

INTERNATIONAL CIVIL AVIATION ORGANIZATION



REPORT OF THE SEVENTH MEETING OF THE REGIONAL AVIATION SAFETY GROUP ASIA AND PACIFIC REGIONS (RASG-APAC/7)

Bangkok, Thailand, 3 to 5 July 2017

The views expressed in this Report should be taken as those of the RASG-APAC and not of the Organization. This Report will be presented to the Air Navigation Commission and the Council, as needed, and any formal action taken will be published in due course as a supplement to the Report.

Approved by the Meeting
and published by the ICAO Asia and Pacific Office, Bangkok

Table of Contents

1.	Meeting and Registration.....	i
2.	Opening Session	i
3.	Meeting Arrangement	ii
4.	Decisions and Conclusions	ii
	AGENDA ITEM 1: ADOPTION OF AGENDA	1
	AGENDA ITEM 2: FOLLOW-UP ON OUTCOME OF RASG-APAC/6	1
	AGENDA ITEM 3: APRAST OUTS FOR RASG CONSIDERATION AND APPROVAL.....	2
	AGENDA ITEM 4: MEMBER STATE / INDUSTRY / ICAO PRESENTATIONS.....	6
	AGENDA ITEM 5: RASG-APAC YEARLY/STANDING WORKING PROGRAMME 2017-2018	10
	AGENDA ITEM 6: WORKSHOP ON GLOBAL AVIATION SAFETY PLAN (GASP).....	10
	AGENDA ITEM 7: DISCUSSION OF CHALLENGES AND ISSUES FACED BY RASG-APAC MEMBER ON ASIA AND PACIFIC REGIONAL AVIATION SAFETY PRIORITIES AND TARGETS AND OTHER ISSUES	11
	AGENDA ITEM 8: ANY OTHER BUSINESS.....	11
	CLOSING OF THE MEETING	11

ATTACHMENTS

Attachment A	List of Participants
Attachment B	List of Papers
Attachment C	List of Decisions and Conclusions
Attachment D	RASG-APAC 2017/2018 Yearly and Standing Work Programme
Attachment E	Summary of Discussion – Enhancing the Capacity of CAA Inspectors Discharging the Regulatory Oversight Functions

1. Meeting and Registration

1.1. The Seventh Meeting of the Regional Aviation Safety Group – Asia and Pacific Regions (RASG-APAC/7) was held at the ICAO Asia and Pacific Office, Bangkok, Thailand on 3 to 5 July 2017.

1.2. The Meeting was attended by 88 participants from 20 Member States/Administrations i.e. Australia, Bangladesh, Bhutan, Cambodia, China, Hong Kong (China), Macao (China), Fiji, France (New Caledonia), India, Indonesia, Japan, Malaysia, New Zealand, Philippines, Republic of Korea, Singapore, Sri Lanka, Thailand, United States and 9 International Organizations/Industry Partners namely, Association of Asia Pacific Airlines (AAPA), Airports Council International (ACI), Civil Air Navigation Services Organization (CANSO), International Air Transport Association (IATA), International Federation of Air Line Pilots' Associations (IFALPA), Airbus, European Aviation Safety Agency (EASA), Flight Safety Foundation, Pacific Aviation Safety Office (PASO). A list of participants is at **Attachment A** to the Report.

2. Opening Session

2.1. Mr. H. M. C. Nimalsiri, Director General & Chief Executive Officer, Civil Aviation Authority of Sri Lanka and Chairman of RASG-APAC welcomed the delegates from the Member States/Administrations, International Organizations and Industry Partners to the Meeting. RASG-APAC Chair reminded the Meeting on how RASG-APAC was established and its purpose. He envisages that economies of States in the Asia Pacific region will prosper, provided that the States take timely measures to sustain safety, security, efficiency, regularity and environmental for the travelling public. He also highlighted emerging challenges like proliferation of drones / UAV, cyber-attacks and urges States to act in such a way as to mitigate the risk posed by cyber threats, to build their capability and capacity to address such threats in civil aviation. Chairman of RASG-APAC reiterated the huge responsibility to sustain and foster further what the aviation system has achieved to date and hope that participants take the opportunity not only to discuss the Working papers and to review Information Paper but also to find time outside scheduled time of meeting to share experience, build new contact and renew the old ties.

2.2. Mr. Arun Mishra, the Regional Director, ICAO Asia and Pacific Office welcomed and thanked all the participants and the organizations for their participation in this Meeting. He highlighted the importance of the safety aspect in aviation business and expressed ICAO's sincere appreciation of the work done by the Co-Chairs of APRAST and also the Chairs and Members of the subsidiary bodies. Examples of activities and initiatives that have been implemented to assist APAC States were provided. He touched on the concern on the low level of responses from States to RASG surveys. As RASG activities are data driven, the lack of comprehensive feedback undermines meaningful RASG decision making, especially, on items that are dependent on State's inputs. He also highlighted the concern on inconsistency in attendance of participants to RASG meetings and requested States to attach priority to the participation of their nominated experts to these bodies and also ensure that the representations are consistent over a period of time to ensure continuity and uphold quality of discussions.

2.3. Mr. Michiel Vreedenburgh, Chief, Implementation Planning and Support Section (Safety) from ICAO Headquarters updated the Meeting with an overview of Global Aviation Safety and sharing of ICAO's Aspirational Goal of Zero fatalities with the 2020-2022 edition of the GASP. He also highlighted some current and emerging issues and the progress of Amendment 1 to Annex 19, including the discussion on Global Aviation Safety Oversight System and evolution of RASGs. APAC regional aviation safety status was provided.

3. Meeting Arrangement

3.1. Mr. Arun Mishra, Regional Director, ICAO Asia and Pacific Office, was the Secretary of the Meeting. Mr. Mishra was assisted by Mr. Kong, Cheong Tuck, Flight Safety Expert and Mr. Pu, Fanghui, Associate Safety Oversight Officer of ICAO Asia and Pacific Office.

3.2. The 20 Working Papers (WP) and 12 Information Papers (IP) considered by the Meeting are listed at **Attachment B** to this Report.

4. Decisions and Conclusions

4.1. The RASG-APAC/7 adopted 7 Decisions and 5 Conclusions. All RASG-APAC/7 Decisions and Conclusions are listed at **Attachment C** to this Report.

REPORT ON AGENDA ITEMS

AGENDA ITEM 1: ADOPTION OF AGENDA

1.1 Adoption of Agenda – WP/1

1.1.1 The provisional agenda of RASG-APAC/6 presented by the Secretariat was adopted by the Meeting.

AGENDA ITEM 2: FOLLOW-UP ON OUTCOME OF RASG-APAC/6

2.1 Review of Progress of RASG-APAC/6 Decisions and Conclusions – WP/2

2.1.1 The Secretariat presented the progress of the RASG-APAC/6 Decisions and APRAST/8 Conclusions to the Meeting through WP/2 which resulted in the following Decisions:

Decision RASG-APAC 7/1 — Review of Progress of RASG-APAC/6 Decisions and Conclusions (WP/2)	
That, the Meeting endorse the closure recommendation described for Decision RASG-APAC 5/6 in Attachment A and the 9 Decisions and 23 Conclusions of RASG-APAC/6 in Attachment B to WP/2 as closed as actions have been carried out to meet the intent of these Decisions.	Expected impact: <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input checked="" type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: Achievement of global and regional aviation safety priorities and targets.	
When: Immediate	Status: Closed
Who: <input checked="" type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

2.2 Update of RASG-APAC 2016/2017 Work Programme – WP/3

2.2.1 The Secretariat presented the progress of the RASG-APAC Standing and Yearly Work Programme (2016/2017) through WP/3. The Meeting noted the updates and adopted the Decision as follows:

Decision RASG-APAC 7/2 — Update of RASG-APAC 2016/2017 Work Programme (WP/3)	
That, the recommended items as described in the Attachment to WP/3 be closed and removed from the RASG-APAC 2016/17 Yearly Work Programme.	Expected impact: <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets

	<input type="checkbox"/> Enhancement of USOAP effective implementation <input checked="" type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: Achievement of global and regional aviation safety priorities and targets.	
When: Immediate	Status: Closed
Who: <input checked="" type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

AGENDA ITEM 3: APRAST OUTS FOR RASG CONSIDERATION AND APPROVAL

3.1 Review of Decisions and Conclusions Adopted at APRAST/9 and APRAST/10 and its Progress – WP/4

3.1.1 The Secretariat presented WP/4. The Meeting noted the updates and adopted the Decision as follows:

Decision RASG-APAC 7/3 — Review of Decisions and Conclusions Adopted at APRAST/9 and APRAST/10 and its Progress (WP/4)	
That, Conclusions adopted at APRAST/9 and APRAST/10 as described in Attachments A and B be endorsed.	Expected impact: <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: Achievement of global and regional aviation safety priorities and targets.	
When: Immediate	Status: On-going
Who: <input checked="" type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

3.2 Update on Asia Pacific Regional Priorities and Targets – WP/5

3.2.1 APRAST Co-Chair (States) updated the progress of APAC Regional Aviation Safety Priorities and Targets. The Meeting noted the progress made and agreed to the proposed changes to these priorities and targets.

