



ICAO

International Civil Aviation Organization

Ninth Meeting of the Aerodromes Operations and
Planning Sub-Group (AOP/SG/9)

Bangkok, Thailand, 30 June to 4 July 2025

Agenda Item 4: Provision of AOP in the Asia/Pacific Region

**REPORT ON THE SEVENTH MEETING OF THE ASIA/PACIFIC
WILDLIFE HAZARD MANAGEMENT WORKING GROUP (AP-WHM/WG/7)**

(Presented by Chairperson of AP-WHM/WG)

SUMMARY

This paper presents the Report of the Seventh Meeting of the Asia/Pacific Wildlife Hazard Management Working Group (AP-WHM/WG/7).

This paper relates to –

Strategic Objectives:

*A: **Safety** –Enhanced global civil aviation safety*

*B: **Air Navigation Capacity and Efficiency** – Increase Capacity and improve efficiency of the global civil aviation system*

1. INTRODUCTION

1.1 ICAO Asia/Pacific Wildlife Hazard Management Workshop and the Seventh Meeting of the Asia/Pacific Wildlife Hazard Management Working Group (AP-WHM/WG/7) were held in Pokhara, Nepal on 5 – 6 May 2025 and 7 – 9 May 2025, respectively. 94 participants from 16 Member States, 2 International Organization attended the Meeting.

1.2 There were 9 Working Papers, 23 Information Papers, 3 Presentations and 2 Flimsies considered by the Meeting.

1.3 The full report of the meeting is posted on the ICAO APAC Office website and can be accessed through the following link:
<https://www.icao.int/APAC/Meetings/Pages/2025-AP-WHM-WG-7.aspx>

1.4 **Appendices** referred to in this Working Paper carry the same Appendix numbers as those in the Report of the AP-WHM/WG/7 Meeting for easy reference.

2. DISCUSSION

2.1 Some important discussions of the AP-WHM/WG/7 Meeting are summarized below:

Update from Fourteenth Air Navigation Conference (An-Conf/14) and Working Paper on Flight Safety and Wildlife Hazard Management

2.2 AP-WHM/WG/7 noted the key focus points of the AN-Conf - WP/54 which highlighted the proposal to task the existing Aerodrome Design and Operation Panel (ADOP) WHM Expert Group (EG) supplemented by additional expertise or formulate a new Task Force to develop a best-practice guide similar to ICAO Flight Safety and Volcanic Ash Manual (Doc 9974).

Outcomes of the ICAO Asia/Pacific Wildlife Hazard Management Workshop

2.3 ICAO Asia/Pacific Wildlife Hazard Management Workshop was conducted on 5 – 6 May 2025 in Pokaha, Nepal which considered twelve (12) presentations prepared and delivered by Subject Matter Experts from Australian Aviation Wildlife Hazard Group (AAWHG), World Birdstrike Association (WBA), Bangalore International Airport and Indonesian WHM Working Group Coordinator, PT Indonesia AirAsia.

2.4 AP-WHM/WG/7 reviewed the key takeaways of the workshop presented by AAWHG and prepared jointly by the Moderators and Speakers of the Workshop as follows:

- 1) Governance and oversight frameworks at State level should facilitate a practical/workable and relevant, across all aviation disciplines (aerodromes, aircraft operations, Air Navigation Services (ANS)).
- 2) Understanding of the ecology of the hazard (wildlife) allows consideration and implementation of preventive and escalation/reactive controls.
- 3) Knowledge of the extent of the threat posed by the hazard of wildlife is critical to enable the key risk stakeholders (aircraft operators) to make key risk-informed decisions and allow the support/enabling elements such as airports and ANSPs to minimise the extent of the threat, manage the residual exposure and accurately communicate systemically.
- 4) Wildlife hazards and the associated risks, whilst unique in being biologically based are but one of the numerous such risks in aviation (such as meteorology and volcanic ash, as examples), hence consistent and replicable consideration as per Annex 19 is essential.
- 5) Stakeholder engagement and communication including foundational knowledge of the hazard/threat/risk including training and competency is essential. This includes off-airport/non-aviation parties such as land-use planners, local authorities, adjacent communities.
- 6) The nature of wildlife hazards is dynamic and evolving hence foundational knowledge of the subject appropriate for the particular stakeholder (i.e. an aerodrome wildlife control unit versus a pilot versus an ATC versus management) is essential.
- 7) The establishment of a relevant scaled (size and complexity) WHM programme and associated documentation (plan) is necessary. The programme and associated plan must reflect the reality of what takes place at the aerodrome and must be kept 'living' (subject to assurance and continuous improvement).
- 8) Data including proactive (surveys) and reactive (strikes) in a format that is actionable and accessible to the widest stakeholder cross-section is necessary.

