



ICAO

International Civil Aviation Organization

ICAO Asia/Pacific Wildlife Hazard Management Workshop
and Seventh Meeting of the Asia/Pacific Wildlife Hazard
Management Working Group (AP-WHM/WG/7)

*Pokhara, Nepal, 5 to 9 May 2025***Agenda Item 6: Any Other Business****ICAO USOAP CMA AND AGA FINDINGS IN WHM**

(Presented by the Secretariat)

SUMMARY

This paper discusses USOAP CMA Effective Implementation (EI) scores of States and APAC Region in Wildlife Hazard Management (WHM) related Protocol Questions under Aerodromes and Ground Aids (AGA) area.

1. INTRODUCTION

1.1 The USOAP CMA aimed at assessing Contracting States' capabilities to ensure an effective oversight of the aviation systems through the implementation of the eight critical elements of a safety oversight system. These critical elements include in particular:

The "Establishment CEs":

Critical Element (CE) 1 – Primary aviation legislation

Critical Element (CE) 2 – Specific operating regulations

Critical Element (CE) 3 – State system and functions

Critical Element (CE) 4 – Qualified technical personnel

Critical Element (CE) 5 – Technical guidance, tools and provision of safety-critical information

The "Implementation CEs":

Critical Element (CE) 6 – Licensing, certification, authorization and approval obligations

Critical Element (CE) 7 – Surveillance obligations

Critical Element (CE) 8 – Resolution of safety issues

1.2 The USOAP CMA focused on eight audit areas as follows:

- 1) Primary aviation legislation and specific operating regulations (LEG);
- 2) Civil aviation organization (ORG);
- 3) Personnel licensing and training (PEL);

- 4) Aircraft operations (OPS);
- 5) Airworthiness of aircraft (AIR);
- 6) Aircraft accident and incident investigation (AIG);
- 7) Air navigation services (ANS); and
- 8) Aerodromes and ground aids (AGA)

Note: State Safety Programme (SSP) as a new audit area will be added and announced in due course for its applicability.

1.3 ICAO launched the third edition of the *Safety Oversight Manual (Doc 9734), Part A — The Establishment and Management of a State Safety Oversight System*. It is expected that this manual will assist States in establishing and implementing their safety oversight systems.

1.4 The *Universal Safety Oversight Audit Programme Continuous Monitoring Manual (Doc 9735)* provides detailed information about USOAP CMA, specifically the policy, procedures and guidance on the management and conduct of programme activities under the CMA. The Doc 9735 is available at <https://soa.icao.int/USOAPLibrary/Library.aspx>.

2. DISCUSSION

ICAO USOAP CMA activities in APAC States in 2024

2.1 The USOAP CMA Activity Plan, which is issued as an Electronic Bulletin and posted on ICAO-NET twice a year, lists the scheduled USOAP CMA activities and can be accessed at ICAO secure portal (<https://soa.icao.int/USOAPLibrary/Library.aspx>). ICAO Electronic Bulletin (EB) 2025/2 dated 21 January 2025 is provided in **Attachment A**.

2.2 States are selected for CMA audits and ICVMs based on various factors, including risk indicators, previous audit results, deferrals, the level of activities in the State and progress made by States in resolving identified deficiencies. ICAO also conducts ICVMs for States with a Significant Safety Concern (SSC), once sufficient information is received indicating that the SSC has been resolved.

2.3 Each year, ICAO also carries out a number of off-site validation activities for States which have satisfactorily addressed certain findings (mostly related to Critical Elements 1 to 5) in the relevant audit areas.

2.4 In 2024, two audits and one ICVM conducted and USOAP CMA audit for Bangladesh postponed at the request of the State due to the civil unrest:

Dates (2024)	States	
	ICVM	Audit
16 to 30 April 2024		China [Completed]
15 to 27 May 2024		Viet Nam [Completed]
05 to 12 Jun 2024	Pakistan	

	[Completed]	
15 to 27 Oct 2024		Bangladesh [Postponed ¹]

Table 1: USOAP CMA activities conducted in 2024 in APAC States

2.5 In 2025, the following USOAP CMA Activities will be conducted for following APAC States (see EB 2025/2 dated 21 January 2025 - **Attachment A**):

