



INTERNATIONAL CIVIL AVIATION ORGANIZATION

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

TOKYO, JAPAN, 1 – 2 SEPTEMBER 2016

**RECORD OF DISCUSSIONS AND
CONCLUSIONS**

The views expressed in this Report should be taken as those of the
APAC-AIG and not of ICAO.

Adopted by APAC-AIG and
published by the ICAO Asia and Pacific Office

**Fourth Meeting of the Asia Pacific – Accident Investigation Group
(APAC – AIG/4)**

**1 -2 September 2016
Tokyo, Japan**

RECORD OF DISCUSSIONS AND CONCLUSIONS

1. Meeting and Attendance

1.1 The APAC – AIG/4 Meeting was held at Keio Plaza Hotel, Tokyo, Japan on 1 – 2 September 2016.

1.2 The APAC – AIG/4 Meeting was attended by 50 participants from 21 Member States/Administrations, i.e. Australia, Bangladesh, Brunei Darussalam, Cambodia, China, Hong Kong China, Macao China, France, India, Indonesia, Japan, Malaysia, Mongolia, Myanmar, Nepal, Papua New Guinea, Philippines, Republic of Korea, Singapore, Sri Lanka, Thailand and three International Organization/Industry Partners, i.e. ICAO, IFALPA and Airbus.

1.3 The list of participants is in **Attachment A**.

2. Opening Session

2.1 Mr. Toru Miyashita, Board Member, Japan Transport Safety Board, delivered the welcome address.

2.2 Mr. Chan Wing Keong, Chairman APAC-AIG, made the opening remarks.

3. Introduction of Participants

3.1 The delegates were requested to introduce themselves.

4. Meeting Arrangements and Adoption of Agenda

4.1 Meeting Arrangements

4.1.1 The meeting was chaired by Mr. Chan Wing Keong, Chairman APAC-AIG, and Dr. Richard Batt, Vice-Chairman APAC-AIG.

4.1.2 Mr. Michael Goodfellow, ICAO Safety Management Officer, acted as Secretariat to the meeting.

4.2 Adoption of Agenda (WP/1) - Chairman

4.2.1 The following agenda was proposed and adopted. The meeting agreed to the Chairman's request that the papers for Agenda 6 be included in the discussion of Agenda 3.

Agenda Item 1: Review of the decision by APRAST in respect of the
conclusion of APAC – AIG/3

Agenda Item 2: Update on ICAO initiatives

Agenda Item 3: New initiatives to assist States in improving the Effective Implementation rate

Agenda Item 4: Regional Cooperation

Agenda Item 5: AIG Developments in Member States

Agenda Item 6: Action plan to improve the Accident/Incident investigation capability in the APAC Region

Agenda Item 7: Other Business

5. Agenda Item 1: Review of the decision by APRAST in respect of the conclusion of APAC-AIG/3

5.1 Review of Decision by APRAST/8 (WP/2) – Chairman

5.1.1 This paper reported on the conclusions/decisions of the APRAST at its Eighth Meeting in Bangkok, Thailand on 28 March – 1 April 2016. The meeting noted the contents of the paper, in particular the APRAST's task to the APAC-AIG to identify potential initiatives to help improve accident investigation capabilities and USOAP AIG Effective Implementation (EI) rates of States/Administrations.

5.2 Update from RASG-APAC/6 (WP/3) – Chairman

5.2.1 This paper updated the meeting on the conclusions made by the RASG-APAC/6 relating to accident investigation. The meeting noted that the ICAO APAC Regional Office will include the establishment of an independent accident investigation authority in the monitoring mechanism on the compliance with ICAO SARPs.

6. Agenda Item 2: Update on ICAO initiatives

6.1 ICAO APAC Combined Action Team (IP/2) – Secretariat

6.1.1 This paper reported on the initiative undertaken by the ICAO APAC Regional Office to assist APAC States/Administrations in improving ICAO USOAP audit EI rate. The meeting noted the contents of the paper.