2.5 AP-WHM/WG/7 endorsed the above key takeaways of the workshop and formulated the following Draft Conclusion for consideration by AOP/SG/9:

Draft Conclusion AP-WHM/WG/7 – 1: ICAO Asia/Pacific Wildlife Hazard Management Workshop	
What: That, key takeaways of the ICAO Asia/Pacific Wildlife Hazard Management Workshop be circulated to Asia/Pacific States/Administrations for information and consideration.	Expected impact: ☐ Political / Global ☐ Inter-regional ☐ Economic ☐ Environmental ☒ Ops/Technical
Why: For harmonised and more effective mitigation of wildlife hazards by States/Administrations.	Follow-up: ☒ Required from States
When: 4-Jul-25	Status: Draft to be adopted by Subgroup
Who: ☒ Sub groups ☒ APAC States ☒ ICAO APAC RO ☐ ICAO HQ ☐ Other: XXXX	

Progress of the ICAO Bird Strike Information System (IBIS)

2.6 AP-WHM/WG/7 noted the progress of the ICAO Bird Strike Information System (IBIS), with two initiatives proposed to ICAO in 2000: updating the IBIS manual (Doc 9332) which had not been revised in over 30 years and enhancing international data access and sharing. The goal was to improve global aviation safety by enhancing member State reporting of wildlife/aircraft strike incidents and improving pathways to that data. The job card ADOP.015.03 was formalized in 2021, with a deadline extended to Q4 2023 due to COVID-19. The Wildlife Hazard Management Expert Group (WHMEG) had focused on aiding member States with strike report submissions and data collection, analysis, and utilization.

2.7 Since 2022, ICAO initiated improvements in IBIS database management, including updating the IBIS Focal Points list and developing a new Excel Template (based on ECCAIRS format) for standardized data collection. These efforts have resulted in improved data quality and reduced processing time and increased total number of reports.

2.8 AP-WHM/WG/7 also noted that five new chapters were developed for the new IBIS Manual, providing comprehensive guidance for member States on strike report collection, data management, quality control, and analysis. The new IBIS Manual was planned to be published in Q2 2025.

2.9 AP-WHM/WG/7 noted that the deadlines for the completion of the second initiative to enhance international data access was Q4 2024 with the target for implementation in Q4 2025.

Regional Standardised WHM Capacity Building Initiatives for Improved Aviation Safety

2.10 AP-WHM/WG/7 agreed to develop a standardised Wildlife Hazard Management (WHM) workshop programme aligned with ICAO Annex 14, Volume I, which would be delivered by WHM Experts during ICAO APAC WHM Go-Team missions. The workshop would address key knowledge gaps in ecology, habitat management, risk assessment, and technology, building capacity among regulators, aerodrome staff, airlines, and ANSPs. By ensuring consistent and effective WHM practices across the region, the programme would directly support ICAO's safety and risk mitigation objectives.

2.11 This initiative was included in the Task List of the AP-WHM/WG as a new task to develop a standardized Workshop programme package by the Expert Group.

Beyond Boundaries - Strengthening WHMPs Through Interagency Collaboration to Support Aviation Safety

2.12 AP-WHM/WG/7 noted that Wildlife hazards often originate beyond airport boundaries making this very complex. To manage these risks effectively, Civil Aviation Authorities (CAAs) must take the lead in fostering collaboration among airports, local governments, land-use planners, and other relevant inter agencies. This collective responsibility should include Wildlife Hazard Management Plans (WHMPs) from non-aviation stakeholders, promoting integrated data and knowledge sharing on a unified platform, and resolving conflicting practices affecting aviation safety.

2.13 AP-WHM/WG/7 also noted that a whole-of-community approach is vital for reducing wildlife strike risks and ensuring safer skies.