3.2.2 In this regard, the Meeting agreed to the following Decision:

Decision RASG-APAC 7/4 — Update on Asia Pacific Regional Priorities and Targets (WP/5)	
<p>That, the proposed changes to Regional Aviation Safety Priorities and Targets are approved:</p> <p>a) Title of Regional Priority 2 - “Improvements to safety oversight and compliance/Industry safety certification audits”;</p> <p>b) First target under Regional Priority 1 - “RASG-APAC to complete the development of current identified priority SEIs by end-2016 end- 2017”;</p> <p>c) Fourth to sixth targets under Regional Priority 2 - “By end of 2017 2020</p> <p style="padding-left: 40px;">(1) maintain at least 60% of increase the number of IOSA registered applicable APAC airlines to be IOSA certified by 50% over end-2016 figures;</p> <p style="padding-left: 40px;">(2) achieve at least 15% of increase the number of ISSA registered applicable APAC airlines to be ISSA certified by 15% over end-2016 figures;</p> <p style="padding-left: 40px;">(3) pursue at least a 50% increase in ISAGO registrations over end-2016 figures”; and</p> <p>d) Third target under Regional Priority 4 - “By 2020, pursue 50% increase in participation in flight data sharing initiatives by of APAC air operators, with aircraft of mass 27,000kg and above, over end-2016 figures participating in flight data sharing initiative by 2016”.</p>	<p>Expected impact:</p> <p><input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets</p> <p><input checked="" type="checkbox"/> Enhancement of USOAP effective implementation</p> <p><input type="checkbox"/> Monitoring and administration</p> <p><input checked="" type="checkbox"/> Capacity Building and Sharing of Information</p> <p><input type="checkbox"/> Inter-regional</p>
<p>Why: Update the regional aviation safety priorities and targets.</p>	
<p>When: Immediate</p>	<p>Status:</p>
<p>Who: <input checked="" type="checkbox"/> Sub-groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:</p>	

3.2.3 The Meeting noted the current set of regional priorities and targets were established at RASG-APAC/4 in 2014 and agreed that they should be reviewed to keep pace with latest developments. In this regard, the Meeting agreed to the following Decision:

Decision RASG-APAC 7/5 — Update on Asia Pacific Regional Priorities and Targets (WP/5)	
That, APRAST review the Asia Pacific Regional Priorities and Targets to achieve greater alignment with the ICAO Global Aviation Safety Plan Goals and Targets, taking into account latest industry developments and current and emerging issues; and complete the review by RASG-APAC/8 in 2018.	Expected impact: <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input checked="" type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input checked="" type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: Monitoring and exchange of information.	
When: RASG-APAC/8	Status: On-going
Who: <input checked="" type="checkbox"/> Sub-groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

3.3 Update on Work done by APAC-AIG – WP/6

3.3.1 Chairman of APAC-AIG updated on work done by APAC-AIG. States/Administrations were encouraged to attend the APAC-AIG/5 meeting on 1–2 August 2017 in Singapore, and the ICAO Asia Pacific Regional Accident Investigation Workshop on 3 – 4 August 2017 at the Singapore Aviation Academy, with the aim of assisting States/Administrations to improve their AIG capabilities. The Meeting also urged States/Administrations to support APAC capacity building activities in the AIG area by hosting and/or organizing training on topics mentioned in paragraphs 2.5 and 2.6 of WP/6.

3.3.2 The Meeting noted that the Secretariat was monitoring closely States/Administrations' establishment of independent accident investigation authority and encouraged States/Administrations on pledging support to the APAC Code of Conduct on Investigation Cooperation and providing inputs to the APAC Database of Investigation Agencies. The Meeting hence adopted the following Conclusion:

Conclusion RASG-APAC 7/1 — Update on Work done by APAC-AIG (WP/6)	
That, States/Administrations be strongly encouraged to: <ol style="list-style-type: none"> a) Establish an independent accident investigation authority; b) Pledge support to the APAC Code of Conduct on Cooperation relating to Civil Aviation Accident/Incident Investigations; and c) Provide input to the APAC Database of Investigation Agencies. 	Expected impact: <input type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input checked="" type="checkbox"/> Enhancement of USOAP effective implementation <input checked="" type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: Enhancement of USOAP Effective Implementation	

When: Immediate	Status: On-going
Who: <input type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

3.4 Regional Capacity Building Action Plan – WP/7

3.4.1 The Meeting noted the completion of the development of a Standardized Capacity Building Programme (SCBP) which was approved at APRAST/10 (Decision APRAST 10/3) and encouraged States/Administrations to use the SCBP, as appropriate, for the development of their inspectors' training plans. In response to the Philippines' request to include On-The-Job training (OJT) for inspectors in the SCBP, Capacity Building Task Force clarified that the OJT element had already been included in the programme.

3.5 Progress of Development of Annual Safety Report of 2017 – WP/19

3.5.1 The Vice-chair of AP SRP presented WP/19 updated the Meeting on the progress of the APAC Annual Safety Report.

3.5.2 The Meeting like to thank members of the SRP WG for their effort in continuing development on the APAC 2017 Annual Safety Report and for the update on the safety information for the APAC region. Target date for publication of the APAC 2017 Annual Safety Report by end-November 2017 is noted.

3.5.3 In view of the comments made by ICAO, SRP WG is to develop one version (public) the APAC Annual Safety Report to be effective from 2017 and future reports should be published prior to the annual DGCA conference.

3.5.4 The Meeting also requested that a short briefing be provided during the 54th DGCA Conference.

3.6 Safety Enhancement Initiative (SEI) Output for RASG Consideration and Approval – WP/20

3.6.1 SEI WG presented WP/20 on Safety Enhancement Initiative (SEI) Output for RASG Consideration and Approval.

3.6.2 The Meeting would like to thank the champions of LOC/2 (AAPA) and LOC/4 (Malaysia) for its efforts in developing outputs for their respective SEI. Considering that both outputs use SMS principles and safety trend information methodology to address the LOC-I events, the meeting adopted the Decision as follows:

Decision RASG-APAC 7/6 — Safety Enhancement Initiative (SEI) Output for RASG Consideration and Approval (WP/20)	
That, the proposed guidance material as attached to the paper as the combined outputs of both SEI LOC/2 and SEI LOC/4 is approved.	Expected impact: <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input checked="" type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of

	Information <input type="checkbox"/> Inter-regional
Why: To achieve global and regional aviation safety priorities and targets.	
When: Immediate	Status: On-going
Who: <input checked="" type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

AGENDA ITEM 4: MEMBER STATE / INDUSTRY / ICAO PRESENTATIONS

4.1 Establishment of an Accident Investigation Authority in Hong Kong, China – WP/8

4.1.1 Hong Kong, China presented WP/8 on Establishment of an Accident Investigation Authority in Hong Kong, China.

4.1.2 The Meeting noted Hong Kong, China has started the process to set up an accident investigation authority independent of the HKCAD.

4.1.3 The paper provided very useful information like reference to “Manual on Accident and Incident Investigation Policies and Procedures” (Doc 9962) and “Manual of Aircraft Accident and Incident Investigation” (Doc 9756) and practices obtained from fellow States/Administrations, and information from established platforms such as the ICAO APAC-AIG, Asian Society of Air Safety Investigators (AsiaSASI) were useful.

4.1.4 On that note, States/Administrations are encouraged to continue their active participation and exchange of experience of Annex 13 implementation in various ICAO organizations and workshops.

4.2 Regulation of Smaller Unmanned Aircraft Activities for Recreational Use – WP/9

4.2.1 This paper was presented by Hong Kong, China. In this regard, the Meeting supports the work of the ICAO and the ISO to enhance safety of UAS/RPAS and support the work of APANPIRG APUAS/TF on developing regional guidance on small UAS, and noted Hong Kong, China’s efforts to strike a balance between the use of UAS for recreational and work purposes and the protection of public safety. Following Conclusion was adopted:

Conclusion RASG-APAC 7/2 — Regulation of small Unmanned Aircraft in Hong Kong, China (WP/9)	
That, ICAO be requested to: <ul style="list-style-type: none"> a) Coordinate with ISO the work to enhance safety of UAS/RPAS; and b) expedite the development of appropriate classification, manufacture, operational and safety management of small UAS, including those for recreational use, with a view to enhancing public safety as well as safety of manned aircraft. 	Expected impact: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional

Why: Enhancement of USOAP Effective Implementation.	
When: Immediate	Status: On-going
Who: <input type="checkbox"/> Sub-groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: ISO	

4.3 CANSO Standard of Excellence in Air Navigation Services - Safety – WP/10

4.3.1 CANSO presented on CANSO Standard of Excellence in Air Navigation Services (Safety). The Meeting noted the content of this WP and support CANSO’s Standard of Excellence in Air Navigation Service – Safety (SEANS–Safety) assessment. ANSPs that are CANSO Members are encouraged to participate in the SEANS-Safety Programme.

4.4 Basic Aviation Risk Standards – WP/11

4.4.1 FSF presented WP/8 on Basic Aviation Risk Standards.

4.4.2 The Meeting thanked FSF for sharing BAR Standards and the website to download the Standards at <https://flightsafety.org/bars/bar-standard/> which can be used as supplemental reference material to assist with safety assurance processes.

4.5 Go-Around Decision-Making & Execution Project Report – WP/12

4.5.1 The Meeting noted the presentation by FSF and that copy of the go-around decision-making & execution project report can be downloaded from FSF website.

4.5.2 Feedback and comment, if any, on the Report and its recommendation should be provided to the Foundation as a part of its industry validation process.

4.6 Global Safety Information Project – WP/13

4.6.1 The Foundation will be conducting additional webinars and welcome the participation of States and other industry stakeholders. The dates and free registration details for these webinars can be found on the Foundation’s website <https://flightsafety.org/gsip/>.

4.6.2 The Foundation is also conducting a survey of the types of Safety Performance Indicators that are collected and used by industry stakeholders. We encourage States and other industry stakeholders to participate in this survey. This survey can be accessed at <http://gsip.forthillgroup.com/spi-survey>.

4.7 Regional Data Collection, Analysis and Information Sharing Status Report – WP/14

4.7.1 FSF and MITRE presented WP/14 on regional data collection, analysis and information sharing system for aviation safety in the APAC region, which was supported by IATA, Japan, Singapore and Thailand. IFALPA also supported the system proposed under WP/14, which should be in line with the ICAO principles on safety data collection and processing systems (SDCPS) particularly with respect to safeguarding of the source of the data. The Meeting noted the plan to commence the Demonstration Project in 2017 and therefore urged States/ Administrations, airlines and Industry organizations that are interested in participating in the Demonstration Project, to submit the Statement of Intent as soon as possible. The Meeting also noted the plan to convene the first Governing Board and Technical Working Group meetings of the Demonstration Project in the last quarter of 2017.

