	Approach and Landing Accident Reduction (ALAR/CFIT) training for pilots			disc (CD) for safety professionals and training organizations working to prevent the leading causes of fatalities in commercial aviation: approach-and-landing accidents (ALAs), including those involving controlled flight into terrain (CFIT)	and-landing-accident-reduction-alar/alar-tool-kit-cd	
			CFIT: Awareness and Prevention	A 32-minute video training aid, designed primarily for regional and business aircraft operators, presents CFIT statistics, examines three representative CFIT accidents and presents cockpit-voice-recorder (CVR) and data simulation to illustrate accident-reduction strategies.	http://flightsafety.org/current-safety-initiatives/controlled-flight-into-terrain-cfit/cfit-reduction-products	<ul style="list-style-type: none"> English
			CFIT Education and Training Aid	A two-volume package developed under the auspices of the FSF CFIT Task	http://flightsafety.org/current-safety-initiatives/controlled-flight-into-terrain-cfit/cfit-reduction-products	<ul style="list-style-type: none"> English

AVAILABLE FLIGHT SAFETY TRAINING						
Data-driven Risk Area	Safety Enhancement	Source	Material	Description	Link	Remarks
				Force and produced by Boeing Commercial Airplanes Group, presents an in-depth examination of CFIT hazards, specific educational material, a model training program and effective CFIT-avoidance strategies.		
		FAA	CFIT Education and Training Aid	The training aid includes a document (two volumes) and a video. They are stored on a CD-ROM to provide a readily available source of information and to easily enable the user to develop a program to prevent CFIT accidents.	http://www.faa.gov/training/testing/training/media/cfit/volume1/titlepg.pdf	<ul style="list-style-type: none"> English
		Transport Canada	Situational Awareness - Preventing Controlled Flight Into Terrain	A video (CD) designed to alert to the conditions and risks specific to controlled flight into terrain in order to	http://shop.tc.gc.ca/TCHtml/ibeCCtpItmDspRte.jsp?JServSessionIdrootncras84=jypzm5a261.pAbMmlaSb2TOMMTBmMTxmhDYcx4Qa30K&item=40385	<ul style="list-style-type: none"> English

AVAILABLE FLIGHT SAFETY TRAINING						
Data-driven Risk Area	Safety Enhancement	Source	Material	Description	Link	Remarks
				improve the awareness of exactly where the pilot is and what is going on around the pilot during flight		
		ICAO	CFIT Education and Training	Preventing CFIT accidents is the major goal of this training aid. The CD-ROM consists primarily of a document in five sections developed by an international CFIT Task Force.	http://www.icao.int/icao/en/cd_pub_list.htm#CFIT	<ul style="list-style-type: none"> English
			CFIT: An encounter avoided	This video examines the cause of controlled flight into terrain (CFIT) and ways to mitigate the risk. It is intended to assist operators in creating or improving CFIT prevention training programmes.	http://www.icao.int/cgi/ISB_N_txt.pl?755	<ul style="list-style-type: none"> English
	RAST-PA/CFIT/04: Promote Crew Resource Management (CRM) / Situational Awareness training for pilots and air traffic controllers	CAA United Kingdom	CRM Training	The purpose of this publication is to provide a comprehensive guidance document on Crew Resource Management (CRM),	http://www.caa.co.uk/docs/33/CAP737.PDF	<ul style="list-style-type: none"> English

AVAILABLE FLIGHT SAFETY TRAINING						
Data-driven Risk Area	Safety Enhancement	Source	Material	Description	Link	Remarks
				from a UK perspective.		
		FAA	CRM 101	Video	Not applicable	• English
Loss of Control In-Flight (LOC-I)	RAST-PA/LOC-I/7: Promote LOC training – Advanced maneuvers	FAA	Airplane Upset Recovery Revision 1 August 2004	CD-ROM The training package consists of this document and a supporting video. It is dedicated to reducing the number of accidents caused by the loss of control of large, swept-wing airplanes that results from airplane upset.	http://www.faa.gov/other_visit/aviation_industry/airline_operators/training/media/AP_UpsetRecovery_Book.pdf	• English
		FSF	Airplane Upset Recovery Training Aid and High Altitude Operations: Supplement #1	They present high altitude aerodynamics and safe flight techniques for almost all jet airplanes that routinely operate in the high altitude environment above Flight Level 250	http://flightsafety.org/current-safety-initiatives/airplane-upset-recovery-training-aid	• English
	RAST-PA/LOC-I/9:	IFALPA	Pilot’s			• English

AVAILABLE FLIGHT SAFETY TRAINING						
Data-driven Risk Area	Safety Enhancement	Source	Material	Description	Link	Remarks
	Promote LOC training – Pilot monitoring policies and procedures for the operator and training program for flight crews		Monitoring Course			<ul style="list-style-type: none"> • IFALPA will check availability
		FAA	Upset Recovery Training Aid Revision 2 Recovery	This document is intended to supplement the Airplane Upset Recovery Training Aid Rev 1 that was released in August 2004. It addresses the issues associated with operations, unintentional slowdowns, and recoveries in the high altitude environment	http://www.faa.gov/other_visit/aviation_industry/airline_operators/training/media/AP_UpsetRecovery_Book.pdf	<ul style="list-style-type: none"> • English