

AIG REGIONAL COOPERATION MECHANISM (ARCM) OF SOUTH AMERICA

FIFTH AIG AUTHORITIES MEETING

(Medellin, Colombia, 3 to 5 October 2018)

Agenda Item 10: Proposal for development of a safety recommendations and investigation management system (IRMS)

Summary

This working paper presents to the Fifth AIG Authorities Meeting a proposal for the development of a model of computer system of investigation traceability for AIG organizations.

References

- ARCM AIG Regulations
- Annex 13 – Aircraft Accident and Incident Investigation
- Doc 9946 – Manual on Accident and Incident Regional Organizations (RAIO)
- Doc 9683 – Human Factors Training Manual
- Cir 298 – Training Guidelines for Aircraft Accident Investigators
- ARCM Training Programme
- State Training Programme

1. Introduction

1.1 According to the last results obtained in the framework of the activities of the ICAO Universal Safety Oversight Audit Programme (USOAP), one of the audit areas with less effective implementation (EI) in relation to the safety oversight capabilities of the SAM States is still the accident and incident investigation area (AIG).

1.2 All the AIG organizations have the power to develop the accident investigation process according to the guidelines established in Annex 13 (Aircraft Accident and Incident Investigation) and in Doc. 9756 (Manual of Aircraft Accident and Incident Investigation) and in agreement with the additional and basic State legislation.

1.3 Currently, the organizations implement computer systems to manage their information and the different processes of their organization. Regarding AIG organizations, they manage several types of information (financial, personal, administrative, legal, etc.); they have specifically designed systems for that type of information.

- 2 -

1.4 The investigation process must be managed through a system that allows the establishment of a traceability metric of the stages of the investigation. This is crucial for audits, warnings and sensitive safety information management since it will allow to see the flow of information and convergent processes.

1.5 In this regard, the Technical Committee identified the following opportunities to improve:

- ✓ To identify the States that do not have a safety information management system;
- ✓ To define, according to Annex 13, the guidelines for the investigation process of each AIG organization;
- ✓ To establish the investigation process in detail in relation to areas and processes;
- ✓ To establish the follow-up process for safety recommendations;
- ✓ To integrate the traceability system with the follow-up of recommendations; and
- ✓ To create a plan for the incorporation of a traceability system in the AIG organization that do not have it;

2. Development Proposal

2.1 Based on what was identified, the ARCM Technical Committee presents proposals for the development of a management system for those organizations that do not have one and suggests adapting the integration processes of the States that already have a management system with the contents described in **Appendix A**.

2.2 On the basis of the proposals for amendments of Appendix A, the task group will have to validate the TC comments or, if necessary, include new changes to the analysis performed.

3. Conclusions

3.1 The development and implementation of a safety recommendations and investigation management system (IRMS) that adapts to the State investigation procedures will contribute to efficiency in the investigation period, follow-up warnings and audits of the processes, as well as safety and optimization of resources. At the same time, it will be an opportunity of improvement for:

- a) AIG organizations not having an investigation traceability system;
- b) Organizations that still do not manage the follow-up of safety recommendations; and
- c) Standardization of investigation processes in the framework of the ARCM.

Benefits

To create a database of the organization information management:

- a) Review and update of the investigation support processes;
- b) Update of the process of follow-up of recommendations;
- c) Sharing of updated investigation models in the framework of the ARCM; and
- d) Support to the States willing to develop an information system.

- 3 -

4. Suggested Actions

The Meeting is invited to take notes of the information included in this WP and:

- a) To discuss the feasibility and convenience of establishing a work group to develop and adapt to an IRMS for the States that require; and
- b) To develop a work plan and its corresponding Gantt letter for every State that requires the development of an IRMS, and to present the progress to the ARCM Executive Committee.

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