4.7.2 In this regard, the Meeting agreed to the following Conclusion:

Conclusion RASG-APAC 7/3 — Regional Data Collection, Analysis and Information Sharing Status Report (WP/14)	
That, States/Administrations, airlines and Industry organizations are encouraged to participate in the demonstration project for APAC Regional Data Collection, Analysis and information Sharing for Aviation Safety, by submitting a statement of intent as soon as possible. (The statement of intent is available in Appendix B of the Governance Plan Version 6)	Expected impact: <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: Achievement of global and regional aviation safety priorities and targets .	
When: December 2017	Status: On-going
Who: <input type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: <i>Airlines and Industry Organizations</i>	

4.8 Progress Report on the Implementation of the ICAO Universal Safety Oversight Audit Programme Continuous Monitoring Approach (USOAP CMA) — WP/16

4.8.1 ICAO presented WP/16 on Progress Report on the Implementation of the ICAO Universal Safety Oversight Audit Programme Continuous Monitoring Approach (USOAP CMA)

4.8.2 The meeting agreed to the following Conclusions:

Conclusion RASG-APAC 7/4 — ICAO USOAP CMA Implementation (USOAP CMA) (WP/16)	
<p>That States are urged to fulfil their obligations under the USOAP CMA Memorandum of Understanding (MOU) and to take actions as needed to provide up-to-date information on their safety oversight systems, with particular attention to:</p> <ol style="list-style-type: none"> States with an SSC, focus on implementing sustainable corrective and immediate mitigation actions to resolve the SSC with a high priority; complete and update the Corrective Action Plans (CAPs) on the On-line Framework (OLF), as required; implement CAPs and report progress on the OLF, informing the ICAO Regional Office when ready for validation; complete the compliance checklist/EFOD and self-assessment of the PQs on the OLF, including uploading the evidence documents; and request assistance from the ICAO Regional Office and/or COSCAP/RSOO, if required. 	Expected impact: <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional

Why: To achieve global and regional aviation safety priorities and targets.	
When: Immediate	Status: On-going
Who: <input type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: <i>COSCAP / RSOO</i>	

4.9 Proposed Global Strategy and Action Plan for the Improvement of Regional Safety Oversight Organization (RSOOs) and the Establishment of a Global System for the Provision of Safety Oversight – WP/17

4.9.1 The ICAO presented WP/17 on the Proposed Global Strategy and Action Plan for the Improvement of Regional Safety Oversight Organization (RSOOs) and the Establishment of a Global System for the Provision of Safety Oversight.

4.9.2 The Meeting agreed to the following Conclusion:

Conclusion RASG-APAC 7/5 —Regional Safety Oversight Organizations (RSOOs) (WP/17)	
That, ICAO present the proposed global strategy and action plan to improve RSOOs and the establishment of a global system for the provision of safety oversight, including the study of a proposed global aviation safety oversight system (GASOS), to the next APAC DGCA Conference for consideration and support.	Expected impact: <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: To achieve global and regional aviation safety priorities and targets.	
When: DGCA Conf.	Status: On-going
Who: <input type="checkbox"/> Sub-groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other:	

4.10 Upset Prevention & Recovery Training (UPRT) in Managing Loss of Control – Inflight (LOC-I) – IP/7

4.10.1 Singapore presented IP/7, which summarized Singapore’s approach to implementing UPRT programmes among its air operators. States/ Administrations were encouraged to share experiences in implementing UPRT programmes.

AGENDA ITEM 5: RASG-APAC YEARLY/STANDING WORKING PROGRAMME 2017-2018**5.1 Proposed RASG-APAC 2017/2018 Work Programme – WP/15**

5.1.1 The Meeting noted APRAST Co-Chair (States)'s presentation of the proposed RASG-APAC 2017/2018 Yearly and Standing Work Programme. One additional item was added to the Work Programme i.e. for APRAST to review APAC Regional Priorities and Targets to achieve greater alignment with the new ICAO Global Aviation Safety Plan, taking into account latest industry developments and current and emerging issues. Moreover, as the work items for SEI LOC/2 and LOC/4 were approved at RASG-APAC/7, they were not carried over from RASG-APAC 2016/ 2017 Work Programme.

Decision RASG-APAC 7/7 — Proposed RASG-APAC 2017/2018 Yearly and Standing Work Programmes (WP/15)	
That, the proposed RASG-APAC 2017/2018 Yearly and Standing Work Programme is approved, as in Attachment D of this report.	Expected impact: <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input checked="" type="checkbox"/> Monitoring and administration <input checked="" type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: To achieve global and regional aviation safety priorities and targets.	
When: Immediate	Status: On-going
Who: <input checked="" type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: <i>Nokscoot</i>	

AGENDA ITEM 6: WORKSHOP ON GLOBAL AVIATION SAFETY PLAN (GASP)**6.1 Global Aviation Safety Plan (GASP)**

6.1.1 Mr. Martin Maurino, Safety, Efficiency and Operations Officer, ICAO, delivered a workshop on the Global Aviation Safety Plan (GASP). The workshop was comprised of four sessions. The first session introduced the 2017-2019 edition of the GASP, and included its purpose and the role of States, Regions and Industry with regards the regional and national safety planning activities. The second session presented the global aviation safety roadmap and described how stakeholders should use the plan to assist them in achieving the GASP objectives. The third session was comprised of a practical exercise. The meeting was divided into four groups and tasked with reviewing the regional safety initiatives of the roadmap, with the goal of selecting initiatives relevant to the APAC region. Group one was tasked with reviewing the safety initiatives in sub-phase IA of the roadmap, which deals with the implementation of an effective safety oversight system and focuses on critical elements (CEs) one through five. Group two was tasked with reviewing the safety initiatives in sub-phase IB, which addresses CEs six through eight. Groups three and four were tasked with reviewing the safety initiatives in phase II of the roadmap, which deal with State safety programme (SSP) implementation.

The groups conducted the review and debriefed the meeting on their conclusions during the fourth session of the workshop. Each group cited the reasons for selecting a set of initiatives for the region. The Secretariat noted that the goal of the exercise was to provide participants with a hands-on experience in using the roadmap and encouraged the meeting to apply the same methodology used during the practical exercise to review and update the regional safety plan, as part of the RASG activities. The Secretariat also urged States to conduct a similar exercise to develop a national safety plan, in line with the GASP.

AGENDA ITEM 7: DISCUSSION OF CHALLENGES AND ISSUES FACED BY RASG-APAC MEMBER ON ASIA AND PACIFIC REGIONAL AVIATION SAFETY PRIORITIES AND TARGETS AND OTHER ISSUES

7.1 IATA Runway Safety Presentation

7.1.1 IATA provided a presentation and led a workshop on Runway Safety. The presentation included an analysis of contributing factors to runway excursions, and possible mitigation measures to be taken by both States and Industry. During the workshop six proposed Safety Enhancements were discussed and evaluated. Feedback from States indicated that it would be valuable to incorporate some of these safety enhancements as appropriate, in APrAST's work.

7.2 Enhancing the Capacity of CAA Inspectors Discharging the Regulatory Oversight Functions

7.2.1 Secretariat presented this paper highlighting the common deficiencies faced by many CAAs in their staffing numbers and inadequate inspector competency to perform their regulatory responsibilities in the safety oversight of their aviation industry.

7.2.2 This was followed by a breakout session whereby the participants were divided into four groups to discuss and share with one another on how they manage these deficiencies.

7.2.3 The Meeting urges the more developed civil aviation regulatory agencies in APAC States to continue to provide support to the developing civil aviation regulatory agencies to help them enhance their safety oversight capacity. The summary of the discussion is available in **Attachment E**.

AGENDA ITEM 8: ANY OTHER BUSINESS

8.1 Date and Venue of the next Meeting

8.1.1 The next RASG-APAC Meeting will be held at ICAO Asia and Pacific Office tentative scheduled for August 2018.

9. CLOSING OF THE MEETING

9.1.1 The ICAO Regional Director thanked the Chairman of the Meeting and participants for their contributions for the Meeting.

