



International Civil Aviation Organization
Asia and Pacific Office

Thirteenth Meeting of the Asia Pacific Accident Investigation Group (APAC-AIG/13)

(New Delhi, India, 30-31 October 2025)

Agenda Item 4: Enhancing accident investigation capabilities

EMBRAER AIRCRAFT INVESTIGATION TRAINING

(Presented by Singapore)

SUMMARY

This paper provides information on an Embraer aircraft investigation training organised by the Transport Safety Investigation Bureau (TSIB) of Singapore from 26 to 28 May 2025. The training, conducted by Embraer, equipped TSIB and regional investigators with systems knowledge on E2 and E-Jets aircraft to better prepare for future safety investigations.

This paper also suggests that APAC States and Administrations consider engaging aircraft manufacturers to conduct on-site investigation training, which would be more cost-effective and enable more investigators to be trained simultaneously.

1. INTRODUCTION

1.1 With Scoot, a subsidiary of Singapore Airlines, commencing operations of Embraer E190 aircraft in May 2024, TSIB identified the need for its investigators to acquire relevant knowledge of Embraer aircraft systems to support future safety investigations. To address this need, TSIB collaborated with Embraer, a Brazil-based aircraft manufacturer, to organise a dedicated investigation training course in Singapore.

2. DISCUSSION

2.1 At the request of TSIB, Embraer conducted a three-day customised training course on E2 and E-Jets Aircraft Systems Familiarisation from 26 to 28 May 2025 in Singapore. Besides TSIB investigators, the training was attended by safety investigators from Brunei Darussalam, Cambodia, Japan, Myanmar, Philippines, Rwanda and Thailand. The training was conducted by:

- a) Mr. Paulo Soares Oliveria Filho, Embraer Air Safety Investigations Manager; and
- b) Mr. Domincio Angelo da Fonseca, Embraer Senior Aircraft Training Specialist.

2.2 The technical insights shared by the presenters enhanced participants' preparedness for investigations involving Embraer aircraft. The participants benefited from the in-depth presentations and discussions, which covered topics such as:

- a) Flight recorder systems;
- b) Aircraft onboard electronics;
- c) Cockpit instruments; and
- d) Emergency devices.

2.3 The training underscored the value of engaging aircraft manufacturers to provide on-site training for accident investigation purposes. Such training ensures that investigators receive direct, type-specific knowledge from the aircraft manufacturer, who has specific knowledge on the aircraft. In addition, conducting onsite training in the region allows more participants to benefit at the same time, making it more cost-effective and resource-efficient for States and Administration in the region. Embraer was happy to be able to reach out to a larger community in the APAC region by conducting an onsite training, rather than doing it in Brazil which may be difficult for many to travel to.

3. ACTION BY THE MEETING

3.1 The Meeting is invited to:

- a) note the successful conduct of the Embraer investigation training organised by TSIB in collaboration with Embraer;
- b) recognise the benefits of manufacturer-led, on-site training in equipping investigators with type-specific systems knowledge; and
- c) encourage APAC States/Administrations to engage aircraft manufacturers to organise training and offer training opportunities to other APAC States/Administration, to enhance regional investigation capabilities in a cost-effective manner.

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