INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)

**REGIONAL AVIATION SAFETY GROUP – PAN AMERICA
(RASG-PA)**

FIFTEENTH PAN AMERICA –
REGIONAL AVIATION SAFETY TEAM MEETING

PA-RAST/15

SUMMARY OF DISCUSSIONS

FT. LAUDERDALE, UNITED STATES, 23 TO 24 JANUARY 2014

PA-RAST/15 Meeting

Summary of Discussions

Date	23 – 24 January 2014
Location	EMBRAER Ft. Lauderdale, United States
Objective	PA-RAST/15 Meeting
Meeting Opening	The Meeting was attended by 22 participants from Bahamas, Brazil, Dominican Republic, ECCAA, United States, ACI-LAC, Airbus, ALTA, Boeing, CASSOS, Embraer, FSF, IATA, IFALPA and ICAO. See **Appendix A**. Mrs. Loretta Martin, Regional Director of the ICAO North American, Central American and Caribbean (NACC) Regional Office and RASG-PA Secretary, welcomed participants and acknowledged EMBRAER for hosting the meeting. Mrs. Martin introduced Mr. Carlos Gonzalez, Regional Officer, ATM/2, ICAO NACC Regional Office, who is a secondment from United States FAA. Messrs. Adriano Monteiro de Oliveira and Jorge Henrique Coutinho de Castro, Brazil, and Mr. Gabriel Acosta, IATA, acted as PA-RAST Co-Chairpersons representing States/Territories and International Organizations/Industry, respectively. Mr. Eduardo Chacin, Regional Officer, Flight Safety, ICAO NACC Regional Office, served as Secretary of the meeting. Mr. Carlos Gonzalez, Regional Officer, ATM/2, ICAO NACC Regional Office, and Ms. Veronica Chavez, Regional Officer, Technical Assistance, ICAO SAM Regional Office, also attended the meeting.
Discussion Items	**Agenda Item 1:** **Review and Approval of the Preliminary Meeting Agenda and Schedule** 1.1 The Co-Chairman International Organizations/Industry presented WP/01 inviting the Meeting to approve the preliminary agenda and schedule. The Meeting approved the agenda and the schedule as presented with additional agenda items included under Agenda Item 15: Other Business. **Agenda Item 2:** **Elections – PA-RAST Vice Co-chairperson representing States/Territories** 2.1 Considering that Mexico did not attended the meeting, the election for the Vice Co-chairperson representing States/Territories was deferred to the PA-RAST/16 Meeting. The Secretariat will include it in the Agenda of the upcoming meeting.

Agenda Item 3:   **Review of Recommended Actions of the PA-RAST/14 Meeting**

3.1   The Secretariat briefed the Meeting on the progress of the recommended actions presented in the PA-RAST/14 Summary of Discussions and reviewed by the RASG-PA Executive Steering Committee (ESC/18). They are shown in **Appendix B**.

Agenda Item 4:   **Information Analysis Team (IAT/05) Meeting Report**

4.1   The IAT/05 met the day before the PA-RAST/15 at the same location and

4.2   The RASG-PA Secretariat verified that all the appropriate non-disclosure agreements for Aviation Safety Information Analysis and Sharing (ASIAS) data have been properly signed by RASG-PA members attending the meeting for the first time.

4.3   The Boeing representative, as Rapporteur of the IAT, presented the outcome of IAT/5 Meeting as follows:

- Action items from the IAT/4 Meeting were reviewed
- The Rapporteur presented ASIAS system data
- The accident set data range was reviewed to determine if the accident set was expanded to include new incidents/accidents; there was not any variation from the previous IAT Meeting
- The data presented covered ALAR, TCAW, TCAS and airport rankings in the CAR and SAM Regions
- IATA presented the Global Aviation Data Management (Flight Data Exchange - FDX) data and mentioned they may share specific trends with Civil Aviation Authorities in coordination with the local member airline

4.4   The Meeting noted the risk areas and locations of concern in the CAR and SAM Regions as presented by the Rapporteur and discussed appropriate courses of action considering the non-diclosure agreement between CAST and RASG-PA for handling ASIAS safety data.

Agenda Item 5:   **Procedural Guide (methodology and process) for the Safety Enhancement Team (SET)**

5.1   Boeing requested to defer this agenda item to the PA-RAST/16 Meeting. The Secretariat will include it in the agenda of the upcoming meeting.

