

International Civil Aviation Organization

Ninth Meeting of the Aerodromes Operations and Planning Sub-Group (AOP/SG/9)

Bangkok, Thailand, 30 June to 4 July 2025

Agenda Item 4: Provision of AOP in the Asia/Pacific Region

COLLABORATION AMONG ICAO AND OTHER SAFETY PARTNERS AND VARIOUS PLATFORMS FOR ASSISTANCE TO STATES IN AGA AREA

(Presented by the Secretariat)

SUMMARY

This paper summarizes the initiatives taken by ICAO to provide technical assistance to Asia Pacific States in AGA area through various platforms from 2015 to 2025.

1. INTRODUCTION

- ICAO's 'No Country Left Behind' (NCLB) initiative highlights ICAO's effort to 1.1 assist States in implementing ICAO Standards and Recommended Practices (SARPs). The main goal of this work is to help ensure that SARPs implementation is better harmonized globally so that <u>all</u> States have access to the significant socio-economic benefits of safe and reliable air transport. The NCLB initiative also promotes ICAO's efforts to resolve Significant Safety Concerns brought to light through ICAO safety oversight audits as well as other safety, security and emissions-related information https://www.icao.int/aboutobjectives. More on NCLB is available at icao/NCLB/Pages/default.aspx.
- 1.2 ICAO plays a leadership role in facilitating the implementation of SARPs and the rectification of civil aviation related deficiencies by coordinating assistance and harnessing resources among aviation partners.

2. DISCUSSION

ICAO APAC Combined Action Team (CAT)

- 2.1 To realize the ICAO NCLB initiative in Asia Pacific Region, in 2016 the ICAO APAC Office established Combined Action Team (CAT) comprising of subject matter experts drawn from ICAO Regional Office, COSCAPs and member States. The Objective of the APAC CAT is to visit APAC States with Effective Implementation (EI) below 75% (it was set 60% in 2016) in USOAP CMA to:
 - support in enhancing their capabilities to effectively use the ICAO USOAP Continuous Monitoring Approach (CMA) Online Framework (OLF);
 - extend assistance to address the non-satisfactory protocol questions; and
 - provide guidance on implementation of corrective action plan, which will progressively improve the EIs to reach above the global average and reach EI score of 75 per cent by 2025.

- 2.2 The APAC CAT assistance mission would be tailor-made for each State/Administration comprising of Experts chosen for different areas where concerned States have EI < 75% in respective audit areas.
- 2.3 APAC CAT as well as COSCAP technical assistance missions in AGA conducted from 2016 to 2024 are illustrated in **Attachment A1** and TA Missions activities conducted/planned for 2025 are shown below:

S. No	2025
A)	APAC CAT assistance missions in AGA area
1	Bangladesh (Dates TBC)
2	Mongolia (Dates TBC)
3	Indonesia (Dates TBC)
4	Sri Lanka (Dates TBC)
5	Samoa (18 – 22 Aug. 2025)
B)	COSCAP-SEA Technical Assistance Missions in AGA
1	Thailand (TA in preparation and understanding of the USOAP Audit procedures on 21 CE6 PQs in the area of Aerodrome protocol on 13 – 14 and 26 – 28 February 2025, 6 – 7 and 10 – 11 March 2025)
2	7 – 11 April 2025 – COSCAP-SEA & UK CAAi Aerodrome Certification and Surveillance Workshop [https://www.icao.int/APAC/Meetings/Pages/2025-COSCAP-SEA-AND-UK-CAAi-AGA-CERT-AND-SURV.aspx]
C)	COSCAP-SA Technical Assistance Missions in AGA
1	
2	

ICAO Programme for Aviation Volunteers (IPAV)

- 2.4 IPAV was created under the No Country Left Behind (NCLB) Initiative at ICAO HQ. Skilled and experienced volunteers are engaged through ICAO to provide a short term assistance to States in the performance of specified tasks related to their field of expertise, for a specific period of time. More information on IPAV is available at
- $\underline{https://www.icao.int/secretariat/TechnicalCooperation/Pages/icao-programme-for-aviation-volunteers-ipav.aspx.}$
- 2.5 IPAV assistance missions in AGA conducted from 2017 to 2019 are provided in **Attachment A2**.