Dates (2025)	States	
	ICVM	Audit
12 to 24 Mar 2025		Philippines [Postponed]
9 to 16 Apr 2025	Papua New Guinea	
4 to 11 Jun 2025	Cambodia	
11 to 23 Jun 2025		Maldives
9 to 22 Jul 2025		New Zealand
27 Aug to 8 Sep 2025		Thailand

Table 2: USOAP CMA activities planned in 2025 for APAC States

2.6 ICAO USOAP CMA Workshop will be conducted for Asia and Pacific States from 11 to 13 Nov 2025 in Bangkok, Thailand.

ICAO USOAP CMA results in WHM related PQs in AGA Area

2.7 There are 5 PQs related to WHM in 2024 USOAP CMA PQ Checklist under AGA Area as shown in the Table 1 below.:

PQs	Description of PQ	CE	PPQ
8.328	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?	CE-5	No
8.329	Does the State collect and forward wildlife strike reports to ICAO?	CE-8	No
8.331	Does the State ensure that aerodrome operators take appropriate action to decrease the hazard of wildlife strikes?	CE-6	No

¹ Postponed at the request of the State and due to the ongoing civil unrest.

8.333	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?	CE-1	No
8.335	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?	CE-8	No

Table 3: WHM Related PQs under AGA Area

2.8 The APAC Average WHM EI scores derived from ICAO USOAP CMA Online Framework (OLF) and iSTARS 4.0 PQ Tester for years 2018 (as baseline data) and April 2024 and April 2025 are shown in the table below:

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)

Table 4: APAC Average EI Scores for WHM PQs
[Source: USOAP CMA OLF/ iSTARS 4.0 - PQ Tester]

2.9 EIs of the individual Asia and Pacific State for WHM related PQs in AGA Area derived from iSTARS 4.0 are provided in **Attachment B** to this Working Paper and illustrated in Table 5 below.

State's USOAP EI in WHM under AGA Area		
USOAP EI (In Per Cent)	Number of States	Remarks
100	9	<u>Australia</u> , Brunei, DPR Korea, Fiji, Japan, <u>Maldives</u> , Mongolia, <u>Singapore</u> , Sri Lanka
80	3	Bhutan, China, India
60	6	Indonesia, Pakistan, Papua New Guinea , Rep. of Korea, Thailand , Tonga
40	11	Bangladesh, Lao PDR, Malaysia, Myanmar, Nepal, New Zealand , Palau, Philippines, Samoa, Solomon Islands, Viet Nam
20	1	Nauru

State's USOAP EI in WHM under AGA Area		
USOAP EI (In Per Cent)	Number of States	Remarks
0	9	Afghanistan, Cambodia , Cook Islands, Kiribati, Marshall Islands, Micronesia, Timor-Leste, Tuvalu, Vanuatu

Table 5: APAC States's EI Scores for WHM PQs
[Source: USOAP CMA OLF/ iSTARS 4.0 - PQ Tester]

2.10 ICAO Global Aviation Safety Plan (GASP) 2023-2025 (Doc 10004) established that each member State should achieve 75% EI in each CE by 2024. As there are **28 States** in APAC Region with EI less than 75% in WHM related PQs and corresponding CEs (Table 5 above refers), these States would require more resources and efforts to enhance their EI and meet the GASP target 2023 - 2025.

3. ACTION BY THE MEETING

3.1 The Meeting is invited to note the information contained in this paper and encourage:

- a) States with EI less than 80% to put more resources and efforts to improve EI to meet the 75% of GASP 2023 - 2025 target; and
- b) States to approach respective COSCAPs, Pacific Aviation Safety Office (PASO) or ICAO APAC Office if State(s) require technical assistance in WHM area.

