

INTERNATIONAL CIVIL AVIATION ORGANIZATION



FINAL REPORT

**FIFTH MEETING OF THE ASIA/PACIFIC WILDLIFE HAZARD MANAGEMENT
WORKING GROUP (AP-WHM WG/5)**

BANGKOK, THAILAND, 3 TO 5 MAY 2023

The views expressed in this Report should be taken as those
of the Meeting and not the Organization

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

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1. Introduction

1.1 The Fifth Meeting of the Asia/Pacific Wildlife Hazard Management Working Group (AP-WHM WG/5) was held in Bangkok, Thailand from 3 to 5 May 2023.

2. Attendance

2.1 The Meeting was attended by 46 participants from 13 Member States, Association of Asia Pacific Airlines (AAPA), Airports Council International (ACI), World Birdstrike Association (WBA) and ICAO.

2.2 The List of Participants is placed at **Attachment A** to this Report.

3. Opening of the meeting

3.1 Mr. Deo Chandra Lal Karn, Chairperson of AP-WHM/WG, welcomed the participants and delivered his opening remarks.

4. Officers and Secretariat

4.1 Mr. Deo Chandra Lal Karn, Chairperson of AP-WHM/WG, presided over the meeting. Dr. Punya Raj Shakya, Regional Officer/AGA, ICAO Asia and Pacific Office, was the Secretary of the Meeting.

5. Working Arrangements, Language and Documentation

5.1 The working language of the meeting was English inclusive of all documentation and this report. There were 9 Working Papers, 5 Information Papers and 1 Presentation considered by the Meeting. A List of Papers and Presentation is included at **Attachment B** to this Report.

6. Conclusions and Decisions

Draft Conclusions, Draft Decisions and Decisions of AP-WHM/WG – Definition

6.1 The AP-WHM/WG recorded its actions in the form of Draft Conclusions, Draft Decisions and Decisions within the following definitions:

- a) **Draft Conclusions** deal with matters that, according to APANPIRG Terms of Reference, require the attention of States, or action by the ICAO in accordance with established procedures;
- b) **Draft Decisions** deal with the matters of concern only to APANPIRG and its contributory bodies; and
- c) **Decisions** of AP-WHM/WG relate solely to matters dealing with the internal working arrangements of the AP-WHM/WG.

7. Terms of Reference of AP-WHM WG

7.1 The second amendment to the Terms of Reference of AP-WHM/WG, approved by the Fifth Meeting of the Aerodrome Operations and Planning Sub Group (AOP/SG/5) (video teleconference from 29 June to 2 July 2021) includes inter alia the following:

TERMS OF REFERENCE WILDLIFE HAZARD MANAGEMENT WORKING GROUP (WHM/WG)

Objective:

To assist States to establish a National Wildlife Hazard Management Committee and an Aerodrome Wildlife Hazard Management Programme.

Scope of works:

To meet the above objectives, the Working Group shall carry out the following tasks:

- 1) Develop a model TOR for National Wildlife Hazard Management Committee;
- 2) Monitor the establishment of a National Wildlife Hazard Management Committee by the States.
- 3) Assist in conducting workshop/seminar on Global and Regional Guidance on WHM;
- 4) Develop Asia Pacific Regional Guidance on Aerodrome Wildlife Hazard Management Programme, as needed;
- 5) Share the best practices on the measures adopted by member States/Administrations to prevent wildlife strike hazards at or in the vicinity of aerodromes;
- 6) Develop a performance measurement metrics to evaluate the effectiveness of the implementation of the Aerodrome Wildlife Hazard Management Programme by the aerodrome operator; and
- 7) Be consistent with ICAO Annex 14, Volume I – Aerodrome Design and Operations, PANS-Aerodromes (Doc 9981), Doc 9137 Airport Services Manual, Part 3 – Wildlife Hazard Management, ICAO Bird Strike Information System (Doc 9332) and other requirements where applicable.
- 8) Analysis of the regional problems/issues in wildlife hazard management fields.
- 9) To support States with limited resources (human and financial) to enhance their capacity in Wildlife Hazard Management through workshops and technical assistance, as needed.

Composition:

The Working Group would be composed of subject matter experts nominated by APAC States / Administrations and International Organization satisfying the criteria:

- (1) Minimum 3 years of work experience in CAA Aerodrome Regulatory Department or in International Organizations or Aerodrome Operations at international airports in wildlife hazard management field;

- (2) Familiar with Annex 14 and related guidance materials; and
- (3) The nominated expert will continue to be a member for a minimum of three consecutive years.