USOAP CMA and AGA Findings in WHM

2.14 AP-WHM/WG/7 noted the USOAP Effective Implementation (EI) scores of the individual APAC States for WHM related PQs derived from iSTARS 4.0, PQ Tester which was provided in **Appendix A**. APAC average WHM EI in AGA area was **56.57 %** as compared to the global average of **63.25%** as of April 2025.

2.15 AP-WHM/WG/7 also noted the APAC Average WHM EI scores for June 2018, April 2024 and April 2025 as illustrated in the Table 2.1 below:

Table 2.1: APAC Average EI Scores for WHM PQs
[Source: USOAP CMA OLF/ iSTARS 4.0 - PQ Tester]

Year	APAC Average EI in WHM (%)	Global Average EI in WHM (%)	USOAP CMA PQ in AGA Area (WHM PQs)					Remarks
			8.328	8.329	8.331	8.333	8.335	
April 2025	56.57	63.25	71.43	58.82	60.00	44.44	48.57	5 PQs (2024 USOAP CMA PQ Checklist)
April 2024	50.26 (Adjusted EI)	61.83	-	-	-	-	-	5 PQs (2020 USOAP CMA PQ Checklist)
June 2018	57.5	-	64.71	60	60	41.18	51.43	6 PQs (2017 USOAP CMA PQ Checklist)

2.16 The meeting encouraged APAC States/Administrations with EI less than 80% in WHM related PQs to put more resources and efforts to improve EI to meet the 75% of GASP target; and to approach respective COSCAPs, PASO or ICAO APAC Office, if State(s) require assistance in WHM.

Wildlife Strike – A Safety Concern

2.17 AP-WHM/WG/7 noted that India, Indonesia, Nepal and Philippines have identified wildlife Strike as one of the National High-Risk Category of Occurrences (N-HRCs) in their respective National Aviation Safety Plan (NASP) due to the significant risk posed by the presence of wildlife in and around the aerodromes.

2.18 ICAO Bird Strike Information System (IBIS) wildlife strike analysis report for the year 2016-2021, indicates a significant increase in the wildlife strike reports in the APAC region as compared to the report received in the year 2008-2015.

2.19 Based on the analysis of the wildlife strike data of Asia and Pacific States, wildlife strikes may be included as other Regional HRCs (R-HRCs) in the Asia-Pacific Regional Aviation Safety Plan, so that a risk-based approach could be adopted in managing safety at the regional-level through collaboration between regional aviation stakeholders in a coordinated manner. Additionally, AP-WHM/WG/7 acknowledged the need to elevate the issue to the appropriate level and to facilitate the sharing of information and best practices among the Asia Pacific Region.

2.20 AP-WHM/WG/7 formulated the following Draft Conclusion for Consideration by AOP/SG/8 and further coordination with the relevant body of RASG-APAC:

Draft Conclusion AP-WHM/WG/7 – 2: Acknowledgement of Wildlife Strike as one of the High-Risk Category of Occurrences (HRCs) for Asia and Pacific Region	
What: Acknowledging that wildlife strike is a widespread concern affecting States in the Asia Pacific region, and some States in Asia Pacific Region have already identified wildlife Strike as one of the National High-Risk Category of Occurrences (N-HRCs) in their National Aviation Safety Plan (NASP): a) Wildlife Strikes should be considered to identify as one of the Regional HRCs (R-HRCs) in the Asia-Pacific Regional Aviation Safety Plan; and b) take up the concern of wildlife strike to the appropriate forum of ICAO for seeking additional Safety Enhancement Initiatives as mitigation measures for all APAC States/Administrations.	Expected impact: ☒ Political / Global ☐ Inter-regional ☐ Economic ☐ Environmental ☒ Ops/Technical
Why: For harmonised application and enhancing safety at or in the vicinity of aerodromes.	Follow-up: ☒ Required from States
When: 4-Jul-25	Status: Draft to be adopted by Subgroup
Who: ☒ Sub groups ☒ APAC States ☒ ICAO APAC RO ☒ ICAO HQ ☐ Other: XXXX	

Task List of AP-WHM/WG

2.21 AP-WHM/WG/7 reviewed and updated the task list provided in **Appendix D** to the Report of the AP-WHM/WG/7. The Working Group identified seven new tasks to be carried out and delivered by the WHM Expert Group from States and International Organizations in coming years.

