ICAO APAC WHM Go Team Assistance Mission Programme Document

1. Purpose

This document offers a structured program for a five-day mission of an ICAO Wildlife Hazard Management (WHM) Go Team. The program content may be customised to align with the specific needs and environment of the Host State.

2. Preparations Before the Mission

The leader of the Go Team mission should send an ICAO APAC <u>questionnaire</u> on WHM to the Host State at least 6 weeks before the mission. The Host State is expected to complete the questionnaire at least two weeks before the mission, enabling a better understanding of their WHM requirements and challenges. The Host State is also expected to identify and invite well in advance relevant stakeholders in their State to participate in the Go Team activities.

Members of the Go Team mission should send necessary documents to the Host State for security clearance and preparation of airside permits. The onus of obtaining the necessary permits and clearances for airside access shall be the sole responsibility of the State in coordination with the airport well in advance taking into consideration the duration of the Go Team program, as the State specific security regulations may vary and the application process take time.

3. Mission Program

The Go Team may follow or adapt the mission program detailed below to suit the needs of the Host State. The program should be communicated at least two weeks in advance to the Host State for effective coordination and planning with relevant stakeholders.

Day	Activities	Action By or Participants
Day 1	Initial meeting and introductions	Host State and Go team
	Explain mission by Go Team, including objective of mission, ICAO requirements and guidance on WHM e.g. Annex 14, doc 9137 Part 3, and industry guidance (WBA, ACI guidance)	Go Team
	Explain the framework of State Safety Programme (SSP) to establish a national plan and procedures related to wildlife hazard management, not only at the aerodrome but also in its vicinity.	Host State
	Present an overview of WHM in State, including regulations, SSP, national plan, procedures, established committees, and wildlife strikes data.	Host State
	Identify and review key WHM concerns and adjust mission program as needed based on the questionnaire completed by Host State before the mission and the discussions in the morning of Day 1.	Host State and Go Team

Day	Activities	Action By or Participants
Day 2	Morning session - discussion on key concerns and actions taken so far.	Host State and Go Team
	Considering location, resourcing, and any environmental factors, discuss potential practical mitigation options available.	
	Afternoon session - Fieldwork to assess current WHM practices such as:	
	 Habitat management; Risk assessment and mitigation; Identification of species, wildlife survey and monitoring, and strike data; and Wildlife hazard control measures. 	
Day 3	Based on discussions and evidence gathered on previous days and in consultation with the Go Team, Host State to propose an outline action plan and to prepare roadmap to progress and complete action plan.	Go Team accompanied by the relevant stakeholders of the Host State
	Reference documents for preparation of action plan and roadmap:	
	 State WHM Program and documents, e.g. audit procedure Airport WHM Plan (agree on an alternative if Airports do not have a WHMP, e.g. any relevant documents available providing essential elements of a WHM Plan) State regulations and procedures related to WHM 	
Day 4	In the morning, continuation of discussion on recommendations and action plan.	Host State and Go Team
	In the afternoon draft initial report consisting of:	
	 Key observations: Summary of Key WHM Concerns: Go-Team members should compile a concise summary of the most critical WHM concerns identified during the mission (Day 1-4). These should be the issues that have the highest potential impact on aviation safety. 	Go Team
	Observations: Achievements and opportunities for improvements in the Host State's existing	

Day	Activities	Action By or Participants
	WHM program covering aspects such as documentation, training, monitoring, reporting, and coordination. Detailed WHM Findings: Provide details of the WHM situation in the host state based on the mission's observations. Implementation of ICAO SARPs recommended practices of international associations guidance related to WHM. Identify and document any areas where there may be deviations or room for improvement. Recommendations: Mitigation Measures and enhancements to existing practices: Offer specific recommendations for addressing the identified and emerging WHM concerns. These recommendations should be actionable and tailored to the context of the Host State. These may include suggestions to improve existing regulatory framework, protocols, equipment, or training programs. Discussions of potential improvements in implementation of ICAO SARPs. Roadmap Timelines: Develop a timeline for implementing the recommended actions. Specify short-term and long-term goals, indicating when each action should be completed. Action Items: List the specific tasks or actions required to achieve each recommendation. These action items should be detailed, outlining the steps needed to carry out the recommendations effectively.	
Day 5	Presentation of initial report with preliminary observations and recommendations, recommended action plan and roadmap to undertake and	Go Team and Relevant Stakeholders
	complete agreed actions.	II C
	Discussions and comments on initial report	Host State and relevant Stakeholders

4. Follow Up After the Mission

The Go Team should submit a final report on the mission based on the agreed initial report to the Host State with a copy to the Regional Office of ICAO APAC within 6 weeks after the mission.

The Host State should review and provide any comment on the report back to the Go Team via the Regional Office of ICAO APAC within 3 months after receiving the report.

