

Organización de Aviación Civil Internacional

Cuarta Reunión del Grupo Regional sobre Seguridad Operacional de la Aviación – Panamérica (RASG-PA/04)

Montego Bay, Jamaica, 14-15 de marzo de 2012



Cuestión 3 del Orden del Día:

Actualización/Estado de los Proyectos y Grupos de Trabajo del RASG-PA

3.1 Pan-América - Equipo Regional de Seguridad Operacional de la Aviación (PA-RAST)

INFORME DEL PA-RAST

(Presentada por la Secretaría)

RESUMEN

Esta nota de estudio describe las actividades de PA-RAST desde la Reunión RASG-PA/04 celebrada en Miami, Estados Unidos, del 19 al 21 de octubre de 2011

PA-RAST se enfoca en el establecimiento de proyectos realizables con base en medidas de mitigación con prioridad y resultados entregables definidos (incluyendo métricas para evaluar la eficacia de las acciones para mitigar propuestas) y periodos claros.

Referencias:

- Resolución A 36-7 del 36er periodo de sesiones de la Asamblea de la OACI
- Declaración de la Conferencia de Directores Generales de Aviación Civil sobre una Estrategia Mundial para la Seguridad Aeronáutica (Montreal, Canadá, marzo de 2006)
- Plan Global (de la OACI) para la seguridad aeronáutica (GASP)
- Hoja de Ruta de la Seguridad Operacional al nivel mundial (GASR)
- Informe de la Reunión RASG-PA/04

Objetivo	Esta	nota	de	estudio	se	relaciona	con	el	Objetivo
Estratégico	estra	tégico	A -	Segurida	d oi	peracional			

1. Introducción

- 1.1 El PA-RAST identificó varias Iniciativas para Aumentar la Seguridad Operacional (SEI) y sus acciones para mitigar relacionadas para cada una de las tres áreas principales de riesgo en Pan América identificadas por RASG-PA: Excursiones de pista (RE), impacto contra el suelo sin pérdida de control (CFIT) y Pérdida de control en vuelo (LOC-I).
- 1.2 A cada acción de mitigación para mejorar la seguridad operacional se le asignó una prioridad y se elaboró su correspondiente Plan de Implementación Detallado (DIP) identificado con un número de referencia y categorizado por Iniciativa Mundial de Seguridad Operacional (GSI), impacto en la seguridad operacional, posibilidad de cambio, indicador, periodo para finalizarla, identificación de un líder respectivo y referencias disponibles relacionadas con el DIP.

2. Actividades de los Planes de Implementación Detallado (DIP)

- 2.1 El PA-RAST ha hecho un seguimiento al avance de los 8 DIP aprobados y proporcionado apoyo a los líderes de las SEI.
- 2.2 PA-RAST acordó que sólo se deberían elaborar nuevos DIP si se identifica a un nuevo líder, de manera que los líderes actuales no se vean saturados por sus responsabilidades actuales.
- 2.3 En los **Apéndices A** y **B** (disponibles únicamente en inglés) a esta nota de estudio se incluyen un informe de avance y seguimiento de todos los DIP en curso.

3. Otras actividades relacionadas con DIP

- 3.1 Al proporcionar apoyo para los DIP, el RAST-PA resolvió las siguientes cuestiones:
 - a) DIP en español: The ESC comisionó a PA-RAST a traducir los DIP aprobados al español. Todos los DIP aprobados originalmente ahora se han traducido al español y pueden ser consultados en la base de datos de DIP.
 - b) Las recomendaciones de seguridad operacional de RASG-PA (RSR) en español: el PA-RAST preparó una propuesta para establecer un proceso en colaboración con el Sistema Regional para la Vigilancia de la Seguridad Operacional (SRVSOP) en Latinoamérica para adaptar RSR al español. Se presentó un procedimiento a la Reunión ESC/09 en la Ciudad de México para discutir con el comité Técnico SRVSOP.
 - c) Cartas de apoyo: como fue solicitado por el Líder del DIP PA-RAST/RE/09, el RAST-PA coordinó la elaboración de dos cartas con el ESC; una dirigida a SENEAM (el ANSP de México) y la otra a Aeroméxico solicitando el uso de su ATC y simuladores de aeronaves para elaborar una estrategia para impartir seminarios de seguridad operacional a pilotos y controladores en in Pan América cuya meta es el reconocimiento y el evitar aproximaciones inestables como parte del Resultado 2 del the DIP.