RASG-APAC/7
Attachment A to the Report

LIST OF PARTICIPANTS

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
1.	AUSTRALIA			
1.	Mr. Stuart M. CAMERON	International Relations Officer Government & International Relations Branch Civil Aviation Safety Authority Canberra ACT 2601	Tel.: +61 262171535	Stuart.Cameron@casa.gov.au ;
2.	BANGLADESH			
2.	Capt. Salahuddin M. RAHMATULLAH	Senior Consultant/FOI & Head of AIG Civil Aviation Authority of Bangladesh Headquarters Kurmitola, Dhaka-1229	Tel.: +880-2-8901406 Fax: +880-2-8901418	smr@bdcom.net ; SMRahmatullah2148@gmail.com ;
3.	BHUTAN			
3.	Mr. Pema TASHI	Superintendent of Air Navigation and Aerodrome Division Bhutan Civil Aviation Authority Paro International Airport Paro	Tel.: +975-8-271 347 Fax: +975-8-271 909	ptashi@bcaa.gov.bt ; pematashi790@yahoo.com ;
4.	CAMBODIA			
4.	Mr. Sophondarith TAN	Director of Security-Safety Management and Quality Assurance Department State Secretariat of Civil Aviation Phnom Penh International Phnom Penh 12406	Tel.: +855-23 890 243 Fax: +855-23 890 243	tansophondarith@gmail.com ; sophondarith-tan@civilaviation.gov.kh ;
5.	Mr. Sam Oeun SOK	Technical Official of Personnel Licensing Department State Secretariat of Civil Aviation Phnom Penh International Phnom Penh 12406	Tel.: +855-23 890 243 Fax: +855-23 890 243	Soksamoeun66@gmail.com ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
5.	CHINA			
	6.	Mr. Rui JIANG	Assistant Division Chief Civil Aviation Administration of China Beijing	Tel.: +86-10-6409 1409 jiangrui@caac.gov.cn ;
	7.	Mr. Changhua SUN	Inspector Civil Aviation Administration of China Beijing	Tel.: +86-10-6409 1913 Ch_sun@caac.gov.cn ;
6.	HONG KONG, CHINA			
	8.	Captain Victor LIU (<i>Vice-chair of RASG-APAC</i>)	Deputy Director-General of Civil Aviation Civil Aviation Department Hong Kong International Airport Lantau	Tel.: +852-2910 6328 Fax: +852-2234 9431 vcyliu@cad.gov.hk ; tctchow@cad.gov.hk ;
	9.	Ms. Yamani CHAN	Acting Chief Operations Officer Civil Aviation Department Hong Kong International Airport Lantau	Tel.: +852-2910 6696 Fax: +852-2326 3654 ywychan@cad.gov.hk ;
	10.	Captain Webster SIU	Senior Operations Inspector Civil Aviation Department Hong Kong International Airport Lantau	Tel.: +852-2910 6125 Fax: +852-2362 4250 whsiu@cad.gov.hk ;
	11.	Mr. Taka CHOW	Acting Senior Safety Manger Civil Aviation Department Hong Kong International Airport Lantau	Tel.: +852-2910 6442 Fax: +852-2910 0186 tctchow@cad.gov.hk ;
7.	MACAO, CHINA			
	12.	Mr. Wa Kin PUN (Stanley)	Acting Director – Flight Standards & Licensing Civil Aviation Authority of Macao Alameda Dr. Carlos D’Assumpcao 336-342 Centro, Comercial Cheng Feng	Tel.: +853-8796 4136 Fax: +853-2833 8089 stanleypun@aacm.gov.mo ; aacm@aacm.gov.mo ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
	13.	Mr. Weng Kei WONG (Ray)	Safety Officer (Flight Standards) – Flight Standards & Licensing Civil Aviation Authority of Macao Alameda Dr. Carlos D’Assumpcao 336-342 Centro, Comercial Cheng Feng	Tel.: +853-8796 4161 Fax: +853-2833 8089 raywong@aacm.gov.mo ; aacm@aacm.gov.mo ;
8.	FIJI			
	14.	Mr. George W. F. TUDREU	Controller Air Safety Civil Aviation Authority of Fiji Nadi Airport	Tel.: +679-6721 555 Fax: +679-6721 500 cas@caaf.org.fj ; georgetudreu@gmail.com ;
	15.	Mr. Matereti W. TUISUE	Senior Flight Operations Inspector International Civil Aviation Authority of Fiji Nadi Airport	Tel.: +679-6721 555 Fax: +679-6721 500 Matereti.tuisue@caaf.org.fj ; mwtuisue@gmail.com ;
9.	FRANCE			
	16.	Mr. Karim BEKKOUCHE	DGCA – Direction Generale de l’Aviation Civile 50 Rue Henry Farman, 75720 Paris France	Tel.: +33-1-5809 4342 Fax: +33-6-7008 6152 Karim.bekkouche@aviation-civile.gouv.fr ;
	17.	Mr. Christopher J. VERGÈS	Head of Safety Department Civil Aviation Authority of New Caledonia Direction of L’Aviation Civile BPH1, 98849 Noumea Cedex	Tel.: +687-795460 christophe.verges@aviation-civile.gouv.fr ;
10.	INDIA			
	18.	Mr. Maneesh KUMAR	Director – Air Safety Directorate General of Civil Aviation New Delhi - 110003	Tel.: +91-11-24620272 Fax: +91-11-24633140 Maneesh.dgca@nic.in ; maneesh.dgca@gmail.com ;
	19.	Mr. Alvice Xavear JOSEPH	Deputy Director – Air Safety Directorate General of Civil Aviation New Delhi - 110003	Tel.: +91-11-24620273 Fax: +91-11-24633140 Axjoseph.dgca@nic.in ; axjoseph.dgca@gmail.com ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL	
	20.	Mr. Sivakumar KRISHNAMOORTHY	Jt.GM & HOD (Aviation Safety Directorate, Southern Region) Office of the Regional Executive Director Operational Office Airports Authority of India Chennai-600 027	Tel.: +91-44-2256 0105 Fax: +91-44-22560105	jeeshiv@yahoo.com ; kshivakumar@aai.aero ;
11.	INDONESIA				
	21.	Mr. Sigit Hani HADIYANTO	Head Section of Aircraft Operation Directorate of Airworthiness and Aircraft Operations Directorate General of Civil Aviation Office Complex Soekamo-Hatta Int'l Airport	Tel.: +62-21-22566288 Fax: +62-21-22566399	sigit_hh@yahoo.com ; sigit_hani@dephub.go.id ;
	22.	Mr. DONY PRASETIYO SISWANTORO	AIRWORTHINESS INSPECTOR Directorate of Airworthiness and Aircraft Operations Directorate General of Civil Aviation Office Complex Soekamo-Hatta Int'l Airport	Tel.: +62-21-22566288 Fax: +62-21-22566399	Dony_prasetiyo@dephub.go.id ; dony_siswanto@yahoo.com ;
12.	JAPAN				
	23.	Mr. Hiroaki KATSUMA	Special Assistant to the Director, Aviation Safety and Security Planning division Japan Civil Aviation Bureau Ministry of Land, Infrastructure, Transport and Tourism Tokyo 100-8918	Tel.: +81-3-5253 8696 Fax: +81-3-3580 5233	Katsuma-h2x8@mlit.go.jp ;
	24.	Mr. Daisuke KOMINE	Unit Chief, Aviation Safety and Security Planning division Japan Civil Aviation Bureau Ministry of Land, Infrastructure, Transport and Tourism Tokyo 100-8918	Tel.: +81-3-5253 8696 Fax: +81-3-3580 5233	Komine-d2ay@mlit.go.jp ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
13.	MALAYSIA			
	25.	Ms. Siew Huang TAY Director Air Traffic Inspector Department of Civil Aviation 62618 Putrajaya	Tel.: +60-3-88714215 Fax: +60-3-88714333	taysh@dca.gov.my ;
	26.	Mr. Mohd Naziran Bin MOHAMMED Deputy Director Airworthiness Sector Department of Civil Aviation 62618 Putrajaya	Tel.: +60-3-88714303 Fax: +60-3-88714069	naziran@dca.gov.my ;
	27.	Mr. Jacob KURIEN Manager, Accident & Incident Investigation, Corporate Safety Oversight Malaysia Airlines Berhad	Tel.: +60-3-87779639	jacob.kurien@malaysiaairlines.com ;
14.	NEW ZEALAND			
	28.	Mr Mark HUGHES Deputy Director Civil Aviation Authority of New Zealand Wellington 6140	Tel.: +64-4-5609 500	Mark.hughes@caa.govt.nz ;
15.	PHILIPPINES			
	29.	Mr. Efren C. ROCAMORA Department Manager III, Regulatory Standards Department Flight Standards and Inspectorate Service Civil Aviation Authority of the Philippines Pasay City 13000	Tel.: +63-2-9442153 Fax: +63-2-9442154	ecrocamora@caap.gov.ph ; eftenrocamora@gmail.com ;
	30.	Mr. Alimben P. NARA Senior Civil Aviation Regulations Officer Flight Standards and Inspectorate Service Civil Aviation Authority of the Philippines Pasay City 13000	Tel.: +63-2-9442166	apnara@caap.gov.ph ;
	31.	Mr. Alex B. BALDE Assistant Chief Aviation Services / Safety Inspector Aerodrome and Navigation Safety Oversight Office Civil Aviation Authority of the Philippines Pasay City 13000	Tel.: +63-2-944 2290	Balde_alex@yahoo.com ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
	32.	Ms. Amneris G. GABRIEL	Division Chief III, ATS Planning Division Air Traffic Service Civil Aviation Authority of the Philippines Pasay City 13000	Tel.: +63-2-944 2209 Fax: +63-2-879 9259 atsplanningcaap@gmail.com ; vannieggabriel@gmail.com ;
16.	REPUBLIC OF KOREA			
	33.	Mr. Sang-gon Lee	Deputy Director, Aviation Safety Policy & Licencing Division Korea Civil Aviation Office(KOCA) Sejong city, 30103	Tel.: +82-44-201-4251 Fax: +82-44-201-5628 lg230@korea.kr ;
	34.	Mr. Sung-gook LIM	Deputy Director, Airworthiness Division Korea Civil Aviation Office(KOCA) Sejong city, 30103	Tel.: +82-44-201-4285 Fax: +82-44-201-5630 sunglin@korea.kr ;
	35.	Mr. Byung-woo MIN	Deputy Director, Flight Standard Division Korea Civil Aviation Office(KOCA) Sejong city, 30103	Tel.: +82-44-201-4268 Fax: +82-44-201-5629 secureavsec@korea.kr ;
17.	SINGAPORE			
	36.	Mr. Tiang Guan TAY	Deputy Director-General Civil Aviation Authority of Singapore Singapore 918141	Tel.: +65-6541 2562 Fax: +65-6546 7544 Tay_tiang_guan@caas.gov.sg ;
	37.	Mr. Michael PANG	Head (School of Aviation Safety and Security) Civil Aviation Authority of Singapore Singapore 918141	Tel.: +65-6540 6338 Fax: +65-6542 9890 Michael_pang@caas.gov.sg ;
	38.	Mr. Chee Seng MAK	Deputy Head (Continuing Airworthiness - Airlines) Civil Aviation Authority of Singapore Singapore 918141	Tel.: +65-6540 3486 Fax: +65-6545 6519 Mak_chee_seng@caas.gov.sg ;
	39.	Mr. Adrian CHANG	Division Head (Safety Policy & Licensing) Civil Aviation Authority of Singapore Singapore 918141	Tel.: +65-6595 4082 Fax: +65-6542 3869 Adrian_Chang@caas.gov.sg ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
40.	Ms. Jaime SEAH	Senior Manager (Strategy & Intelligence) Civil Aviation Authority of Singapore Singapore 918141	Tel.: +65-6595 6039 Fax: +65-6542 3869	Jaime_seah@caas.gov.sg ;
41.	Mr. Rick TAN	Flight Operations Inspector Civil Aviation Authority of Singapore Singapore 918141	Tel.: +65-6422 7075 Fax: +65-6545 6519	Rick_tan@caas.gov.sg ;
42.	Ms. Elizabeth CHAU	Manager (Strategy & Intelligence) Safety Policy and licensing Division Civil Aviation Authority of Singapore Singapore 918141	Tel.: +65-6422 7083 Fax: +65-6542 3869	Elizabeth_chau@caas.gov.sg ;
43.	Mr. Wing Keong CHAN	Advisor Transport Safety Investigation Bureau (TSIB) Passenger Terminal Building 2 Singapore 918155	Tel.: +65-6595 6010 Fax: +65-6542 2394	Chan_wing_keong@mot.gov.sg ;
44.	Mr. Wallace N. FEERRAR	Senior Principal MITRE Corporation McLean, Virginia 22102 U. S. A.	Tel.: +1-703-983 6133 Fax: +1-703-983 9246	wfeerrar@mitre.org ;
45.	Mr. Paul J. H. AU	Deputy Chief Pilot Flight Operations Control and Technical Flight Operations Division Singapore Airlines Limited SIA Training Centre, Singapore 486852	Tel.: +65-6549 8411	Jinhoe_au@singaporeair.com.sg ;
18.	SRI LANKA			
46.	Mr. H. M. C. NIMALSIRI (Chair of RASG-APAC)	Director General of Civil Aviation Civil Aviation Authority of Sri Lanka Colombo	Tel.: + Fax: +	sldgca@caa.lk ;
19.	THAILAND			
47.	Ms. Haruethai PATTANAPISUDTICHAI	Air Navigation Services Standards Officer Civil Aviation Authority of Thailand Bangkok 10210	Tel.: +66-2-568 8824 Fax: +66-2-568 8847	Haruethai.p@caat.or.th ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
48.	Ms. Sataporn CHAINARONG	Air Navigation Services Standards Officer Civil Aviation Authority of Thailand Bangkok 10210	Tel.: +66-2-568 8824 Fax: +66-2-568 8847	Sataporn.c@caat.or.th ;
49.	Mr. Aniwat DHUAMREARNGROM	Flight Operations Inspector Civil Aviation Authority of Thailand Bangkok 10210	Tel.: +66-2-568 8843	Aniwat.d@caat.or.th ;
50.	Ms. Waritha KULKUSOL	Flight Operation Inspector Civil Aviation Authority of Thailand Bangkok 10210	Tel.: +66-2-568 8843	Waritha.k@caat.or.th ;
51.	Ms. Angsana ROONTHONG	Aerodrome Safety Inspector Civil Aviation Authority of Thailand Bangkok 10210	Tel.: +66-2-568 8826 Ext. 2703 Fax: +66-2-576 1904	Angsana.r@caat.or.th ;
52.	Mr. Buntoeng MEGCHAI	Aviation Safety Management Group Manager Civil Aviation Authority of Thailand Bangkok 10210	Tel.: +66-2-568 8813	Buntoeng.m@caat.or.th ;
53.	Mr. Pongsakorn SAMAKSAMOSORN	Aviation Safety Management Group Officer Civil Aviation Authority of Thailand Bangkok 10210	Tel.: +66-2-568-8800 Ext. 1301	Pongsakorn.s@caat.or.th ;
54.	Mr. Visut DECHPOKKET	Senior Director, Safety and Standards Bureau Aeronautical Radio of Thailand Bangkok 10120	Tel.: +66-2-287 8731 Fax: +66-2-257 8645	visut.de@aerothai.co.th ;
55.	Ms. Oranee PHIPHITAPHANDA	Safety Management System Manager Aeronautical Radio of Thailand Bangkok 10120	Tel.: +66-2-287 8294 Fax: +66-2-257 8645	oranee.ph@aerothai.co.th ;
56.	Mr. Thirapat BUAKHAO	Air Traffic Control Manager (Safety Management System) Aeronautical Radio of Thailand Bangkok 10120	Tel.: +66-2- 287 8761 Fax: +66-2-257 8119	thirapatbu@aerothai.co.th ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
57.	Ms. Pichaya KAWITANON	Specialist, Aerodrome Standard and Safety Department Airports of Thailand Bangkok 10210	Tel.: +66-2-535 8497 Fax: +66-2-535 8298	Pichaya.k@airportthai.co.th ;
58.	Ms. Thitaporn BOONPRATUANG	Aerodrome Safety Specialist, Aerodrome Standard and Safety Department Airports of Thailand Bangkok 10210	Tel.: +66-2-535 8539 Fax: +66-2-535 8298	Thitaporn.b@airportthai.co.th ;
59.	Ms. Kamonwan BUMRUNGSILP	Senior Aerodrome Safety Officer, Aerodrome Standard and Safety Department Airports of Thailand Bangkok 10210	Tel.: +66-2-535 8299 Fax: +66-2-535 2530	Kamonwan.b@airportthai.co.th ;
60.	Capt. Naroupon CHANDRAKULSIRI	Deputy Manager, International Flight Safety and Operations Development Department Thai Airways International PCL Bangkok 10900	Tel.: +66-2-545 2665	Naroupon.c@thaiairways.mail.go.th ; flightops@thaiairways.com ;
61.	Ms. Thanyalak TANAPEERATAT	Aircraft Engineer, Aviation Safety Group, Technical Department Thai Airways International PCL Samut Prakarn 10540	Tel.: +66-2-137 5115 Fax: +66-2-137 6910	Thanyalak.t@thaiairways.com ;
62.	Mr. Suphadet PAKDEEMAI	Security Manager Bangkok Airways Bangkok Airways Operations Complex Samutprakarn 10540	Tel.: +66-85-133 2626	suphadet@bangkokair.com ;
63.	Mr. Verapon TUSSANATHRONE	SMS Special / Captain Bangkok Airways Bangkok 10240	Tel.: +66-84-135 5509	verapon@bangkokair.com ;
64.	Mr. Somchai SOPANON	Safety Manager / Captain Bangkok Airways Bangkok Airways Operations Complex Samutprakarn 10540	Tel.: +66-81-815790	Somchai.sop@bangkok.com ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
20.	UNITED STATES			
	65.	Mr. Steven GOTTLIEB	Executive Deputy Director Accident Investigation and Prevention Federal Aviation Administration Washington, DC 20591	Tel.: +1-202-267 9614 steven.gottlieb@faa.gov ;
	66.	Mr. Daniel CHONG	International Affairs Branch Manager International Programs & Policy Division Flight Standards Service Federal Aviation Administration Washington, DC 20597	Tel.: +1-202-267 1014 daniel.chong@faa.gov ;
	67.	Mr. Jim SPILLANE	International Affairs Federal Aviation Administration American Embassy Singapore 258508	Tel.: +65-6476 9031 James.spillane@faa.gov ;
INTERNATIONAL ORGANIZATIONS / INDUSTRY PARTNERS				
1.	ASSOCIATION OF ASIA PACIFIC AIRLINES (AAPA)			
	68.	Mr. Martin ERAN-TASKER	Technical Director Association of Asia Pacific Airlines 50450 Kuala Lumpur Malaysia	Tel.: +60-3-2162 1888 Fax: +60-3-2162 6888 merantasker@aapa.org.my ;
	69.	Ms. Jie Yinn CHAN	Associate-Technical Affairs Association of Asia Pacific Airlines 50450 Kuala Lumpur Malaysia	Tel.: +60-3-2162 1888 Fax: +60-3-2162 6888 jychan@aapa.org.my ;
2.	AIRPORTS COUNCIL INTERNATIONAL (ACI)			
	70.	Mr. SL WONG	Head – Technical & Industry Affairs Airports Council International Hong Kong International Airport Hong Kong, China	Tel.: +852-2989 8001 Fax: +852-2180 9462 sl@aci-asiapac.aero ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
3.	AIRBUS			
	71.	Mr. Michel R. MENESTROT	Regional Senior Director Flt Ops & Flt Safety AIRBUS Singapore 797553	Tel.: +65-98556051 michel.menestrot@airbus.com ;
4.	CIVIL AIR NAVIGATION SERVICES ORGANIZATION (CANSO)			
	72.	Mr. Hai Eng CHIANG	Director Asia Pacific Affairs CANSO c/o Singapore Changi Airport PO Box 1 Singapore 918141	Tel.: +65-6541 2007 Hai.Eng.Chiang@CANSO.org ;
	73.	Mr. Dolsarit SOMSEANG	System Engineer (Safety Management System) Monitoring Agency for Asia Region (MAAR) Safety Management Department Aeronautical Radio of Thailand Ltd. Bangkok 10120	Tel.: +66-2-287 8918 Fax: +66-2-287 8155 Dolsarit.so@aerothai.co.th ;
5.	EUROPEAN AVIATION SAFETY AGENCY (EASA)			
	74.	Mr. Frank MANUHUTU	EASA Representative Singapore and Southeast Asia European Aviation Safety Agency Singapore 179101	Tel.: +49-170569 5479 frank.manuhutu@easa.europa.eu ;
6.	FLIGHT SAFETY FOUNDATION (FSF)			
	75.	Mr. Greg MARSHALL	Vice President Global Programme Flight Safety Foundation Alexandria, VA 22314-1774 U.S.A.	Tel.: +1-703-739-6700 ext. 111 Fax: +1-571-215-9636
7.	INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)			
	76.	Mr. Gerardo HUETO	Assistant Director Safety, Safety and Flight Operations – ASPAC IATA Singapore 238164	Tel.: +65-6499 2288 Cell: +65-9711 0439 huetog@iata.org ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
	77.	Mr. Hakimuddin PATANWALA	Manager, Safety and Flight Operations – ASPAC IATA Singapore 238164	Tel.: +65-6499 2253 patanwalah@iata.org ;
	78.	Mr. Wei ZHANG	Manager, Safety and Flight Operations – North Asia IATA Beijing, 100102 China	Tel.: +86-10-8571 9060 Fax: +86-10-8571 9918 zhangw@iata.org ; zhangwei313@yahoo.com ;
8.	INTERNATIONAL FEDERATION OF AIR LINE PILOTS' ASSOCIATIONS (IFALPA)			
	79.	Capt. Bhudhibhuntu TEINWAN	Technical Advisor IFALPA Bangkok 10900, Thailand	Tel.: +66-2-545-4046 bhudhibhuntu@gmail.com ;
	80.	First officer Kornpat NAKJU	Technical Advisor IFALPA Bangkok 10900, Thailand	Tel.: +66-2-545-4046 md11_26@hotmail.com ;
	81.	Mr. Pirasuth SASUNEE	First Officer IFALPA Bangkok 10900, Thailand	Tel.: + 66(81) 694-9333 pirasuths@yahoo.com ; pirasuth.s@thaiairways.mail.go.th ;
9.	PACIFIC AVIATION SAFETY OFFICE (PASO)			
	82.	Mr. Peter G. ASHFORD	PASO Operations Manager PASO Port Vila Republic of Vanuatu	Tel.: +678-28500 Fax: +678-28555 pashford@paso.aero ; pg_ashford@hotmail.com ;
10.	INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)			
	83.	Mr. Arun MISHRA	Regional Director ICAO Asia and Pacific Office Bangkok 10900, Thailand	Tel.: +66-2-537 8189 Fax: +66-2-537 8199 APAC@icao.int ; Amishra@icao.int ;