Technical Assistance in Aerodrome Certification and SMS (RAS10801)

- A technical assistance project, funded by a grant from the International Financial Facility for Aviation Safety (IFFAS) with the objective to improve the regulatory oversight capability of participating Pacific Island States and establish the legal basis for aerodrome certification and State Safety Programmes (SSP). The participating States are **Kiribati, Marshall Islands, Micronesia** (Federated States of), Nauru, Papua New Guinea, Samoa, Solomon Islands and Tonga. The project is to ensure that aerodrome certification and Safety Management System (SMS) implementation requirements are conducted in compliance with ICAO Annex 14, Volume I Aerodrome Design and Operations and other relevant guidance materials. This project, which began in September 2011, has been extended through **December 2025**.
- 2.7 From 2011 to 2014, an Aerodrome Certification and Safety Management Expert recruited by ICAO TCB conducted initial missions to all participating States. The follow—up technical assistance missions conducted by ICAO APAC AGA Officers from 2015 to 2017 in aerodrome certification and SMS activities are provided in **Attachment A3**.

Capacity Building Programme for APAC States

ICAO Training Courses, Workshops, Seminars and Webinars

2.8 The training courses/workshops/seminars/webinars that had been conducted under ICAO and COSCAP Programmes from 2018 to 2024 are provided in **Attachment B** and planned for **2025** is provided below:

S. No	2025	Remarks
1	Workshop on Transposition of Annex 14 SARPs into National Aerodrome Standards, Langkawi, Malaysia, 17 February 2025	Completed
2	Asia/Pacific Wildlife Hazard Management Workshop, 5 – 6 May 2025	Planned
3	Workshop on Implementation of New SARPs on Obstacle Limitation Surface (OLS) of Annex 14, Volume I, September 2025 [TBC]	Planned

ICAO – ACI Capacity Building Programme for Asia and Pacific States

2.9 ICAO APAC Office and ACI agreed to work together to assist ICAO member States and ACI members in capacity building programme for Asia and Pacific States. ICAO – ACI Training Courses in the area of aerodrome certification and SMS organized through ACI Developing Nations Airport Assistance Programme (ACI-DNA) and ICAO-ACI Training Courses organized in the ICAO APAC Office Bangkok since 2017 to 2024 are provided in **Attachment C**. ICAO-ACI Webinar planned for 2025 is shown in the Table below:

S. No	2025	
1	ACI and Airsight Webinar on upcoming Obstacle Free Surfaces (OFS)/ Obstacle Evaluation Surfaces (OES)	
	requirements	

Aerodrome Assistance Go-Team Mission under ICAO Voluntary Funds SAFE (US) - Asia Pacific

AOP/SG/3 Meeting urged States and International Organizations to collaborate with ICAO in capacity building programmes and provide assistance in the area of certification of aerodromes to States with low USOAP EI. The Aerodrome Assistance Go-Team missions to Lao PDR and Brunei were arranged for coaching and providing advice by aerodrome experts under ICAO Voluntary SAFE Funds contributed by United States in 2023. The details are provided in **Attachment A1**.

ICAO USOAP CMA EI in Asia Pacific States

2.11 Asia/Pacific States average USOAP CMA EI in AGA area from 2017 to March 2025 are depicted in the Table below.

Table: USOAP CMA EI in AGA [Average Asia/Pacific]

