



ICAO

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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 INDONESIA
WILDLIFE HAZARD MANAGEMENT PROGRAM (WHMP)**

(Presented by INDONESIA)

SUMMARY

This paper presents the State Action Plan by Indonesia on the development and implementation of the Wildlife Hazard Management Program (WHMP). It outlines key activities, responsibilities, and timelines to enhance wildlife hazard management at national and aerodrome levels, and focuses on the progress made in coordinating stakeholders, developing regulation, and implementing actions for effective wildlife hazard management in Indonesia.

1. INTRODUCTION

1.1 Wildlife strikes, especially the Bird strikes, remain a critical safety risk to civil aviation globally, as well as in the military aviation operations. Recognizing this, Indonesia has prioritized the development and implementation of a comprehensive Wildlife Hazard Management Program (WHMP) to mitigate such risks at aerodrome nationwide.

1.2 Indonesian Directorate General of Civil Aviation has coordinated efforts among stakeholders including Aerodrome Operator, Aircraft Operator, Air Navigation Providers, National Research Agency, and Scientist to establish a strategic and structured approach toward wildlife hazard management.

1.3 In the Seventh Meeting of the Asia/Pacific Wildlife Hazard Management Working Group (AP-WHM/WG/7), Indonesia was requested to share progress report on its "Action Plan for Development and Implementation of WHMP".

2. DISCUSSION

Indonesia's WHMP State Action Plan

2.1 Indonesia's WHMP State Action Plan includes a series of actions categorized under WHMP 1 to WHMP 16, detailing the designation of responsibility entities, targeted implementation dates, and remarks on the progress.

2.2 Indonesia aims to complete all planned activities by December 2027, in accordance with national priorities and operational needs.

2.3 Key milestones achieved include:

- Designation of a WHM National Coordinator and Focal Points across stakeholders;
- Establishment of Wildlife Hazard Management Working Group;
- Review and integration of ICAO provisions into national regulations; and
- Development and implementation of airport-specific WHM Plans.

2.4 Indonesia has embedded wildlife hazard management into its regulatory framework through The Ministry of Transport Number PM 95 year 2021 on Civil Aviation Safety Regulation Part 139 Aerodrome, The Director General of Air Transport Decree Number PR 21 year 2023 on Technical Standards and Operations for the Civil Aviation Safety Regulation Part 139 Aerodrome, The Director General of Air Transport Decree Number SKEP 42 year 2010 on the Advisory Circular CASR 139-03 WHM on or in the Vicinity of an Aerodrome, and The Director General of Air Transport Decree Number KP 468 year 2011 on the Wildlife/Bird Strikes Reporting Procedures on or in the vicinity of an Aerodrome.

2.5 Ongoing initiatives include:

- Enhancing wildlife strike reporting and analysis through IBIS;
- Wildlife / Bird strikes data sharing between 5 State CAAs of Indonesia, Singapore, Malaysia, Thailand and Philippines;
- Organizing wildlife initial and recurrent training and workshops; and
- Enhancing collaboration effort on the wildlife hazard communication and coordination between Airport Operators, Aircraft Operators, Air Navigation Providers, National Research Agency, Scientist, Airforce Safety Unit, Airport Authority, and Local Airport Government Agencies in a timely manner.

2.6 Future actions planned include the establishment of a National WHM Committee (NWHMC) and aerodrome-level WHM Committees, development of regulations for managing land-use impacts outside aerodrome boundaries, and formalize cooperation throughout Memorandum of Understanding (MoU) with the Directorate General of Natural Resources and Ecosystem Conservation.

2.7 Future details of Indonesia’s Wildlife Hazard Management Program (WHMP) State Action Plan, including responsible entities, targeted implementation dates, implementation status, are provided in the **Appendix A**.

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.

**WILDLIFE HAZARD MANAGEMENT PROGRAMME (WHMP)
STATE ACTION PLAN FOR DEVELOPMENT AND IMPLEMENTATION OF WHMP
Directorate General of Civil Aviation – Indonesia**

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.	Directorate General of Civil Aviation (DGCA)	September - 2023	September - 2023	<ol style="list-style-type: none"> 1. DG Decree Number KP157-2023, dated August 25, 2023 on the establishment of the Wildlife Hazard Management Working Group (WHM-WG). 2. Comprising representatives from DGCA, Aerodrome Operators, Aircraft Operators, ANSP and Scientist. 3. The objective of WHM-WG aims to reduce the rate of bird and wildlife strikes with damage to aircraft parts. 4. This WHM-WG is defined by the establishment of NWHMC.

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 2	Identify/designate WHM Focal Points in all stakeholders, e.g. aerodrome operators, ANSPs, aircraft operators, and pilots.	DGCA, Aerodrome Operators, ANSPs, Aircraft Operators	September - 2023	September - 2023	WHM Focal Points from all stakeholder has been appointed as part of WHM Working Group
WHMP 3	Review ICAO provisions and guidance issued by other relevant aviation organisations.	DGCA, Aerodrome Operators, ANSPs, Aircraft Operators	December - 2025	December - 2025	<p>WHM Working Group has reviewed ICAO provisions and guidance. DGCA will revise regulation related to:</p> <ul style="list-style-type: none"> a. Procedure for recording and reporting wildlife hazard strike b. Guidance for develop WHMP c. Evaluation WHMP
WHMP 4	Establish National WHM Committee (NWHMC) with defined terms of reference.	DGCA	December - 2026		DGCA will establish National WHM Committee (NWHMC) with defined terms of reference after revision of CASR issued
WHMP 5	Facilitate WHM initial training in basic WHM concepts for NWHMC members.	NWHMC and DGCA	2027		DGCA will coordinate with training provider to provide basic WHM training

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 6	Organize initial and recurrent technical WHM training and seminars for Focal Points and relevant staff members of all stakeholders.	NWHMC and DGCA	2027		DGCA and NWHMC will organize initial and recurrent technical WHM training and seminars / workshops
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.	NWHMC and DGCA	December - 2027		NWHMC and DGCA will revise existing regulation
WHMP 8	Establish regulations and/or guidelines that consider WHM aviation safety impacts related to land and infrastructural developments outside the aerodrome boundary.	State, e.g. Ministry responsible for Civil Aviation in coordination with other concerned Ministries. (ATR BPN. LH dan Kemendagri)	December 2026		NWHMC and DGCA will coordinate with the Ministry of Agrarian Affairs and Spatial Planning, Ministry of Environment, and Ministry of Home Affairs to develop and conclude a Memorandum of Understanding (MoU).

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 9	Establish airport WHM committees with defined terms of reference and representation from all relevant stakeholders.	Aerodrome operators	March 2027		Established in 2010
WHMP 10	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.	Aerodrome operators			Established in 2010
WHMP 11	Include the review of effectiveness of airport-level WHM Plan(s) in State safety oversight program.	DGCA	December - 2027		DGCA will conduct safety oversight related to WHMP

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 12	Establish methodology and procedures to review regularly, e.g., annually, the effectiveness of national WHM program.	NWHMC and DGCA	December - 2026		
WHMP 13	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.	CAA and all relevant Focal Points for all stakeholders			Established in 2010

ID	ACTION	ENTITY RESPONSIBLE	TARGETED IMPLEMENTATION DATE	ACTUAL IMPLEMENTATION DATE	REMARKS
WHMP 14	Identify the necessary means and resources for the implementation of national WHMP (human, financial and material resources)	WH Working Group and DGCA	February - 2027		
WHMP 15	Promote safety and reporting culture as per safety management principles	WH Working Group and DGCA	2027		
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.	DGCA and SSP	2027		