

COSCAP-SEA

Aircraft Accident & Incident Investigation Authority Workshop

ICAO Asia and Pacific Regional Office, Bangkok, Thailand

18 – 21 February 2020

Regional AIG Developments

By CHAN Wing Keong

Chairman, APAC-AIG

Presentation Topics

- (1) ASEAN Memorandum of Understanding in investigation cooperation
- (2) Code of Conduct on Cooperation Relating to Civil Aviation Accident/Incident Investigation
- (3) Database of investigation agencies
- (4) APAC Regional Office Combined Action Team (CAT)
- (5) First Asia Pacific Ministerial Conference on Civil Aviation
- (6) Asia-Pacific Regional Aviation Safety Plan (RASP)
- (7) Enhancing accident investigation capabilities

Association of Southeast Asian Nations MOU on Cooperation Relating to Aircraft Accident and Incident Investigation

- Concluded on 29 May 2008 . Not legally binding
- Covering:
 - Mutual assistance in investigation manpower, equipment and facilities
 - Training
 - Observer attachment

Asia-Pacific Code of Conduct (CoC) on Cooperation Relating to Civil Aviation Accident/Incident Investigation

- RASG-APAC developed the CoC in 2013 to promote mutual cooperation in accident/incident investigation in the APAC region.
- Not legally binding.

Code of Conduct (CoC) (Cont'd)

- To date, 22 States/Administrations have pledged their support to the CoC:
 - Australia, Bangladesh, Brunei Darussalam, Cambodia, China, France, Hong Kong China, Indonesia, Japan, Lao PDR, Macao China, Malaysia, Maldives, Mongolia, Myanmar, New Zealand, Papua New Guinea, Philippines, Republic of Korea, Singapore, Sri Lanka and Thailand

Database of APAC Investigation Agencies

- A database of the investigation agencies in the APAC region has been created by APAC-AIG and hosted by ICAO APAC Office since 2013 to allow States/Administrations to:
 - obtain contact information of their counterparts easily; and
 - facilitate expeditious communication among States/Administrations.

Database (Cont'd)

- To date, 24 States/Administrations have provided input to the database to update their contact information:
 - Australia, Bangladesh, Bhutan, Brunei Darussalam, Cambodia, China, France, Hong Kong China, India, Indonesia, Japan, Macao China, Malaysia, Maldives, Mongolia, Myanmar, Nepal, New Zealand, Papua New Guinea, Philippines, Republic of Korea, Singapore, Sri Lanka and Thailand

APAC Regional Office Combined Action Team

- The objective is to support APAC States with Effective Implementation (EI) below the global average of 60%`in the USOAP Audit:
 - in enhancing their capabilities to effectively use the ICAO CMA On-Line Framework; and
 - in addressing the non-satisfactory protocol questions which will improve the EI of the State's Safety Oversight System.

APAC CAT (Cont'd)

- Tailor-made for States. Each CAT comprises 4-5 experts in areas where EIS are low.
- The focus/services by APAC CAT may include:
 - Assessments and gap analysis
 - Capacity building
 - Training - Understanding the PQs and expectations
 - Workshop on use of CMA OLF
 - Expert advice and guidance on implementation

First Asia Pacific Ministerial Conference

- Held in Beijing, China from 31 January to 1 February 2018.
- The Beijing Declaration endorsed by the Conference focused on four areas, viz. Aviation Safety, Collaboration, Accident Investigation and Human Resource Development.

First Asia Pacific Ministerial Conference

- **Beijing Declaration** → Commitment to:
 - either **establish an accident investigation authority** that is independent from State aviation authorities and other entities that could interfere with the conduct or objectivity of an investigation or where appropriate **develop a bilateral, sub-regional or regional partnership** to support the establishment of accident investigation capabilities to serve the Region, sub-region or State
 - establish **access to quality training** and encourage **sharing of resources** bilaterally and/or multilaterally as well as with industry partners

Main Thrusts of APAC-AIG

In line with the Beijing Declaration, and with the support of RASG-APAC, APAC-AIG will continue to pursue the following aims:

- To encourage States/Administrations to establish an independent accident investigation authority, as well as the related investigation system and procedures; and
- To develop training opportunities to enhance:
 - Accident investigation capabilities of the States/Administrations; and
 - Professionalism of States/Administrations' investigators

Main Thrusts of APAC-AIG (Cont'd)

Accordingly, APAC-AIG will continue to endeavour to:

- (1) Develop and promote a regional accident/incident investigation cooperative framework - *Asia Pacific Code of Conduct on Cooperation Relating to Civil Aviation Accident/Incident Investigation*
- (2) Develop and maintain a *Database of APAC Accident Investigation Authorities* in order to strengthen coordination between States/Administrations
- (3) Conduct surveys of accident investigation training needs and identify States/Administrations that are able to deliver the training

Main Thrusts of APAC-AIG (Cont'd)

- (4) Disseminate accident/incident investigation related communications from ICAO and other regions to States/Administrations in the APAC region
- (5) Support ICAO APAC Office and RASG-APAC in their efforts to enhance APAC States/Administrations' investigation capabilities

Asia Pacific Regional Aviation Safety Plan (AP-RASP)

- As requested by RASG-APAC, APRAST formulated an AP-RASP which was endorsed by RASG-APAC.
- AP-RASP includes two AIG targets by 2022:
 - **States should achieve at least 75% EI in AIG of USOAP CMA, and an APAC average USOAP EI score in AIG higher or equal to the global average.**
 - **States should establish an independent accident and incident investigation authority (AIIA) as required by Annex 13, as well as related investigation system and procedures.**

Enhancing Accident Investigation Capabilities

- Training opportunities since 2019:
 - SAA Aircraft Accident Investigation Course, 11-22 February 2019 and 25 February-8 March 2019
 - Rolls-Royce Engine Familiarisation Training, Singapore, 2-5 July 2019
 - ICAO APAC Regional Workshop on Underwater Aircraft Accident Investigation, Malaysia, 24-25 July 2019
 - SAA Establishing & Operating an Aircraft Accident and Incident Investigation Authority Course, 29 July-2 August 2019

Enhancing Accident Investigation Capabilities (Cont'd)

- Embraer E-Jets Familiarisation and Investigation Training, Singapore, 24-26 September 2019
- Fire Investigation Training, Jakarta, 29-31 October 2019
- IFALPA Accident Analysis & Prevention Meeting, Singapore, 12-14 November 2019
- SAA Stare Safety Programme Implementation Course, 3-7 February 2020
- COSCAP-SEA Regional Workshop on Aircraft Accident and Incident Investigation Authority, Bangkok, 18-21 February 2020

Next APAC-AIG Meetings

APAC-AIG/8 in 2020

- To be hosted by Aircraft Accident Investigation Bureau, India
- Likely date – September/October 2020
- Venue – TBD

APAC-AIG/9 in 2021

- To be hosted by Accident Investigation Commission, Papua New Guinea

Thank You