	APAC average EI in	Critical Elements (CEs) – AGA Area							
	AGA (in %)	CE-1	CE-2	CE-3	CE-4	CE-5	CE-6	CE-7	CE-8
<u>June 2025</u> (AOP/SG/9)	62.16 [Global Average 64.20] 168 (2017 PQs)→143 (2020 PQs)	62.5 (1→2)	68.23 (28→21)	62.86 (7→ 7)	45.78 (7→ 7)	65.73 (20→14)	64.34 (64→ 51)	60.62 $(31 \rightarrow 32)$	48.39 (10→9)
June 2024 (AOP/SG/8)	60.73 [Global Average 63.06] 168 (2017 PQs)→143 (2020 PQs)	63.89	67.22	61.32	42.33	63.98	63.21	58.97	46.59
June 2023 (AOP/SG/7)	61.20 [Global Average 62.43] 168 (2017 PQs)→143 (2020 PQs)	65.28	67.45	61.61	41.61	64.29	63.58	60.18	46.60
June 2022 (AOP/SG/6)	60.97 [Global Average 63.37]	72.22	71.53	61.61	40.88	67.46	64.28	57.14	45.69
(110170070)	168 (2017 PQs) → 143 (2020 PQs)	<u>(1→2)</u>	(28 → 21)	<u>(7→ 7)</u>	<u>(7→ 7)</u>	(20 → 14)	(64→ 51)	$(31 \rightarrow 32)$	(10 → 9)
June 2021 (AOP/SG/5)	61.43 [Global Average 62.72]	75.00	71.33	62.56	41.40	68.04	64.51	58.16	46.96
Oct. 2020 (AOP/SG/4)	61.41 [Global Average 62.65]	75.00	68.64	64.44	42.73	58.61	63.26	58.11	38.42
June 2019 (AOP/SG/3)	60.52 [Global Average 61.59]	75.68	66.80	62.13	42.30	58.14	63.87	58.87	39.77
June 2018 (AOP/SG/2)	57.87 [Global Average 59.5]	68.57	65.78	55.71	38.18	49.60	60.45	53.01	51.13 [Error]
May 2017 (AOP/SG/1)	56.29 [Global Average 57.99]	68.57	63.3	53.65	33.17	51.9	59.78	55.2	39.44

2.12 **Attachment D** provides USOAP CMA EI Scores in AGA area for States that had received TA in AGA through various platforms. It is noted that there is some improvement in EI score (APAC average AGA EI and its corresponding CEs) for March 2025 compared to EI data for June 2021 thanks to good performance in USOAP Audit/ICVM in 2024 (Audit, ICVM and Offsite Validation).

3. ACTION BY THE MEETING

3.1 The Meeting is invited to note various initiatives taken by ICAO, COSCAPs, ACI and other ICAO Safety Partners in assisting Asia Pacific States to improve USOAP CMA EI, to overcome challenges associated with the certification of aerodromes in few States in Asia and Pacific Regions.

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AGA Technical Assistance through ICAO, CAT and COSCAPs Mission to States

S	States	2016	2017	2018	2019	2020	2021	2022	2023	
Α	Afghanistan			First CAT Mission to Afghanistan						
Е	Bangladesh	First CAT Mission	Follow-up CAT mission				-		Follow-up CAT mission	Follow-up CAT mission
Е	Brunei				CAT Mission funded by COSCAP-SEA					
C	Cambodia	First CAT Mission				-				
C	China								First CAT Mission [Cost recovery]	
F	iji	-	First CAT Mission	Follow-up CAT mission				Virtual CAT Mission		
Iı	ndonesia	First CAT Mission	Follow-up CAT Mission			-				
K	Ciribati							Virtual CAT Mission		
I	ao PDR				CAT Mission funded by COSCAP-SEA				Follow-up CAT Mission on 27 - 31 March 2023 funded by EASA	
N	Maldives					First CAT Mission				Follow-up CAT mission
	Marshall Islands				First CAT Mission					
N	Myanmar	First CAT Mission	Follow-up CAT mission	Follow-up CAT mission		-				
N	Vepal				First CAT Mission					
	Pakistan				First CAT Mission				Follow-up CAT Mission (6 - 10 Nov. 2023) funded by EASA	
P	Papua New Guinea	First CAT Mission	-	-	-	-				
P	Philippines	First CAT Mission funded by COSCAP-SEA	-		Follow-up CAT mission	-				Follow-up CAT mission
S	Samoa			First CAT Mission						
s	Solomon Islands	First CAT Mission	_	-	_	_				
	Thailand	First CAT Mission	-	Follow-up CAT mission	-	Follow-up CAT mission				Follow-up CAT mission
Ί	onga	First CAT Mission	-	-	-	-				
-	/anuatu			First CAT Mission					Follow-up CAT Mission (15 - 19 January 2024)	Follow-up CAT mission