References

- Annex 14 Aerodromes
- Annex 19 Safety Management
- Doc 9981 PANS Aerodrome
- Doc 9137 Part 3 on Wildlife Hazard Management of the Airport Services Manual
- Doc 9332 Manual on the ICAO Bird Strike Information System (IBIS) (new 2024 edition expected)
- WHM Go Team Methodology (Appendix D to WHM-WG/5 Report)
- ACI Wildlife Hazard Management Handbook
- ICAO APAC Regional WHM documents (under the AGA tab)
- Survey Questionnaire State's problems /issues /deficiencies on Wildlife Hazard Management (Attachment to State Letter T 11/5.9 AP069/19 (AGA))
- WBA guidance documents

Additional References

- Australian Airport Association (AAA) Airport Practice Note 9 Wildlife Hazard Management at Airports
- Australian Airport Association (AAA) Airport Practice Note 6 Managing Bird Strike Risk-Species Information
- <u>Australian Aviation Wildlife Hazard Group (AAWHG) Recommended Practice 1.3 Wildlife Risk Assessment and Analysis</u>

- End -

		State's USOAP EI in WHM AGA Area									
	(Date: 19 April 2024) Surgeri STABS 4.0 DO Testen										
Source: iSTARS 4.0, PQ Tester											
. No.	State	WH	IM Protocal Question	(Satisfactory = 1, U	nsatisfactory = 0)		Total (Satisfactory)	Average EI	Average EI Range (%)		
		8.328 (CE-5)	8.329 (CE-8)	8.331 (CE-6)	8.333 (CE-1)	8.335 (CE-8)				Activity	Date
1	Afghanistan	0	0	0	0	0	0	0	0	Documentation-base Audit	02-16/12/2019
2	Australia	1	1	1	1	1	5	100	81-100	Focus Audit	12-19/09/2023
3	Bangladesh	0	1	1	0	0	2	40	21-40	ICVM	19-27/09/2017
4	Bhutan	1		1	1	1	4	80	61-80	ICVM	7-16/08/2018
5	Brunei	1	1	1	1	1	5	100	81-100	CMA Audit	17/02-01/03/2007
6	Cambodia	0	0	0	0	0	0	0	0	CMA Audit	10-21/12/2018
7	China	1	0	1	1	1	4	80	61-80	CMA Audit	20/03-03/04/2007
8	Cook Islands						0	0	0		Nill AGA Activity
9	DPR Korea	1	1	1	1	1	5	100	81-100	CMA Audit	26/05-04/06/2008
10	Fiji	1	1	1	1	1	5	100	81-100	ICVM	27/08-04/09/2019
11	India	1	1	1	0	1	4	80	61-80	ICVM	09-16/11/2022
12	Indonesia	1	1	0	1	0	3	60	41-60	ICVM	10-18/10/2017
13	Japan	1	1	1	1	1	5	100	81-100	CMA Audit	14-23/06/2010
14	Kiribati						0	0	0		Nil USOAP Activity
15	Lao PDR	1	0	1	0	0	2	40	21-40	ICVM	21-27/04/2015
16	Malaysia	0	0	1	0	1	2	40	21-40	CMA Audit	2-12/5/2016
17	Maldives	1	1	1	1	1	5	100	81-100	ICVM	16-22/06/2014
18	Marshall Islands	0	0	0	0	0	0	0	0	CMA Audit	25-28/05/2010
19	Micronesia	0	0	0	0	0	0	0	0	CMA Audit	13-17/12/2010
20	Mongolia	1	1	1	1	1	5	100	81-100	CMA Audit	28/06-07/07/2010
21	Myanmar	1	0	0	1	0	2	40	21-40	CMA Audit	100-21/12/2018
22	Nauru	0	0	0	0	1	1	20	1-20	CMA Audit	03-03/03/2008
23	Nepal	1	1	0	0	0	2	40	21-40	CMA Audit	13-25/04/2022
24	New Zealand	1	0	1	0	0	2	40	21-40	CMA Audit	05-15/12/2016
25	Pakistan	1	1	0	1	0	3	60	41-60	CMA Audit	29/11-10/12/2021
26	Palau	1	0	0	1	0	2	40	21-40	CMA Audit	22-26/11/2010
27	Papua New Guinea	1	1	1	0	0	3	60	41-60	CMA Audit	14-26/06/2023
28	Philippines	1	1	0	0	0	2	40	21-40	ICVM	30/05/08/06/2017
29	Rep. of Korea	0	1	1	0	1	3	60	41-60	CMA Audit	13-22/05/2008
30	Samoa	1	0	1	0	0	2	40	21-40	CMA Audit	11-16/02/2010
31	Singapore	1	1	1	1	1	5	100	81-100	Virtual ICVM	16-19/11/2021
32	Solomon Islands	1	0	0	0	1	2	40	21-40	CMA Audit	27/03-4/04/2006
33	Sri Lanka	1	1	1	1	1	5	100	81-100	CMA Audit	25/10-04/11/2010
34	Thailand	1	1	0	1	0	3	60	41-60	ICVM	14-21/05/2019
35	Timor Leste		0	0	0	0	0	0	0	CMA Audit	07-10/12/2010
36	Tonga	1	0	1	0	1	3	60	41-60	ICVM	18-27/11/2019
37	Tuvalu						0	0	0		Nil USOAP Activity
38	Vanuatu	0	0	0	0	0	0	0	0	ICVM	18-27/11/2019
39	Viet Nam	1	0	0	1	0	2	40	21-40	ICVM	15-21/06/2016
-		-	APAC WHM EI Ave					50,26		1	1