Agenda Item 6:   **Runway Excursion (RE) Detailed Implementation Plans (DIPs) Reports**

6.1   **RE/08 - Guidance for Maintaining Runways in Accordance with ICAO Annex 14**

6.1.1   ACI-LAC informed that the master version of the *Guidance for Maintaining Runways in Accordance with ICAO Annex 14 Manual* is in English language; however, in order to promote its use in the CAR and SAM Regions, it will be translated into Spanish by ACI-LAC and Brazil (INFRAERO) will process the translation into Portuguese.

6.1.2   The Secretariat will include the ACI-LAC website link on the RASG-PA website in order to download the manual. ACI-LAC will advise the RASG-PA Secretariat as soon it is published.

6.1.3   The Meeting considered that DIP/RE/08 was completed; therefore, the Secretariat, following the established procedure, will issue a RASG-PA Safety Advisory (RSA) to inform onthe completion of this DIP, provide the link to the ACI-LAC website, and encourage the distribution and use of the manual as soon it is available.

6.2   **RE/09 - Specific Training for Pilots and Air Traffic Controllers to Avoid Unstabilized Approaches**

6.2.1   ALTA presented the Meeting with the training video associated with this DIP for feedback and added that the video is in the final stage.

6.2.2   The Meeting acknowledged the effort of the organizations and individuals in charge of developing the video and its value as a training tool for delivering workshops and training sessions for pilots and air traffic controllers together with the Line Operations Safety Audit (LOSA), Crew Resource Management (CRM), etc.

6.2.3   The Meeting agreed to provide ALTA comments on the training video, which will be released by the second quarter of 2014.

6.2.4   Brazil mentioned that ANAC would assist with Portuguese subtitles.

6.2.5   The Secretariat informed that the video will be included in RASG-PA Aviation Safety Seminars/Workshops in the 2014 programme as agreed by the RASG-PA Aviation Safety Training Team (ASTT) and will be posted on the RASG-PA website.

6.3   **Other Runway Safety Related Issues**

6.3.1   ICAO SAM informed the Meeting that Argentina, Brazil, Chile, Colombia, EMBRAER, IATA and the Regional Safety Oversight System (SRVSOP) will participate in the four Safety Enhancement Teams (SETs) for developing SEIs. PA-RAST will coordinate the activities between the leaders of the activities in order to avoid duplicating efforts.

6.3.2   The Secretariat informed the Meeting that under the umbrella of the ICAO Global Runway Safety Programme, and following the RASG-PA initiative of deploying Runway Safety Team (RST) Go-Teams to assist those airports identified by RASG-PA and ICAO Regional Offices, a mission, which will be the ICAO World Pilot Programme for the RST Go-Team initiative, is planned for MHTG Airport in Tegucigalpa, Honduras, in the first quarter of 2014. The programme for the mission will be developed by the ICAO NACC Regional Office (AGA, ATM, FS and TA Regional Officers) in coordination with ICAO Headquarters and ICAO Runway Safety Programme partners. FSF, one of the partner of the programme, announced its participation in the mission. The mission will serve to showcase the newly developed ICAO iKit for Runway Safety, the ICAO RST Manual, and to establish best practices for RSTimplementation.   The Secretariat encouraged RASG-PA members to participate.

6.3.3   Boeing recommended that the Meeting delay development of any Runway Safety Enhancement Initiatives until CAST presents its new developments in May 2014.

Agenda Item 7:   **Safety Enhancement Team (SET) 1: Development of a Loss of Control-Inflight (LOC-I) Detailed Implementation Plan (DIP)**

7.1   SET 1, in charge of LOC-I DIP development and composed of the United States, Boeing and IFALPA, informed that they will review the SEIs developed by CAST that are publicly available and inform PA-RAST/16 of those applicable for the CAR and SAM Regions after being adapted to a different aviation environment.

Agenda Item 8:   **RASG-PA Strategic Plan for Communication 2014-2016**

8.1   FSF presented a working paper (WP) on the RASG-PA Strategic Plan for Communication. The WP was elaborated in partnership with Brazil.

8.2   The Meeting thoroughly discussed it and decided that a more comprehensive WP must be presented at the PA-RAST/15 for discussion before being elevated to the ESC.