6.2 Amendment 15 to Annex 13 (IP/3) – Secretariat

6.2.1 This paper drew the States/Administrations' attention to Amendment 15 to Annex 13. ICAO has set the following implementation timeline:

- a) Establishment of an accident investigation authority – Six months to two years; and
- b) Implementation of enhanced protection of investigation records – One to two years

6.2.2 Accordingly, States/Administrations will not be assessed on the new Standards until January 2018 at the earliest. However, States/Administrations are still required to file for differences if they are unable to meet the new Standards by 10 November 2016.

6.3 The importance of an independent aviation safety investigation authority (WP/4) – Australia

6.3.1 This paper highlighted that the ICAO's requirement to have an independent aviation safety investigation authority will become effective on 10 November 2016. The paper also addressed some arguments that might be raised to suggest that having a separate independent aviation safety investigation authority is not practicable.

6.3.2 France volunteered to share the following documents, after translation to English where applicable, to assist States in setting up an independent investigation agency:

- a) European Regulation No. 996/2010 on the investigation and prevention of accidents and incidents in civil aviation; and
- b) Coordination procedures between the BEA and French Judicial authorities in the protection of information.

7. Agenda Item 3: New initiatives to assist States in improving the Effective Implementation rate

7.1 Improving USOAP Audit Effective Implementation Rate (WP/5) – Singapore

7.1.1 This paper was in response to a decision of the APRAST at its Eighth Meeting on 28 March – 1 April 2016 to identify potential initiatives to help improve accident investigation capabilities and USOAP AIG EI rates of States/Administrations.

7.1.2 The meeting supported the idea of having a suite of training to assist States/Administrations to improve the USOAP AIG EI rate as proposed in the paper.

7.1.3 The meeting developed the following conclusions:

Conclusion APAC-AIG 4/1

that, APRAST consider requesting the ICAO APAC Regional Office to initiate a suite of training as per **Attachment B** to assist States/Administrations to improve the USOAP AIG EI rate.

8. Agenda Item 4: Regional Cooperation

8.1 On-site FDR Technical Workshop (IP/4) – Macao, China

8.1.1 This paper highlighted the On-site FDR Technical Workshop conducted by the Air Accident Investigation Bureau (AAIB) of Singapore on 27 - 28 June 2016 at the Civil Aviation Authority in Macao, China. The meeting noted that the *Asia-Pacific Code of Conduct on Cooperation Relating to Civil Aviation Accident/ Incident Investigation* (CoC) could facilitate sharing sessions, and observer and OJT attachments.

8.2 Observer Attachment to AAIB Investigation (IP/5) – Macao, China

8.2.1 This paper highlighted the observer attachment to the AAIB Singapore during the course of a recent investigation. The meeting noted the benefits of observer attachment.

8.3 Rolls Royce Large Gas Turbine General Familiarization Training Course (IP/6) – Singapore

8.3.1 This paper highlighted the benefits of specific training customized to address the needs of safety investigation agencies. The AAIB Singapore and Rolls Royce organized the course for safety investigation agencies on 24 – 27 May 2016. This training was attended by 16 participants from eight countries including Singapore. The meeting noted the value of cooperation between the industry and safety investigation agencies within the APAC region.

8.4 Benefits of Cooperation (IP/12) – Cambodia

8.4.1 This paper highlighted an example of cooperation project that may be initiated in the spirit of investigation cooperation embodied in the CoC. The meeting noted the possibility for a State to seek assistance from other States under the CoC in order to build up its aircraft accident and incident investigation capabilities and strengthen its investigation systems.

8.4.2 France informed the meeting of a Peer Review system in Europe whereby a safety investigation agency is reviewed by other EU investigation agencies.

9. Agenda Item 5: AIG Developments in Member States

9.1 Third International Accident Investigation Forum (IP/7) – Singapore

9.1.1 This paper reported on the Third International Accident Investigation (IAI) Forum that was held in Singapore on 19 – 21 April 2016. The meeting noted that the Fourth IAI Forum is tentatively scheduled for April 2019.