PQ/CE	Description of PQ	PPQ
8.328 (CE-5)	Has the State developed industry guidance material to assist aerodrome operators to develop a wildlife (birds and animals) strike hazard study or assessment for each of their aerodromes?	No
/	Does the State collect and forward wildlife strike reports to ICAO?	No
8.331 (CE-6)	Does the State ensure that aerodrome operators take appropriate action to decrease the hazard of wildlife strikes?	No
8.333	Has the State promulgated regulations to: a) require a wildlife (birds and animals) strike hazard study or assessment for each of its aerodromes, and b) control the development of facilities likely to attract wildlife on or in the vicinity of an aerodrome?	No
	Has the State established and implemented a process to mitigate against an increase or potential increase in the wildlife strike hazard due to land use development likely to attract wildlife around an aerodrome?	No

ASIA PACIFIC GENERIC GUIDANCE MATERIALS AND CUSTODIANS

Procedure for periodic review and update of the Asia/Pacific Generic Guidance Materials in the area of Aerodromes and Ground Aids

1. INTRODUCTION

- 1.1 In accordance with the TORs and task lists of the various Working Groups and Task Forces of AOP/SG, a number of Generic Guidance Materials (GGMs) were developed by these Working Groups/Task Forces and approved by AOP/SG and APANPIRG. All Generic Guidance Materials are published on ICAO APAC Website at eDocuments Webpage under AGA heading for use/reference by States/Administrations and can be accessed using URL: https://www.icao.int/APAC/Pages/eDocs.aspx.
- 1.2 The list of Asia/Pacific GGMs developed by various Working Groups and Task Forces and approved by AOP/SG and APANPIRG including the details of the Custodians is provided in **Attachments A to D**.

2. PROCEDURE

- 2.1 The Working Groups/Task Forces identify a custodian of the individual Asia/Pacific GGM from State(s)/ International Organization(s)/Industries with the responsibility to review and update the respective Asia/Pacific GGM(s) in coordination with ICAO APAC Office whenever it becomes necessary.
- 2.2 For periodic review and update of the Asia/Pacific GGMs in the area of AGA in future, the following process should be followed by the Custodians and the Secretariat:
 - a) The Secretariat would inform to the respective custodian(s) of the Asia/Pacific GGM(s) once ICAO approved amendments to ICAO SARPs and PANS-Aerodromes (Doc 9981), revisions to Airport Services Manuals and other relevant ICAO documents that may necessitate the review and update of the GGM(s);
 - b) The Secretariat/Custodian(s) exchange information about newly developed States/Industries good practices relevant to Asia/Pacific GGM(s) as soon as they become aware of their availability;
 - c) The custodian of the respective GGM coordinates with the relevant subject matter experts of the respective Working Group/Task Force and the Secretariat to initiate the review of the GGM:
 - d) Once the review and revision of the GGM is completed the custodian would present the revised GGM through the Working Paper at the respective WG/TF meeting for its endorsement with a draft conclusion for adoption by the AOP/SG; and
 - e) After the adoption of the draft conclusion by the AOP/SG the revised GGM(s) should be uploaded by the Secretariat on the ICAO APAC Website on eDocuments Webpage under AGA heading.

Attachment A

List of GGMs developed by AP-AA/WG and approved by AOP/SG with details of the custodians

