



INTERNATIONAL CIVIL AVIATION ORGANIZATION

**THE SECOND MEETING OF THE APANPIRG AERODROMES  
OPERATIONS AND PLANNING – WORKING GROUP (AOP/WG/2)**

Yogyakarta, Indonesia, 3 – 5 June 2014

**Agenda Item 6: Update the AOP/WG Task List**

**APANPIRG AOP WORKING GROUP TASK LIST**

(Presented by the Secretariat)

**SUMMARY**

This Paper presents the AOPWG Task List for review and update.

This paper relates to –

**Strategic Objectives:**

- A: Safety – Enhance global civil aviation safety*
- B: Air Navigation Capacity and Efficiency – Increase Capacity and improve efficiency of the global civil aviation system*
- E: Environmental Protection – Minimize the adverse environmental effects of civil aviation activities*

**1. INTRODUCTION**

1.1 APANPIRG/24 in Decision 24/10 reviewed the AOPWG Task List and adopted the List as the current work programme for the AOP Working Group.

**2. DISCUSSION**

2.1 The following Attachments are appended to this paper:

Attachment 1: AOPWG's Terms of Reference

Attachment 2: The AOP Task List from the AOPWG/1 and APANPIRG/24 Meeting is presented for consideration and update.

**3. ACTION BY THE MEETING**

3.1 The Meeting is invited to:

- a) update the Task List as appropriate;
- b) review priority, target dates, action proposed including the overall status, associated strategic objectives and GPs of the subject Task List; and
- c) propose changes/updates as required.

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**TERMS OF REFERENCE OF AOPWG**

The Terms of Reference of AOPWG was approved by APANPIRG/22.

- Ensure the continuous and coherent development of the Asia/Pacific Regional Air Navigation Plan in the AOP Field in accordance with the GANP and GASP;
- Promote and follow up the implementation of the AOP requirements of the APAC ANP;
- Review, identify and address deficiencies in the provision of aerodrome installations, equipment and Services according to established procedures, and propose corresponding timely corrective actions to the shortcomings/deficiencies affecting aerodrome operations;
- Monitor developments in the field of aerodrome operations in the APAC Regions, new operational requirements and/or technological developments including environment aspects and make proposals to meet the operational requirements related to these developments; and
- Ensure AOP environmental initiatives are consistently identified and progressed, and report outcomes from AOP environmental initiatives.

## SUBJECT/TASKS LIST IN THE AOP FIELD

The priorities assigned in the list have the following connotation:

A = Tasks of a high priority on which work should be expedited;

B = Tasks of medium priority on which work should be under taken as soon as possible but not to the detriment of Priority "A" tasks; and

C = Tasks of medium priority on which work should be undertaken as time and resources permit but not to the detriment of priority "A" and "B" tasks.

TOR = Terms of Reference of the Sub-Group

No.	Ref	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed	Action by	Target Date	Status
AOPWG/1/1	AOPWG/1	A & C GPI 13 and 14	Establish a base line on the APAC State's requirements through a preliminary survey. Review and monitor at each AOP/WG Meeting the status of progress.	A	Develop survey questionnaire, circulate to APAC States and receive completed questionnaire from APAC States.	AOPWG	2014	Completed
AOPWG/1/2	APANPIRG/18 Conclusion 18/1  APANPIRG Conclusion 21/2  RAN meeting – Asia/PAC/3, rec 4/6	A  GPI-13 Aerodrome design and management GPI-14 Runway operations	<u>Bird Control Committee</u> Assist States to establish a national bird control committee to: a )study, analyze and adopt measures to prevent bird hazards in its aerodromes and their vicinity, and  b) monitor the implementation of a bird control programme by the aerodrome operator, to evaluate its effectiveness and suggest measures for improvement  <u>Wildlife hazard reduction</u> Assist States confronting problems of wild life/bird strike hazard to develop and implement an effective wildlife hazard management plan with procedures to control wildlife at or near airports	B	States establish bird strike committee.  Monitor the establishment of a bird strike committee by the remaining administrations.  Monitor the development and implementation of wildlife hazard management plan.	States  AOPWG  States	2016	19 states have established  In progress  Wildlife seminar conducted in May 2014
AOPWG/1/3	APANPIRG 18 Conclusion 18/62  APANPIRG 21 Conclusion 21/54	A	<u>Air Navigation Deficiencies- AOP</u> Assist States to establish action plans with fixed target dates for resolution of safety related deficiencies	A	States to develop Corrective action plan to resolve deficiencies. Monitor resolution of air navigation deficiencies	states	2015	In progress  Refer WP/8

