



**Thirtieth Regional Aviation Safety Group — Pan America Executive Steering Committee Meeting
(RASG-PA ESC/30)**

Baltimore, United States, 22 to 23 March 2018

Agenda Item 4: RASG-PA Project Reports

REGIONAL ACCIDENT AND INCIDENT ORGANIZATION - CARIBBEAN (RAIO-C) UPDATE

(Presented by CASSOS)

EXECUTIVE SUMMARY	
This Paper presents the status of the Project for the implementation of the Caribbean Accident and Incident Investigation Regional Organization (RAIO-C) for CASSOS member States and other CAR States.	
<i>Action</i>	Suggested action presented in Section 4
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety
<i>References:</i>	<ul style="list-style-type: none">• ICAO DOC 9946 - Manual on Regional Accident and Incident Investigation Organization• RAIO-C Summary of Discussions – First and Second Meetings

1. Introduction

1.1 Annex 13 – *Accident Investigation* - of the Convention on International Civil Aviation establishes that the State of occurrence shall institute an investigation into the circumstances of the accident and be responsible for the conduct of the investigation, but it may delegate the whole or any part of the conducting of such investigation to another State or a regional accident and incident investigation organization by mutual arrangement and consent.

1.2 Annex 19 – *Safety Management* - of the Convention on International Civil Aviation establishes that States under the State Safety Programme (SSP) maintain the independence of the accident and incident investigation organization from other State's aviation organizations.

1.3 ICAO Doc 9946 - *Manual on Regional Accident and Incident Investigation Organization* (RAIO) presents guidance to States on how to establish and manage an accident and incident investigation systems. ICAO encourages States to implement an adequately funded, professionally trained accident investigation authority.

1.4 One of the three less effective implemented areas of the USOAP in the Caribbean region is the Accident and Incident Investigation area (AIG) and under this the qualification and training is its lowest area EI (CE-4).

2. Discussion

2.1 The ICAO North America, Central America and Caribbean Regional Office (NACC RO), as part of the technical assistance activities under No Country Left Behind (NCLB) Strategy, following the initiative of implementing GRIAA (*Grupo Regional de Investigación de Accidentes Aéreos*) in Central America under the leadership and support of COCESNA/ACSA, proposed the creation of a Regional Accident Investigation Organization (RAIO) for Caribbean Aviation Safety and Security Oversight System (CASSOS) member States and other CAR Region States to the Sixth North American, Central American and Caribbean Directors Meeting (NACC/DCA/6) in May 2016 in Nassau, Bahamas.

2.2 The NACC/DCA/6 Meeting agreed with the proposal and formulated the following conclusion:

CONCLUSION NACC/DCA/6/4

ESTABLISHMENT OF A RAIO IN THE CAR REGION

That, in order to foster the improvement in the Effective Implementation in the AIG matters in the CAR Region and enhance regional collaboration under the NACC NCLB Strategy through the establishment of a RAIO for CASSOS Member States and other CAR States as required, CAR States led by ICAO NACC Regional Office:

- a) designate a PoC for this action by 31 May 2016;*
- b) develop and implement an action plan including as a minimum the Project areas detailed in Appendix C; and*
- c) present the progress accomplished from item b) by the NACC/DCA/7 meeting.*

2.3 The ICAO NACC RO in coordination with CASSOS developed a Project Proposal for the RAIO-C for the CAR States, which is funded initially by the ICAO Safety Fund (SAFE). This fund serves as a mechanism for the collection and use of voluntary contributions from States and other donors to support ICAO safety programmes.

2.4 The RAIO-C Project consists of two phases: Phase 1 - Planning and Phase 2 – Implementation.

2.5 The Phase 1 – Planning of the project includes the following deliverables:

- 1. Report about the feasibility of the implementation of the RAIO-C:
 - a. Perform an AIG gap analysis, including the manpower requirements, in the CASSOS Member States in accordance with ICAO AIG SARPs and Guidance Material
 - b. Review and identify national procedures regarding its compliance with ICAO AIG related SARPs and guidelines

- c. Review and identify updates on AIG documentation for implementation of RAIO-C
 - d. Review the draft memorandum of agreement for the establishment of RAIO-C
- 2. Report on existing AIG capabilities by the CASSOS Member States and RAIO-C models/options, including recommendations, as well as financing sources
- 3. Regional training programme
 - a. Assess the training needs of the AIG qualified Investigators in CASSOS Members States
 - b. Identify training programmes necessary for RAIO-C Investigators
- 4. Action plan for AIG EI% improvement
- 5. Action plan for the implementation of the RAIO-C

2.6 The Phase 2 to support the action plan implementation will be defined and implemented in the future, based on the results of the Phase 1.