RASG-APAC/7
Attachment A to the Report

STATE/NAME		TITLE/ORGANIZATION	TEL/FAX	E-MAIL
84.	Mr. Michiel VREEDENBURGH	Chief, Implementation Planning and Support Section (Safety) Air Navigation Bureau ICAO Headquarters Montreal, Canada		MVreedenburgh@icao.int ;
85.	Mr. Martin MAURINO	Safety, Efficiency and Operations Officer Air Navigation Bureau ICAO Headquarters Montreal, Canada		MMaurino@icao.int ;
86.	Mr. KONG, Cheong Tuck	Flight Safety Expert ICAO Asia and Pacific Office Bangkok 10900, Thailand	Tel.: +66-2-537 8189 Fax: +66-2-537 8199	APAC@icao.int ; CKong@icao.int ;
87.	Mr. PU, Fanghui	Associate Safety Oversight Officer ICAO Asia and Pacific Office Bangkok 10900, Thailand	Tel.: +66-2-537 8189 Fax: +66-2-537 8199	APAC@icao.int ; FPu@icao.int ;
88.	Ms. Marie ZUBRYCKYJ	Chief Technical Advisor COSCAP – South Asia Bhutan Civil Aviation Authority Paro, Bhutan	Tel.: +97517170638	marie.zubryckyj@coscap-icao.org ; mariemini@icloud.com ;