No.	Ref	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed	Action by	Target Date	Status
AOPWG/1/4	APANPIRG APAC ANP, Doc 9673, Volume I	A GPI 13 and 14	Review and monitor the implementation of the requirement for aerodrome certification (Annex 14, Vol. I)	A	Monitor implementation of aerodrome certification	States/ AOPWG	2015	In progress Refer WP/13
AOPWG/1/5	APANPIRG APAC ANP, Doc 9673, Volume I	A GPI 13 and 14	Review and monitor the implementation of the requirement for safety management system at aerodromes. (Annex 14, Vol. I)	A	Monitor implementation of SMS at certified aerodromes	States/ AOPWG	2017	In progress Refer WP/13
AOPWG/1/6	RAN ASIA/PAC/3 Rec 4/10	A GPI 13 and 14	Review and monitor the status of implementation of visual aids and of provision of resources for ensuring preventive maintenance, human factors and progress in technology development in order to achieve increased safety and capacity.	B	Monitor implementation	AOPWG	Continuous basis	In progress
AOPWG/1/7	APANPIRG/19 RAN – ASIA/PAC/3, Conc 4/4	A GPI 13 and 14	Review the provision of rescue and firefighting services and emergency planning at international aerodromes in the APAC Region.	A	Monitor provision of Rescue fire Fighting trucks, equipment, training and conduct of emergency exercise	States/ AO/ AOPWG	2015	In progress
AOPWG/1/8	APANPIRG/20 RAN recommendation ASIA/PAC/3, rec 4/2	A GPI 13 and 14	Review and monitor the measurement and reporting by States of the surface condition and unevenness on movement areas at aerodromes in the APAC Region.	A	Monitor the availability of equipment for periodic measurements and reporting	States/	Continuous basis	In progress
AOPWG/1/9	APANPIRG 22	A GPI 13 and 14	Review States efforts to allocate the necessary resources to ensure the establishment of preventive maintenance at their aerodromes in order to provide adequate maintenance of facilities, installations and services.	B	Monitor the availability of Aerodrome Maintenance plan	States/ AO/ AOPWG	2015	In progress
AOPWG/1/10	TOR	A	Review, at each AOP/WG Meeting, the content of the Table AOP 1 and, where necessary, after coordination with users and operators; and introduce the respective changes to the APAC ANP and FASID through the established ICAO procedures.	A	States update FASID Table	States/ AOPWG	Continuous	In progress
AOP/WG/1/11	APANPIRG 23	A GPI 13 and 14	Review and monitor the status of implementation of the obstacle limitation surface	A	Monitor the status of implementation	States/ AOPWG	2015	In progress

**AOPWG Task List- Status**

TASKS	Responsibility	Australia	Bangladesh	Bhutan	Brunei	Cambodia	China	Hong Kong China	Macao, China	Cook Islands	DPR Korea	Fiji	India	Indonesia	Japan	Kiribati	Laos PDR	Malaysia	Maldives	Marshall Islands	Micronesia	Mongolia	Myanmar	Nauru	Nepal	New Zealand	Pakistan	Palau	Papua New Guinea	Philippines	Republic of Korea	Samoa	Singapore	Solomon Islands	Sri Lanka	Thailand	Timor Leste	Tonga	Vanuatu	Viet Nam		
<b>AERODROME CERTIFICATION 2014 - 2015</b>																																										
Establish a regulatory framework specifying the criteria for the certification of aerodromes.	State	Yes	Yes					Yes	Yes		Yes	Yes		Yes	Yes			Yes	Yes			Yes	Yes			Yes	Yes			Yes	Yes	Yes	Yes			In progress						
Establish a regulatory authority (CAA)	State	Yes	Yes	Yes	Yes	Yes		Yes	Yes	No	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes			Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes			Yes	Yes	
Develop and approve aerodrome certification regulations and standards	CAA	Yes	Yes	Yes	In progress	Yes		Yes	Yes	Yes	Yes	In progress	Yes	Yes	Yes		No	Yes	Yes			Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes			Yes	Yes
Develop, issue and maintain guidance material and Advisory circulars on aerodrome certification for service providers.	CAA	Yes	Yes					Yes	Yes			In progress			Yes			Yes	Yes			Yes	Yes			Yes	Yes			Yes	Yes	Yes	In progress			In progress						
Establish an entity within CAA responsible for aerodrome safety oversight and staffing requirements. Develop Manual of Aerodrome oversight procedures and Aerodrome Inspector Handbook	CAA	Yes	Yes					Yes	Yes			Yes		Yes	Yes			Yes	Yes			Yes	Yes			Yes	Yes			Yes	Yes	In progress	Yes			Yes						