Information Papers and Presentations

2.22 The following Information Papers and Presentations were considered by AP-WHM/WG/7. The summary of the IPs and Presentations were available in the Report of the AP-WHM/WG/7 and can be accessed at <https://www.icao.int/APAC/Meetings/Pages/2025-AP-WHM-WG-7.aspx>.

- 1) State Safety Data Collection and Processing System (SDCPS) (IP/04);
- 2) Practices for Wildlife Hazard Management in China's Transport Airports (IP/05);
- 3) State Action Plan and Wildlife Management Program - Fiji Aviation (IP/06);
- 4) Wildlife Hazard Management at Major Airports in Pakistan: Challenges and Strategies (IP/07);
- 5) Experience of Pakistan Airports Authority with Technology in Wildlife Hazard Management (IP/08);
- 6) Wildlife Hazard Management Practices Followed by Cochin International Airport (IP/09);
- 7) Strategy and Mitigation for Bird Strikes (IP/10);
- 8) Wildlife Hazard Management at Velana International Airport (IP/11);
- 9) State Action Plan for Development and Implementation of Thailand Wildlife Hazard Management Programme (WHMP) (IP/12);
- 10) Australian Experience in Managing Wildlife Hazard Issues at Aerodromes (IP/13);
- 11) An Australian Approach to Airport Safeguarding (IP/14);
- 12) Species Specific Approach and Microhabitat Management as a Best Practice for Wildlife Hazard Management (IP/15);
- 13) Grass Height Management at Airports for Wildlife Hazard Mitigation: Evaluating Stylosanthes Hamata as an Alternative to Traditional Grasses (IP/16);
- 14) Best Practices on Wildlife Hazard Management at IGI Airport, Delhi (IP/17);
- 15) Measures Implemented to Mitigate Bird & Fruit Bat Hazards at Chennai International Airport, Chennai (IP/18);
- 16) Update from Australian Aviation Wildlife Hazard Group (2024/24) and Workshop 12-14 August 2025, Sydney Australia (IP/19);
- 17) An Overview of Wildlife Hazard Management at Greenfield Navi Mumbai International Airport, Navi Mumbai, India (IP/20);
- 18) Establishment and Implementation of a National Wildlife Hazard Working Group (IP/21);
- 19) Progress Report on State Action Plan for Development and Implementation of WHMP (IP/22);
- 20) Wildlife Hazard Management- India (IP/23);
- 21) Wildlife Hazard Management Plan, Changi and Seletar Airports (PPT/01);
- 22) Collision Course: Wildlife Threats to Nepal's Air Safety and the Search for Solutions (PPT/02);
- 23) Wildlife Hazard Management Programme (PPT/03);
- 24) Fiji Airports - Wildlife Hazard Management Programme (PPT/04);
- 25) Outcomes of the ICAO Asia/Pacific Wildlife Hazard Management Workshop (Flimsy/01);

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) review the **Draft Conclusions** presented in Paragraph 2.5 and 2.20 for endorsement by AOP/SG/9;
- c) discuss any relevant matters as appropriate.

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S. No.	State's USOAP EI in WHM AGA Area										
	(Date: 28 April 2025)										
	Source: iSTARS 4.0, PQ Tester										
	State	WHM Protocol Question (Satisfactory = 1, Unsatisfactory = 0)					Total (Satisfactory)	Average EI (%)	Average EI Range (%)	Lastest USOAP CMA (Source: USOAP Report)	
		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	1	1	0	1	4	80	61-80	CMA Audit	16-30/04/2024
8	Cook Islands						0	0	0		Nil 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	ICVM	05-12/06/2024
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	1	1	1	0	4	80	21-40	CMA Audit	15-27/05/2024
APAC WHM EI Average (28 April 2025)								57.14			

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
8.329 (CE-8)	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 (CE-1)	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
8.335 (CE-8)	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

State's USOAP EI in WHM AGA Area

(Date: 28 April 2025)

Source: iSTARS 4.0, PQ Tester

S. No	Year	APAC Av. EI in WHM	Remarks
1	April 2025	56.57	5 PQs (USOAP CMA PQ 2024)
2	Apr. 2024	50.26 (Adjusted EI)	5 PQs (USOAP CMA PQ 2020)
3	Jun. 2018	57.5	6 PQs (USOAP CMA PQ 2017)

AP-WHM/WG TASK LIST
[Status Update: – Updated by AP-WHM/WG/6 7]