22	Viet Nam	1			First CAT Mission	I	I	I	Follow-up CAT Mission	
22	v ict ivalii				That CAT Mission				(17 - 21 July 2023)	
									funded by EASA	
B)	APAC RO and CO	I DSCAPs Technical A	ssistance Missions in	AGA	!		l .	!	L	
S. No.	States	2016	2017	2018	2019	2020	2021	2022	2023	202
1	Bangladesh							Onsite TA to Bangladesh (May 2022)		1) AESA Initial AGA Course (with OJT), 14 – 25 April 2024, Bangladesh
								by COSCAP-SA AGA		
								Expert		2) AGA PQ review, May 12 – 24, 2024 Bangladesh
2	Brunei Darusallam		-						ICAO APAC TA	29 July – 2 August 2024 – COSCAP-
									Mission by RO/AGA and AGA Expert from	SEA, CTA to meet with the DG, NC and NCMC and other senior staffs of
									Malaysia on 14 - 18	DCA Brunei Darussalam to follow-up
									Aug. 2023 under SAFE	on the recommendations of previous
									Fund	ICAO COSCAP-SEA, USOAP CMA
										and ICAO APAC RO Technical Assistance Mission.
										Assistance Mission.
3	Bhutan	<u> </u>						Onsite TA to Bhutan		
								(May 2022) by		
								COSCAP-SA AGA		
								Expert		
4	Cambodia						Online COSCAP-SEA			
							TA on capacity			
							building - SO, SM &			
							development and			
							enhancement of CAP – June 2021			
							June 2021			
	India									
5	Indonesia					(ICAO/COSCAP-SEA				
	III dollosia					RS Go-Team)				
6	Lao PDR							COSCAP-SEA/ICAO	ICAO APAC TA	24 – 28 June 2024 – COSCAP-SEA,
								APAC Aerodrome		CTA to meet with the DG, NC and
								Certification Onsite	Experts) and AGA	NCMC and other senior staffs of DCA
								Assistance (Funded by EASA) from 10 to 21	Experts from CAA Thailand on 2 - 6 Oct.	Lao PDR, and provided on-site technical assistance mission support in
								Oct. 2022	2023 under SAFE Fund	the area of Aerodrome Certification
								2022	2025 under SATE Fullu	and and of Aerodrome Certification
7	Maldives	1					Onsite TA by			AGA Pre-audit/PQ review, September
							COSCAP-SA AGA Expert – October 2021			14 – 4 Oct. 2024, Maldives
8	Mongolia	Mongolia	-	-	Mongolia					
		(RO/AGA &			(RO/AGA &					
		COSCAP-NA)			COSCAP-SEA)					

9	Nepal	-	-	-	-			Onsite TA to Nepal (January 2022) by COSCAP-SA AGA		AGA PQ review, April 28 – May 12, 2024, Nepal
10	Pakistan						Onsite TA to Pakistan by COSCAP-SA AGA Expert – October 2021	Expert	June 2023	1) AGA PQ Review, Oct5 – 24, 2024 2) Aerodrome workshop, October 21, 2024 3) Aeronautical Studies, Safety and Risk Assessment Workshop, Oct. 22, 2024
111	Philippines					(ICAO/COSCAP-SEA RS Go-Team				11 – 15 November 2024 – COSCAP- SEA, CTA Mission to CAA Philippines provide technical assistance support in AGA area through and in-depth review of PQs to reinforcing the operational readiness and compliance posture of CAAP team ahead of USOAP Audit.
	Sri Lanka									AGA PQ review, March 11-22, 2024, Sri Lanka
12	Thailand						Online COSCAP-SEA TA on capacity building - SO, SM & development and enhancement of CAP – June 2021			10 – 11 July 2024 – COSCAP-SEA, CTA provided technical assistance mission in enhancing CAA Thailand's AGA EI Scores.
13	Timor-Leste				Timor-Leste (COSCAP-SEA – 2 wks.)				COSCAP-SEA/ICAO APAC Aerodrome Certification Onsite Assistance (Funded by EASA): 1) Spain - Dec. 2022; 2) Dili - 23 - 27 Jan.	
14	Viet Nam			RO/AGA Mission to Viet Nam (Cost recovery)						15 – 19 April 2024 – COSCAP-SEA CTA provided on-site technical assistance mission support to CAA Viet Nam personnel on PQs review in preparation for the USOAP CMA Audit in May in the area of AGA
C)	Denlovment of iPack	on Aerodrome Resta	nrt							
	States Fiji	2016	2017	2018	2019	2020	2021 June – August 2021	2022	2023	
	Timor-Leste						Oct. – Dec. 2021			
	I III DESIG						Sec. 1900. 2021			l