S. No	APAC Generic Guidance Materials	Edition/Version, Date	States involved in the Development of Generic Guidance Materials	Custodian (Responsible party for future review and updates)
1	Asia Pacific Regional Guidance on AIP – AD 1.5 Status of Certification of Aerodromes	Version 1.0, Dec 2020	Secretariat	Secretariat apac@icao.int pshakya@icao.int
2	Generic Aerodrome Certification Procedure	Version 1.0, Dec 2020	Thailand (lead) and Philippines	Thailand - Mr. Teeravee Yongwattanajiaranon (Ling) teeravee.y@caat.or.th
3	Generic Procedures for Accepting Non- compliance in Aerodromes	Version 1.0, Dec 2020	Nepal (lead) and Malaysia	Nepal - Mr. Babu Ram Paudel paudelbabu@gmail.com
4	Generic Training Programme and Training Plan for Aerodrome Inspectors	Version 1.0, 2 July 2021	India	India - Mr. Amit Srivastava amits.dgca@nic.in
5	Generic Aerodrome Inspector Handbook	Version 2.0, 2023	Thailand (lead) and Bangladesh	Thailand - Mr. Teeravee Yongwattanajiaranon (Ling) teeravee.y@caat.or.th
6	Generic Aerodrome Manual	Version 1.0, 2 July 2021	India	India - Mr. Sudhir Singh sudhir singh@hotmail.com and Mr. Amit Srivastava amits.dgca@nic.in
7	Generic Aerodrome Certification Specific Operating Regulations	Version 1.0, 2 July 2021	Malaysia (lead), India and Nepal	Malaysia - Mr. Mahyuddin Bin Sajuri mahyuddin@caam.gov.my
8	Generic Organization Structure of the Aerodrome Regulatory Unit	Version 1.0, 2 July 2021	Malaysia (lead), India and Nepal	Malaysia - Mr. Mahyuddin Bin Sajuri mahyuddin@caam.gov.my
9	Generic Surveillance Programme by Aerodrome Operators	Version 1.0, 2 July 2021	Malaysia (lead), India and Nepal	Malaysia - Mr. Mahyuddin Bin Sajuri mahyuddin@caam.gov.my
10	Generic Surveillance Programme for Certified Aerodromes	Version 1.0, August 2022	Malaysia (lead), India and Nepal	Malaysia - Mr. Mahyuddin Bin Sajuri mahyuddin@caam.gov.my

11	ICAO Asia-Pacific Aerodrome Assistance Go-Team Methodology	Draft, March 2023	ACI	ACI - Mr. SL Wong sl@aci-asiapac.aero ICAO Secretariat apac@icao.int
12	Asia-Pacific Generic Aerodrome Enforcement Policy and Procedures Manual	Draft, March 2023	Malaysia (Lead) and India	Malaysia - Mr. Mahyuddin Bin Sajuri mahyuddin@caam.gov.my
13	Asia-Pacific Generic Aerodrome Exemptions Policy and Procedures Manual	Draft, March 2023	Australia (Lead) and India	Australia [TBC]
14	Asia-Pacific Generic Aerodrome SMS Evaluation Tool and Guidance	First Edition, 2024	Thailand (Lead), Australia, and Maldives.	Thailand - Angsana Panmongkon angsana.r@caat.or.th

Attachment B

List of GGMs developed by AP-WHM/WG and approved by AOP/SG with details of the custodians

S. No	APAC Generic Guidance Materials	Edition/Version, Date	States involved in the Development of Generic Guidance Materials	Custodian (Responsible party for coordination for future review and updates)
1	Composition of National Wildlife Hazard Management Committee	Sep. 2019	Nepal, Bhutan, Lao PDR	Nepal Mr. Deo Chandra Lal Karna, d_karna@hotmail.com
2	Terms of References of National Wildlife Hazard Management Committee	Sep. 2019	Nepal, Bhutan, Lao PDR	Nepal Mr. Deo Chandra Lal Karna, d karna@hotmail.com
3	Asia Pacific Guidance for Evaluation of Aerodrome Wildlife Hazard Management Programme	First Edition, 2 July 2021	WBA, Australia, Bangladesh, India, Thailand and ACI	WBA Ms. Lalita Vaswani lalita@worldbirdstrike.com
4	Asia Pacific Guidance for Establishment of National Procedure for Recording and Reporting Wildlife Strikes to Aircraft	First Edition, 2 July 2021	Philippines, Sri Lanka, Nepal, WBA, IFALPA	WBA Ms. Lalita Vaswani lalita@worldbirdstrike.com
5	Asia Pacific Guidance on Development and Implementation of Airport Wildlife Hazard Management Programme	First Edition, August 2022	Australia, Fiji, India, WBA, AAPA	WBA Ms. Lalita Vaswani lalita@worldbirdstrike.com
6	ICAO Asia Pacific Wildlife Hazard Management Go- Team Assistance Mission Progromme Document	First Edition, 2024	Australia, India, Thailand, ACI and WBA	Australia Ashley McAlpine Ashley.Mcalpine@casa.gov.au

Attachment C List of GGMs developed by AOPC/SWG and approved by AOP/SG

S. No	APAC Generic Guidance Materials	Edition/Version, Date	States involved in the Development of Generic Guidance Materials	Custodian (Responsible party for coordination for future review and updates)
1	Asia/Pacific Regional Guidance on Aerodrome Operations Personnel Competency Requirement Framework	Version 1.0 – December 2020	Bangladesh, Cambodia, China, Macao, China (Lead), Maldives, Myanmar Singapore, ACI	Mr. Pedro Cavem (Yangon International Aerodrome, Myanmar) Email: Pedro.Cavem@yangon.aero

Attachment D

List of GGMs developed by WA/SWG and approved by APANPIRG

S. No	APAC Generic Guidance Materials	Edition/Version, Date	States involved in the Development of Generic Guidance Materials	Custodian (Responsible party for coordination for future review and updates)
1	Sample APAC Regulations for Water Aerodromes	First Edition (unedited version) — March 2015	Indonesia, Maldives (Lead), Sri Lanka, New Zealand and USA	CAA Maldives Ms. Fathimath Ramiza Email: ramiza@caa.gov.mv
2	Asia Pacific Regional Guidance on Requirements for the Design and Operations of Water Aerodromes for Seaplane Operations	First Edition — January 2019	Indonesia, Maldives (Lead), Sri Lanka, New Zealand and USA	CAA Maldives Ms. Fathimath Ramiza Email: ramiza@caa.gov.mv



