



ICAO

International Civil Aviation Organization

The Eighth Meeting of the Asia/Pacific Wildlife Hazard
Management Working Group (AP-WHM/WG/8)

Bangkok, Thailand, 25 to 28 May 2026

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

**STATE ACTION PLAN FOR DEVELOPMENT AND IMPLEMENTATION OF LAO PDR
WILDLIFE HAZARD MANAGEMENT PROGRAM (WHMP)**

(Presented by LAO PDR)

SUMMARY

This paper presents Lao PDR's progress on development and implementation of the Wildlife Hazard Management Programme (WHMP). It outlines the key implementation of Lao DCA to ensure compliance with ICAO SARP and prepare for upcoming USOAP Audit.

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:

(a) 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

(b) 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 State Letter Ref.: AN 3/3 – AP014/23 (AGA) requesting States to take necessary action regarding Conclusion APANPIRG/33/4 was circulated to Asia and Pacific States on 24 January 2023 by Asia and Pacific Office, ICAO.

1.3 The update on State Action Plan is presented in response to Task 7/4 assigned to Lao PDR during AP-WHM/WG/7.

2. DISCUSSION

Update on State Action Plan for Establishment and Implementation of WHMP in Lao PDR

2.1 To ensure compliance with the requirements of Standards and Recommended Practices (SARPS) contained in Annex-14 and ICAO USOAP CMA Protocol Questions related to Wildlife Hazard Management, Lao PDR has developed the State Action Plan for Establishment and Implementation of WHMP considering the national and local conditions and is provided at Appendix A along with explanatory remarks where necessary.

2.2 The actual and proposed implementation timeframe for 16 action items are determined in State Action Plan and responsible entities for competing the successive defined tasks have been designated.

2.3 The national coordinator to coordinate activities for the development and implementation of WHMP at the national level is designated and a committee comprising members from different directorates is constituted to support the national coordinator.

2.4 Lao PDR has started undertaking the actions recommended in the generic template with aim to complete all actions by December 2026 taking into considerations of WHM activities already undertaken.

2.5 Lao PDR now under process of the revise the Civil Aviation Law to mention the requirement the need to have Land Used in the vicinity of the airport regarding to control and management of the activities that likely to risk to aircraft operation safety. Targeted to be approved by the National Assembly by October 2026, this amendment including require for land used management to control and management activities in the vicinities of the airport that likely risk to safety of aircraft operation.

2.6 DCAL is establishing the Prime Minister Decree on Land Used in the vicinity of the Airport, regarding to the management and control of the activities in the vicinities that likely to risk to the safety of the aircraft operation including activities likely to attracted wildlife into/on the aerodrome and regarding to the responsibilities of the local authority.

2.7 To implement this prime minister decree, National WHM Committee will be establish as one of its mechanisms.

Challenge

2.8 Limited time to prepare for the draft of the decree with lack of technical expertise.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matters as appropriate and if any state that have similar legislation could share any sample.



**WILDLIFE HAZARD MANAGEMENT PROGRAMME (WHMP)
STATE ACTION PLAN FOR DEVELOPMENT AND IMPLEMENTATION OF WHMP
Lao People’s Democratic Republic**

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)	Completed		<ul style="list-style-type: none"> - Focal point has been appointed, same as IBIS focal point; - Targeted WHM inspector.
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.	Completed		WHM Focal points by Stakeholders such as Aerodrome Operators (AAI, Private & State), Schedule Airlines and ANSP (AAI) have been designated. <ul style="list-style-type: none"> • Responsible technical staff from each airport is mentioned in the Aerodrome operation manual including their name, position and contact information.

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	30 June 2025		<ul style="list-style-type: none"> • Covered Annex-14 provisions regarding to the wildlife hazard management in Manual of Aerodrome Standards (MOS); • Guidance on Wildlife Hazard Management provided to Aerodrome Operators through Aerodrome Advisory Circular 002 of 2014. • Under review of guidance developed by ICAO APAC Office to identified gaps and revise the guidance materials accordingly.

