

# Sixth International Accident Investigation Forum (IAIF/6)

Agenda Item 4:

Enhancing accident investigation capabilities

Presented by Singapore

# Introduction

- A triennial event established since 2010
- Foster dialogue, strengthen cooperation, and promote knowledge sharing
- IAIF/6 from 21 to 23 May 2025
  - 120 participants from 32 States/Administrations and 24 international organisations and industry partners

# Discussion

- IAIF/6 keynote addresses:
  - Mr Pascal Luciani, DD(ANB), ICAO;
  - Mr Angus Mitchell, Chief Commissioner, ATSB; and
  - Mr Yoan Marier, Chair, TSB.
- Keynote addresses underscored:
  - increasing complexity of aviation operations
  - indispensable role of independent, well-equipped investigation bodies
  - need for continuous learning and strong international collaboration

# Discussion

- Presentations by 22 other speakers
- Two areas of particular interest, i.e.:
  - Application of AI in Investigations –
    - E.g. improve occurrence classification, evidence analysis, investigation management and predictive risk assessment
  - Burnt Composite Material hazards
    - Health and safety risks to investigators and first responders
    - best practices for protection and mitigation.

# Discussion

- Visited the MITRE Asia Pacific facility
  - full-cockpit simulator, wrap-around ATC tower, and advanced traffic flow management workstations.
- IALF will be renamed the **International Safety Investigation Forum (ISIF)**
  - a broader focus on safety improvement, proactive analysis of incidents and systemic risks to further improve aviation safety

# Action by the Meeting

- Note the successful organising of IAIF/6 by Singapore's TSIB
- Note the emerging importance of AI applications in aircraft accident investigation and the increased risk of burnt composite materials to aircraft accident investigators
- Consider these topics as possible areas for future APAC-AIG workshops or training