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EB 2025/2

21 January 2025

ICAO UNIVERSAL SAFETY OVERSIGHT AUDIT PROGRAMME — ACTIVITY PLAN

1. The International Civil Aviation Organization (ICAO) Universal Safety Oversight Audit Programme (USOAP) Activity Plan, published twice a year and posted on the USOAP Continuous Monitoring Approach (CMA) online framework (<https://www.icao.int/usoap>), lists the completed and planned CMA audits, ICAO Coordinated Validation Missions (ICVMs), off-site validation activities and workshops for the past and current year (see Attachments A and B for details). The activity plan published in January constitutes an update to the activity plan published in June of the previous year. The 2025 activity plan was first published on 4 July 2024 through Electronic Bulletin (EB) 2024/12.
2. States are selected for CMA audits and ICVMs based on various factors, including risk indicators, previous audit results, deferrals, the level of activities in the State and progress made by States in resolving identified deficiencies. ICAO also conducts ICVMs for States with a Significant Safety Concern (SSC), once sufficient information is received indicating that the SSC has been resolved.
3. To support the USOAP CMA objectives, States are strongly urged to accept the dates of a scheduled USOAP activity and to refrain from making deferral requests. Any such requests shall be subject to the provisions of Article 14 of the Memorandum of Understanding (MOU) signed with ICAO regarding the USOAP CMA and of Chapter 3, 3.5.4 of ICAO Doc 9735 (5th Edition — 2023).
4. Each year, ICAO also carries out a number of off-site validation activities (including integrated validation activities) for States which have satisfactorily addressed certain findings in the relevant audit areas.
5. In 2024, 15 CMA audits and 5 ICVMs were completed, along with three off-site validation activities.
6. For 2025, 20 USOAP CMA activities have been scheduled: 16 CMA audits and 4 ICVMs. States interested in receiving a CMA activity (either on-site or off-site), including on a cost-recovery¹ basis for on-site activities, are advised to contact the Deputy Director, Monitoring, Analysis and Coordination, Air Navigation Bureau by email at USOAPInbox@icao.int. Such requests will be considered based on various factors listed in paragraph 2 above, as well as available ICAO resources.

¹ A cost-recovery USOAP CMA activity is paid for by the requesting State and can include audits, validations, etc. (Doc. 9735).

7. In 2024, 5 USOAP CMA workshops were conducted in ICAO Regional Offices and a Member State. For 2025, 2 workshops have been tentatively scheduled.

Enclosures:

A — Status of USOAP CMA Activities in 2024

B — USOAP CMA Activity Plan for 2025

Issued under the authority of the Secretary General

ATTACHMENT A to EB 2025/2

USOAP CMA Activities — Status for 2024

Note 1.— States and organizations are listed in alphabetical order and by region. Organizations come after States.

Note 2.— Dates for audits and ICVMs represent the on-site or virtual activity dates. For off-site validation activities, the dates represent the publication dates of the final reports.

Note 3.— Unless otherwise specified by footnotes, the scope of the audits includes all audit areas.

Note 4.— The scope of validation activities is determined based on the level of progress made by the State in resolving the safety deficiencies identified during previous USOAP CMA activities.

State/Organization	Type of Activity	Dates	Status
Asia and Pacific (APAC) Region			
Bangladesh	Audit	15 to 27 Oct 2024	Postponed ¹
China	Audit	16 to 30 Apr 2024	Completed
Pakistan	ICVM	5 to 12 Jun 2024	Completed
Viet Nam	Audit	15 to 27 May 2024	Completed
Eastern and Southern African (ESAF) Region			
Botswana	Audit ²	18 to 27 Jun 2024	Completed
Namibia	Audit	6 to 18 Mar 2024	Completed
Rwanda	Off-site validation	Aug 2024	Completed
Zambia	Audit	21 Aug to 2 Sep 2024	Completed
European and North Atlantic (EUR/NAT) Region			
Albania	ICVM	11 to 19 Dec 2024	Completed
Algeria	Audit	16 to 28 Jan 2024	Postponed to 2025 ³
Armenia	Audit	24 Jan to 5 Feb 2024	Completed
	ICVM	12 to 16 Aug 2024	Completed
Hungary	Audit	6 to 18 Nov 2024	Completed
Morocco	Off-site validation ⁴	Oct 2024	Completed
Türkiye	Audit	4 to 16 Sep 2024	Completed
Middle East (MID) Region			
Egypt	Audit	26 Nov to 8 Dec 2024	Postponed ⁵
Oman	Audit ⁶	23 Jan to 1 Feb 2024	Completed
North American, Central American and Caribbean (NACC) Region			
Mexico	Audit ⁷	14 to 27 Feb 2024; 6 to 14 Mar 2024	Completed
United States	Audit	10 to 24 Jul 2024	Completed
South American (SAM) Region			
Brazil	Off-site validation ⁴	Oct 2024	Completed
Guyana	Audit	29 May to 10 Jun 2024	Completed
Panama	Audit ⁷	18 to 30 Sep 2024; 15 to 23 Oct 2024	Completed

¹ Postponed at the request of the State and due to the ongoing civil unrest.

