International Civil Aviation Organization

Eighth Meeting of the Aerodromes Operations and Planning Sub-Group (AOP/SG/8)

Bangkok, Thailand, 15 to 19 July 2024

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

ICAO INITIATIVES 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 2024.

1.   INTRODUCTION

1.1   ICAO's 'No Country Left Behind' (NCLB) initiative highlights ICAO's effort to 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 objectives.   More   information   on   NCLB   is   available   at   https://www.icao.int/about-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 has 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 2024.

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 2023 are illustrated in **Attachment A1** and TA Missions activities conducted/planned for 2024 are shown below:

S. No	2024
A)	**APAC CAT assistance missions in AGA area**
1	Vanuatu (Completed onsite CAT Mission on 15 – 19 January 2024)
2	Bangladesh (Completed onsite CAT Mission on 4 – 8 February 2024)
3	Thailand (26 – 30 Aug. 2024)
4	Philippines (Tentatively from 21 to 25 October 2024)
5	Maldives (Dates TBC)
B)	**COSCAP-SEA Technical Assistance Missions in AGA**
1	Viet Nam (Completed on 8 – 12 January 2024)
2	Philippines (Completed on 26 February – 1 March 2024)
3	Lao PDR (Completed on 24 – 28 June 2024)
4	Thailand (Completed on 10 - 11 July 2024) and planned for 26 – 30 August 2024 to join with APAC CAT Mission.
5	Brunei Darussalam: Planned on 29 July – 2 August 2024
C)	**COSCAP-SA Technical Assistance Missions in AGA**
1	AESA Initial AGA Course (with OJT), 14 – 25 April 2024, Bangladesh (Completed)
2	AGA PQ review, March 11-22, 2024, Sri Lanka (Completed)
3	AGA PQ review, April 28 – May 12, 2024, Nepal (Completed)
4	AGA PQ review, May 12 – 24, 2024, Bangladesh (Completed)
5	AGA Pre-audit/PQ review, September 1 – 20, 2024, Maldives
6	AGA PQ Review, Sept 22 – October 12, 2024, India
7	AGA PQ Review, October 13 – Nov 2, 2024, Bhutan
8	AGA PQ Review, Nov 3 – 23, 2024

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 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)

2.6   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 2024**.

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 2023 are provided in **Attachment B** and planned for **2024** is provided below:

S. No	2024	Remarks
1	ICAO Aerodrome Pavement Workshop, Bangkok, Thailand, 7 to 9 February 2024	Completed

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 2023 are provided in **Attachment C**. ICAO-ACI Training Course planned for 2024 in ICAO APAC Office, Bangkok is shown in the Table below:

S. No	2024
1	ACI-ICAO Global Reporting Format (GRF) for Runway Surface Conditions for Airport Operators Course, Bangkok, Thailand, 25 – 27 September 2024

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

2.10   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   Despite the continuous efforts in improving USOAP CMA EI by the States and technical assistance provided to Asia Pacific States through various ICAO led initiatives there is no satisfactory improvement in AGA EI after 2021.

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

	APAC average EI in AGA (in %)	Critical Elements (CEs) – AGA Area							
		CE-1	CE-2	CE-3	CE-4	CE-5	CE-6	CE-7	CE-8
June 2024 (AOP/SG/8)	*60.73* *[Global Average 63.06]* *168 (2017 PQs)→143 (2020 PQs)*	63.89 (1→2)	67.22 (28→21)	61.32 (7→7)	42.33 (7→7)	63.98 (20→14)	63.21 (64→51)	58.97 (31→32)	46.59 (10→9)
June 2023 (AOP/SG/7)	*61.20* *[Global Average 62.43]*	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
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 still a lower EI score (APAC average AGA EI and its corresponding CEs) for June 2024 compared to EI data for June 2021 despite of improvement in EI by some States that had received CMA activities (Audit, ICVM and Offsite Validation) since 2021. This could be primarily due to adjustment of the EI because of the reduction of AGA PQs from 168 (2017 AGA PQs) to 143 (2020 AGA PQs) numbers (please refer to AOP/SG/8-**IP/05** for USOAP CMA Protocol Questions – 2020 Edition).

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 some States in Asia and Pacific Regions.