Agenda Item 9:   **Safety Enhancement Team (SET) 2: Development of Controlled Flight Into Terrain (CFIT) Detailed Implementation Plan (DIP)**

9.1   SET 2, in charge of CFIT DIP development and composed of Airbus and IATA, delivered a presentation outlining their plans to develop the associated DIP. The SET process used was also presented, which could be adopted as a standard procedure by the SETs.

9.2   IATA informed that the safety data analyzed from 2002-2012 showed that most CFIT accidents occurred during the approach phase.

9.3   IATA will circulate the last slide of the presentation to the group in order to receive feedback.

9.4   IATA will present an updated version of the proposed DIP at PA-RAST/16.

Agenda Item 10:   **Detailed Implementation Plan (DIP) Implementation for Non-IATA/ALTA Members**

10.1   IATA informed the Meeting that in order to reach air operators that are non-IATA and/or ALTA members, it would be necessary to identify the target audience. Some of the small regional air operators are not in the IOSA registry and probably do not participate in any industry safety activity. Therefore, after their identification by the PA-RAST, it will be necessary to contact them to inform about RASG-PA and the benefits of participating in associated safety activities, adopting related safety products and promote the IATA Standard Safety Assessment (ISSA) for small air operators.

10.2   FSF highlighted the importance of having a RASG-PA communication plan in place that can reach civil aviation sectors in the CAR and SAM Regions, which due to various factors do not have access to up-to-date safety information, programmes and products developed by RASG-PA.

Agenda Item 11:   **Summary of DIPs Under Development by Other ICAO RASGs**

11.1   The Secretariat delivered a presentation on the progress of other ICAO RASGs. The Secretariat highlighted that due to differences among ICAO Regions, such as the level of development of the civil aviation systems, size and complexity of the aviation system, existence of Significant Safety Concerns (SSCs), ICAO Universal Safety Audit Oversight Programme (USOAP) results, cultural issues, political stability, role of COSCAPS and PIRGS, level of maturity and structure of RASGs, resources, etc., it would be difficult to compare progress of the level of implementation of DIPs and associated risk reduction.

11.2   However, the Meeting agreed that it would be beneficial for the entire aviation system to share experiences among RASGs, considering that the main areas of aviation risk are basically the same: runway safety, CFIT and LOC-I.

11.3   The Secretariat informed that ICAO Headquarters coordinates global activities of RASGs and PIRGs, and promotes the interchange of information among the ICAO Regional Officers, Flight Safety and HQs.

11.4   The Secretariat informed that the leadership of the RASGs will be invited to the 5th Pan American Aviation Safety Summit.

Agenda Item 12:   Memorandum of Understanding (MoU) between IATA and RASG-PA

12.1   The Secretariat will send a letter to IATA requesting to share its Global Aviation Data Management (Flight Data Exchange - FDX) data with RASG-PA similarly to the United States Commercial Aviation Safety Team (CAST) sharing of ASIAS data.

12.2   The Meeting acknowledged that the additional data from IATA will enhance the outcome of the work done by the IAT due to the addition of safety data from regional air operators that fly into FIRs and airports, which are not operated by American carriers.

Agenda Item 13:   PA-RAST/15 Actions Items

13.1   The ESC is invited to note the actions to be accomplished by the PA-RAST members as presented in **Appendix C**.

Agenda Item 14:   PA-RAST/16 Meeting

14.1   The Meeting was informed that the IAT/6 and PA-RAST/16 will be held on 27-29 March 2014, simultaneous with the IFALPA 69th Annual Conference, in Panama City, Panama.

14.2   The Meeting acknowledged the continuous support of IFALPA with RASG-PA activities.

Agenda Item 15:   Other Business

15.1   Large Height Deviation (LHD)

15.1.1   IATA delivered a presentation on Large Height Deviation (LHD) issues in the CAR and SAM Regions. The information presented was obtained from the CAR/SAM Regional Planning and Implementation Group (GREPECAS) Scrutiny Working Group (GTE).

15.1.2   IATA expressed concern about the number of LHD events in the CAR and SAM Regions.

15.1.3   The Meeting acknowledged the work of the Caribbean and South America Monitoring Agency (CARSAMMA) and the GTE.

15.1.4   The Meeting also acknowledged that the Mexico LHD information is not included in the scope of CARSAMMA activities and statistics.

15.1.5   Considering the relevance of LHDs from a safety perspective, the Meeting took note of the information provided and considered that the LHD issue must be included in the work of SET 4 that will deal with MACs, in order to analyze the issue in detail and propose mitigation actions to reduce LHD occurrences in the CAR and SAM Regions.