² The scope of the audit included only aerodromes and ground aids (AGA).

³ Postponed due to a lack of timely response from the State.

⁴ Integrated validation activity.

⁵ Postponed at the request of the State.

⁶ The scope of the audit included only aircraft accident and incident investigation (AIG).

⁷ Planned and conducted in two parts.

State/Organization	Type of Activity	Dates	Status
Western and Central African (WACAF) Region			
Benin	Audit ¹	17 to 29 Jul 2024; 28 Aug to 6 Sep 2024	Completed
Côte d'Ivoire	ICVM	23 to 28 Oct 2024	Completed
Guinea	Audit ¹	9 to 21 Oct 2024; 13-20 Jan 2025	Completed
Senegal	ICVM	17 to 24 Apr 2024	Completed

USOAP CMA Workshops — Status for 2024

Note.— Workshops are listed in chronological order.

Location	Region	Dates
Paris, France (regional)	EUR/NAT	25 to 28 Mar 2024
Bangkok, Thailand (regional)	APAC	30 Apr to 2 May 2024
Nairobi, Kenya (regional)	ESAF	11 to 13 Jun 2024
Dar es Salaam, United Republic of Tanzania (cost-recovery)	ESAF	17 to 19 Jun 2024
Cairo, Egypt (regional)	MID	8 to 10 Oct 2024

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¹ Planned and conducted in two parts.

ATTACHMENT B to EB 2025/2

USOAP CMA Activities — Planning Status for 2025

Note 1.— States and organizations are listed in alphabetical order and by region. Organizations come after States.

Note 2.— The dates for audits and ICVMs represent the on-site activity dates and may be subject to last-minute change.

Note 3.— Unless otherwise specified by footnotes, the scope of the audits includes all the audit areas.

Note 4.— The scope of validation activities is determined based on the level of progress made by the State in resolving the safety deficiencies identified during previous USOAP CMA activities.

State/Organization	Type of Activity	Dates
Asia and Pacific (APAC) Region		
Cambodia	ICVM	4 to 11 Jun 2025
Maldives	Audit	11 to 23 Jun 2025
New Zealand	Audit	9 to 22 Jul 2025
Papua New Guinea	ICVM	9 to 16 Apr 2025
Philippines	Audit	12 to 24 Mar 2025 Postponed ¹
Thailand	Audit	27 Aug to 8 Sep 2025
Eastern and Southern African (ESAF) Region		
Eritrea	Audit	16 to 28 Jul 2025
Lesotho	Audit	27 Aug to 8 Sep 2025 Postponed ¹
Mauritius	Audit	6 to 18 Aug 2025
European and North Atlantic (EUR/NAT) Region		
Algeria	Audit	11 to 23 Feb 2025
France	Audit	19 Nov to 2 Dec 2025
Greece	Audit ²	10 to 19 Dec 2025
Malta	Audit	29 Oct to 10 Nov 2025
Netherlands	Audit	14 to 27 May 2025
European Union Aviation Safety Agency	Audit	17 Feb to 19 Mar 2025
Middle East (MID) Region		
Bahrain	Audit	2 to 14 Dec 2025
Kuwait	Audit	4 to 16 Nov 2025
North American, Central American and Caribbean (NACC) Region		
Canada	ICVM	10 to 17 Dec 2025
Costa Rica	Audit	22 Oct to 3 Nov 2025
El Salvador	Audit	16 to 28 Jul 2025
South American (SAM) Region		
Argentina	ICVM	22 to 29 Jan 2025
Western and Central African (WACAF) Region		
Cameroon	Audit	2 to 14 Apr 2025 Postponed ¹
Congo	Audit	15 to 27 Oct 2025

¹ Postponed at the request of the State

² The scope of the audit includes only aircraft accident and incident investigation (AIG).

USOAP CMA Workshops – Planning Status for 2025

Note. — Workshops are listed in chronological order.

Location	Region	Dates
Lima, Peru (regional)	SAM	9 to 11 Apr 2025
Bangkok, Thailand (regional)	APAC	11 to 13 Nov 2025

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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	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