International Civil Aviation Organization

Sixth Meeting of the Asia/Pacific Wildlife Hazard Management Working Group (AP–WHM/WG/6)

Bangkok, Thailand, 14 to 17 May 2024

List of Experts

Asia/Pacific Wildlife Hazard Management Working Group (AP-WHM WG)

[As of 1 May 2024]

	State/Administration and Name		Organization/Title	E-mail and Telephone Numbers
1.	Aus	tralia		
	1.	Ms. Donna Kerr	Secretariat - Australian Aviation Wildlife Hazard Group (AAWHG). Data Analyst - Aviation Statistics. Department of Infrastructure, Transport, Regional Development Communications and the Arts	InternationalICAO@infrastructure.gov.au; Janice.Ho@infrastructure.gov.au;
	2.	Mr. Ashley McAlpine	Chairman of the Australian Aviation Wildlife Hazard Group (AAWHG) and Safety Performance and Management Specialist (CASA – Australia)	Ashley.Mcalpine@casa.gov.au;
2.	Chi	na		
	3.	Mr. TU Kun	Principal Staff Member of Division of Airport Safety of Department of Airport, Civil Aviation Administration of China (CAAC)	jr_yang@caac.gov.cn;
3.	Indi	ia		
	4.	Mr. V Haridasan	Senior Manager WHM Bangalore International Airport Limited – BIAL	haridasan@bialairport.com;
4.	Nep	al		
	5.	Mr. Deo Chandra Lal Karn	Deputy Director General Civil Aviation Authority of Nepal Head Office, Babar Mahal, Kathmandu, Nepal	dgca@caanepal.org.np;

	State/Administration and Name		Organization/Title	E-mail and Telephone Numbers
	6.	Mr. Chhabi Lal Khanal	Manager, Tribhuvan International Airport, Civil Aviation Office, Aerodrome Safety Inspector Civil Aviation Authority of Nepal Head Office, Babar Mahal, Kathmandu, Nepal	dgca@caanepal.org.np;
5.	Tha	iland		
	7.	Mr. Pongsathorn Chantaragon	Specialist Aerodrome Standardization and Safety Department Airports of Thailand Public Co., Ltd.	pongsathorn.c@airportthai.co.th;
6.	6. World Birdstrike Association (WBA)			
	8.	Ms. Lalita Vaswani	President, WBA World Birdstrike Association	lalita@worldbirdstrike.com;
	9.	Mr. Raman Emani	Board Member, WBA South Asia World Birdstrike Association	raman@worldbirdstrike.com;