States in other ICAO regions and industry partners with experience in wildlife hazard management may also be invited to participate in the Working Group.

Conduct of the work and timeframe:

As far as practicable, the work would be carried out through electronic correspondences and web-conferences. Minimum face-to-face meetings would be planned.

Time frame:

The Working Group would complete its work by September 2023.

8. List of Draft Conclusions, Draft Decisions and Decisions:

Draft Decision AP-WHM/WG/5-1: Proposal for Amendment to AP-WHM/WG’s TOR	
<p>What: That, the Terms of Reference of the Asia/Pacific Wildlife Hazard Management Working Group (AP-AA/WG) be amended as provided in Appendix A to the Report of AP-WHM/WG/5.</p>	<p>Expected impact:</p> <p><input type="checkbox"/> Political / Global</p> <p><input type="checkbox"/> Inter-regional</p> <p><input type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input checked="" type="checkbox"/> Ops/Technical</p>
<p>Why: To allow additional three years of time for Working Group to focus on the onsite technical assistance to States for establishment of the National Wildlife Hazard Management Committee, Wildlife Hazard Management Programme, conduct new tasks of the TOR, and to provide some flexibility in the mode of meetings amid the aftermath of COVID-19 pandemic.</p>	<p>Follow-up: <input checked="" type="checkbox"/> Required from States</p>
<p>When: 6-Jul-23</p>	<p>Status: Draft to be adopted by Subgroup</p>
<p>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 checked="" type="checkbox"/> Other: AP-WHM/WG</p>	

Draft Conclusion AP–WHM/WG/5–2: ICAO Asia/Pacific WHM Go-Team Methodology	
<p>What: That,</p> <ul style="list-style-type: none"> • The needs for technical assistance in the area of WHM for ICAO APAC States be periodically reviewed; • States with such needs be encouraged and invited to host WHM missions; and • The methodology for running such Go-Team missions provided in Appendix D to the Report of the AP-WHM/WG/5 be endorsed by AOP/SG/7 and adopted by APANPIRG/34. 	<p>Expected impact:</p> <p><input checked="" type="checkbox"/> Political / Global</p> <p><input type="checkbox"/> Inter-regional</p> <p><input checked="" type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input type="checkbox"/> Ops/Technical</p>

HISTORY OF THE MEETING

Why:	To assist States in WHM	Follow-up:	<input checked="" type="checkbox"/> Required from States
When:	29-Nov-23	Status:	Draft to be adopted by PIRG
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: AP-WHM/WG		

Agenda Item 1: Adoption of Provisional Agenda (WP/01)

1.1 The Provisional Agenda presented in WP/01 was adopted as Agenda for the Meeting.

- Agenda Item 1: Adoption of agenda
- Agenda Item 2: Review outcomes of related Meetings/Seminars
- Agenda Item 3: Global, Regional and National Guidance/Best Practices on Wildlife Hazard Management
- Agenda Item 4: Progress Update on Tasks assigned to States and International/Regional Organizations
- Agenda Item 5: State's Action Plan for Establishment and Implementation of Wildlife Hazard Management Programme – State's Update
- Agenda Item 6: AP-WHM/WG ToR and Task List
- Agenda Item 7: Any Other Business
- Agenda Item 8: Date and Venue of Next Meeting
-

Agenda Item 2: Review Outcomes of related Meetings/SeminarsOutcomes of APANPIRG/33 and AOP/SG/6 Meetings (WP/02)

2.1 The Secretariat provided outcomes of AOP/SG/6 (27 to 30 June 2022) and APANPIRG/33 (22 to 24 November 2022) Meetings related to the Asia Pacific Wildlife Hazard Management Working Group (AP-WHM/WG). The Report of AOP/SG/6 and APANPIRG/33 Meetings could be accessed at:

<https://www.icao.int/APAC/Meetings/Lists/Meeting%20List%202022/AllItems.aspx>

2.2 AP-WHM/WG/5 noted that APANPIRG/33 had adopted the following Conclusion related to Wildlife Hazard Management (WHM):

Conclusion APANPIRG/33/4: State Action Plan for Establishment and Implementation of WHMP - Generic Template

That, Asia/Pacific States are urged to:

- *Develop “State Action Plan for Establishment and Implementation of WHMP” in accordance with the generic template in Appendix C to the Report on Agenda Item 3.1 assigning State responsible entities and targeted implementation dates (milestones); and*
- *Commence to execute the State Action Plan the latest from first quarter of 2023, and in accordance with the proposed targeted implementation date (milestone) and complete all actions by 2026.*

2.3 AP-WHM/WG/5 also noted that the *Generic Template – State Action Plan for Establishment and Implementation of WHMP* was made available on ICAO APAC Website at eDocuments under AGA heading (<https://www.icao.int/APAC/Pages/eDocs.aspx>) and the State Letter Ref.: AN 3/3 – AP014/23 (AGA) requesting States to take necessary action regarding Conclusion APANPIRG/33/4 was circulated to States on 24 January 2023.

2.4 AP-WHM/WG/5 further noted that AOP/SG/6 had approved:

- 1) the *Asia Pacific Regional Guidance on Development and Implementation of Wildlife Hazard Management Programme* developed by the AP-WHM/WG; and
- 2) the *Procedure for periodic review and update of the Asia/Pacific Generic Guidance Materials in the area of Aerodromes and Ground Aids* along with the names and contact details of the Custodians from States and International Organization;

and both documents were made available on the ICAO Asia/Pacific Regional Office eDocuments webpage: <https://www.icao.int/APAC/Pages/eDocs.aspx> under AGA heading.

Agenda Item 3: Global, Regional and National Guidance/Best Practices on Wildlife Hazard ManagementDraft Knowledge Article on Best Practices by WBA (WP/08)

3.1 The World Birdstrike Association (WBA) presented an overview of an effective wildlife hazard management with a multi-faceted approach that involves regular surveys, effective control programs, personnel training, use of technology. The paper recommended that the airport wildlife hazard management should include assessments of habitat, food sources, and identify potential wildlife activities.

3.2 The paper highlighted following recommended standards developed by WBA:

- All aerodromes require to develop a comprehensive wildlife management plan that outlines specific strategies and procedures to prevent and mitigate wildlife hazards.
- Not all bird/wildlife species create risk to aviation. Senior managers must take responsibility for ensuring proper WHM plans / programs are implemented.
- All aerodromes require to review features that attract hazardous birds/wildlife and develop a management plan to eliminate or reduce the quantity of those features.
- Wildlife attractants should be listed, considering that natural and anthropogenic environments are attractive to wildlife. Once the attractants are identified, management plans should be developed to reduce / remove / deny wildlife's access to the attractants.
- Effective habitat management and wildlife repelling at airfields requires a multi-faceted approach that combines a range of different strategies. This can be achieved by setting up regular habitat events and monitoring them using technology tools.
- Strike reporting must follow the State's and ICAO format and be submitted to the State's authorities via IBIS reporting.
- A wildlife assessment survey in an airfield evaluates the presence and behaviour patterns of wildlife species to identify potential hazards to aircraft operations and develop strategies to reduce the risk of wildlife strikes with aircrafts.
- A properly trained and equipped wildlife control agent should be present at the aerodrome from dawn to dusk on a daily basis to monitor, record observations and scare wildlife if required to reduce strike risks.
- Wildlife control units shall consider all flights, including commercial, general aviation, and military flights, in their strike analysis.
- All wildlife control staff should receive proper training in the use of wildlife control devices, and periodic refresher training should be conducted.
- Technology smart application to enable users to record species and numbers of wildlife/birds, mammals, and reptiles with ease.
- Aerodrome staff should be encouraged to report wildlife strikes to airport managers, and strikes should never be used as a performance measure of bird/wildlife controllers.

- Managing the strike risk that originates from off the airfield is a more complex and difficult challenge.
- Overall aviation effective wildlife hazard management requires a multi-faceted approach that involves regular surveys, effective control programs, training, use of technology and collaboration with local authorities and stakeholders. By implementing knowledge of best practices, the risk of wildlife strikes can be minimised and aviation safety can be ensured.