9.2 Third Workshop on Underwater Search of Flight Recorders (IP/8) – Singapore

9.2.1 The meeting noted that Singapore plans to hold a Third Workshop on Underwater Search of Flight Recorders on 10 – 11 January 2017.

9.2.2 France also informed the meeting that they will conduct a test using the 8.8 kHz underwater locator beacon in 2017.

9.3 Singapore's Transport Safety Investigation Bureau (IP/9) – Singapore

9.3.1 The meeting was informed that the Transport Safety Investigation Bureau (TSIB) was formed after the expansion of the AAIB Singapore to include marine safety investigations.

9.4 Fourth Informal Meeting of ASEAN Chief Aircraft Accident Investigators and Senior Investigation Officials (IP/10) – Singapore

9.4.1 The meeting was informed that representatives of ASEAN Member States attending the IAI Forum met informally on the sidelines of the Forum and noted the efforts of investigators in ASEAN Member States to collaborate in building up and strengthening their aircraft accident and incident investigation capabilities.

9.5 Investigation in High Altitude Environment (IP/11) – China

9.5.1 The meeting noted that the Civil Aviation Administration of China is developing a special investigation procedure manual that provides guidance to investigators working on high altitude accident sites.

- 9.6 AIG Development Report in Japan (IP/13) – Japan
- 9.6.1 The meeting noted JTSB’s investigation statistics and activities in 2015.
- 9.7 Establishment of an Independent Aircraft Accident Investigation Bureau (AAIBSL) (IP/14) – Sri Lanka
- 9.7.1 The meeting noted Sri Lanka’s experience in the establishment of an independent accident investigation bureau.
- 9.8 PNG Accident Investigation Commission (IP/15) – Papua New Guinea
- 9.8.1 The meeting noted PNG’s further developments in the AIC and its investigation capabilities.
- 9.9 Establishment of an Air Accident Investigation Bureau (Ad hoc presentation) – Malaysia
- 9.9.1 The meeting noted Malaysia’s experience in the establishment of its accident investigation agency and its recent USOAP CMA audit activities.
- 9.10 Establishment of the Health, Safety, Security, Environment & Investigation (HSSE&I) Division (Ad hoc presentation) – Brunei Darussalam
- 9.10.1 The meeting noted Brunei Darussalam’s experience in the establishment of an independent investigation division.

10. Agenda Item 6: Action plan to improve the Accident/Incident investigation capability in the APAC Region

- 10.1 Training for Enhancement of Investigation Capabilities (WP/7) – Singapore
- 10.1.1 This paper was in response to a decision of the APRAST at its Eighth Meeting on 28 March – 1 April 2016 to identify potential initiatives to help improve accident investigation capabilities and USOAP AIG EI rates of States/Administrations.
- 10.2 The meeting developed the following conclusion:

Conclusion APAC-AIG 4/2

that, APRAST consider requesting ICAO APAC Regional Office to conduct a survey among APAC States/Administrations to ascertain the training demands for the topics listed in **Attachment C**.

- 10.3 Ensuring Implementation of Safety Recommendation under Annex 13 (WP/8) – Bangladesh

Upgrading Recommended Practices 6.11 and 6.12 of Annex 13 to Standards

- 10.3.1 The meeting supported the proposal to upgrade the Recommended Practices 6.11 and 6.12 of Annex 13 to Standards.

10.3.2 France informed the meeting that this proposal is also under consideration by the ICAO Accident Investigation Panel (AIGP).

10.4 The meeting developed the following conclusion:

Conclusion APAC-AIG 4/3

that, ICAO APAC Regional Office conveys to the Secretary of the ICAO Accident Investigation Panel (AIGP) that the APAC-AIG supports upgrading Recommended Practices 6.11 and 6.12 of Annex 13 to Standards.

