



International Civil Aviation Organization

**Second Meeting of the Asia Pacific Accident Investigation Group
(APAC-AIG/2)**

(Hong Kong, China, 27-28 May 2014)

Agenda Item 2: Report on recent accident/incident investigation related developments and activities

ACCIDENT INVESTIGATION WORKSHOP IN VIET NAM

(Presented by Singapore)

SUMMARY

This paper shares the recent experience in the sharing of an accident investigation workshop with the Civil Aviation Authority of Viet Nam by the Air Accident Investigation Bureau of Singapore.

1. INTRODUCTION

1.1 Two investigators from the Air Accident Investigation Bureau of Singapore (AAIB) recently shared a workshop on aircraft accident investigation with the Civil Aviation Authority of Viet Nam (CAA Viet Nam) on 14-17 April 2014. The workshop was customised to the needs of CAA Viet Nam.

1.2 The conduct of the workshop falls under the framework of the ASEAN MoU on Cooperation Relating to Aircraft Accident Investigation which was signed by the 10 ASEAN Member States on 28 May 2008 which include three main areas: sharing of investigation resources; investigation training and observer attachment.

2. DISCUSSION

2.1 The investigation workshop was conducted at the Southern Vietnam Helicopter Company at Vung Tau City, Viet Nam (about 2-hour drive from Ho Chi Minh City). The workshop included a practical session on underwater search of flight recorders using the handheld ULB detector and the Omni-directional detector.

2.2 The topics of the workshop included the following:

- ICAO Annex 13 as the international framework on accident investigation
- Process of investigation
- Accident site hazards and risk management

- Flight recorder
- Underwater search of flight recorder
- Wreckage mapping and documentation
- Investigation report

2.3 About 37 participants attended the workshop which consisted of representatives from the CAA Viet Nam, three regional airport authorities (North, Middle and South), Vietnam Airlines, VietJet Air, Pacific Airlines, Vietnam Helicopter Corporation, Northern Vietnam Helicopter Company and Southern Vietnam Helicopter Company.

2.4 As part of the training, a practical exercise was conducted for participants to practice locating the underwater locator beacon (ULB), and using the AAIB's search pattern tools (linear search pattern generator and 8-point sea search strategy) and Flight Recorder Triangulation Software (FRTS) software.

2.5 CAA Viet Nam arranged for a small navy vessel that was capable of accommodating all the workshop participants. The AAIB investigators demonstrated the operation of the Omni-directional and directional ULB detection system to the participants. All the participants also had the opportunity to use both systems and experienced narrowing down the azimuth of the ULB signal. The participants also experienced the hardship and difficulty involved in locating the ULB signal. They realized and appreciated that it is not an easy task to search for the ULB signal.

2.6 A practical exercise was also conducted for the participants to practice documenting the evidence at a wreckage site. Simulated targets were placed on the ground and participants were taught how to document using GPS, walking measure, compass, laser range finder and inclinometer. AAIB also shared with the participants on the techniques in the donning of the PPE, and one of the participants practiced donning it.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note that the AAIB Singapore is glad to extend the sharing of the aircraft accident investigation workshop with other States/Administrations in the APAC region.

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