



*International Civil Aviation Organization*

**FOURTH MEETING OF THE ASIA PACIFIC ACCIDENT INVESTIGATION GROUP  
(APAC-AIG/4)**

*Tokyo, Japan, 1-2 September 2016*

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**Agenda Item 6: Action plan to improve the accident/incident investigation capability in the APAC Region**

**TRAINING FOR ENHANCEMENT OF INVESTIGATION CAPABILITIES**

*(Presented by Singapore)*

**SUMMARY**

This paper identifies basic accident investigation training that would help States/Administrations improve their accident investigation capabilities.

**1. INTRODUCTION**

1.1 At its Eighth Meeting on 28 March – 1 April 2016, the Asia Pacific Regional Aviation Safety Team (APRAST) of the RASG-APAC requested the APAC-AIG to identify potential initiatives to help improve accident investigation capabilities and USOAP AIG Effective Implementation rates of States/Administrations.

1.2 This paper identifies basic accident investigation training that would help States/Administrations improve accident investigation capabilities. (The identification of potential initiatives to help improve USOAP AIG Effective Implementation rates will be the subject of a separate working paper.)

**2. DISCUSSION**

2.1 It is proposed that the areas of training identified below could be considered as basic for States/Administrations' accident investigators.

- Comprehensive understanding of Annex 13 protocol
- Investigation management
- Accident site control, management and safety
- Wreckage and debris mapping
- Preservation and documenting of evidence
- Investigator's equipment and protective clothing
- Photography for investigators
- Interviewing techniques
- Readout of flight recorders
- Investigation of flight operations

- Investigation of aircraft maintenance and engineering aspects
- Investigation of human factors
- Investigation of crashworthiness
- Investigation of cabin safety
- Investigation of airport factors
- Investigation of organisational and management factors
- Making safety recommendations
- Investigation report writing
- Crisis management (news media / family assistance)
- Underwater search and recovery of flight recorders

2.2 The *Aircraft Accident Investigation Techniques* and *Aircraft Accident Investigation Management* courses offered by the Singapore Aviation Academy (SAA) address many of the areas of training in the list. Singapore's Transport Safety Investigation Bureau (TSIB) will also be able to conduct training on underwater search and recovery of flight recorder.

### **3. ACTION BY THE MEETING**

3.1 The Meeting is invited to:

- a) Discuss and identify any further areas of training that could be considered as basic;
- b) Recommend that the APRAST consider requesting ICAO APAC Office to conduct a survey among APAC States/Administrations to ascertain the demands for the various areas of basic training, and to initiate the training when there is a demand; and
- c) Volunteer instructor resource or identify training organisations to support the ICAO APAC Office in anticipation of a launch of any of the basic training.

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