	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 USA, Secretariat	Initial Draft by the end of December 2019 Final Draft by AP-WHM/WG/2 Review by December 2020	Completed Completed Completed	AP-WHM WG/2 – WP/08 from WBA 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 wildlife on or around the aerodrome constituting a potential hazard to aircraft operations	Philippines, Sri Lanka, Nepal, WBA, IFALPA Secretariat	Initial Draft by the end of December 2019 Final Draft by AP-WHM/WG/2 Review by December 2020	Completed Completed Completed	AP-WHM WG/2 – WP/10 from WBA Continued in Task 2/6 for remaining work 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
2/3	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 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	WBA Australia, China, Fiji, Indonesia, Malaysia, Nepal [Lead], New Zealand, Pakistan, Thailand, WBA	October 2020 AP-WHM/WG/5	Completed	Report of the Survey analysis (AP-WHM WG/3 – WP/04 from WBA) 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/7	Completed	AP-WHM/WG/7 - IP/14 - An Australian Approach to Airport Safeguarding
4/2	Summary presentation on assistance provided to States	Secretariat	Continuous	Ongoing	
AP-WHM/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 WBA to follow-up for responses from States/Airport Operators	By June 2024 By September 2024	Ongoing	Responses received from India & Thailand
5/2	Present WP based on analysis of the responses to WBA's WHM questionnaire	WBA	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 Pakistan	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-WHM/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		Fiji, Philippines, Pakistan, Thailand presented at 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	Ongoing	Australia, Pakistan, India [Navi Mumbai, Hyderabad, TRV (Kerala), IGI (Delhi), Chennai (AAI), Cochin, International Airport), Indonesia (ANGKASAPURA), Maldives (Velana Intl. Airport) presented at AP-WHM/WG/7
6/3	Sharing knowledge and experience in using innovative technology and techniques	Pakistan, India (RGIA)	AP-WHM/WG/7	Completed	Invited industries to share their experiences jointly with airport operators. Pakistan Airport Authority (AP-WHM/WG/7-IP/08) and India (AP-WHM/WG/7-IP/15)

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
6/4	Workshop on WHM integration to SMS and SSP	Australia (Lead)	In conjunction with AP-WHM/WG/7	Completed	Invited other States/IOs and Industries to support the Workshop. ICAO APAC WHM Workshop, 5 – 6 May 2025, Pokhara, Nepal was conducted in collaboration with AAWHG, WBA, BIAL and Indonesia WH WG.
AP-WHM/WG/7, 7 - 9 May 2025					
7/1	Review/research States Primary Act and Regulations regarding WHM [Members of the WG to send a link to the CAA Website where legislations/regulations are posted]	WBA (Lead), supported by ACI, Australia	AP-WHM/WG/8		
7/2	IP on Pakistan's Primary Legislation and Legal Framework in relation to WHM	Pakistan	AP-WHM/WG/8		
7/3	Develop WHM Workshop Package to incorporate into WHM Go-Team Programme Document	ACI, Australia/AAWHG, India, Thailand, WBA (Lead), Indonesia, Philippines	AP-WHM/WG/8		
7/4	State's Action Plan for Establishment and Implementation of the WHMP – State's progress update	Lao PDR, Nepal, Indonesia, Malaysia, Mongolia, Maldives (TBC)	AP-WHM/WG/8		
7/5	Sharing State's/aerodrome operator's experience in managing WHM issues (IP)	Fiji, Lao PDR (Lao Airport), Nepal (TIA, GBIA and PIA), Philippines, Australia (New Western Sydney Airport), Pakistan Airport Authority, India (Noida International Airport)	AP-WHM/WG/8		

	ACTION ITEM/PLANNED ACTIVITIES	RESPONSIBLE PARTY	TIME FRAME	STATUS	REMARKS
7/6	AP-WHM Go-Team Mission	Two States (PSIDS and LLDS)	In 2026		
7/7	WHM Starter Tool Kit	WBA (Lead), ACI, Australia, Indonesia, Fiji, New Zealand, Thailand	Progress update at AP-WHM/WG/8 and Delivery of the Final Toolkit by Dec. 2027		
7/7	Update on WHM Expert Group (under ADOP Aerodrome Operations Working Group)	AAWHG	AP-WHM/WG/8		