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
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	End of 2026		<ul style="list-style-type: none"> • DCAL is establishing the Prime Minister Decree on Land Used in the vicinity of the Airport, regarding to the management and control of the activities in the vicinities that likely to risk to the safety of the aircraft operation including activities likely to attracted wildlife into/on the aerodrome and regarding to the responsibilities of the local authority. • To implement this prime minister decree, National WHM Committee will be establish as one of its mechanism.
WHMP 5	Facilitate WHM initial training in basic WHM concepts for NWHMC members.	CAA	On going		

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 6	<p>Organize initial and recurrent technical WHM training and seminars for Focal Points and relevant staff members of all stakeholders.</p> <p><i>Note.– Regular seminars, e.g. annual, are important for maintaining recency and promoting sharing of knowledge and best practices in WHM.</i></p>	Other stakeholders, e.g. ANSP, aerodrome operators	On going		<ul style="list-style-type: none"> • Sharing technical information and training by ICAO and CAAT in end of 2023; • Under review and revise type of AGA inspector to specific WHM inspector and its training requirements; • Under approval process the guidance to the aerodrome operator regarding to the aerodrome technical staff competency including the staff responsible for wildlife hazard management; • Under aerodrome certification process, DCA issues finding to airport operator regarding to the lacking of the training programme and plan specifically focus on WHM staff.

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 7	<p>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.</p> <p><i>Note.– States may reverse order of WHMP7 and WHMP9 as they see fit. See Note 2 below the Table.</i></p>	CAA, National WHM Coordinator and all relevant Focal Points for all stakeholders	On going		<ul style="list-style-type: none"> • Civil Aviation Law is under amendment process, estimated proposed to the government and approved by the parliament by October 2026, this amendment including require for land used management to control and management activities in the vicinities of the airport that likely risk to safety of aircraft operation; • International Aerodromes are under certification process, WHM included in the Aerodrome Operation Manual and its specific SOP. • SSP committee is under review and revised.

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.	End of 2026		<ul style="list-style-type: none"> • DCAL is establishing the Prime Minister Decree on Land Used in the vicinity of the Airport, regarding to the management and control of the activities in the vicinities that likely to risk to the safety of the aircraft operation including activities likely to attracted wildlife into/on the aerodrome and regarding to the responsibilities of the local authority.
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	End of 2026		<ul style="list-style-type: none"> • Aerodrome Operator is in process for aerodrome certification, initially implement its responsibilities according to the approved aerodrome manual to inspect and collect the wildlife hazard strike to further assessment if needed the WHM programme and committee to implement accordingly. • Under process to develop, considering inline with the Runway Safety Team and Apron safety committee.

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	End of 2026		
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	On going		<ul style="list-style-type: none"> • Three international airports are under certification process. WHM is one of the elements to be inspect during certification. • Included in the aerodrome surveillance inspection to follow up the finding from initial certification process.

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
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	On going		<ul style="list-style-type: none"> To be included in the SSP implementation
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	On going		
WHMP 14	Identify the necessary means and resources for the implementation of national WHMP (human, financial and material resources)	National Coordinator and NWHMC	On going		

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 15	Promote safety and reporting culture as per safety management principles	CAA and all relevant stakeholders	On going		<ul style="list-style-type: none"> • Lao Airlines conduct a Wildlife Hazard Management Standards Check at Wattay International Airport, Vientiane, Laos (VTE). • The programme included workshop for its own staff as well as representatives from VTA and the Department of Civil Aviation, Laos (DCAL) to raise awareness of best practice for managing the wildlife hazard at airports. • The report also provides some outline advice on the future development of LAO's approach to wildlife hazard management, and on how this can be structured to fit in with good SMS practice.
WHMP 16	Establish wildlife hazard database as part of SDCPS ³ under SMS and SSP and report electronically wildlife strikes in the standard ICAO format. <i>Note. – Information technologies should be adopted to facilitate the recording, sharing and reporting of wildlife activities and strikes.</i>	CAA and aerodrome operators	On going		<ul style="list-style-type: none"> • The data of wildlife (Bird /Animal) strike is being Collected by the operator and airlines; • Lao Airlines has been reporting the wildlife strike inline with SMS implementation to DCA.

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