Categorization of Safety Recommendations

10.4.1 The meeting reflected on the various options regarding the categorization of safety recommendations. However, no consensus could be reached.

10.5 Airbus Training for Enhancement of Safety Investigation (WP/9) – Airbus

10.5.1 The meeting noted Airbus' support on accident investigation, its crisis management capabilities and its investigation team logistics. The meeting noted Airbus' invitation to attend its annual accident investigation training.

10.6 Updates to work plan (WP/6) – Chairman

10.6.1 The meeting noted the updated APAC-AIG work plan as attached in **Attachment D**.

11. Agenda Item 7: Other Business

11.1 ICAO dissemination of State Letters

11.1.1 While many States reported difficulty in obtaining AIG-specific State Letters, the meeting noted the practical necessity of having a single point of contact for each State for the dissemination of State Letters. Individuals are encouraged to apply for access to ICAO-NET secure portal where they can access ICAO documents and correspondence.

11.1.2 State/Administrations were reminded to update the ICAO directory of accident investigation authority addresses at AIG@icao.int.

11.2 Database and CoC updates – Chairman

11.2.1 The Chairman updated the meeting that as of 1 August 2016, 21 States/Administrations provided input to the database, i.e. Australia, Bangladesh, Cambodia, China, Hong Kong China, Macao China, France, Japan, India, Indonesia, Maldives, Mongolia, Myanmar, Nepal, New Zealand, Papua New Guinea, Philippines, Republic of Korea, Singapore, Sri Lanka and Thailand.

11.2.2 The Chairman updated the meeting that as of 1 August 2016, 18 States/Administrations have pledged their support to the CoC, i.e. Australia, Bangladesh, China, Hong Kong China, Macao China, France, Indonesia, Japan, Lao PDR, Maldives, Mongolia, Myanmar, New Zealand, Philippines, Republic of Korea, Singapore, Sri Lanka and Thailand.

11.2.3 The Chairman urged States/Administrations which have yet to provide input to the database or pledge support to the CoC to consider doing so.

11.3 Developing Computer-Based Training (CBT) for accident investigation competency training – Bangladesh

11.3.1 Bangladesh suggested that the meeting consider the possibility of developing CBT for accident investigation based on various level of competency, recognizing that most investigation training is normally of a more practical nature.

11.3.2 The meeting noted that the Secretariat will bring the request to the attention of the ICAO Global Aviation Training Section.

12. Date and Venue for APAC-AIG/5

12.1 The date and venue for the APAC-AIG/5 will be decided later.

13. Adoption of Conclusions

13.1 The APAC-AIG adopted the Conclusions.

14. Closing of the Meeting

14.1 The Chairman thanked the meeting participants for their contributions.

List of Attendance
ICAO APAC AIG/4 Meeting
Tokyo, Japan, 1 September - 2 September 2016