Attachment A2

AGA Technical Assistance to States through IPAV Missions from 2017 to 2019

S. No	2017	2018	2019
1	Cambodia (3 wks.)	Solomon Islands (2 wks.)	Tonga (2 wks.)
2	Fiji (2 wks.)	-	-
3	Timor-Leste (2 wks.)	-	-

Attachment A3

Technical Assistance in Aerodrome Certification and SMS (RAS10801)

S. No	2015	2016	2017
1	Samoa	-	Solomon Islands
2	Solomon Islands	-	Tonga
3	Tonga	-	-

Notes:-

1) From 2011 to 2014, an Aerodrome Certification and Safety Management Expert recruited by ICAO TCB conducted initial missions to all participating States.

Attachment - B

ICAO/COSCAPs training courses/workshops/seminars/webinars from 2018 to 2023

S. No	2018	2019	2020	2021	2022	2023	2024
1	Management Course incorporating PANS- Aerodromes, ICAO APAC	ICAO Universal Safety Oversight Audit Programme (USOAP) Continuous Monitoring Approach (CMA) Workshop, ICAO APAC Office, 20 – 22 March 2019 [COSCAP-SEA]	Certification Inspector	GRF Webinar - Practical Solutions to Challenges in Implementing GRF in Asia/Pacific Region , conducted by ICAO in coordination with FTF, IFALPA, ACI, IFATCA and IFAIMA, 30 Aug. 2021	GRF Webinar in coordination with China and ACI - 10 Months into GRF, Challenges Met and Lessons Learnt in Asia-Pacific, 22 Sep. 2022		ICAO Aerodrome Pavement Workshop, Bangkok, Thailand, 7 to 9 February 2024
2	course, ICAO APAC Office,	Course, ICAO APAC Office, 22 –	GRF for Runway Surface Conditions Reporting Webinar, 30 April 2020 [COSCAP-SEA]	GRF Webinar - Sharing Japan's Experience on Preparation for Implementing GRF focusing on winter operations, conducted by ICAO in coordination with Japan on 24 Sep. 2021		Wildlife Hazard Management Programme , Bangkok, Thailand, 2 May 2023	15 May 2024 – COSCAP- SEA Webinar on Strength of Pavements, Transition from PCN to PCR
3	Certification Course, ICAO APAC Office, 19 to 23 November 2018 [ICAO GAT]	Aerodrome SMS Seminar, Incheon, Republic of Korea, 27 –	GRF for Runway Surface Conditions Reporting Webinar for Small Pacific Island States [ICAO APAC], 21 May 2020	ICAO-AAWHG WHM Webinars:	Workshop: Addressing States' challenges for effective aerodrome certification and surveillance		
				1) WHM Programme on 18 may 2021; 2) Reporting and Recording Data on Wildlife Strikes on 20 July 2021; 3) Wildlife Safety Risk Assessment on 14 Sep.			
4	Aerodromes Workshop for	Implementation of the New Global Reporting Format for Runway Surface Conditions (GRF), 27 – 28 June 2019 [ICAO	GRF On Line Training from ACI and IATA for Aerodrome and OPS Inspectors (Member States of all three COSCAPs), April – June 2020	2021 COSCAP-SEA / FAA Webinar on final preparations for the implementation of the Global Reporting Format (GRF), 21 Oct. 2021			
5		Systems for Practitioners (SMxP)	Analysis Workshop, 29 Jun				