Update on Activities and Progress of International WHM SME Group (IP/03)

3.3 A brief introduction and update on the progress and activities of the International Wildlife Hazard Management (WHM) Subject Matter Expert (SME) Group were presented by the Chair of Australian Aviation Wildlife Hazard Group (AAWHG). The Group is a disparate collective of SMEs from around the globe and most established aviation spheres as well as biology/science and was interested in improving wildlife strike mitigation across all spheres of influence, re-balancing the risk equation. This intention stemmed from an observation that aerodromes were often disproportionately burdened with risk ‘assessment’ rather than concentrating on hazard management and communication when the risk assessment should be considered and calculated by the users of the airspace and/or aerodrome and risk-based decisions of acceptability made as occurs for weather events or phenomenon like volcanic ash. Wildlife Hazard Management is a shared responsibility with each stakeholder owning its risk. WHM is a system-wide problem concerning all aviation stakeholders. Through the understanding of this and the integration of the management of this hazard and the associated risk the aviation system can realise a shared responsibility and therefore a shared safety outcome.

3.4 It was agreed that the update on the outcomes of the future meeting of the International WHM SME Group would be provided at the next AP-WHM/WG Meeting.

Summary of Australian Aviation Wildlife Hazard Group (AAWHG) Forum – 14-15 September 2022, Adelaide, Australia (IP/04)

3.5 This paper presented a brief summary of the outcomes of the two-day WHM forum facilitated by AAWHG in Adelaide, Australia on 14-15 September 2022. The AAWHG Forum attracts professionals from across the aviation industry, including airport operators and ground crew, airlines, pilots, service and equipment suppliers, wildlife specialists, trainers, ATC, accident investigators and regulators. Eight sessions across two-days were facilitated and attended by over 100 participants. The presentations are available for download at the AAWHG website; www.aawhg.org/events/2022-forum/. The risks posed to aviation through realization of wildlife hazards is one that reaches all aspects and domains of the aviation system. The hazard is not uniquely an aerodrome problem but is a system-wide problem and through the understanding of this and the integration of the management of this hazard and the associated risk truly effective outcomes could be realised in even the most challenging of environments and across all aviation domains.

Summary of Wildlife Hazard Management Workshop between Australia and Indonesia, 17 January 2023 (IP/05)

3.6 This paper presented the outcomes of a one-day workshop facilitated by Australia with Indonesia in January 2023 on Wildlife Hazard Management and the establishment of a national wildlife hazard management committee in Indonesia. The DGCA identified wildlife hazard management as an ongoing priority in Indonesia’s aviation environment. The workshop had excellent attendance and with representation across the full range of technical domains in aviation relevant to WHM, including aerodromes, air operators, air navigation service provider including senior management. At the conclusion of the workshop, a decision was made to formally establish a national committee in Indonesia. With specific consideration to their situation, Indonesia had decided the Committee would

feature Co-Captains (Co-chairs) from the DGCA, Air Operators, AirNav Indonesia and Aerodromes. This initiative of multiple co-chairs displays positive signs of a high level of accepted responsibility beyond just at the airport level. The hazard is not uniquely an aerodrome problem but is a system-wide challenge. Through the understanding of this and integration of the management of this hazard and the associated risk into the State level system of management known as the State Safety Programme (SSP), effective outcomes could be realised in even the most challenging of environments and across all aviation domains.

Update on the Manual for Strike Reporting and the IBIS (Doc 9332) (PPT/01)

3.7 The ICAO Birdstrike Information System (IBIS) Manual Doc 9332 (3rd edition published in 1989) has not been updated in over 30 years. Two related, but separate initiatives were proposed to ICAO in 2020. The first proposed to update the IBIS manual while the second proposed to allow and/or enhance international data access and data sharing. The goal was simple, enhance global aviation safety by improving member State reporting of wildlife/aircraft strike incidents and the submission of that data into IBIS as well as identifying and/or improving pathways to that data.

3.8 ADOP.015.03 was formalized on 2 February 2021 with the focus to update the IBIS manual; its deadline was Q4 2023 following an extension due to COVID-19. Advancements in data collection and reporting technologies require that the IBIS manual be completely reorganized, amended and modernized in its entirety. The Wildlife Hazard Management Expert Group (WHMEG) focused its voluntary efforts to aid individual member States with not only the submission of strike reports to the IBIS (as per Annex 14, Ch. 9.4.2) but with the collection, analysis and utilization of that strike data (as per Annex 14, Ch. 9.4.1).