State/Name		Title/Organization	Tel/Fax Number	e-mail
1. Australia				
	1.	Mr. Richard Batt	Manager for International Affairs Australian Transport Safety Bureau	+61-2-6274-6404 richard.batt@atsb.gov.au
	2.	Mr. Charles N Davies	ATSB Liaison Officer Civil Aviation Safety Authority	+61-7-3144-7550 Charles.Davies@casa.gov.au
2. Bangladesh				
	1.	Mr. MD. Ayub Khan	Assistant Director (SAR) & Member Aircraft Accident Investigation Group - Bangladesh	Tel : (880) 1718152577 Fax : (880) 28901418 MemAGA.AAIG@caab.gov.bd
	2.	Mr. Salahuddin M Rahmatullah	Senior Consultant, CFI & Head of Aircraft Accident Investigation Group - Bangladesh	Tel : (880) 1715027508 Fax : (880) 28901418 Head.AAIG@caab.gov.bd
	3.	Mr. Mohammad Shafiul Azam	Inspector of Aircraft & Safety Investigator Aircraft Accident Investigation Group - Bangladesh	Tel : (880) 1819154744 Fax : (880) 28901418 MemAIR.AAIG@caab.gov.bd
	4.	Mr. Mohammad Mostafizur Rahman	Member, Operations & Planning, Civil Aviation Authority, Bangladesh	Tel : (880) 28901405 Fax : (880) 28901428 mops@caab.gov.bd
	5.	Mr. Abul Kalam Shamsuddin	Project Director (Joint Secretary) Ashrayan Project-2, Prime Minister's Office	Tel : (880) 29124100 Fax : (880) 29129810 ashrayanpmo@gmail.com
	6.	Mr. Nirjhar Deb Nath	Inspector of Aircraft & Member Secretary Aircraft Accident Investigation Group - Bangladesh	Tel : (880) 1717876086 Fax : (880) 28901418 nirjhar@dfsraab.gov.bd
3. Brunei Darussalam				
	1.	Mr. Chun Heng Wong	Operations Officer (Air Accident Investigation Coordinator) HSSE & Investigation Division Ministry of Communication	Tel : +673-2383838 Ext1155 Fax : +673-2380884 chun.wong@mincom.gov.bn
4. Cambodia				
	1.	Mr. Thyrih Lorn	Director of Air Accident Investigation Unit State Secretariat of Civil Aviation	Tel : (855) 23 890 463 Fax : (855) 23 890 194 thyrihlorn@gmail.com.kh
	2.	Mr. Seihakpong Khiev	Deputy Director of Air Accident Investigation Unit State Secretariat of Civil Aviation	Tel : (855) 23 890 463 Fax : (855) 23 890 194

List of Attendance
ICAO APAC AIG/4 Meeting
Tokyo, Japan, 1 September - 2 September 2016

State/Name		Title/Organization	Tel/Fax Number	e-mail
5. China				
1.	Mr. Li Chen	Deputy Assistant Division Chief China Civil Aviation Administration	Tel : +86-10-6409-2909 Fax : +86-10-6401-9972	chenli@caac.gov.cn
2.	Ms. Xin Yao	Engineer China Academy of Civil Aviation Science and Technology	Tel : +86-10-6448-1612 Fax : +86-10-6448-1587	yaox@mail.castc.org.cn
7. Hong Kong, China				
1.	Mr. K C Man	Deputy Chief Inspector of Accidents Hong Kong Civil Aviation Department	Tel : (852) 2910-6031 Fax : (852) 2362-4250	kcmman@cad.gov.hk
2.	Ms. Laura Chu	Operations Officer (Accident Investigation) Hong Kong Civil Aviation Department	Tel : (852) 2910-6158 Fax : (852) 2326-3654	Lmschu@cad.gov.hk
12. Macao, China				
1.	Ms. Mei Teng Lai	Assistant Safety Officer Civil Aviation Authority Macao	Tel : (853) 2851-1213 Fax : (853) 2833-8089	tammylai@aacm.gov.mo
2.	Mr. Qian Luo	Assistant Safety Officer Civil Aviation Authority Macao	Tel : (853) 2851-1213 Fax : (853) 2833-8089	bryanluo@aacm.gov.mo
6. France				
1.	Ms. Martine Del Bono	Head of INFO and COM Department Bureau d'Enquêtes et d'Analyses	Tel : +33.1.49.92.72.67 Fax : +33.1.49.92.72.03	martine.delbono@bea.aero
2.	Mr. Philippe Plantin de Hugues	Special Adviser on International Affairs (Senior Safety Investigator) Bureau d'Enquêtes et d'Analyses	Tel : +33.6.23.75.03.71 Fax : +33.1.49.92.72.03	pph@bea.aero
8. India				
1.	Mr. Bir Singh Rai	Joint Director General Aircraft Accident Investigation Bureau Ministry of Civil Aviation, India	+91-11-24654017	bsrai.dgca@nic.in raibir.dgca@gmail.com