State	ICAO Region	Focal Point	Position	Email	Others to include in copy
Afghanistan	APAC	rocal Pollic	Position	Ellidii	others to include in copy
Australia	APAC	Terry O'Bree	Manager Safety Analysis and Research	Terry.O'Bree@atsb.gov.au;	ATSBInternationalReporting@atsb.gov.au; International@atsb.gov.au; Stuart.Godley@atsb.gov.au
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Cook Islands	APAC	Te Anau RANI	Aviation Technical Inspector	teanau.rani@cookislands.gov.ck	ahlissa.sosene@cookislands.gov.ck; mike.papatua@cookislands.gov.ck;
Democratic People's Republic of Korea	APAC				
East Timor	APAC				
Fiji	APAC	Mosese Ratucicivi	Aerodrome Inspector - Wildlife	mosese.ratucicivi@caaf.org.fj	gsd.aa@caaf.org.fj; emgs@caaf.org.fj;
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Indonesia	APAC	Ade Trisetyo	Aerodrome Inspector	ade trisetyo@dephub.go.id	adeth_rossi@yahoo.com; deryindriani@yahoo.com
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Lao People's Democratic Republic	APAC	Malaythong Phimmasone	Deputy Director of Aerodrome Safety and Standards Division	thong.dca@gmail.com	vanthongmnm@gmail.com;
Malaysia	APAC	Zulazri bin Mohd Ahnuar	Senior Assistant Director, Air Naviation Services and Aerodrome Division (ANSA)	zulazri@caam.gov.my	r.amsyarhillman@caam.gov.my
Maldives	APAC	Mohamed Simaan Abdul Moomin	Aerodrome Inspector	simaan@caa.gov.mv	ans@caa.gov.mv
Marshall Islands	APAC				
Micronesia (Federated States of)	APAC				
Mongolia	APAC	Munkhbold Ganbold	Head of Aerodrome and Air Navigation Oversight Division	munkhbold.g@mcaa.gov.mn	batkhurel.a@mcaa.gov.mn
Myanmar	APAC	Technical Library Aerodrome Standards and Safety	Technical Library Aerodrome Standards and Safety	library.ksoe@gmail.com	
Nauru	APAC		·		
Nepal	APAC	Kalpana Deoja	Chief, ICAO, International Affairs Division	kalpanadeoja1@hotmail.com; kalpana.deuja@caanepal.gov.np;	
New Zealand	APAC	Charlotte Rose	Intelligence Analyst Performance, Monitoring and Assurance	charlotte.rose@caa.govt.nz	analystics@caa.govt.nz; aeronautical.services@caa.govt.nz; <policyand.internationalrelationsunit@caa.govt.nz></policyand.internationalrelationsunit@caa.govt.nz>
Pakistan	APAC	Muhammad Waseem Abbasi	Dy Director Aerodrome Standards	Waseem.abbasi@caapkistan.com.pk;	
Palau	APAC				
Papua New Guinea	APAC	Lydia Evesa	Safety Trend Analysis Officer	levesa@casapng.gov.pg	
Philippines	APAC	Atty. Godfrey S. Ragudo	Division Chief, Regulatory Safety Standards Division	gsragudo.caap@gmail.com	
Republic of Korea	APAC	Minkyu Kim	Assistant Director, Airport Operations Division, Ministry of Land, Infrastructure and Transport (MOLIT)	mk5585@korea.kr;	
Samoa	APAC	Venice Roebec	Principal Technical Officer (Deputy DCA)	venice.roebeck@mwti.gov.ws	yvonne.mariner@mwti.gov.ws
Singapore	APAC	Wong Qi Wen	Deputy Head (Aerodrome Operations Regulation)	WONG_Qi_Wen@caas.gov.sg	Jon_TAY@caas.gov.sg GAY Min Hui@caas.gov.sg
Solomon Islands	APAC		-		
Sri Lanka	APAC	Rangana Samanpriya	Director, Aerodromes Operations	dae@caa.lk; scaiae@caa.lk;	
Thailand	APAC	Nichapa Thaneerat	Aviation Safety Standards Group Officer	nichapa.t@caat.or.th;	
Timor-Leste	APAC	Armando da Silva & Marciano d. Silva	Director of Aerodrome Standards and Infrastructure & Technical Professional of	asilva@aactl.gov.tl; mdasilva@aactl.gov.tl	armando dasilva@yahoo.com_
Tonga	APAC	Sosaia Maake	Assistant Secretary Technical	szmaake@gmail.com	vinolia.fifita@gmail.com
Tuvalu	APAC				
Vanuatu	APAC	Pascal Alick	Aerodromes Officer	palick@caav.vu	
Viet Nam	APAC	Linh Chi	Official Legal Affairs and International Cooperation Department	chintl@caa.gov.vn; linhchi0514@gmail.com	quachthinh@caa.gov.vn; quachkt@gmail.com;

AP-WHM/WG TASK LIST [Status Update: – Updated by AP-WHM/WG/6]

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
1/1	Develop a Generic Composition of National Wildlife Hazard Management Committee	AP-WHM/WG/1	AP-WHM/WG/1	Completed	AP-WHM/WG/1-WP/06
1/2	Develop a Generic Terms of Reference of National Wildlife Hazard Management Committee	AP-WHM/WG/1	AP-WHM/WG/1	Completed	AP-WHM/WG/1-WP/06
1/3	Develop survey questionnaire to analyze the State's problem/issues/deficiencies on wildlife hazards management including ICAO USOAP CMA WHM PQs	Sri Lanka, India, WBA	By the end of June 2019	Completed	
1/4	Send survey questionnaire to States/Member Administrations	Secretariat	By the end of July 2019 (giving 4 months of time for the completion of the Survey Questionnaires by States)	Completed	State Letter T 11/5.6 – AP069/19 (AGA) dated 18 July 2019
1/5	Analyze the State's problem/issues on wildlife hazards management based on completed survey questionnaires and present the report to AP-WHM/WG/2	Sri Lanka, India, WBA	AP-WHM/WG/2	Completed	AP-WHM WG/2-WP/11 Continued in Task 2/5
1/6	Present a case study on airport wildlife strike hazard assessment and implementation of mitigation measures	Thailand, India	AP-WHM/WG/2	Completed	AP-WHM WG/2 – WP/05 from Thailand