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

A)	APAC CAT assistance missions in AGA area								
	States	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**
1	Afghanistan			First CAT Mission to Afghanistan					
2	Bangladesh	First CAT Mission	Follow-up CAT mission			-			Follow-up CAT mission
3	Brunei				CAT Mission funded by COSCAP-SEA				
4	Cambodia	First CAT Mission			-				
5	China								First CAT Mission [Cost recovery]
6	Fiji	-	First CAT Mission	Follow-up CAT mission			-	Virtual CAT Mission	
7	Indonesia	First CAT Mission	Follow-up CAT Mission			-			
8	Kiribati							Virtual CAT Mission	
9	Lao PDR				CAT Mission funded by COSCAP-SEA				Follow-up CAT Mission on 27 - 31 March 2023 funded by EASA
10	Maldives					First CAT Mission			
11	Marshall Islands				First CAT Mission				
12	Myanmar	First CAT Mission	Follow-up CAT mission	Follow-up CAT mission		-			
13	Nepal				First CAT Mission				
14	Pakistan				First CAT Mission				Follow-up CAT Mission (6 - 10 Nov. 2023) funded by EASA
15	Papua New Guinea	First CAT Mission	-	-	-	-			

S. No.	States	2016	2017	2018	2019	2020	2021	2022	2023
16	Philippines	First CAT Mission funded by COSCAP-SEA	-		Follow-up CAT mission	-			
17	Samoa			First CAT Mission					
18	Solomon Islands	First CAT Mission	-	-	-	-			
19	Thailand	First CAT Mission	-	Follow-up CAT mission	-	Follow-up CAT mission			
20	Tonga	First CAT Mission	-	-	-	-			
21	Vanuatu			First CAT Mission					Follow-up CAT Mission (15 - 19 January 2024)
22	Viet Nam				First CAT Mission				Follow-up CAT Mission (17 - 21 July 2023) funded by EASA

B)	**APAC RO and COSCAPs Technical Assistance Missions in AGA**								
S. No.	**States**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**
1	Bangladesh							Onsite TA to Bangladesh (May 2022) by COSCAP-SA AGA Expert	
2	Brunei Darusallam		-						ICAO APAC TA Mission by RO/AGA and AGA Expert from Malaysia on 14 - 18 Aug. 2023 under
3	Bhutan							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		
5	Indonesia					Indonesia (ICAO/COSCAP-SEA RS Go-Team)			
6	Lao PDR							COSCAP-SEA/ICAO APAC Aerodrome Certification Onsite Assistance (Funded by EASA) from 10 to 21 Oct. 2022	ICAO APAC TA Mission by RO/AGA (2 Experts) and AGA Experts from CAA Thailand on 2 - 6 Oct. 2023 under SAFE Fund
7	Maldives						Onsite TA by COSCAP-SA AGA Expert – October 2021		
8	Mongolia	Mongolia (RO/AGA & COSCAP-NA)	-	-	Mongolia (RO/AGA & COSCAP-SEA)				
9	Nepal	-	-	-	-			Onsite TA to Nepal (January 2022) by COSCAP-SA AGA Expert	
10	Pakistan						Onsite TA to Pakistan by COSCAP-SA AGA Expert – October 2021		AESA Initial AGA Course (with OJT), 5-16 June 2023
11	Philippines					Philippines (ICAO/COSCAP-SEA RS Go-Team			

#	States	2016	2017	2018	2019	2020	2021	2022	2023
12	Thailand					TA during onsite audit of Krabi, U-tapao and Hua Hin Airports	Online COSCAP-SEA TA on capacity building - SO, SM & development and enhancement of CAP – June 2021		
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. 2023
14	Viet Nam			RO/AGA Mission to Viet Nam (Cost recovery)					

C)	Deployment of iPack on Aerodrome Restart								
	States	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**	**2023**
1	Fiji						June – August 2021		
2	Timor-Leste						Oct. – Dec. 2021		

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.)	-	-

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.