List of Attendance
ICAO APAC AIG/4 Meeting
Tokyo, Japan, 1 September - 2 September 2016

State/Name		Title/Organization	Tel/Fax Number	e-mail
9. Indonesia				
1.	Dr. Soerjanto Tjahjono	Chairman Komite Nasional Keselamatan Transportasi	+62-21-3517606	soerjanto.tjahjono@dephub.go.id
2.	Capt. Nurcahyo Utomo	Head of Aircraft Accident Investigation Subcommittee Komite Nasional Keselamatan Transportasi	+62-21-3517606	nurcahyo.utomo@dephub.go.id
10. Japan				
1.	Mr. Kazuhiko Hirai	Investigator-General for Aircraft Accident Japan Transport Safety Board	Tel : +81-3-5253-8814 Fax : +81-3-5253-1677	hirai-k10pt@mlit.go.jp
2.	Mr. Yasuhiro Yamada	Deputy Investigator-General for Aircraft Accident Japan Transport Safety Board	Tel : +81-3-5253-8814 Fax : +81-3-5253-1677	yamada-y01kw@mlit.go.jp
3.	Mr. Norifumi Onodera	Aircraft Accident Investigator Japan Transport Safety Board	Tel : +81-3-5253-8814 Fax : +81-3-5253-1677	taniguchi-t2uq@mlit.go.jp
4.	Mr. Kyotaro Harano	Director for International Affairs Japan Transport Safety Board	Tel : +81-3-5253-8824 Fax : +81-3-5253-1680	harano-k2pc@mlit.go.jp
5.	Mr. Toru Miyashita	Board Member Japan Transport Safety Board	Tel : +81-3-5253-8824 Fax : +81-3-5253-1680	miyashita-t2k7@mlit.go.jp
6.	Mr. Tatsutsugu Oki	Deputy Director for International Affairs Japan Transport Safety Board	Tel : +81-3-5253-8824 Fax : +81-3-5253-1680	oki-t10rq@mlit.go.jp
7.	Mr. Masato Tamate	Chief of the International Cooperation Section Japan Transport Safety Board	Tel : +81-3-5253-8824 Fax : +81-3-5253-1680	tamate-m53fd@mlit.go.jp
13. Malaysia				
1.	Mr. Yahaya Bin Abdul Rahman	Chief Inspector of Air Accident Air Accident Investigation Bureau of Malaysia	Tel : +603-8892-1071 Fax : +603-8888-0163	yahaya@mot.gov.my
14. Mongolia				
1.	Mr. Tsolmon Jigjid	Director and General Investigator Air Accident Investigation Bureau of Mongolia	Tel : (976) 11282026 Fax : (976) 70049974	tsolmon@aaib.gov.mn
2.	Mr. Chinzorig Bazargur	Aircraft Accident Investigator Air Accident Investigation Bureau of Mongolia	Tel : (976) 11285028 Fax : (976) 70049974	chinzorig@aaib.gov.mn

List of Attendance
ICAO APAC AIG/4 Meeting
Tokyo, Japan, 1 September - 2 September 2016