4. Conclusión

- 4.1 El PA-RAST continuará trabajando con los Líderes DIP para proporcionar apoyo y monitorear el avance de la implantación del DIP.
- 4.2 Las reuniones del PA-RAST están programadas en conjunto con las reuniones del ESC programadas regularmente para hacer un uso eficiente de los viajes y recursos disponibles a RASG-PA.

5. Acción por parte de la Reunión

5.1 Se invita al RASG-PA/ESC a:

- a) revisar las actividades de el PA-RAST, tomando en cuenta el alcance de sus objetivos y sus requisitos y limitaciones de recursos; y
- b) revisar y evaluar el avance y efectividad de los DIP como fueron presentados por sus líderes respectivos tomando en cuenta los requisitos y limitaciones de recursos.

RAST-PA DIP Progress

8 March 2012 10:43:37 PM

RAST-PA/RE/04

Output	Due Date	Champion	Description	Actions	Time line	
2	20-Nov-11	ALTA	Training	Operators to include material in training programs.	ESC/6	+15

Progress:

17-Oct-2011: RAST-PA/07

17-Oct-2011: The RAST-PA suggested to amend the due date for this Output to 20 November.

17-Oct-2011: ALTA is currently working on the process of completing the training Material for this DIP. This would be prepared for October 31st. In the meantime, ALTA

has promoted to the SOP's procedures such as go around is safe.-2011: ALTA is currently working on the process of completing the training Material for this DIP. This would be prepared for October 31st. In the meantime, ALTA has promoted to the SOP's procedures such as go around is safe.

18-Jan-2011: Material presentation Telecon

18-Jan-2011: It was agreed that when the same information goes out to non ALTA members, it would include the IATA information related to RAST-PA/CFIT/02.

18-Jan-2011: ALTA presented to the RAST-PA the Survey and letter which was to be sent to ALTA Members.

11-Jan-2011: Telecon 11-1

11-Jan-2011: This Material will be distributed together with the Material for RAST-PA/LOC-I/7

11-Jan-2011 : Change of due date because of Holidays

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RAST-PA/CFIT/04

Output	Due Date	Champion	Description	Actions	Time lin	ie
1	20-Feb-12		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.	Reduce the CFIT accident rate by incorporating CFIT prevention in CRM training programs. Situational awareness will be emphasized as an integral part of the CRM training required of flight crewmembers of all air transport operators.	ESC/6	+18
2	20-Aug-12		Incorporate CRM/situational awareness training programs for all air traffic controllers of air navigation service providers (ANSP) emphasizing aircraft position with relation to minimum allowable altitudes.	Reduce the CFIT accident rate by incorporating CFIT prevention in CRM training programs. Situational awareness will be emphasized as an integral part of the CRM training required of air traffic controllers of all ANSPs.	ESC/6	+24

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Progress:

23-Aug-2011: RASG-PA/6

23-Aug-2011: No contact with the other Champion (IFATCA) so we might need to go through it alone, that means we'll need help and will get back to the RAST in the

future with a proposal to comply with the whole DIP

14-Jun-2011: RASG-PA/5

14-Jun-2011: The ESC is going to be made aware of the loss of contact with IFATCA and support will be requested to re-establish contact.

14-Jun-2011: RAST-PA suggested that IFALPA begin to develop Output 1

14-Jun-2011: IFALPA informed the meeting that implementation plans had not begun for this DIP because of the loss of contact with the IFATCA Rep.

RAST-PA/CFIT/02

Output	Due Date	Champion	Description	Actions	Time line
2	en		If an operator does not have CFIT training, he will be encouraged to incorporate CFIT training into the airline training program.	Operators will incorporate CFIT prevention training and procedures into their training programs.	ESC/6 +16

Progress:

17-Oct-2011: RAST-PA/07

17-Oct-2011: The RAST-PA suggested to move the due date of Output 2 to Dec. 2011

17-Oct-2011: 1. Output 1 of this DIP was shared with the IATA LATAM RCG (Regional Coordination Group) airlines that meet in MIA on MAY 31st 2011. Its

results were

well received, and it was agreed that IATA will contact the airlines that were found on the survey to not comply with FSF/ICAO/IATA recommendations of performing CFIT

recurrent training at least every year to help them comply.

