



ICAO

Fifth Meeting of the Asia/Pacific Wildlife Hazard
Management Working Group (AP-WHM/WG/5)

Bangkok, Thailand, 3 to 5 May 2023

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

(Presented by the Secretariat)

SUMMARY

This paper presents a discussion on *State's Action Plan for Establishment and Implementation of Wildlife Hazard Management Programme* and the timeline for its implementation as agreed by the APANPIRG/33 Meeting held on 22 – 24 November 2022 as a hybrid event.

1. INTRODUCTION

1.1 APANPIRG/33 adopted the following Conclusion formulated by AP-WHM/WG/4 and endorsed by AOP/SG/6:

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.*

1.2 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>) and also provided in **Appendix A** for easy reference.

1.3 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. DISCUSSION

State Action Plan for Establishment and Implementation of WHMP - Generic Template

2.1 The Generic Template has 16 action items starting from the designation of a national coordinator to the establishment of national and airport WHM committees, and the reporting of wildlife strikes to ICAO.

2.2 The template was developed making a reference to existing ICAO, States and industry guidance materials, and expert views and experience relevant to wildlife hazard management.

2.3 For a State to establish a WHMP, the template suggests actions and their order in which these are to be taken. Entities responsible to take the successive actions, target and actual implementation dates should be determined by the States themselves and provide explanatory remarks where necessary.

2.4 The template allows for some flexibility in the order in which certain actions are to be taken to suit the specific circumstances of the State concerned. For example it suggests that the identification or development of national regulations relevant to WHMP (action item 7) may be done before or after the establishment of airport WHM committee(s) (action item 9) depending on the circumstances of the State.

Implementation Timeframe

2.5 APANPIRG/33 agreed that States should start undertaking the actions recommended in the generic template at the latest from first quarter of 2023 to complete all actions by December 2026 taking into considerations of WHM activities already being undertaken by the State concerned.

3. ACTION BY THE MEETING

3.1 The meeting is invited:

- a) to urge 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; and
- b) Discuss any other relevant matters as appropriate.

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WILDLIFE HAZARD MANAGEMENT PROGRAMME (WHMP)

STATE ACTION PLAN FOR DEVELOPMENT AND IMPLEMENTATION OF WHMP

GENERIC TEMPLATE

[Approved by APANPIRG/33]

_____ [Insert name of State]

This generic template provides a recommended action plan for States to implement WHMP. Certain action(s) and/or order of actions recommended here may be not applicable in all States. States may adapt this action plan to suit their national and local conditions as appropriate.

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 1	Designate a WHM National Coordinator to coordinate activities for the development and implementation of WHMP at the national level	State Aviation Authority ¹ responsible for aviation safety (hereafter referred to as CAA)			
WHMP 2	Identify/designate WHM Focal Points in all stakeholders, e.g. aerodrome operators, ANSPs, aircraft operators, and pilots. <i>Note.– Stakeholders may be represented by their national, regional or international associations, e.g. ACI, CANSO and IFALPA.</i>	CAA, Aerodrome Operators, ANSPs, Aircraft Operators.			

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 3	Review ICAO provisions and guidance issued by other relevant aviation organisations.	CAA, Aerodrome Operators, ANSPs, Aircraft Operators			
WHMP 4	Establish National WHM Committee (NWHMC) with defined terms of reference. <i>Note.– See list of publications in suggested references below.</i>	CAA or industry representative appointed by CAA			
WHMP 5	Facilitate WHM initial training in basic WHM concepts for NWHMC members.	CAA			
WHMP 6	Organize initial and recurrent technical WHM training and seminars for Focal Points and relevant staff members of all stakeholders. <i>Note.– Regular seminars, e.g. annual, are important for maintaining recency and promoting sharing of knowledge and best practices in WHM.</i>	Other stakeholders, e.g. ANSP, aerodrome operators			
WHMP 7	Identify, if non-existing, develop, and if need be, amend regulations, standards and guidance materials, e.g. SSP, reference to WHMP in aerodrome manual and SMS manual. <i>Note.– States may reverse order of WHMP7 and WHMP9 as they see fit. See Note 2 below the Table.</i>	CAA, National WHM Coordinator and all relevant Focal Points for all stakeholders			