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

S. No	2018	2019	2020	2021	2022	2023
1	Aerodrome Safety Management Course incorporating PANS-Aerodromes, ICAO APAC Office, 19 to 23 March 2018 [ICAO GAT]	ICAO Universal Safety Oversight Audit Programme (USOAP) Continuous Monitoring Approach (CMA) Workshop, ICAO APAC Office, 20 – 22 March 2019 [COSCAP-SEA]	EASA Aerodrome Certification Inspector Course, 20 – 24 Jan. 2020 [COSCAP-SEA]	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 – ACI Aerodromes Seminar on Airport Master Planning, Bangkok, Thailand, 29 to 30 June 2023
2	Aerodrome Certification course, ICAO APAC Office, 17 to 21 September 2018 [COSCAP-SEA]	Resolution of Safety Issues Course, ICAO APAC Office, 22 – 26 April 2019 [COSCAP-SEA]	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		Workshop on National Wildlife Hazard Management Programme , Bangkok, Thailand, 2 May 2023
3	ICAO/ACI Aerodrome Certification Course, ICAO APAC Office, 19 to 23 November 2018 [ICAO GAT]	ICAO Asia/Pacific Regional Aerodrome SMS Seminar, Incheon, Republic of Korea, 27 – 28 May 2019 hosted by MOLIT and Incheon International Airport Company	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. 2021		

4	ICAO Aerodrome Certification incorporating PANS-Aerodromes Workshop for Pacific Island States, Fiji, 3 to 7 December 2018 [ICAO APAC].	Regional Seminar on Implementation of the New Global Reporting Format for Runway Surface Conditions (GRF), 27 – 28 June 2019 [ICAO and COSCAP-SEA]	GRF On Line Training from ACI and IATA for Aerodrome and OPS Inspectors (Member States of all three COSCAPs), April – June 2020	COSCAP-SEA / FAA Webinar on final preparations for the implementation of the Global Reporting Format (GRF), 21 Oct. 2021	
5		ICAO Safety Management Systems for Practitioners (SMxP) Course, 8 – 12 July 2019 [18 Participants from COSCAP-SEA]	ECCAIRS Accident and Incident Data Collection and Analysis Workshop, 29 Jun. – 3 Jul. 2020 [COSCAP-SEA]		
6	-	COSCAP-SEA Aerodrome Inspector Course, Lao PDR, 25 Nov. – 4 Dec. 2019	AGA Webinars – Roadmap for Airport Operations Restart, 15 July 2020 [COSCAP-SA]		
7		ACI-ICAO Implementing Annex 14: Advanced Aerodrome Design and Operations, ICAO APAC Office, Bangkok, 9 – 13 December 2019	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

B	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	
2025	

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

S. No	States	EI as of March 2016	EI as of 2018 [Post ICVM/ Audit]	EI as of 2019 [Post ICVM/ Audit]	EI as of 2020 [Post ICVM/ Audit/]	EI as of 2021 [Post ICVM/ Audit/]	EI as of 2022 [Post ICVM/ Audit/]	EI as of 2023 [Post ICVM/ Audit/]	EI as of 2024 [Post ICVM/ Audit/]
1	Australia	92.36 Off-site activity	-	-	-	-	-	87.29 (-) Audit	-
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	Fiji	47.79		78.03 [ICVM]	-	-	-	-	-
6	Indonesia	44.9	72.73 [ICVM]	-	-	-	-	-	-
7	Lao PDR	75	-	-	-	-	-	-	-
8	Marshall Islands	13.28	-	-	-	-	-	-	-
9	Myanmar	56.64	-	-	61.48 [IVA]	-	-	-	-
10	Nepal	67.59	-	-	-	-	67.74 [Audit]	-	-
11	Pakistan	87 [CSA audit 2011]	-	-	-	72.19 (-) [Audit, 2021]	-	-	-
12	Papua New Guinea	61.59	68.15 [ICVM]	-	-	-	-	57.60 (-) Audit	
13	Philippines	38.13	48.89 [ICVM]	-	-	-	-	-	-
14	Samoa	59.09	-	-	-	-	-	-	-
15	Thailand	32.69	-	53.74 [ICVM]	-	-	-	-	-
16	Tonga	19.08	-	32.82 [ICVM]	-	-	-	-	-
17	Vanuatu	28.03	-	-	-	-	-	-	-
18	Viet Nam	42.66 [ICVM}	-	-	-	-	-	-	-