15.2   IATA Standard Safety Assessment (ISSA)

15.2.1   IATA informed the Meeting that they are developing the IATA Standard Safety Assessment (ISSA) Programme for small air operators, which will enhance safety by incorporating this sector of the civil aviation industry into adoption of global standards, adapted to the size and complexity of their operations.

15.2.2   ALTA showed interest in the ISSA and requested more information about the programme from IATA.

15.3   Hypoxia

15.3.1   CASSOS introduced Dr. Paul Buzzo who delivered a presentation on hypoxia and its consequences during high altitude flight.

15.3.2   The Meeting agreed that RASG-PA does not have the resources to create a project about this issue; however, it considered that a presentation may be considered in the 5th Pan American Aviation Safety Summit programme.

15.4   Future RASG-PA Meetings

15.4.1   EMBRAER graciously offered the use their facilities in Ft. Lauderdale and Melbourne, Florida, United States, for conducting any RASG-PA event.

15.4.2   EMBRAER also mentioned that the coordination with Nova Southeastern University (NSU) and the Secretariat is on-going for delivering a RASG-PA Aviation Safety Seminar at the NSU facilities in Ft. Lauderdale, United States, in May 2014.

15.4.2   The Secretariat took note of the initiatives on behalf of RASG-PA.

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APPENDIX A

LIST OF PARTICIPANTS

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APPENDIX B

PA-RAST/15 ACTION ITEMS

Action Item	Description	Action Owner	Disposition	Closure Date/ Status
PA-RAST/14/A1	PA-RAST/15 Agenda shall include the election – PA-RAST Co-chairperson: representing States/Territories. PA-RAST/14, Agenda Item 2	Eduardo Chacin/ ICAO NACC	Vice Co-chairperson representing States / Territories: pending	Valid
PA-RAST/14/A2	The Terms of Reference for IAT, PA-RAST and ASTT shall be compiled in the RASG-PA Procedural Handbook. PA-RAST/14, Agenda Item 2	Eduardo Chacin/ ICAO NACC		Completed
PA-RAST/14/A3	Provide IAT/4 Action Items to action item owners and ICAO for distribution. PA-RAST/14, Agenda Item 4	Rebecca Good/ Boeing	IAT/4 Action Items distributed by email 25 Sept. 2013	Completed
PA-RAST/14/A4	Contact ACI-LAC regarding that the Secretariat will contact ACI-LAC in order to obtain an update about the pending outcomes of this DIP. PA-RAST/14, Agenda Item 5.1	Eduardo Chacin/ICAO NACC		Completed
PA-RAST/14/A5	Provide ALTA comments on the training video. ALTA shall send a link to the video available via YouTube by 2 October 2013. Comments shall be sent directly to Santiago Saltos by 9 October 2013. PA-RAST/14, Agenda Item 5.1	PA-RAST		Valid

Action Item	Description	Action Owner	Disposition	Closure Date/ Status
PA-RAST/14/A6	PA-RAST/15 and subsequent PA-RAST Meeting agendas shall include the following recurring agenda item: Summary of DIPs under development by other ICAO RASGs. PA-RAST/14, Agenda Item 7	Eduardo Chacin/ICAO NACC		Completed
PA-RAST/14/A7	Create an appendix to the RASG-PA Procedural Handbook that documents methodology and process for Safety Enhancement Teams (SETs). PA-RAST/14, Agenda Item 7	Gerardo Hueto/ Boeing		Valid
PA-RAST/15/A8	Notify States of Safety Enhancement Teams (SETs) and request State participation. PA-RAST/14, Agenda Item 7	Julio Garriga/ICAO NACC		Completed
PA-RAST/15/A9	Provide SET 1 (LOC-I) a copy of the draft IATA Toolkit. PA-RAST/14, Agenda Item 7	Gabriel Acosta/ IATA		Completed
PA-RAST/14/A10	PA-RAST/15 Agenda shall include the following agenda item: DIP Implementation for Non-IATA/ALTA Members. PA-RAST/14, Agenda Item 7	Eduardo Chacin/ICAO NACC		Completed
PA-RAST/14/A11	IAT/5 and subsequent IAT Meeting agendas shall include the following recurring agenda item: Review of accident set data range to determine if the accident set should be expanded to include new incidents/accidents. PA-RAST/14, Agenda Item 9	Eduardo Chacin/ICAO NACC		Completed