State/Name		Title/Organization	Tel/Fax Number	e-mail
15. Myanmar				
1.	Mr. Aung Maw	Deputy Director, Investigator in charge Myanmar Aircraft Accident Investigation Bureau	Tel : (951) 533162 Fax : (951) 533000	aungmaw23@gmail.com
16. Nepal				
1.	Mr. Suresh Acharya	Joint Secretary Air Accident Investigation Commission	Tel : +977-1-4211847 Fax : +977-1-4211758	suhacharya@gmail.com
17. Papua New Guinea				
1.	Capt. David Inau	Chief Executive Officer Accident Investigation Commission of Papua New Guinea	Tel : +675-323-2911 Fax : +675-323-2139	ceo@aic.gov.pg
18. Philippines				
1.	Mr. Francisco L. Najera, Jr.	Acting Chief Aircraft Accident Investigation & Inquiry Board	+632-944-2141 to 2143	fnajerajr@caap.gov.ph
2.	Mr. Reineer Y. Baculinao	Aircraft Accident Investigator Aircraft Accident Investigation & Inquiry Board	+632-944-2141 to 2143	rybaculinao@caap.gov.ph
11. Republic of Korea				
1.	Mr. Geun-su Kim	Director General Aviation and Railway Accident Investigation Board of Korea	Tel : +82-44-201-5422 Fax : +82-44-201-5696	kimsop@korea.kr
2.	Mr. Myung-soo Kim	Senior Investigator Aviation and Railway Accident Investigation Board of Korea	Tel : +82-44-201-5436 Fax : +82-44-201-5698	pilotmsk@korea.kr
3.	Mr. Jong-woo Kim	Assistant Director Aviation and Railway Accident Investigation Board of Korea	Tel : +82-44-201-5428 Fax : +82-44-201-5696	ddoong82@korea.kr
4.	Ms. Min-jeong Kim	English Affairs Coordinator Aviation and Railway Accident Investigation Board of Korea	Tel : +82-44-201-5432 Fax : +82-44-201-5696	flyingmin@korea.kr

List of Attendance
ICAO APAC AIG/4 Meeting
Tokyo, Japan, 1 September - 2 September 2016

State/Name		Title/Organization	Tel/Fax Number	e-mail
19. Singapore				
1.	Mr. Wing Keong Chan	Director Transport Safety Investigation Bureau of Singapore	Tel : +65-6595-6010 Fax : +65-6542-2394	chan_wing_keong@mot.gov.sg
2.	Mr. David Lim	Head of Training / Senior Investigator Transport Safety Investigation Bureau of Singapore	Tel : +65-6541-3010 Fax : +65-6542-2394	david_lim@mot.gov.sg
3.	Ms. Min Li Pang	Senior Investigator Transport Safety Investigation Bureau of Singapore	Tel : +65-6541-3011 Fax : +65-6542-2394	pang_min_li@mot.gov.sg
20. Sri Lanka				
1.	Ms. Samudra L. Chandraratne	Manager of Aircraft Accident Investigation Civil Aviation Authority of Sri Lanka	Tel : +94-112-358820 Fax : +94-112-304697	mgraaii@caa.lk
21. Thailand				
1.	Ms. Weena Nudin	Chief of Aircraft Accident Prevention & Investigation Group	Tel : +66-2286-2933 Fax : +66-2286-2925	weena.n@mot.go.th
2.	Ms. Sutatip Jairak	Aviation Safety Inspector of Aircraft Accident Prevention & Investigation Group, Member and Assistant Secretary of the Aircraft Accident Investigation Committee, Thailand	Tel : +66-2286-2933 Fax : +66-2286-2925	sutatip.j@mot.go.th
22. AIRBUS				
1.	Mr. Thoreau Thierry	Director of Flight Safety (Accident Investigator) AIRBUS Toulouse	+33-561-934-954	thierry.thoreau@airbus.com
23. ICAO				
1.	Mr. Michael Goodfellow	Technical officer AIG/ANB ICAO Headquater	+1 (514) 954-8219 ext 6149	mgoodfellow@icao.int
24. IFALPA				
1.	Capt. Md Ishtiaque Hossain	Regional Vice President (Asia/West)	+880-1711-534710	ishtiaquehossain1@gmail.com