3.9 Foundational challenges were addressed within the updated IBIS manual. In 2020, a universal definition of a wildlife strike was provided in Airport Services Manual Part 3 - *Wildlife Hazard Management* Fifth Edition. But, the updated IBIS manual shall provide critical guidance by defining what should be reported as a strike. It details who should report strikes, how and when member States should document strikes, and the many benefits of why documenting wildlife strikes is essential in mitigating wildlife risks. The IBIS manual would provide an updated strike report form that represents the universal minimum for all member States as well as strike data collection and documentation procedures, data validation that allows quality control / quality assurance and basic data analyses. Clarification would also be included on ideal key word usage (e.g., strike, bird strike, birdstrike, wildlife strike, report vs document, snarge vs remains, etc.).

3.10 The second proposed initiative to enhance international data access had a current deadline of Q4 2024. Currently, strike data submitted by member States within the IBIS is unavailable; it is inaccessible by member States that could use the data to improve their incomplete or inaccurate national wildlife strike databases and therefore enhance their understanding of wildlife risks.

3.11 Completion of these two initiatives would result in a global increase of documented strikes, an improvement in data quality and an effective, reliable use of that data towards the reduction of wildlife-related risks and financial losses to aviation.

The global expectations and benefits of strike data include:

- Member States need sufficient quality data to track national trends, determine hazard level of species struck, evaluate aerodrome wildlife hazard programs and provide scientific foundation for regulatory guidance concerning mitigation of risks from wildlife strikes;
- Aerodromes need sufficient quality data to identify and mitigate hazardous species, strike dynamics and wildlife attractants as well as the evaluation of the effectiveness of their wildlife management programs; and

- Industry (e.g., airframe and engine manufacturers) need sufficient quality data to evaluate the effectiveness of aircraft components.

3.12 As much as the benefits can be identified, so too can the consequences of incomplete or inaccurate strike data resulting in ineffective risk management at aerodromes or less than ideal guidance from States (e.g., targeting wrong species, inadequate or incorrect habitat attractant management, ineffective evaluation of wildlife hazard programs, etc.). Likewise, incomplete or inaccurate strike data may result in financial inefficiency and/or misappropriation (e.g., resources and personnel inadequate or misused). Both initiatives were on schedule for completion by their respective deadlines.

Agenda Item 4: Progress Update on Tasks assigned to States and International/Regional Organizations

Nil.

Agenda Item 5: State's Action Plan for Establishment and Implementation of Wildlife Hazard Management Programme – State's Update

State Action Plan for Establishment and Implementation of Wildlife Hazard Management Programme (WP/07)

5.1 The Secretariat presented the “*Generic Template on State's Action Plan for Establishment and Implementation of Wildlife Hazard Management Programme*” developed by the AP-WHM/WG and approved by the APANPIRG/33 Meeting held on 22 – 24 November 2022 in Bali, Indonesia as per recommendation of the AOP/SG/6 Meeting (27 to 30 June 2022, VTC).

5.2 The *Generic Template - State Action Plan for Establishment and Implementation of WHMP* is available on ICAO APAC Website at *eDocuments under AGA heading* (<https://www.icao.int/APAC/Pages/eDocs.aspx>).

5.3 AP-WHM/WG/5 urged States to take necessary action in accordance with **Conclusion APANPIRG/33/4** and update the progress on their implementation of the Action Plan at the AP-WHM/WG/6.

5.4 India and Pakistan agreed to provide progress update on implementation of their Action Plan at the AP-WHM/WG/6 Meeting in 2024.

Agenda Item 6: AP-WHM/WG TOR and Task List

Proposal for an Amendment to the Terms of Reference of AP-WHM/WG (WP/03)

6.1 The Secretariat presented a proposal for an amendment to the current terms of reference of AP-WHM/WG.

6.2 Due to COVID-19 pandemic States and Administrations had re-organized their priorities. In addition, the travel restrictions implemented by States and Administrations had made the face-to-face meeting and onsite workshops/seminars and technical assistance to States impossible necessitating the additional time to fulfil its objective as envisaged.

6.3 As per **Conclusion APANPIRG/33/4**, Asia-Pacific States were urged to develop “*State Action Plan for Establishment and Implementation of WHMP*” and commence to execute the action plan from 1st quarter of 2023 to complete all actions by 2026.

6.4 Furthermore, based on the results of the analysis of the responses received from 23 States to the survey conducted in 2019 and 2020, it was noted that most of the Asia/Pacific States (11 among 23 responded States) either underperforming or if performing still needed direction/guidance with regards to Airport Wildlife Hazard Management Program, Safety Risk Assessment of Wildlife (Bird/Animal) Strike, Wildlife Prevention Measures inside and outside Aerodrome, Wildlife Strike Reporting and Training.