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
1/7	Request papers from ACI, CANSO, IFALPA, IFATCA and IATA to present their views on wildlife strike hazards at the Second Meeting of AP-WHM/WG	Secretariat	AP-WHM/WG/2	Completed	AP-WHM WG/2 – WP/03 from ACI and WP/04 from IFALPA
1/8	Develop a Generic Composition of Airport Wildlife Hazard Management Committee and its TOR	Nepal, Bhutan, Lao PDR	By the end of July 2019	Completed	Decision AOP/SG/3-6 Posted in ICAO APAC Website under e-Documents
1/9	Develop a Regional Guidance on Development and Implementation of Airport Wildlife Hazard Management Programme	Australia, Fiji, India, WBA, AAPA	December 2020 (Initial Draft) (Final Draft) AP-WHM/WG/4 (Final document)	Completed	AP-WHM WG/2 – WP/07 from Fiji AP-WHM WG/3 – WP/08 (WBA, Australia, Fiji, India and AAPA) AP-WHM WG/4 – WP/04 (Australia, Fiji, India, AAPA, ACI, IFALPA and WBA)
1/10	Encourage States to use IBIS electronic format or ECCAIRS to submit wildlife strike reports to ICAO	Bangladesh, Bhutan, Cambodia, Fiji, India, Lao PDR, Maldives, Nepal, Philippines, Sri Lanka, Thailand Secretariat	From 1 st June 2019	Completed	State Letter T 11/5.6 – AP043/20 (AGA) dated 2 March 2020 AP-WHM WG/2-WP/02

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
1/11	Develop guidance for establishment of national procedure for recording and reporting wildlife strikes to aircraft	Philippines, Sri Lanka, Nepal, WBA, IFALPA	Initial Draft by the end of December 2019	Completed	AP-WHM WG/2 – WP/08 from WBA
			Final Draft by AP-WHM/WG/2	Completed	
		USA, Secretariat	Review by December 2020	Completed	AP-WHM WG/3 – WP/05 (WBA, Nepal, Philippines, Sri Lanka and IFALPA)
1/12	Develop procedures for the collection of information from aircraft operators, aerodrome personnel and other sources on the presence of	Philippines, Sri Lanka, Nepal, WBA, IFALPA	Initial Draft by the end of December 2019	Completed	AP-WHM WG/2 – WP/10 from WBA
	wildlife on or around the aerodrome constituting a potential hazard to aircraft operations		Final Draft by AP-WHM/WG/2	Completed	Continued in Task 2/6 for remaining work
		Secretariat	Review by December 2020	Completed	AP-WHM WG/3 – WP/05 (WBA, Nepal, Philippines, Sri Lanka and IFALPA)
1/13	Develop performance measurement indicators/metrics to evaluate the effectiveness of the implementation of Airport Wildlife Hazard Management Programme	Bangladesh, India, Thailand, WBA	Initial draft by the end of December 2019 and final draft by AP-WHM/WG/2	Completed	AP-WHM WG/2 – WP/06 from India Continued in Task 2/7

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
2/1	Monitor the establishment of a National Wildlife Hazard Management Committee by the States [Scope of work – 2 as per ToR]	Secretariat – Issue State Letter based on AOP/SG/3 Conclusion.	July 2020 Continuous	Ongoing	State Letter Ref.: A 3/3 – AP-104/19 (AGA) dated 17 September 2019 Report of the Survey analysis (AP-WHM WG/3 – WP/04 from WBA) 11 among 23 respondent States established NWHMC.

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE	PARTY	TIME FRAME	STATUS	REMARKS
2/2	Assist in conducting workshop/seminar on Global and Regional Guidance on WHM [Scope of work – 3 as per ToR]	Australia, ACI ICAO/ACI Regional WHM – ACI to take the			Ongoing	Possible timing: Australian Aviation Wildlife Hazard Group (AAWHG) Forum in September 2021 in Adelaide, Australia
				AWHMP – 18 May 2021	Completed	ICAO/AAWHG WHM Webinar on 18 May 2021
				Reporting and recording data on wildlife strikes and observed wildlife – July 2021	Completed	Conducted: Reporting and Recording Data on Wildlife Strikes on 20 July 2021
				Wildlife safety risk assessment – 14 Sep. 2021	Completed	Wildlife Safety Risk Assessment on 14 September 2021 (WHMP)
						Workshop on National Wildlife Hazard Management Programme conducted on 2 May 2023

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
2/3	Share the best practices on the measures adopted by member States/Administrations to prevent wildlife strike hazards at or in the vicinity of aerodromes a) Submission of best practices to Secretariat/ICAO APAC Office b) Review and select/consolidate the best practices for posting in ICAO APAC Website c) Publish the best practices in ICAO APAC Website	All States/Administrations Expert Group composed of the Chairman, Australia, Fiji, New Zealand, USA and WBA Secretariat	Continuous	Ongoing	Upload on ICAO APAC eDocuments: 1) Australian Airports Association, Practice Note 6 – Managing Bird Strike Risk – Species Information and Practice Note 9 – Wildlife Hazard Management at Airports.
2/4	Re-send survey questionnaire to States/Administrations that did not provide responses in Task 1/4	Secretariat COSCAPs and PASO to assist in collection of responses	June 2020 (2 months for States/ Administrations to respond)	Completed	Mark questions for responses by CAA and aerodromes State Letter Ref.: T 11 /5.6 – AP122/20 (AGA) dated 4 June 2020