TASKS	Responsibility	Australia	Bangladesh	Bhutan	Brunei	Cambodia	China	Hong Kong China	Macao, China	Cook Islands	DPR Korea	Fiji	India	Indonesia	Japan	Kiribati	Laos PDR	Malaysia	Maldives	Marshall Islands	Micronesia	Mongolia	Myanmar	Nauru	Nepal	New Zealand	Pakistan	Palau	Papua New Guinea	Philippines	Republic of Korea	Samoa	Singapore	Solomon Islands	Sri Lanka	Thailand	Timor Leste	Tonga	Vanuatu	Viet Nam	
<b>SMS AT CERTIFIED AERODROMES 2014 - 2015</b>																																									
Develop and establish the action plan on safety targets, hazard reporting, staff training, safety oversight, guidance material and accepted level of safety	CAA	Yes	In progress					Yes	Yes			In progress		In progress	Yes			Yes	In progress			SSP manual In progress	In progress			In progress 2015	-			In progress SSP organization	Yes		Yes			Yes					

TASKS	Responsibility	Australia	Bangladesh	Bhutan	Brunei	Cambodia	China	Hong Kong China	Macao, China	Cook Islands	DPR Korea	Fiji	India	Indonesia	Japan	Kiribati	Laos PDR	Malaysia	Maldives	Marshall Islands	Micronesia	Mongolia	Myanmar	Nauru	Nepal	New Zealand	Pakistan	Palau	Papua New Guinea	Philippines	Republic of Korea	Samoa	Singapore	Solomon Islands	Sri Lanka	Thailand	Timor Leste	Tonga	Vanuatu	Viet Nam
<b>WILDLIFE HAZARD CONTROL AND REDUCTION 2014 - 2015</b>																																								
Establishment of a national procedure for recording and reporting wildlife strikes to aircraft	State	Yes	Yes				Yes	Yes		Yes	In progress		Yes	Yes			Yes	Yes			Yes	Yes			Yes	-			Yes	Yes	In progress	Yes			Yes					
Establishment of a national bird control committee	State	Yes	Yes				Yes 2009	Yes	Yes	Yes	Yes 2010	Yes	Not yet	Yes			Yes	Yes 2008			Yes 2012			Yes	Yes	Yes			In progress	Yes	No	Yes 2010			Yes		Yes			
Conduct wildlife assessments and implement wildlife control programmes. Airports develop and professionally implement management plan to reduce the risk of strikes.	AO	Yes	under review-2014				Yes	Yes			In progress		In progress	Yes			Yes 2012	yes			2012				Yes	In progress			In progress	Yes	Yes	Yes			In progress					
Land use management inside and in the vicinity of airport	AO	Yes	In progress				Yes	Yes			Yes		detailed land use in progress planning surrounding airport	Yes			In progress 2013	In progress			2012-2015	In progress			Yes	-			In progress	Yes	No	Yes			In progress					
States collect wildlife strike reports and forward to ICAO for inclusion in the ICAO IBIS (data base)	State	Yes	Yes				Yes	Yes		Yes	In progress Jun 2010		Yes	In progress			In progress 2013	In progress			In progress	Yes			No	In progress			In progress	yes	In progress	Yes			Yes					
Wildlife hazard management training for airport personnel	AO	Yes	In progress				Yes	Yes			In progress		Yes	In progress			Yes 2012	In progress			-				Yes	In progress			In progress	Yes	Yes	In progress			Yes					