2.7 The Project had held two Meetings in 2017 and had an initial planning for 2018 as presented in the **Appendix**.

3. Conclusion

3.1 The successful establishment of the RAIO-C for CASSOS member States and other CAR States would need extraordinary resources (financial and human). However, its benefits would be in the medium term the following:

- 1. Providing economies of scale through the sharing of the necessary financial and human resources for AIG matters
- 2. Fostering regional training, cooperation and safety information exchange among RAIOC-C member States for AIG activities
- 3. Enhancing accident and incident investigation quality and quantity
- 4. Enhancing reporting of occurrences
- 5. Reducing fatality risk in the CAR Region
- 6. Improving USOAP-CMA results

4. Suggested Action

4.1 The Meeting is invited to:

- a) Take note of the activities for the development of the Caribbean AIG Regional Organization (RAIO-C); and
- b) look for synergies to support the RAIO C initiative for the Caribbean States in conjunction to the development of the GRIAA initiative.

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APPENDIX

PROJECT FOR THE ESTABLISHMENT OF RAIO-C

PROJECT FOR THE ESTABLISHMENT OF RAIO-C PHASE 1 – Planning (2017-2018)							
ID	Activity	Start	Finish	Responsible	Status	Remarks ICAO	Remarks CASSOS
1	1 st Meeting, Mexico City, Mexico	21/02/17	22/02/17	ICAO NACC RO	Completed	Kick-off Meeting of Project	
2	ToR of Subject Matter Expert (Feasibility study, training plan and support for workshop)	22/02/17	22/02/17	ICAO NACC RO	Completed		
3	2 nd Meeting, Georgetown, Guyana	26/06/17	30/06/17	ICAO NACC RO	Completed		
4	ICAO Regional workshop on Safety Information Protection, Mexico City, Mexico	4/12/17	6/12/17	ICAO HQs	Completed		
5	AIG SME contracting period for feasibility study and training plan: <ul style="list-style-type: none"> Perform a feasibility analysis for the establishment of RAIOC, which includes: Assessment of Training needs and a AIG training proposal for RAIOC Define the detailed RAIOC Project workprogramme, phase 1 and Phase II 	2Q/2018	4Q/2018	ICAO - SME	ongoing	Vacancy notice launched in 9 March 2018	

PROJECT FOR THE ESTABLISHMENT OF RAIO-C PHASE 1 – Planning (2017-2018)							
ID	Activity	Start	Finish	Responsible	Status	Remarks ICAO	Remarks CASSOS
6	ICAO NACC Regional Office LEG Consultant to provide assistance to the Phase 1 of the project	2Q/2018	4Q/2018	ICAO NACC RO	ongoing		LEG SME to support Project
7	Canada AIG SME to provide assistance to the Phase 1 of the project	2Q/2018	4Q/2018	ICAO NACC RO	ongoing	AIG Expert ToRs submitted to Canada	
8	3 rd Meeting, TBD	July 2018	July 2018	ICAO NACC RO	Pending		To be confirmed dates
9	ECCAIRS Workshop, Mexico City, Mexico or Caribbean State	July 2018	July 2018	ICAO NACC RO	Pending	Coordination with Mexico DGAC is on-going	
10	4 th Meeting, TBD	4Q/2018	4Q/2018	ICAO NACC RO	Pending		
11	Development of three AIG courses for the CAR Region: <ul style="list-style-type: none"> • AIG Initial Training • AIG Seminar 	23/02/18	31/12/18	ICAO NACC RO	On-going		
12	Consider the transition for RAIO-C separation from CASSOS	4Q/2018	1Q/2019	CASSOS	Pending		
13	RAIO-C establishment agreement to be registered in ICAO as per Art. 83 of Chicago Convention	4Q/2018	3Q/2019	CASSOS	Pending		