6.5 As a result, the TOR was proposed to be amended to include in its scope an assistance to States through “Asia-Pacific WHM Go-Team” missions as proposed in AP-WHM/WG/5 - **WP/05** presented by ACI and maintain the register of the WHM Experts nominated by States and Industry Partners (AP-WHM/IP-02 refers). The additional scopes of the Working Group were incorporated in the proposed amendment to the TOR of the AP-WHM/WG provided in **Appendix A**. The proposed amendment to the TOR would allow additional time for this Working Group to focus on the implementation aspects, such as, onsite technical assistance to States for establishment of the National Wildlife Hazard Management Committee, Wildlife Hazard Management Programme, conducting WHM workshops/seminars/trainings, customization of Asia-Pacific Generic Guidance Materials for developing State’s Guidance Materials, providing on-the-job trainings to States’s Aerodrome Inspectors (WHM) as and when necessary, continue to carry out the ongoing tasks and complete the new task (Tasks 5/1 to 5/5) added to the Working Group’s Task List and provide some flexibility in the mode of conducting meetings amid the aftermath of COVID-19 pandemic.

6.6 As the proposal for an amendment to AP-WHM/WG’s TOR was supported by all participating States and International Organizations, the AP-WHM/WG/5 endorsed the following Draft Decision for consideration by AOP/SG/7:

Draft Decision AP-WHM/WG/5-1: Proposal for Amendment to AP-WHM/WG’s TOR	
<p>What: That, the Terms of Reference of the Asia/Pacific Wildlife Hazard Management Working Group (AP-AA/WG) be amended as provided in Appendix A to the Report of AP-WHM/WG/5.</p>	<p>Expected impact:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical

<p>Why: To allow additional three years of time for Working Group to focus on the onsite technical assistance to States for establishment of the National Wildlife Hazard Management Committee, Wildlife Hazard Management Programme, conduct new tasks of the TOR, and to provide some flexibility in the mode of meetings amid the aftermath of COVID-19 pandemic.</p>	<p>Follow-up: <input checked="" type="checkbox"/>Required from States</p>
<p>When: 6-Jul-23</p>	<p>Status: Draft to be adopted by Subgroup</p>
<p>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 checked="" type="checkbox"/>Other: AP-WHM/WG</p>	

AP-WHM/WG TOR and Task List (WP/04)

6.7 The AP-WHM/WG/5 Meeting reviewed the Task List, and the updated Task List provided in **Appendix B**.

6.8 WBA has developed the WHM questionnaire, circulated to participants of the AP-WHM/WG/5 and requested to response to the questionnaire by July 2023. WBA’s WHM questionnaire is provided in **Appendix C**.

Agenda Item 7: Any other Business

ICAO Asia-Pacific Wildlife Hazard Management Go-Team Methodology (WP/05)

7.1 ICAO Asia and Pacific Office had conducted a survey in 2019 and 2020 based on the survey questionnaire developed by the AP-WHM/WG to better understand the technical needs of States in WHM and produced a number of guidance materials in WHM. A number of webinars/workshops in WHM, both in person and online, had also been conducted for States and aerodrome operators.

7.2 Complementary to guidance materials and webinars/workshops, a time-tested effective method to provide technical assistance is to organize a “Go Team mission” whereby a team of experts in the relevant areas is sent to the State concerned to review the situation on site and to coach and mentor the personnel there.

7.3 To achieve the above purpose, the ACI developed and presented the methodology for planning, coordination, execution and follow up on Go-Team missions to assist States in WHM field. The detailed methodology provided in **Appendix D** was reviewed by the AP-WHM/WG/5 and the Meeting endorsed the following Draft Conclusion for endorsement by AOP/SG/7 in July 2023 and consideration by APANPIRG/34 in November 2023:

Draft Conclusion AP–WHM/WG/5–2: ICAO Asia/Pacific WHM Go-Team Methodology			
What:	That,	Expected impact:	
	<ul style="list-style-type: none"> • The needs for technical assistance in the area of WHM for ICAO APAC States be periodically reviewed; • States with such needs be encouraged and invited to host WHM missions; and • The methodology for running such Go-Team missions provided in Appendix D to the Report of the AP-WHM/WG/5 be endorsed by AOP/SG/7 and adopted by APANPIRG/34. 	<input checked="" type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input checked="" type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical	
Why:	To assist States in WHM	Follow-up:	<input checked="" type="checkbox"/> Required from States
When:	29-Nov-23	Status:	Draft to be adopted by PIRG
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: AP-WHM/WG		

IBIS Focal Points for Asia and Pacific States (WP/09)

7.4 The Secretariat presented the list of ICAO Bird Strike Information System (IBIS) Focal Points of Asia and Pacific States for review and update by the Meeting.