TASKS	Responsibility	Australia	Bangladesh	Bhutan	Brunei	Cambodia	China	Hong Kong China	Macao, China	Cook Islands	DPR Korea	Fiji	India	Indonesia	Japan	Kiribati	Laos PDR	Malaysia	Maldives	Marshall Islands	Micronesia	Mongolia	Myanmar	Nauru	Nepal	New Zealand	Pakistan	Palau	Papua New Guinea	Philippines	Republic of Korea	Samoa	Singapore	Solomon Islands	Sri Lanka	Thailand	Timor Leste	Tonga	Vanuatu	Viet Nam			
<b>AERODROME SAFETY MEASURES 2014 - 2015</b>																																											
Establishment of regulations on monitoring the obstacle limitation surfaces.	State	No	Yes		Yes			Yes	Yes		Yes	Yes	Yes	Yes	Yes			Yes	Yes							Yes		Yes	Yes	Yes	Yes	Yes		Yes									
Monitoring the height of buildings or structures within the boundaries of OLS.	AO	Yes	Yes					Yes	Yes			Yes		Yes	Yes			Yes	In progress			Yes	Yes			Yes	In progress 2015			yes	Yes	Yes		In progress			Yes						
Establish the requirement for the measurement of runway surface friction characteristics by aerodrome operators.	State		Yes					Yes	Yes		Yes															Yes																	
Measurement and reporting of friction characteristics of wet paved runways	AO	Yes	In progress					Yes	Yes			Jan-11		Yes	Yes			Yes	Yes			Yes	Yes			Yes	Yes			yes	Yes	No	In progress			In progress							
Procurement of a friction measuring device	AO	Yes	Yes					Yes	Yes			Jan-11		Yes at some airports	Yes			Yes	procured for MIA, GIA in progress			Yes	Yes			Yes	Yes			In progress	Yes	No	Yes			In progress							
Establishment of maintenance friction level below which corrective action should be initiated	State	Yes	In progress					Yes	Yes		Yes	Jan-11		Yes	Yes			Yes	In progress			In progress	In progress			Yes	-			In 2013	Yes	In Progress	Yes			In progress							
Establishment of minimum friction level below which information that a runway may be slippery when wet is made available.	State	Yes	Yes					Yes	Yes			Jan-11		Yes	Yes			Yes	In progress			In progress	In progress			Yes	-			In progress 2013	Yes	In Progress	Yes			In progress							
Provision of runway end safety area:	AO	Yes	In progress					Yes	Yes			In progress		In progress	Yes			Yes	In progress			2011-2014	In progress			Yes	In progress			Yes	Yes	Yes	Yes			yes							
Establishment of regulations for Visual aids to be provided at airports for the required category by aerodrome operators	State							Yes	Yes		Yes															Yes																	
Established the requirements for aerodrome maintenance plan including preventive maintenance by aerodrome operators	State	No. CASA is reviewing Standards MOS Part 139	Yes			Yes		Yes	Yes		Yes			Yes				Yes								Yes			No	Yes		Yes.			Yes								
Provision of enhanced visual aids and markings to help prevent runway incursions	AO	In progress	In progress					Yes	Yes			In progress		In progress	Yes			Yes	In progress			2011-2014	Yes			Yes	In progress			Yes	Yes	No	Yes. 2009			yes							

TASKS	Responsibility	Australia	Bangladesh	Bhutan	Brunei	Cambodia	China	Hong Kong China	Macao, China	Cook Islands	DPR Korea	Fiji	India	Indonesia	Japan	Kiribati	Laos PDR	Malaysia	Maldives	Marshall Islands	Micronesia	Mongolia	Myanmar	Nauru	Nepal	New Zealand	Pakistan	Palau	Papua New Guinea	Philippines	Republic of Korea	Samoa	Singapore	Solomon Islands	Sri Lanka	Thailand	Timor-Leste	Tonga	Vanuatu	Viet Nam
<b>AERODROME EMERGENCY PLANNING 2014 - 2015</b>																																								
Establish aerodrome emergency plan document	AO	Yes	Yes				Yes	Yes			In progress		Yes	Yes			Yes	MIA-yes GIA-in progress			Yes	Yes			Yes	-				Yes	Yes	Yes	Yes			Yes				
Conduct full scale aerodrome emergency exercise at intervals not exceeding two years	AO	Yes	VGHS & VGEG-yes				Yes	Yes		Yes	Yes		In progress	Yes			Yes	MIA-yes GIA-in progress			2010-2012	2010			Yes	-			2011	Yes	Yes	Yes. Every year			In progress					
Partial emergency exercises in the intervening year to ensure that any deficiencies found during the full scale aerodrome emergency exercise have been corrected	AO	Yes	In progress				Yes	Yes			In progress		In progress	Yes			Yes	Yes			2010-2012	2013			Yes	-			In progress	Yes	Yes	N/A			In progress					
Establish procedure for emergencies in difficult environments at those airports located close to water and/or swampy areas or difficult terrain.	State	Yes	Under review				Yes	Yes			In progress		Yes	Yes			In progress 2013	MIA: Yes, GAN: in progress					In progress		Yes	-			In progress	Yes	Yes	Yes			In progress					
Establish the requirement for provision of fire trucks, equipment and trained personnel relevant to the ARFF category	State		Yes				Yes	Yes		Yes															Yes															