Suite of training

S/N	Area	Training modules
1	PQs	a. Understanding what the PQs are aiming at
2	Documentation of legislation amendment	a. Developing policies and procedures to address PQs' requirements b. Compiling of amendment table c. Amendment process
3	Documentation of the investigation process	a. Filling up and dispatching of notification form to ICAO, State of Registry, State of the Operator, State of Manufacturer, State of Design, etc. b. Appointing investigator-in-charge (IIC) and team members / Drafting of appointment letter c. Drafting of preliminary report d. Organisation of investigation team / Deciding on team set-up e. Conduct of investigation meetings f. Medical and toxicology examinations of persons involved g. Recorder readout process and considerations h. Special examinations (e.g. disassembly, laboratory tests, manufacturer's inspections and tests) i. Developing checklists of information to be gathered from cabin crew members and passengers j. Identifying storage areas for aircraft wreckage k. Formulating safety recommendations l. Consultation process for Draft Final Report / Drafting of transmittal correspondence m. Processing and documenting of comments received / Finalising Final Report n. Dissemination of Final Report / Drafting of transmittal correspondence o. Publication of investigation Final Report p. Tracking responses to safety recommendations q. Review of safety actions taken in response to safety recommendations r. Developing checklists for guiding IIC and investigators through the investigation process (from initial notification to issuance of final report)
4	Training system, plan and programme	a. Training objectives b. Initial, recurrent and on-the-job training plan c. Establishing training needs matrix d. Developing checklists for documenting practical training achievements e. Maintaining training records
5	Investigation manpower	a. Volunteer investigators b. Regional cooperation c. Assistance MOUs

APAC – AIG/4
Record of Discussions and Conclusions

6	Coordination with external agencies	a. Coordination with counterpart agencies – Joint Standing Operation Procedures (SOP), MOUs, etc., with CAA, airport authority, ATC, police, judicial authority, maritime administrations, search and rescue body, military (e.g. air force, navy), etc.
7	Administration of an accident investigation unit	a. Day-to-day running b. Duty officer system c. Immunisation for investigators d. Attachment to established accident investigation unit
8	Showing compliance with PQs' requirements	a. Organisation of evidence and documents needed for the USOAP audit

List of Basic Training

- a. Comprehensive understanding of Annex 13 protocol
- b. Investigation management
- c. Accident site control, management and safety
- d. Wreckage and debris mapping
- e. Preservation and documenting of evidence
- f. Investigator's equipment and protective clothing
- g. Photography for investigators
- h. Interviewing techniques
- i. Readout of flight recorders
- j. Investigation of flight operations
- k. Investigation of aircraft maintenance and engineering aspects
- l. Investigation of human factors
- m. Investigation of crashworthiness
- n. Investigation of cabin safety
- o. Investigation of airport factors
- p. Investigation of organizational and management factors
- q. Making safety recommendations
- r. Investigation report writing
- s. Crisis management (news media / family assistance)
- t. Underwater search and recovery of flight recorders
- u. Dangerous goods accident investigation
- v. Electronics systems investigation
- w. EGPWS and TCAS investigation
- x. Fire and explosion investigation

— — — — —

APAC – AIG/4
Record of Discussions and Conclusions

Attachment D

APAC – AIG Work Plan

Date	Activities / Events	APAC-AIG Meeting	ICAO Regional Workshop	AsiaSASI Workshop	ISASI Annual Seminar	International Accident Investigation Forum	ICASS Meeting	Creation of AIU Database	Workshop on Cabin Safety Investigation	1st Asian Turbomeca Engine Seminar	Advanced Investigation Training	Workshop on Underwater Search of Flight Recorders	Aircraft Accident Site Safety Workshop	ECCAIRS In-house Training	HF and Org Mgmt Investigation Training	Manufacturer's Investigation Training
2015		23-24 Jun Sri Lanka	25-26 Jun Sri Lanka		24-27 Aug Augsburg		19-23 Oct Cologne	Database expansion							16-20 Nov Singapore	
2016	Q1															
	Q2					19-21 Apr Singapore										
	Q3	1-2 Sep Tokyo		30-31 Aug Tokyo			17 - 21 Oct Tianjin									
	Q4				3-6 Oct Reykjavík											
2017	Q1								Proposed			10 - 11 Jan Singapore				
	Q2	Proposed	Proposed													Airbus May Toulouse
	Q3				21-24 Aug San Diego											
	Q4															

— END —