RASG-APAC/7– Summary of Participants

Total Participants = 88

20 States/Administrations

9 International Organizations and Industry Partners

States/Administrations

Australia – 1

Bangladesh – 1

Bhutan – 1

Cambodia – 2

China – 2

Hong Kong, China – 4

Macao, China – 2

Fiji – 2

France – 2

India – 3

Indonesia – 2

Japan – 2

Malaysia – 3

New Zealand – 1

Philippines – 4

Republic of Korea – 3

Singapore – 10

Sri Lanka – 1

Thailand – 18

USA – 3

International Organization and Industry Partners

AAPA – 2

ACI – 1

Airbus – 1

CANSO – 2

EASA – 1

FSF – 1

IATA – 3

IFALPA – 3

PASO – 1

ICAO – 6

LIST OF WORKING PAPERS AND INFORMATION PAPERS

WORKING PAPERS

WP NO.	AGENDA	TITLE	PRESENTED BY
WP/1	1	Adoption of the Provisional Agenda	Secretariat
WP/2	2	Review of Progress of RASG-APAC/6 Decisions and Conclusions	Secretariat
WP/3	2	Update of RASG-APAC 2016/2017 Work Programme	Secretariat
WP/4	3	Review of Decisions and Conclusions Adopted at APRAST/9 and APRAST/10 and its Progress	Secretariat
WP/5	3	Update on Asia Pacific Regional Aviation Safety Priorities and Targets	APRAST Co-chairs
WP/5 (<i>Revision No. 2</i>)	3	Update on Asia Pacific Regional Aviation Safety Priorities and Targets	APRAST Co-chairs
WP/6	3	Update on Work Done by APAC-AIG	Chairman APAC-AIG
WP/7	3	Regional Capacity Building Action Plan	APRAST Capacity Building TF
WP/8	4	Establishment of an Accident Investigation Authority in Hong Kong, China	Hong Kong, China
WP/9	4	Regulation of Smaller Unmanned Aircraft Activities for Recreational Use	Hong Kong, China
WP/10	4	CANSO Standard of Excellence in Air Navigation Services – Safety	CANSO
WP/11	4	Basic Aviation Risk Standards	FSF
WP/12	4	Go-Around Decision-Making & Execution Project Report	FSF
WP/13	4	Global Safety Information Project	FSF
WP/14	4	Regional Data Collection, Analysis And Information Sharing for Aviation Safety	FSF/MITRE supported by Thailand, Singapore, Japan, and IATA
WP/15	5	Proposed RASG-APAC 2017-2018 Yearly and Standing Work Programmes	APRAST Co-Chairs
WP/16	4	Progress Report on the Implementation of the ICAO Universal Safety Oversight Audit Programme Continuous Monitoring Approach (USOAP CMA)	ICAO

RASG-APAC/7
Attachment B to the Report

WP NO.	AGENDA	TITLE	PRESENTED BY
WP/17	4	Proposed Global Strategy and Action Plan for the Improvement of Regional Safety Oversight Organizations (RSOOs) and the Establishment of a Global System for the Provision of Safety Oversight	ICAO
WP/18	7	Enhancing the Capacity of CAA Inspectors Discharging the Regulatory Oversight Functions	Secretariat
WP/19	3	Progress of Decision of APRAST 9/9 on the Development of Annual Safety Report of 2017	APRAST SRP WG
WP/20	3	Safety Enhancement Initiative (SEI) Output for RASG Consideration and Approval	Malaysia, Malaysia Airlines and AAPA

INFORMATION PAPERS

IP NO.	AGENDA	TITLE	PRESENTED BY
IP/1	-	List of Papers	-
IP/2	4	Enhancing Safety and Expanding Capacity; Implementation of ADS-B out in the United States	USA
IP/3	4	Safety Enhancement Initiative (SEI) Implementation Unstabilised Approaches	Pakistan
IP/4	4	PCAA'S Endeavour to Mitigate Laser Beam Affect upon Flight Safety	Pakistan
IP/5	4	RASG Activities in all Regions	Secretariat
IP/6	4	COSCAP-NA Programme update	COSCAP-NA
IP/7	4	Upset Prevention & Recovery Training (UPRT) in Managing Loss of Control – Inflight (LOC-I)	Singapore
IP/8	4	Cargo and Loading Incidents - Hong Kong Experience	Hong Kong, China
IP/9	4	COSCAP-SA Activities 2016-2017	COSCAP-SA
IP/10	4	ICAO Update	ICAO
IP/11	4	Prevention and Management of Pilot Mental Health	Republic of Korea
IP/12	4	Updates on Safety Reporting System	Republic of Korea

RASG-APAC/7
Attachment B to the Report

PRESENTATIONS

PPT NO.	AGENDA	TITLE	PRESENTED BY
01 (WP/7)	3	Regional Capacity Building Action Plan	APRAST Capacity Building TF
02 (WP/19)	3	Progress of Decision of APRAST 9/9 on the Development of Annual Safety Report of 2017	APRAST SRP WG
03	7	Runway Safety — Accidents and Precursors; Contributing Factors and Mitigations	IATA
04	7	Runway Excursion — Joint Safety Analysis and Implementation Team	IATA
05	7	Advisory Circular — Mitigating the Risks of a Runway Overrun Upon Landing	IATA
06	7	Advisory Circular — Landing Performance Data for Time-of-Arrival Landing Performance Assessments	IATA
07	7	Unstable Approaches: Risk Mitigation Policies, Procedures & Best Practices (2 nd Edition)	IATA
08	7	Runway Safety Maturity Checklist	IATA
09 (WP/14)	4	Regional Data Collection, Analysis And Information Sharing for Aviation Safety	FSF/MITRE supported by Thailand, Singapore, Japan, and IATA
10 (WP/17)	4	Global Aviation Safety Oversight System (GASOS)	ICAO
<i>Global Aviation Safety Update</i>			
ICAO Global Aviation Safety Update			ICAO
Update on Safety Management Programme Activities			ICAO
Application of Safety Margins for State Safety Risk Analysis and Prioritization			ICAO

LIST OF DECISIONS AND CONCLUSIONS OF THE RASG-APAC/7

LIST OF DECISIONS

Decision RASG-APAC 7/1 — Review of Progress of RASG-APAC/6 Decisions and Conclusions (WP/2)	
<p>That, the Meeting endorse the closure recommendation described for Decision RASG-APAC 5/6 in Attachment A and the 9 Decisions and 23 Conclusions of RASG-APAC/6 in Attachment B to WP/2 as closed as actions have been carried out to meet the intent of these Decisions.</p>	<p>Expected impact:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input checked="" type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
<p>Why: Achievement of global and regional aviation safety priorities and targets.</p>	
<p>When: Immediate</p>	<p>Status: Closed</p>
<p>Who: <input checked="" type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:</p>	

Decision RASG-APAC 7/2 — Update of RASG-APAC 2016/2017 Work Programme (WP/3)	
<p>That, the recommended items as described in the Attachment to WP/3 be closed and removed from the RASG-APAC 2016/17 Yearly Work Programme.</p>	<p>Expected impact:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input checked="" type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
<p>Why: Achievement of global and regional aviation safety priorities and targets.</p>	
<p>When: Immediate</p>	<p>Status: Closed</p>
<p>Who: <input checked="" type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:</p>	

RASG-APAC/7
Attachment C to the Report

Decision RASG-APAC 7/3 — Review of Decisions and Conclusions Adopted at APRAST/9 and APRAST/10 and its Progress (WP/4)

That, Conclusions adopted at APRAST/9 and APRAST/10 as described in Attachments A and B be endorsed.

Expected impact:

- Achievement of global and regional aviation safety priorities and targets
- Enhancement of USOAP effective implementation
- Monitoring and administration
- Capacity Building and Sharing of Information
- Inter-regional

Why: Achievement of global and regional aviation safety priorities and targets.

When: Immediate

Status: On-going

Who: Sub-groups APAC States ICAO APAC RO ICAO HQ Other:

Decision RASG-APAC 7/4 — Update on Asia Pacific Regional Priorities and Targets (WP/5)

That, the proposed changes to Regional Aviation Safety Priorities and Targets are approved:

- a) Title of Regional Priority 2 - “Improvements to safety oversight and compliance/Industry safety certification audits”;
- b) First target under Regional Priority 1 - “RASG-APAC to complete the development of current identified priority SEIs by ~~end-2016~~ end- 2017”;
- c) Fourth to sixth targets under Regional Priority 2 - “By ~~end-of 2017~~ 2020
 - (1) ~~maintain at least 60% of~~ increase the number of IOSA registered applicable APAC airlines ~~to be IOSA certified by 50% over end-2016 figures~~;
 - (2) ~~achieve at least 15% of~~ increase the number of ISSA registered applicable APAC airlines ~~to be ISSA certified by 15% over end-2016 figures~~;
 - (3) pursue ~~at least a 50% increase in ISAGO registrations over end-2016 figures~~”; and
- d) Third target under Regional Priority 4 - “By 2020, pursue 50% increase in participation in flight data

Expected impact:

- Achievement of global and regional aviation safety priorities and targets
- Enhancement of USOAP effective implementation
- Monitoring and administration
- Capacity Building and Sharing of Information
- Inter-regional

RASG-APAC/7
Attachment C to the Report

<p>sharing initiatives by of APAC air operators, with aircraft of mass 27,000kg and above, over end-2016 figures participating in flight data sharing initiative by 2016”.</p>	
Why: Update the regional aviation safety priorities and targets.	
When: Immediate	Status:
Who: <input checked="" type="checkbox"/> Sub-groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

Decision RASG-APAC 7/5 — Update on Asia Pacific Regional Priorities and Targets (WP/5)	
<p>That, APRAST review the Asia Pacific Regional Priorities and Targets to achieve greater alignment with the ICAO Global Aviation Safety Plan Goals and Targets, taking into account latest industry developments and current and emerging issues; and complete the review by RASG-APAC/8 in 2018.</p>	<p>Expected impact:</p> <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input checked="" type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input checked="" type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: Monitoring and exchange of information.	
When: RASG-APAC/8	Status: On-going
Who: <input checked="" type="checkbox"/> Sub-groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