6	-	Nov. – 4 Dec. 2019	AGA Webinars – Roadmap for Airport Operations Restart, 15 July 2020 [COSCAP-SA]		
7		14: Advanced Aerodrome Design	ICAO-CANSO A-CDM Implementation Webinar, 22 July 2020		
8			AGA Webinar – The new Global Reporting Format for Runway Surface Conditions, 29 July 2020 [COSCAP-SA]		
9			AGA Webinar – Aerodrome Certification – A Review, 29 Jul. 2020 [COSCAP-SA]		
10			AGA Webinar – Safety Risk Assessments – Aerodromes, 5 Aug. 2020 [COSCAP-SA]		
11			AGA Webinar – Task Resource Analysis – ARFF, 12 Aug. 2020 [COSCAP-SA]		
12			ICAO-AAWHG Wildlife Hazard Management Webinar, 23 Sep. 2020		

ICAO – ACI Capacity Building Programme for Asia and Pacific Island States

A	ICAO – ACI Capacity Building Programme for Pacific Island States
2017	ACI – ICAO Aerodrome Certification Seminar in Sydney, Australia hosted by Sydney Airport from 26 to 30 June 2017
2018	ACI – ICAO Aerodrome Certification Compliance and Auditing Course in Nadi, Fiji from 22 to 26 January 2018

В	ICAO – ACI Training Courses for Pacific Island States at ICAO APAC Office, Bangkok
2018	ICAO-ACI Aerodrome Certification Course, Bangkok, Thailand, 19 - 23 November 2018
2019	ACI – ICAO Implementing Annex 14 Advanced Aerodrome Designed Operations, Bangkok, Thailand, 9 - 13 December 2019
2020	No course due to COVID19
2021	No course due to COVID19
2022	No course due to COVID19
2023	ACI-ICAO Aerodrome Certification Course, Bangkok, Thailand, 11 - 15 Dec. 2023
2024	No course conducted in 2024
2025	

Attachment - D

USOAP CMA EI in AGA area in 2016 (as baseline data) and after USOAP CMA Activities (ICVM/Audit/IVA/Off-site Validation)

		EI as of March	EI as of 2018	EI as of 2019	EI as of 2020	EI as of 2021	EI as of 2022	EI as of 2023	EI as of 2024	EI as of 2025	
S. No	States	2016 [Baseline Data]	[Post ICVM/ Audit]	[Post ICVM/ Audit]	[Post ICVM/ Audit/]	[Post ICVM/ Audit/]	[Post ICVM/ Audit/]	[Post ICVM/ Audit/]	[Post ICVM/ Audit/]	[Post ICVM/ Audit/]	Remarks
1	Australia	92.36 Off-site activity	-	-	-	-	-	87.29 (-) Audit	-	-	Australia never received APAC CAT assistance until 2024.
2	Afghanistan	NA	-	NA [Desktop Audit]	-	-	-	-	-	-	
3	Bangladesh	54.68	65.44 [ICVM]	-	-	-	-	-	-	-	
4	Cambodia	39.04	59.03 [Audit]	-	-	-	-	57.02 (-) Adjusted EI AGA not included in ICVM	-	-	
5	China	88.19							94.57 [Audit]		
6	Fiji	47.79		78.03 [ICVM]	-	-	-	-	-	-	
7	Indonesia	44.9	72.73 [ICVM]	-	-	-	-	-	-	-	
8	Lao PDR	75	-	-	-	-	1	-	-	-	
9	Marshall Islands	13.28	-	-	-	-	-	-	-	-	
10	Myanmar	56.64	-	-	61.48 [IVA]	-	-	-	-	-	
11	Nepal	67.59	-	-	-	-	67.74 [Audit]	-	-	-	
12	Pakistan	87 [CSA audit 2011]	-	-	-	72.19 (-) [Audit, 2021]	-	-	80.16 [ICVM]	-	
13	Papua New Guinea	61.59	68.15 [ICVM]	-	-	-	-	57.60 (-) Audit			
14	Philippines	38.13	48.89 [ICVM]	-	-	-	-	-	-	-	
15	Samoa	59.09	-	-	-	-	-	-	-	-	
16	Thailand	32.69	-	53.74 [ICVM]	-	-	-	-	-	-	
17	Tonga	19.08	-	32.82 [ICVM]	-	-	-	-	-	-	
18	Vanuatu	28.03	-	-	-	-	-	-	-	-	
19	Viet Nam	42.66 [ICVM}	-	-	-	-	-	-	83.85 [Audit]	-	