Action Item	Description	Action Owner	Disposition	Closure Date/ Status
PA-RAST/14/A12	Compile accident set and suggest risk reduction targets for 14 South American States by 30 September 2013. The accident set and suggested risk reduction targets will be reviewed prior to presentation to the Directors at the Bogotá Declaration. PA-RAST/14, Agenda Item 9	Robert Noges/Boeing Oscar Quesada/ ICAO SAM		Completed
PA-RAST/14/A13	IFALPA will advise RASG-PA Secretariat about the possibility of sponsoring the IAT/06 and PA-RAST/16 Meetings concurrently with their 69th Annual Conference to be held in Panama City, Panama. PA-RAST/14, Agenda Item 10	German Diaz Barriga/IFALPA		Completed
PA-RAST/14/A14	Arrange telecon to review and provide comments on the draft RASG-PA Strategic Communication Plan. Brazil to distribute draft Strategic Communication Plan to PA-RAST prior to telecon. PA-RAST/14, Agenda Item 11	Oscar Quesada/ ICAO SAM and Carlos Pellegrino/Brazil	Working paper to be presented by Brazil and FSF in PA-RAST/14	Superseded
PA-RAST/14/A15	Set a link for the "United Kingdom Upset Recovery Toolkit" on the RASG-PA website. PA-RAST/14, Agenda Item 13	Eduardo Chacin/ ICAO NACC		Completed

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APPENDIX C

PA-RAST/15 ACTIONS ITEMS

Action Item #	Description	Action Owner	Disposition	Closure / Status
PA-RAST/15/A1	Include Elections PA-RAST Vice Co-chairperson representing States/Territories in the Agenda of PA-RAST/16 PA-RAST/15, Agenda Item 2	Secretariat		Completed
PA-RAST/15/A2	Check/inform member airlines: • trend of unstable approaches in identified airports in the CAR and SAM Regions • TCAS RA in identified FIRs in the CAR and SAM Regions Report to PA-RAST PA-RAST/15, Agenda Item 4 & 15	ALTA & IATA		Valid
PA-RAST/15/A3	Include Procedural guide (methodology and process) for the Safety Enhancement Team (SET) in the Agenda of PA-RAST/16 PA-RAST/14, Agenda Item 4	Secretariat		Completed
PA-RAST/15/A4	Publish the *Guidance for Maintaining Runway in Accordance with ICAO Annex 14* in English and Spanish PA-RAST/15, Agenda Item 6	ACI		Valid
PA-RAST/15/A5	Issue a RASG-PA Safety Advisory (RSA) to inform the completion of DIP/RE/08 PA-RAST/14, Agenda Item 6	Secretariat	ACI to provide the web link to the document to be included in the RSA and RASG-PA website	Valid
PA-RAST/15/A6	Provide ALTA with comments on the training video PA-RAST/14, Agenda Item 6	PA-RAST		Valid

Action Item #	Description	Action Owner	Disposition	Closure / Status
PA-RAST/15/A7	Coordinate activities between leaders of SETs to include NAM/CAR and SAM Regions representatives PA-RAST/14, Agenda Item 6	PA-RAST Co-chairpersons		Valid
PA-RAST/15/A8	Review CAST LOC-I SEIs and inform PA-RAST/16 PA-RAST/14, Agenda Item 7	SET 1		Valid
PA-RAST/15/A9	Present Working Paper of updated RASG-PA Strategic Plan for Communication PA-RAST/14, Agenda Item 8	FSF		Valid
PA-RAST/15/A10	Present an updated version of CFIT DIP in the PA-RAST/16 PA-RAST/14, Agenda Item 7	SET 2		Valid
PA-RAST/15/A11	Identify regional operators non-IATA/ALTA members PA-RAST/14, Agenda Item 10	ALTA & IATA		Valid
PA-RAST/15/A12	Invite the leadership of the RASGs to the 5th Pan American Aviation Summit PA-RAST/14, Agenda Item 11	Secretariat		Valid
PA-RAST/15/A13	Send letter to IATA requesting to share its data from the Global Aviation Data Management (Flight Data Exchange - FDX) PA-RAST/14, Agenda Item 12	Secretariat		Completed
PA-RAST/15/A14	Include LHDs in the work of SET 4 that will deal with MAC PA-RAST/14, Agenda Item 15	SET 4		Valid

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