Decision RASG-APAC 7/6 — Safety Enhancement Initiative (SEI) Output for RASG Consideration and Approval (WP/20)	
<p>That, the proposed guidance material as attached to the paper as the combined outputs of both SEI LOC/2 and SEI LOC/4 is approved.</p>	<p>Expected impact:</p> <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input checked="" type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: To achieve global and regional aviation safety priorities and targets.	
When: Immediate	Status: On-going
Who: <input checked="" type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

RASG-APAC/7
Attachment C to the Report

Decision RASG-APAC 7/7 — Proposed RASG-APAC 2017/2018 Yearly and Standing Work Programmes (WP/15)	
That, the proposed RASG-APAC 2017/2018 Yearly and Standing Work Programme is approved, as in Attachment D of this report.	Expected impact: <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input checked="" type="checkbox"/> Monitoring and administration <input checked="" type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: To achieve global and regional aviation safety priorities and targets.	
When: Immediate	Status: On-going
Who: <input checked="" type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: <i>Nokscoot</i>	

LIST OF CONCLUSIONS

Conclusion RASG-APAC 7/1 — Update on Work done by APAC-AIG (WP/6)	
That, States/Administrations be strongly encouraged to: <ol style="list-style-type: none"> a) Establish an independent accident investigation authority; b) Pledge support to the APAC Code of Conduct on Cooperation relating to Civil Aviation Accident/Incident Investigations; and c) Provide input to the APAC Database of Investigation Agencies. 	Expected impact: <input type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input checked="" type="checkbox"/> Enhancement of USOAP effective implementation <input checked="" type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
Why: Enhancement of USOAP Effective Implementation	
When: Immediate	Status: On-going
Who: <input type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

Conclusion RASG-APAC 7/2 — Regulation of small Unmanned Aircraft in Hong Kong, China (WP/9)

<p>That, ICAO be requested to:</p> <ul style="list-style-type: none"> a) Coordinate with ISO the work to enhance safety of UAS/RPAS; and b) expedite the development of appropriate classification, manufacture, operational and safety management of small UAS, including those for recreational use, with a view to enhancing public safety as well as safety of manned aircraft. 	<p>Expected impact:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
<p>Why: Enhancement of USOAP Effective Implementation.</p>	
<p>When: Immediate</p>	<p>Status: On-going</p>
<p>Who: <input type="checkbox"/> Sub-groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: ISO</p>	

Conclusion RASG-APAC 7/3 — Regional Data Collection, Analysis and Information Sharing Status Report (WP/14)

<p>That, States/Administrations, airlines and Industry organizations are encouraged to participate in the demonstration project for APAC Regional Data Collection, Analysis and information Sharing for Aviation Safety, by submitting a statement of intent as soon as possible. (The statement of intent is available in Appendix B of the Governance Plan Version 6)</p>	<p>Expected impact:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective implementation <input type="checkbox"/> Monitoring and administration <input type="checkbox"/> Capacity Building and Sharing of Information <input type="checkbox"/> Inter-regional
<p>Why: Achievement of global and regional aviation safety priorities and targets .</p>	
<p>When: December 2017</p>	<p>Status: On-going</p>
<p>Who: <input type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: <i>Airlines and Industry Organizations</i></p>	

Conclusion RASG-APAC 7/4 — ICAO USOAP CMA Implementation (WP/16)

<p>That States are urged to fulfil their obligations under the USOAP CMA Memorandum of Understanding (MOU) and to take actions as needed to provide up-to-date information on their safety oversight systems, with particular attention to:</p>	<p>Expected impact:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets <input type="checkbox"/> Enhancement of USOAP effective
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

RASG-APAC/7
Attachment C to the Report

<p>a) States with an SSC, focus on implementing sustainable corrective and immediate mitigation actions to resolve the SSC with a high priority;</p> <p>b) complete and update the Corrective Action Plans (CAPs) on the On-line Framework (OLF), as required;</p> <p>c) implement CAPs and report progress on the OLF, informing the ICAO Regional Office when ready for validation;</p> <p>d) complete the compliance checklist/EFOD and self-assessment of the PQs on the OLF, including uploading the evidence documents; and</p> <p>e) request assistance from the ICAO Regional Office and/or COSCAP/RSOO, if required.</p>	<p>implementation</p> <p><input type="checkbox"/> Monitoring and administration</p> <p><input type="checkbox"/> Capacity Building and Sharing of Information</p> <p><input type="checkbox"/> Inter-regional</p>
<p>Why: To achieve global and regional aviation safety priorities and targets.</p>	
<p>When: Immediate</p>	<p>Status: On-going</p>
<p>Who: <input type="checkbox"/> Sub-groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: <i>COSCAP / RSOO</i></p>	

<p>Conclusion RASG-APAC 7/5 —Regional Safety Oversight Organizations (RSOOs) (WP/17)</p>	
<p>That, ICAO present the proposed global strategy and action plan to improve RSOOs and the establishment of a global system for the provision of safety oversight, including the study of a proposed global aviation safety oversight system (GASOS), to the next APAC DGCA Conference for consideration and support.</p>	<p>Expected impact:</p> <p><input checked="" type="checkbox"/> Achievement of global and regional aviation safety priorities and targets</p> <p><input type="checkbox"/> Enhancement of USOAP effective implementation</p> <p><input type="checkbox"/> Monitoring and administration</p> <p><input type="checkbox"/> Capacity Building and Sharing of Information</p> <p><input type="checkbox"/> Inter-regional</p>
<p>Why: To achieve global and regional aviation safety priorities and targets.</p>	
<p>When: DGCA Conf</p>	<p>Status: On-going</p>
<p>Who: <input type="checkbox"/> Sub-groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other:</p>	

RASG-APAC 2017/2018 YEARLY AND STANDING WORK PROGRAMME

RASG APAC YEARLY WORK PROGRAMME (2017-2018)						
S/N	Decision RASG-APAC	APRAST Ref	Subject Ref (if any)	Champion	Brief Description	Status
1	4/10	Conclusion APRAST 5/13 Decisions APRAST 7/35, 8/12 APRAST/10 Report para 6.5.5	LOC 6	COSCAP-NA	Upset Prevention Recovery Training (UPRT)	APRAST/10 noted ICAO EB (EB 2017/21 AN 12/11.6) dated 12 April 2017 which notified ICAO Member States about the publication of Airplane Upset Prevention and Recovery Training Aid (AUPRTA) by ICAO (and OEMs) in February 2017 and the impending update of Manual on Aeroplane Upset Prevention and Recovery Training (Doc 10011). While the two documents would address SEI LOC/6 to a large extent, APRAST/10 requested that SEI WG consider providing guidance for regulators to implement ICAO UPRT requirements.
2	2/2 Decision RASG-APAC 7/6	Conclusion APRAST 2/51 Decision APRAST 8/10 Decision APRAST 10/6	LOC 2	AAPA	Hazard Identification and Risk Management. The implementation of safety management practices (hazard identification and risk management) into operational processes & decision making. (Paragraph 3.2 of LOC working group report refers.)	APRAST/10 agreed to combine LOC/2 and LOC/4, as both outputs make use of SMS principles and methodology. As the LOC/2 champion (AAPA) was absent from APRAST/10, LOC/4 champion (Malaysia) will coordinate with LOC/2 champion prior to RASG-APAC/7. RASG-APAC/7 approved that the outputs of LOC/2 and LOC/4 be combined. The guidance material for the combined LOC/2 and LOC/4 is approved. (Decision RASG-APAC 7/6 refers) Approved guidance material to be made available on the RASG-APAC/APRAST website and be uploaded onto the monitoring mechanism.
3	2/2 Decision RASG-APAC 7/6	Conclusion APRAST 2/53 Decision APRAST 8/11 Conclusion APRAST 10/9	LOC 4	DCA Malaysia	LOC 4 -- Flight Crew Proficiency. The appropriate use of trend information from Safety Management Systems (SMS) in the training and qualification processes to mitigate risk that could lead to a LOC event. (LOSA, non-punitive reporting systems, FDA, etc). (Paragraph 3.4 of LOC working group report refers.)	APRAST/10 noted that draft guidance material for LOC/4 had been circulated for comments within SEI WG, and is ready to be submitted to RASG-APAC/7 for approval. RASG-APAC/7 approved that the outputs of LOC/2 and LOC/4 be combined. The guidance material for the combined LOC/2 and LOC/4 is approved. (Decision RASG-APAC 7/6 refers) Approved guidance material to be made available on the RASG-APAC/APRAST website and be uploaded onto the monitoring mechanism.
4	4/4, 4/23	Decisions APRAST 5/9, 6/28 and 7/23 Conclusion APRAST 5/4 Decision APRAST 10/4 APRAST/10 Report para 6.5.11	-	APRAST Co-Chairs	Coordination with APANPIRG and its sub-groups Pursue the development of the coordination mechanism between APANPIRG and RASG-APAC at the next APANPIRG – RASG-APAC coordination meeting in 2015. The coordination mechanism should address issues such as: a. the attendance of RASG-APAC /APRAST representatives at relevant APANPIRG bodies and vice versa; b. the development of an analysis body (similar to the RMA/EMA models that report to RASMAG for vertical and horizontal safety analysis) that manages ATS safety concerns/occurrences for onward reporting to APRAST/RASG-APAC; and c. the review and endorsement of subsequent versions of the APAC Seamless ATM Plan by APANPIRG and RASG-APAC.	In addition to the progress updated at previous meetings, APRAST/10 agreed to focus on the following three issues: <i>large height deviations</i> , <i>English language proficiency</i> and <i>terrain/obstacle databases</i> , with respect to coordination between APANPIRG and RASG-APAC. Decision APRAST 10/4 refers. APRAST/10 also agreed for SRP WG to work with IATA to obtain more information on issues related to TCAS-RA and Large Height Deviations for further discussion at APRAST/11. (APRAST/10 Report para 6.5.11 refers)