17-Oct-2011 : 2. This will make sure all IATA and ALTA airlines comply with this recommendation as required but CFIT 02 Output 02.

17-Oct-2011: 3. Out of 42 Airlines in the Region, only one is not complying 100% with this recommendation. We expect them to be 100% complying by

December 2011.

14-Jun-2011: RASG-PA/5

14-Jun-2011: Telecons will be coordianted to produce the suggested RSR.

14-Jun-2011: Therefore we recommend an RSR is issue to all RASG-PA states recommending the adoption of this recommendation as part of their regulation.

14-Jun-2011: This will make sure all IATA and ALTA airlines comply with this recommendation as required but CFIT 02 Output 02. But there are many small carriers that have we have not been able to reach during the implementation of this DIP.

14-Jun-2011: Output 1 of this DIP was shared with the IATA LATAM RCG (Regional Coordination Group) airlines that meet in MIA on MAY 31st 2011. Its results were well

received, and it was agreed that IATA will contact the airlines that were found on the survey to not comply with FSF/ICAO/IATA recommendations of performing CFIT recurrent training at least every year to help them comply.

28-Feb-2011: Telecon 11-2

28-Feb-2011: Output 1 has been concluded.

28-Feb-2011: The results show that most operators have CFIT training but some still do not.

28-Feb-2011: The summary of results are added to the data base.

28-Feb-2011: A survey was circulated amongst IATA member airlines requesting information on the CFIT training if any that pilots receive.

18-Jan-2011: Material presentation Telecon

18-Jan-2011: It was agreed that when the same information goes out to non ALTA members, it would include the IATA information related to RAST-PA/CFIT/02.

RAST-PA/LOC-I/07

Output Due Date Champion Description Actions Time line 18-Aug-13 ALTA Advanced Maneuvers Training provided by all operators. ALTA and IATA should promote a high level of commitment to advanced maneuvers LOC-I/7 - O2 +28 The expectation is that this training will be accomplished training (AMT) by operator flight operations and training departments. Advanced during initial training and as part of the recurrent training, maneuvers training will be conducted emphasizing energy state management and program via ground and simulator instruction within the early recognition and recovery from flight outside the certified aircraft-operating certified flight envelope, with emphasis on recognition, envelope. Flight conditions outside of the certified flight envelope include in flight prevention and recovery techniques. upsets, stalls, ground proximity and wind shear escape maneuvers, and inappropriate energy state management conditions. The training will be accomplished via ground

and simulator instruction within the certified flight envelope, with emphasis on recognition, prevention and recovery techniques. The simulator instruction will be

within the limitation of the training device being utilized.

Progress:

23-Aug-2011: RAST-PA/6

23-Aug-2011: We have received the positive response from Copa Colombia of the use that the Advanced Maneuvers Training (AMT) has had since they have implemented

in their operation. So far this has been really positive and we expect to have the results of the rest of the airlines.

18-Jan-2011: Material presentation Telecon

18-Jan-2011: It was agreed that when the same information goes out to non ALTA members, it would include the IATA information related to RAST-PA/CFIT/02.

18-Jan-2011: ALTA presented to the RAST-PA the Survey and letter which was to be sent to ALTA Members.

11-Jan-2011 : Telecon 11-1

11-Jan-2011: Ready to be sent this week (Awaiting approved by Alex de Gunten).

Expect feedback from Operators in three weeks.

11-Jan-2011: Survey ALTA Members Operators, for Runway Excursions and Loss of Control.

Coordinate with IATA to send one package.

