

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
LATIN AMERICAN CIVIL AVIATION COMMISSION**

AIG REGIONAL COOPERATION MECHANISM (ARCM) OF THE SAM REGION

SECOND MEETING OF AIG AUTHORITIES
(Buenos Aires, Argentina, 09 to 11 June 2015)

TASK AIG-SAM/2-4 – Development of a proposal of a harmonized AIG training programme

Summary

This task provides information about the development of a proposal of a harmonized AIG training programme to be used under the framework of the AIG regional cooperation mechanism (ARCM) of the SAM Region.

References

- Report of the First Meeting of AIG Authorities of the SAM Region (AIG-SAM/1), Lima, Peru, 18 to 20 March 2014.
- Report about the Second Virtual Meeting of AIG Authorities - AIG diagnosis of the SAM Region and first steps in the creation of an AIG regional cooperation mechanism (ARCM) among AIG Authorities of the SAM Region, Lima, Peru, 27 November 2014.
- Annex 13 – Aviation Accident and Incident Investigation.
- Doc 9946 – Manual on Regional Accident and Incident Investigation Organizations (RAIO).
- Doc 9683 – Human Factors Training Manual.
- Cir 298 – Training Guidelines for Aircraft Accident Investigators.

Specialists in charge of the task

Mr. Gustavo Iriarte (lecturer)
Mr. Márcio Antonio Abreu Jorge Teixeira
Mr. Daniel Barafani
Mr. Kyhumel Ponte Soteldo

Deadline to submit the task

The lecturer assigned to this task shall submit the result to the Safety Officer of the SAM Region, by e-mail, **no later than 27 February 2015**.

1. Introduction

1.1 According to the last outcomes achieved under 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 aircraft accident and incident investigation with **69.64%** of compliance.

1.2 In this area, it is mainly observed that the subgroups of investigation policies and procedures; development, completion and release of the final report; organization, staffing and training of the accident investigation authority; development, issuance, and recording of safety recommendations and forwarding of Accident/Incident Data Reports (ADREP) procedures are the ones that have the highest number of unsatisfactory Protocol Questions (PQ) as the SAM States general average.

1.3 In order to analyze the AIG situation and agree on a strategic plan with the aim of making the first steps in the creation of one of the forms of a Regional Accident and Incident Investigation Organization (RAIO), the SAM Region conducted the First Meeting of AIG Authorities (AIG-SAM/1) in Lima, Peru, 18 to 20 March 2014.

1.4 In this meeting they discussed the concept of a RAIO and the fact that it can be implemented in different ways: in a very simple one such as the training of a regional group of investigators as well as a more complex one such as a completely implemented, independent and institutionalized RAIO. In this regard, the meeting was invited to perform an analysis of the regional needs to be able to determine what form of a RAIO could be implemented in the SAM Region.

1.5 Next, the guidelines for the development of an AIG regional cooperation strategic plan were introduced and three groups of work among the States representatives and the industry for the development of a strategic plan of the SAM Region were formed. These three groups presented their proposals for the strategic plan; the adoption of an implementation process in phases was agreed upon and concrete objectives for these phases were identified. The report of the AIG-SAM/1 meeting is shown in **Appendix A** of this task.

1.6 To begin with the first phase of the project, the Civil Aviation Accident Investigation Board (JIAAC) of Argentina transferred the services of an AIG specialist to the ICAO South American Regional Office for the month of November 2014 to work in this phase.

1.7 In this regard, two virtual meetings were carried out: the first, on Friday 7 November 2014, to present the assigned specialist's work programme, and the second, on Thursday 27 November 2014, to present the AIG diagnosis of the SAM Region with the aim of making the first steps in the establishment of an AIG regional cooperation mechanism (ARCM). In the Second virtual meeting five (5) tasks were agreed to be developed, whose proposals will be presented through working papers (WP) in the Second meeting of AIG authorities of the SAM Region (AIG-SAM/2) that will be held in Buenos Aires, Argentina, from 09 to 11 June 2015. The report of the Second virtual meeting is shown in **Appendix B** of this task.

2. **Definition of the problem**

2.1 It is possible that several States in the SAM Region do not have the necessary resources to investigate the full range of aviation accidents and incidents and to perform comprehensive analysis of data on accident and incident that are received. For these States, the establishment of an AIG regional

cooperation mechanism (ARCM) among AIG Authorities of the SAM Region could mean the only solution to achieve the implementation of an effective accident and incident investigation system.

2.2 Different levels of training will be required for the ARCM accident and incident investigators depending on their areas of responsibility. For example, the investigators assigned only to general aviation non-fatal accident and incident investigation would not need the same level of training than an investigator in charge of an airline serious accident. Similarly, the investigators assigned to the investigation of several technical areas, such as flight operations, airworthiness, airports and air traffic services, would require specialized training in order to effectively and efficiently perform their tasks. In addition, all the investigators would require a certain level of competency and training in report writing.

2.3 The task group shall perform an analysis of the needs of training based on the significance and objectives of the ARCM, as well as on the tasks, responsibilities and experience of the investigation staff of the States that may participate in the ARCM cooperation mechanism of the SAM Region. This training should be prepared and imparted to the staff considering those needs.

2.4 The **initial training** of the new staff under the framework of the training programme, as well as the **on-the-job training, recurrent and specialized** of the investigators assigned to the ARCM will guarantee that such staff know about the relevance and significance of the activities in the mechanism and clearly understand the way in which it contributes to the general achievement of the policy and objectives of the ARCM.

2.5 In order to bridge the gap between the available and the needed competence of the AIG experts of the Region and to design and introduce the training programme, the ARCM shall develop the following stages of the training process:

- a) determination of the training needs;
- b) training design and planning;
- c) delivering of the training; and
- d) evaluation of the training results.

3. **Activities and result of the task**

3.1 A study of the reference material mentioned in the summary of this document will be needed to perform this task. In addition, the following criteria shall be used:

3.2 The development of this task shall produce the first draft of the **Working Paper 04 (AIG-SAM/2-WP/04)**, being **the deadline 27 February 2015**. The referred working paper shall contain the results of the studies performed and a concrete proposal of the harmonized AIG training programme of the SAM Region that will be part of Appendix A of the referred working paper.

3.3 The outlined proposal will be analyzed and evaluated by the AIG Authorities and by the legal entities of the SAM States, from **16 March to 30 April 2015**, using the e-mail resources. During this period, the assigned AIG specialists shall check and amend the working paper with the comments collected, as appropriate.

3.4 The working paper agreed upon by the States will be released on the [ICAO South American Regional Office](#) Web page as of **11 May 2015**.

TASK AIG-SAM/2-4
05/12/2014

- 4 -

3.5 The final version of the working paper will be presented by the task team lecturer in the Second meeting of AIG authorities of the SAM Region (AIG-SAM/2) that will be held in Buenos Aires, Argentina, from 09 to 11 June 2015.

- END -