RASG-APAC/7
Attachment D to the Report

S/N	Decision RASG-APAC	APRAST Ref	Subject Ref (if any)	Champion	Brief Description	Status
5	2/3, 4/23	Conclusions APRAST 2/2 and 5/2	-	Secretariat	Nomination of a point of contact (PoC) for RASG-APAC/APRAST activities	SL T 6/8.7 - AP0009/16(FS) was sent in Jan 2016 to seek updates on the nominated point-of-contacts (PoC). Reminders were sent to those States without nominees. There are still States without nominees. Reminders for nomination of PoC were sent to six remaining States in Feb 2017.
6		Decisions APRAST 7/3, 8/24	-	Secretariat Nokscout	Dedicated web portal for RASG-APAC/APRAST Develop a two-tier online access to RASG-APAC website to allow for: a. A documents management system for public view; and b. A protected workspace to allow APRAST members to collaborate and exchange working information. This item aims to enhance access and visibility of RASG-APAC/APRAST work and for more efficient collaboration among its members.	NokScout and Secretariat have outlined the scope and contents of the two-tier website. NokScout will continue to develop the website and later its website user guide. Pending further update from Nokscout.
7		Decision APRAST 8/8 Decision APRAST 9/2 Decision APRAST 9/3 Decision APRAST 10/2 Conclusion APRAST 10/4	-	APAC-AIG	Initiatives to improve accident investigation capabilities Identify potential initiatives to help improve accident investigation capabilities and USOAP AIG EI rates of States/ Administrations	Based on the results of the survey on training demands for AIG topics conducted in December 2016, APRAST/10 noted that a few of the training topics desired by States/Administrations had already been included in the APAC-AIG work plan. APAC-AIG identified possible training for States/Administrations, with the aim of achieving USOAP AIG EI rates, including the ICAO Asia Pacific Regional Accident Investigation Workshop which will be organised by APAC-AIG on 3-4 August 2017. APAC-AIG will review the training needs of States/Administrations, and where necessary, develop additional training, taking into consideration experience and feedback from training conducted in 2017.
8		Decisions APRAST 7/31, 8/13 Decision APRAST 10/5	RE 1	FSF and IFALPA	Causal factors with pilot decision to not go-around Promote pilot adherence to SOPs for approaches including go-around decision making	FSF presented to APRAST/10 its report on Go-Around Decision- Making and Execution Project Report related to SEI RE/1. FSF, with assistance from Secretariat, will disseminate the report to APRAST members, to seek comments on the report's recommendations, for discussion on possible next steps at APRAST/11.
9		Decision APRAST 8/21 Conclusions APRAST 8/11, 8/12	-	AP-SRP WG	Production of APAC Annual Safety Report Produce the 2016 APAC Annual Safety Report by the APRAST/9 meeting; and Produce the 2017 APAC Annual Safety Report for submission to RASG-APAC/7 for approval.	SRP WG had completed and published both the 'public' and 'member' versions of the Annual Safety Report 2016. The timeline of producing 2017 APAC Annual Safety Report was agreed at APRAST/10.
10		Decision APRAST 9/21 Conclusion APRAST 10/10	-	ICAO APAC	Organisation of suitable activities to improve AGA EI scores Consider organising suitable activities such as regional/ sub-regional workshops, to address gaps identified from the analysis of AGA EI scores	
11	Decision RASG-APAC 7/5 Decision RASG-APAC 7/7	-	-	APRAST Co-Chairs	Asia Pacific Regional Priorities and Targets That, APRAST review the Asia Pacific Regional Priorities and Targets to achieve greater alignment with the ICAO Global Aviation Safety Plan, taking into account latest industry developments and current and emerging issues; and complete the review by RASG-APAC/8 in 2018.	

RASG APAC STANDING WORK PROGRAMME

RASG-APAC/7
Attachment D to the Report

S/N	Decision RASG- APAC	APRAST Ref	Subject Ref (if any)	Champion	Brief Description	Status
S/N	Decision RASG- APAC	APRAST Ref	Subject Ref	Champion	Brief Description	Status
Nil						

**ENHANCING THE CAPACITY OF CAA INSPECTORS DISCHARGING THE REGULATORY
OVERSIGHT FUNCTIONS REPORTING TO PLENARY**

Discussion Topic	Experience shared	Possible solution
<p>1. How States has overcome its manpower needs (for regulatory inspectors) as the aviation activities evolves both at the national level as well, if applicable, at regional level, currently and as well as in the future.</p>	<p>a. The recruitment exercise usually select talents with the experience level / background to regulate specific flight operations (e.g. commercial airliners, general aviation operators, rotary / fixed wings operations etc). In reality, it can be difficult for CAAs to recruit line pilots to be FOIs due to pay difference. All areas have the same challenges such as lack of Qualified personnel available and Unclear career path, particularly in Flight Operations. CAA and aviation industry are competing for the same pool of qualified staff.</p> <p>b. Provide innovations and tools for inspectors & apply performance-based approach to enhance efficiency of surveillance (e.g. CAAC’s FSOP system to facilitate inspectors in conducting surveillance), Use a risk-based / performance-based oversight approach and provide the necessary training to FOIs to conduct risk-based surveillance. Ensure airlines have an effective SMS in place to manage their operational risks. FOIs/AWIs can then focus on systemic issues and conduct audits from a system level. Bear in mind that performance-based oversight / risk assessment process also come with issues (e.g. subjectivity/other considerations irrelevant to safety), standardised surveillance tools, audit checklist (AIDE Memoire), risk assessment matrix, partnership with industries on hazard id. & management etc can be helpful to make assessment more objective & focus surveillance resources on higher risk areas.</p>	<p>a. To address insufficient flight inspectors, CAA can consider recruiting from personnel with alternative flight ops background (e.g. Airforce) ,retired pilots and provide training to bridge the differences in experience / background. Use readily available industrial solutions as reference.</p> <p>b. Pay higher or at least minimize differences therefore remuneration is comparable to the industry.</p> <p>c. Having a pool of inspectors available from the regions for sharing and/or utilizing the ICAO TCB program.</p> <p>d. Delegate and/or authorized the industry or other agencies to perform some of the tasks.</p> <p>e. Balancing technical knowledge/experience with other skills or background (skill set).</p> <p>f. Bilateral agreement with other CAAs to reduce the workload.</p>

RASG-APAC/7
Attachment E to the Report

Discussion Topic	Experience shared	Possible solution
<p>1.1. Share challenges:</p> <p>1.2. Share possible solutions to overcome the challenges:</p>	<p>c. CAA does not have the autonomy to set recruitment schemes different from the rest of government.</p>	
<p>2. Considering the pace of technological advancement, how should CAA develop and implement its training programme such that CAA inspectors are able to deal with these technological advances in all aspects from developing new regulations to conducting safety oversight activities arising from these technological advancement.</p> <p>2.1 Share examples:</p> <p>2.2 Share experiences:</p>	<p>a. Arrange training for FOIs/AWIs in-house or require airlines to arrange training by the appropriate training organizations or manufacturers on those new operations / technology (e.g. EVS/HUD, drones).</p> <p>b. Include in orientation programme the basic regulatory/rule making methodology(e.g. review relevant guidance from the ICAO or other CAAs), understand manufacturers/ stakeholders’ technology and safety practices, and develop solutions that suits individual States’ regulatory needs (“solutions” include new regulations, training requirements for inspectors, safety promotion etc.).</p> <p>c. CAAs send inspectors to attend courses, conferences, seminars etc. to keep abreast with latest developments – the need to focus also on recurrent training.</p> <p>d. CAAs invite external parties (e.g. neighbouring states) to conduct training for their inspectors but can be costly.</p>	<p>a. Budget and provide recurrent training based on training need assessment (TNA) and other capability/skills (ex. communication, decision-making) Competency for inspectors</p> <p>b. Form working group / tasks force involving all the stakeholders for specific items.</p> <p>c. Close communication with industry to know their intension in advance.</p> <p>d. Send inspectors to regional training organisations for courses, seminars and symposiums where participants may be deemed to have completed their training by participating in these international events.</p> <p>e. Invite ICAO CAT missions to their states to advise how the CAA can develop and implement its training programme.</p>

RASG-APAC/7
Attachment E to the Report

Discussion Topic	Experience shared	Possible solution
<p>3. State to share experiences regarding:</p> <ul style="list-style-type: none"> a) Ability to attract sufficient qualified staff; b) Ability to maintain these qualified staff; c) Overcoming usual application of civil service policies onto CAA inspectors. <p>3.1 Share challenges:</p> <p>3.2 Share possible solutions to overcome the challenges</p>	<ul style="list-style-type: none"> a. FOI pay package / career development (no room for career advancement) less attractive than those offered by the private sector. Intangible benefits matter also e.g. work environment, prospects for professional and personal development, job security. b. FOI shortage made it infeasible for CAAs to release FOIs from duties for flying. Lack of flying opportunities may cause some FOIs to resign (fear of losing recency or flying skills). c. The nature of work and work arrangement with inflexible government policies are not that inspectors expected. d. Limitation of Primary legislative on the civil service remuneration structure and policies. e. Some CAAs have been able to attract and retain talent through scholarships and training bonds. 	<ul style="list-style-type: none"> a. CAAs should maintain an adequate level of FOI staffing, and offer flying opportunities for FOIs on a regular basis to stay current on their flying skills. Some States may offer flying arrangements once a week / month. Offer FOI/POI package pitched at a competitive level commensurate with airlines' Training Captain or other senior management position. b. Recruit, train and qualify the inspectors from zero. c. Better market CAA jobs to fresh graduates to attract sufficient qualified staff. Establish competitive remuneration structure to attract and retain qualified staff. Enhance/develop intangible benefits of CAA jobs. d. Provide more autonomy to CAA in formulating recruitment and remuneration schemes e.g. through corporatization.

RASG-APAC/7
Attachment E to the Report

Discussion Topic	Experience shared	Possible solution
<p>4. How can the APAC States support each other in order to enhance their safety oversight capacity, in particular, for the developing States.</p> <p>4.1 Share challenges:</p> <p>4.2 Share possible solutions to overcome the challenges:</p>	<p>a. Each State has its own resource problems.</p> <p>b. Lack of resources from States, Different regulation and requirement between States.</p> <p>c. Existing regional mechanisms (e.g. COSCAPs, CATs) have been useful in providing technical assistance to enhance safety oversight capacity for developing States.</p>	<p>a. Retain existing mechanisms as these have been effective; to continually review and enhance over time. Existing regional cooperation efforts: such as</p> <ul style="list-style-type: none"> a) 3 COSCAPs (-SA, -SEA and -NA) b) PASO; c) APAC CAT (Combined Action Team), d) ICAO Programme for Aviation Volunteers (IPAV); e) Capacity Building Task Force (RASG-APAC); f) Runway Safety Go-Team and g) SMS go-team. <p>b. Having a pool of regional inspectors or establishing RSOO for APAC. Inspector's attachment program to other States.</p> <p>c. Share experience / best practice in regional forums. Make the mentors or contact points in different area from States available to others States for enquiry and assistance. The support from senior management in CAA or even in Ministerial level.</p>
<p>5. Others :</p>		