7.5 ICAO HQs requested all ICAO Regional Offices to update the information of the IBIS Focal Points and send them to ICAO HQs by 31 May 2023.

7.6 The Secretariat informed the Meeting that ICAO APAC Office would circulate the list of the IBIS Focal Points of Asia Pacific States along with the State Letter requesting for verification and updating of the list.

*Note: - Post AP-WHM/WG/5 Meeting the List of ICAO Bird Strike Information System (IBIS) Focal Points of Asia and Pacific States was updated based on information provided by States and available in **Appendix E***

List of Experts of Asia/Pacific Wildlife Hazard Management Working Group (IP/02)

7.7 AP-WHM/WG/5 noted the updated list of experts of AP-WHM/WG provided in **Appendix F**.

7.8 The Meeting urged Members of the Working Group to review the list, update the information of the listed experts and provide names and contact details of new WHM Experts nominated by the respective CAA of the State to ICAO APAC Office.

Agenda Item 8: Date and Venue of Next MeetingProvisional Agenda, Date and Venue of Next Meeting (WP/06)

8.1 The Meeting reviewed the draft agenda proposed by the Secretariat and agreed on the following Provisional Agenda for the AP-WHM/WG/6:

AP-WHM/WG/6**DRAFT PROVISIONAL AGENDA**

Agenda Item 1:	Adoption of agenda
Agenda Item 2:	Review outcomes of related Meetings/Seminars
Agenda Item 3:	Global, Regional and National Guidance/Best Practices on Wildlife Hazard Management
Agenda Item 4:	Progress Update on Tasks assigned to States and International/Regional Organizations
Agenda Item 5:	State's Action Plan for Establishment and Implementation of Wildlife Hazard Management Programme – State's Update
Agenda Item 6:	AP-WHM/WG ToR and Task List
Agenda Item 7:	Any Other Business
Agenda Item 8:	Date and Venue of Next Meeting

8.2 The next meeting of AP-WHM/WG would be held in the last week of April/or early May 2024 for three to five days.

8.3 The meeting determined that AP-WHM/WG/6 should be in the form of face-to-face meeting.

8.4 States/Administrations interested to host the AP-WHM/WG/6 were requested to contact the Secretariat. The venue of AP-WHM/WG/6 will be communicated to States/Administrations through ICAO APAC Invitation Letter.

Election of the Chairperson

8.5 Dr. Punya Raj Shakya, Secretary of the AP-WHM/WG invited the meeting to provide a nomination to the position of the Chairperson of the Working Group. The post would take effect from AP-WHM/WG/6 onwards.

8.6 Mr. Teeravee Yongwattanajiranon, Aerodrome Standard Development Officer, Civil Aviation Authority of Thailand proposed Mr. Deo Chandra Lal Karn, Deputy Director General of Civil Aviation Authority of Nepal, to be the Chairperson of AP-WHM/WG for next four-year term. Mr. Teeravee Yongwattanajiranon provided a brief resume of Mr. Karn's illustrious career achievements, with more than 30 years of experience in Civil Aviation including wide experience in WHM and expressed confidence that Mr. Karn would be able to provide an effective leadership to AP-WHM/WG for the next four years term. Mr. Karn's nomination was supported by all participating States and International Organizations. The meeting unanimously elected Mr. Deo Chandra Lal Karn as Chairperson of the AP-WHM/WG for the next four-year term.

8.7 Mr. Deo Chandra Lal Karn thanked the meeting for re-electing him as a Chairperson of AP-WHM/WG for the next four years and expressed appreciation for the tremendous support he received from States/Administrations and looked forward to the similar supports in future.

Closing of the Meeting

9.1 Mr. Deo Chandra Lal Karn, Chairperson of the AP-WHM/WG, expressed sincere thanks and appreciation to the participants from States/Administrations, International Organizations (IOs) and members of ICAO WHM Expert Group for their contribution and support to AP-WHM/WG/5. He also expressed thanks to ICAO Secretariat for the excellent preparation of the meeting.