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
2/5	Based on the survey questionnaire responses:				
	a) Compile the results of the survey questionnaire and the problems / issues faced by States	WBA	October 2020	Completed	Report of the Survey analysis (AP-WHM WG/3 – WP/04 from WBA)
	b) Conduct needs analysis and present the recommendations on the prioritized actions to provide assistance to States as required, including future tasks for the WHM WG	Australia, China, Fiji, Indonesia, Malaysia, Nepal [Lead], New Zealand, Pakistan, Thailand, WBA	AP-WHM/WG/5		AP-WHM/WG/4-Flimsy 1 presented by WBA
2/6	Develop a standardised real-time reporting format for aircrew in flight for transmitting the sighting of wildlife presence.	Australia, Philippines, Sri Lanka, Nepal, WBA, IFALPA [WBA to take the lead]	AP-WHM/WG/3 AP-WHM/WG/4 (Draft format)	Completed	AP-WHM WG/3 – WP/05 (WBA, Nepal, Philippines, Sri Lanka and IFALPA)
2/7	Review performance measurement indicators/metrics presented in WP/06 (AP-WHM/WG/2)	Australia, USA, ACI, WBA	September 2020	Completed	AP-WHM WG/3 – WP/08 (WBA, Australia, Bangladesh, India, Thailand and ACI)
3/1	Draft a template on State's action plan for establishment and implementation of WHMP	WBA, Australia, IFALPA, ACI, Thailand	December 2021	Completed	AP-WHM WG/4 – WP/03

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
3/2	IBIS Webinar/Workshop (Tentative) in conjunction with AP-WHM/WG Meeting (as summary update on IBIS)	ICAO WHM Expert Group Members	In conjunction with AP-WHM/WG/5	Completed	Update on IBIS Manual provided by Mr. John Weller, US FAA at AP-WHM/WG/5 AP-WHM/WG/6 - IP/12 - Progress of the ICAO Bird Strike Information System (IBIS)
4/1	Presentation/WP by Australia on planning consideration in safeguarding framework in the vicinity of aerodromes	Australia	AP-WHM/WG/6 AP-WHM/WG/7		
4/2	Summary presentation on assistance provided to States	Secretariat	AP WHM/WG/6 Continuous	Ongoing	
AP-W	/HM/WG/5, 3 - 5 May 2023				
5/1	Response to WHM questionnaire circulated by WBA	Participants of AP-WHM/WG/5 (CAAs and Service Providers) Secretariat – Recirculate WHM questionnaire presented at AP-WHM/5 to participating States/Airport Operators	By July 2023 By June 2024	Ongoing	Responses received from India & Thailand
		WBA to follow-up for responses from States/Airport Operators	By September 2024		
5/2	Present WP based on analysis of the responses to WBA's WHM questionnaire	WBA	AP-WHM/WG/6 AP-WHM/WG/7		

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
5/3	Sharing State's/aerodrome operator's experience in managing WHM issues (IP)	Thailand (CAAT in coordination with Aerodrome Operators/other stakeholders) India/Goa Airport	AP-WHM/WG/6	Completed	AP-WHM/WG/6-IP/08 - An Overview of Wildlife Hazard Management Programme Implemented at Greenfield Manohar International Airport, Goa, India AP-WHM/WG/6-IP/14 - Sharing State's/Aerodrome Operator's Experience in Managing Wildlife Hazard Management Issues [Thailand]
5/4	State's Action Plan for Establishment and Implementation of the WHMP – State's progress update	India – Submitted IP/09 Pakistan – Submitted PPT/06	AP-WHM/WG/6	Ongoing	AP-WHM/WG/6-IP/09 - State Action Plan for Establishment and Implementation of Wildlife Hazard Management Programme – Update [India] AP-WHM/WG/6-PPT/06 - Pakistan's Progress on Action Plan for Establishment and Implementation of the WHMP

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
5/5	Develop ICAO APAC WHM Go-Team Mission Programme (Hybrid)	ACI (Lead), Australia/AAWHG, WBA, India, Thailand	Sept./Dec. 2023	Completed	AP-WHM/WG/6-WP/05 - ICAO Asia-Pacific Wildlife Hazard Management Go-Team Methodology - Update
AP-W	/HM/WG/6, 14 - 17 May 2024				
6/1	State's Action Plan for Establishment and Implementation of the WHMP – State's progress update	Cambodia, Lao PDR, Nepal, Philippines, Pakistan, Thailand Fiji	AP-WHM/WG/7		
6/2	Sharing State's/aerodrome operator's experience in managing WHM issues (IP)	Australia, Pakistan, India (Navi Mumbai International Airport), Nepal, Indonesia (TBC), Fiji, Maldives (Velana Intl. Airport)	AP-WHM/WG/7		
6/3	Sharing knowledge and experience in using innovative technology and techniques	Pakistan, India (RGIA)	AP-WHM/WG/7		Invited industries to share their experiences jointly with airport operators.
6/4	Workshop on WHM integration to SMS and SSP	Australia (Lead)	In conjunction with AP-WHM/WG/7		Invited other States/IOs and Industries to support the Workshop.