Pointers to Guidance Material (ICAO Web Site)

RAST-PA/LOC-I/06

Output	Due Date	Champion	Description	Actions	Time line
3	20-Dec-11	RASG-PA (RAST- PA)	•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.	States in the Region to issue their own advisory circular on mode awareness and energy state management aspects of flight deck automation.	LOC-I/6 - O2 +9
4	<u>20-Mar-13</u>	RASG-PA (RAST- PA)	Mode awareness and energy state management aspects of flight deck automation guidance is provided by operators to all of their pilots.	Each operator should carefully developed procedures and guidelines that support the proper use of mode awareness and energy state management aspects of flight deck automation in their training programs. Each transport airplane pilot should be trained to the flight deck automation procedures and guidelines developed by their organization.	e LOC-I/6 - O3 +18

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Progress:

17-Oct-2011: RAST-PA/07

17-Oct-2011: RAST-PA/07 was informed that the RSR Spanish adaptaion coordination process with the SRVSOP was approved by the ESC and SRVSOP.

The meeting suggested to amend the due date of this RSR to provide enough time for both versions to be ready at the same time.

16-Mar-2011: RAST-PA/4

16-Mar-2011: Supporting documentation needs to be uploaded to the web page

16-Mar-2011: Circular needs to be translated.

16-Mar-2011: RSR template created

16-Mar-2011: COSCAP Circular reviewed and adapted for RSGA-PA

28-Feb-2011: Telecon 11-2

28-Feb-2011: Output 1 has been concluded.

28-Feb-2011: The review of all available material is on the agenda for RAST-PA/4.

28-Feb-2011: The RAST-PA Telecon considered that the material would better be reviewed in a face to face meeting.

28-Feb-2011: The advisory material created by the ICAO COSCAP's in Asia as well as other material was identified.

RAST-PA/LOC-I/09

Output	Due Date	Champion	Description	Actions	Time line
4	<u>20-Sep-12</u>	IFALPA	Pilot Monitoring Training provided by operators to all of their pilots.	Each operator should carefully developed procedures and guidelines that support pilot monitoring in their training programs. Each transport airplane pilot should be trained to the Pilot Monitoring procedures and guidelines developed by their organization.	LOC-I/9 - O3 +18 e

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Progress:

23-Aug-2011: RAST-PA/6

23-Aug-2011: ESC has to mandate or develop a Procedure to comply with this output, perhaps an RSR.

16-Mar-2011: RAST-PA/4

16-Mar-2011: The material was approved by RAST-PA to be uploaded on the RASG Web page and begin a dissemination campaign

28-Feb-2011: Telecon 11-2

28-Feb-2011: Output 2 has been concluded.

28-Feb-2011: The formatted material will be presented at RAST-PA/4 in Lima.

28-Feb-2011: As an outcome of the FSTT review the material format is being amended.

28-Feb-2011: The material was presented to the FSTT.

18-Jan-2011: Material presentation Telecon

18-Jan-2011: It was suggested that the material be presented to the FSTT Group at the next meeting 22-23 Feb 2011

18-Jan-2011: IFALPA presented the material and presentation they have gathered.

11-Jan-2011 : Telecon 11-1

11-Jan-2011: Adjust Due date of Output 1 to Next telecon

11-Jan-2011: Material will be ready and presented at the next telecon.

RAST-PA/RE/09

Output	Due Date	Champion	Description	Actions	Time lir	ıe
2			Develop a strategy to deliver safety seminars for pilots and controllers in Pan America that targets recognition and	Develop a strategy and timeline to deliver safety seminars for pilots and controllers.	RE/9 - O1	+24
			avoidance of unstable approaches.	At a minimum the following topics should be covered:		
				Stabilized Approaches		
				Go Around Gates and Missed Approach Criteria		
				Approach Procedures and Briefings		
				Non Normal Aircraft Conditions		
				Transfer of Aircraft Control		
				CRM/TRM and human factors		
				Weather conditions and information dissemination including tail wind landings		
				During the safety seminars participant will be asked to provide additional mitigation measures that will be compiled and used as the basis of future safety enhancements for runway exercusions.		

Progress:

23-Aug-2011: RAST-PA/6

23-Aug-2011: A letter requesting the use of the AMX simulator is requested.

23-Aug-2011: IFALPA and ALTA had a meeting with SENEAM in Mexico City, we agreed to ask Aeromexico for a donation of B737NG Simulator time and SENEAM for their

ATC Sim.

The idea would be to have Pilots/Controllers go through Line Oriented Scenarios of Stabilized/Unstabilized Approaches in order to create awareness in both Groups and develp Output 2.