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 8	<p>Establish regulations and/or guidelines that consider WHM aviation safety impacts related to land and infrastructural developments outside the aerodrome boundary.</p> <p><i>Note.– Examples of land and infrastructural developments that may have safety impacts are theme parks, restaurants, solar panel installations.</i></p>	State, e.g. Ministry responsible for Civil Aviation in coordination with other concerned Ministries.			
WHMP 9	<p>Establish airport WHM committees with defined terms of reference and representation from all relevant stakeholders.</p> <p><i>Note.1 – States may reverse order of WHMP7 and WHMP9 as they see fit. See Note 2 below the Table.</i></p> <p><i>Note 2.– Examples of relevant stakeholders to be represented on the WHM committees are airport runway safety team, urban planning and land administration authorities.</i></p>	Aerodrome operators			

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 10	<p>Develop airport WHM Plan covering on and off airport activities, facilities and infrastructure and any changes thereof, contingencies and crises so that any impact of such elements shall be included in the WHM plan. Consistency with other plans shall also be duly considered.</p> <p><i>Note.1 – Refer to Part 3 of Doc 9137 for guidance on the establishment of airport WHM plan.</i></p> <p><i>Note 2.– An example of “other plans” is waste management plan.</i></p> <p><i>Note 3.– WHMP should be drafted with achievable actions, define clear list of roles & responsibilities.</i></p>	Aerodrome operators			
WHMP 11	<p>Include the review of effectiveness of airport-level WHM Plan(s) in State safety oversight program.</p> <p><i>Note. – The review of the effectiveness of airport WHM Plan could be included in the aerodrome SMS.</i></p>	CAA			
WHMP 12	<p>Establish methodology and procedures to review regularly, e.g., annually, the effectiveness of national WHM program.</p> <p><i>Note. – This could be part of SSP.</i></p>	CAA			

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 13	<p>Coordinate airport WHM Plan with air operators and other airport users in the identification of wildlife hazards, e.g. locations and probabilities of wildlife presence, to improve effectiveness of mitigation measures, e.g. by providing a mechanism to share in a timely manner wildlife hazard intelligence with other stakeholders, in particular, pilots, such as alert bulletins, NOTAMs and wildlife detection technologies.</p> <p><i>Note. – “timely manner” in this context means “as close to real time as possible”.</i></p>	CAA and all relevant Focal Points for all stakeholders			
WHMP 14	Identify the necessary means and resources for the implementation of national WHMP (human, financial and material resources)	National Coordinator and NWHMC			
WHMP 15	Promote safety and reporting culture as per safety management principles	CAA and all relevant stakeholders			
WHMP 16	<p>Establish wildlife hazard database as part of SDCPS³ under SMS and SSP and report electronically wildlife strikes in the standard ICAO format.</p> <p><i>Note. – Information technologies should be adopted to facilitate the recording, sharing and reporting of wildlife activities and strikes.</i></p>	CAA and aerodrome operators			

Notes:

1. Examples of State Aviation Authority are CAA, DGCA and DCA.
2. State may change order of action items as they see fit.
3. SDCPS stands for Safety Data Collection and Processing Systems

References

Publications / Websites

1. PANS Aerodromes (Doc 9981)
2. Airport Services Manual (Doc 9137), Part 3 - Wildlife Hazard Management
3. ICAO [Asia Pacific Guidance for Evaluation of Aerodrome Wildlife Hazard Management Programm](#)
4. ICAO Asia Pacific [Guidance for Establishment of National Procedure for Recording and Reporting Wildlife Strikes to Aircraft](#)
5. ICAO Asia Pacific Guidelines on the drafting of [Terms of References of National Wildlife Hazard Management Committee](#)
6. IBIS Manual (under revision as at 2021). See <https://www.icao.int/safety/Pages/IBIS.aspx>.
7. ACI Wildlife Hazard Management [Handbook](#)

Training

1. ACI Wildlife Hazard Management Professional Certificate Course ([classroom](#) interactive)
2. ACI Wildlife Hazard Management Training Course ([online](#) self-learning)

Activities

1. ICAO AP-WHM/WG