16-Mar-2011: RAST-PA/4

16-Mar-2011: Establish a meeting at Mexico with Pilots and controllers (Review Lection Learned of the ALTA's survey)

16-Mar-2011: Analysis the Runway Excursion Reduction Tool Kit Version. 02 | Output Global Safety Symposium

16-Mar-2011: Aviation Safety Summit on June, 2011 | Monday or Tuesday | Meeting to deliver results regarding the Analysis Runway Excursion and Mexico's meeting

16-Mar-2011: Runway Safety Workshop on October

16-Mar-2011: In 2012, duplicate the Mexico's meeting (Pilot project) with the pilots and controllers in others states of the region

28-Feb-2011 : Telecon 11-2

28-Feb-2011: Output 1 has been concluded.

28-Feb-2011: The Champion informed that a survey was conducted and a report with the results was being prepared for RASG-PA/4.

RAST-PA DIP Follow-up (Date)

8 March 2012

DID No	0				
DIP NO.	Output	: Description	Actions	Time line	е
RE/04	2	Training	Operators to include material in training programs.	ESC/6	+15
CFIT/02	2	If an operator does not have CFIT training, he w	ill Operators will incorporate CFIT prevention training and procedures	into their	
		be encouraged to incorporate CFIT training into the airline training program.	training programs.		
LOC-I/06 LOC-I/6 - O2	3 +9	•	Each State in the region will use the generic States in the Region to issue their ow	n advisory	
		, , ,	0, 0		
CFIT/04	1	awareness training programs for all flight crew		ESC/6 ort	+18
RE/11	1	Gather and publish in the RASG-PA website available material that may be used to mitigate hazards related to runway safety.	Publish or make links available to websites such as FSF, CAST, FAA, EURCONTROL and IFALPA which RST may use to proposed mitigation act for identified hazards related to runway safety.	ESC/10 ions	+6
RE/11	3	Establishment of a regional Runway Safety Database	Create a Regional database that will house the data from the checklists (Output 2) with at least the following considerations: - Option to de-identify the source of the information - Where possible responses should be selectable (rather than free text) - Contain appropriate level(s) of data entry - Consider the legal aspects of data sharing - Capture the resulting mitigation actions and their end result - Before releasing final versions of the checklists/database interface, field test in a pilot project - Spanish version	ESC/10	+6
RE/11	2	Electronic checklist development	Develop an electronic checklist based on best practices and threat and error management that RST may use to identify hazards and propose mitigation actions. The checklists should address the following areas: - ATM/CNS - Air operators - Airport - Before releasing final versions of the checklists, field test in a pilot project - Translate Checklists into Spanish	ESC/10	+6
RE/08	1	Create a guide that collects best practices for runway maintenance.	Establish a team who will compile and develop, if necessary, runway maintenance guidance for airports in the Pan American region. The team should be composed of at least; an ICAO Annex 14 expert, a representative from aerodromes and Aerodrome cognizant CAA representative. Once available the guidance should be translated into Spanish.	ESC/11	+6
	RE/04 CFIT/02 LOC-I/06 LOC-I/6 - O2 CFIT/04 RE/11 RE/11	RE/04 2 CFIT/02 2 LOC-I/06 3 LOC-I/6 - O2 +9 CFIT/04 1 RE/11 1 RE/11 2	RE/04 2 Training CFIT/02 2 If an operator does not have CFIT training, he w be encouraged to incorporate CFIT training into the airline training program. LOC-I/06 3 • LOC-I/06 - O2 +9 advisory circular as a template to prepare a Stat advisory circular on mode awareness and energ state management aspects of flight deck automation. CFIT/04 1 Incorporate and/or update CRM/situational awareness training programs for all flight crew members of air transport operators emphasizin aircraft position with relation to terrain and reviewing past occurrences. RE/11 1 Gather and publish in the RASG-PA website available material that may be used to mitigate hazards related to runway safety. RE/11 3 Establishment of a regional Runway Safety Database RE/11 2 Electronic checklist development	RE/04 2 Training	RE/04 2 Training Operators to include material in training programs. ESC/6 CFIT/02 2 If an operator does not have CFIT training, he will Operators will incorporate CFIT prevention training and procedures into their be encouraged to incorporate CFIT training into the airline training program. LOC-I/06 3 • Each State in the region will use the generic States in the Region to issue their own advisory advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State advisory circular as a template to prepare a State and energy state management aspects of flight deck automation. RE/11 1 1 Incorporate and/or update CRM/situational awareness will be emphasized as an integral part of the CRM training required of flight crewmembers of all air transport operators. RE/11 2 Gather and publish in the RASG-PA website available material that may be used to mitigate have available to websites such as FSF, CAST, FAA. ESC/10 (Duty 2) with a teast the following considerations: Option to de-identify the source of the information Where possible responses should be selectable (rather than free text) Consider the legal aspects of data entry Consider the legal aspects of data entry Consider the legal aspects of data entry Consider the legal aspects of the checklists/database interface, field test in a pilot project Spanish versions of the

Due Date	Champion	DIP No.	Output	Description	Actions	Time line
20-Aug-12 ESC/6	IFALPA/IFATCA +24	CFIT/04	2	Incorporate CRM/situational awareness trainin	g Reduce the CFIT accident rate by incorporating CFIT prevention	on in CRM
				programs for all air traffic controllers of air navigation service providers (ANSP) emphasizing aircraft position with relation to minimum allowable altitudes.	training programs. Situational awareness will be emphasized as an integral part of the CRM training required of air traffic controllers of all ANSPs.	
25-Aug-12	Mexico	RE/11	4	Develop a roll out plan	Organize workshops in Pan America to disseminate the information and train on: - Establishment of RST - The use of the DB - The use of the checklist - Finding Material related to runway safety.	RE/11-O3 +6
20-Sep-12 procedures an	IFALPA d guidelines that	LOC-I/09 LOC-I/9 - O3	4 +18	•	Pilot Monitoring Training provided by operators Each operator should carefully of	developed
•	Ü	·		to all of their pilots.	support pilot monitoring in their training programs. Each transport airplane pilot should be trained to the Pilot Monitoring procedures and guidelines developed by their organization.	
20-Feb-13 RE/9 - O1	ALTA +24	RE/09	2	Develop a strategy to deliver safety seminars for	Develop a strategy and timeline to deliver safety seminars for	pilots and
,				pilots and controllers in Pan America that targe recognition and avoidance of unstable approac		
					At a minimum the following topics should be covered:	
					Stabilized Approaches Galaxyard Catagord Approach Criteria	
					 Go Around Gates and Missed Approach Criteria Approach Procedures and Briefings 	
					Non Normal Aircraft Conditions	
					Transfer of Aircraft Control	
					CRM/TRM and human factors	
					Weather conditions and information dissemination including tail wind landings.	
					landings During the safety seminars participant will be asked to provide additional	
					mitigation measures that will be compiled and used as the basis of future	
					safety enhancements for runway exercusions.	
25-Feb-13 RE/11-O4	Mexico +6	RE/11	5	Review and Update of the Runway Safety Tea	ms Develop a process to review on a two times a year basis the numb	er of RSTs
					established and ensure that all relevant runway safety material is maintained updated.	
20-Mar-13 LOC-I/6 - O3	RASG-PA (RAST-PA) +18	LOC-I/06	4	Mode awareness and energy state managemen	Each operator should carefully developed procedures and guide	elines that
				aspects of flight deck automation guidance is provided by operators to all of their pilots.	support the proper use of mode awareness and energy state management aspects of flight deck automation in their training programs. Each transport airplane pilot should be trained to the flight deck automation procedures and guidelines developed by their organization.	
<u>18-Apr-13</u>	ACI-LAC	RE/08	2	Promote and encourage the use of the guide.	Produce information material that may be disseminated at events throughout the Region. Call on RASG-PA Members to disseminate the information.	RE/8 - O1 +12

Due Date	Champion	DIP No.	Output	Description	Actions	Time line
18-Aug-13	ALTA	LOC-I/07		operators. The expect will be accomplished operat of the recurrent ground and simulator certified flight envelop	instruction within the outside the certified aircraft-operating envelope. Flight condition	ining Inducted emphasizing Ind
18-Oct-13	ACI-LAC	RE/08	3	Airports implement th according to the runw	, , , , , , , , , , , , , , , , , , , ,	e the runway ns. Track

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