



ICAO

*International Civil Aviation Organization*

Seventh Meeting of the Aerodromes Operations and  
Planning Sub-Group (AOP/SG/7)

*Bangkok, Thailand, 3 to 6 July 2023*

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

**ICAO INITIATIVES TO ASSIST 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 June 2023.

**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 SARP implementation is better harmonized globally so that all 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 60% in USOAP CMA to:

- support in enhancing their capabilities to effectively use the ICAO USOAP Continuous Monitoring Approach (CMA) On Line 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 by 2022.

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 < 60% in respective audit areas.

2.3 APAC CAT as well as ICAO APAC/COSCAP TA assistance missions in AGA conducted from 2016 to 2022 are illustrated in **Attachment A** and planned for 2023 are shown below:

S. No	2023
<b>A)</b>	<b>APAC CAT assistance missions in AGA area</b>
1	Lao PDR (Completed onsite CAT Mission in March 2023)
2	Viet Nam (Scheduled on 17 – 21 July 2023) under EASA funding.
3	Pakistan (Planned for 6 – 10 November 2023)
<b>B)</b>	<b>APAC RO and COSCAPs Technical Assistance Missions in AGA</b>
1	Timor-Leste: COSCAP-SEA/ICAO APAC Aerodrome Certification Onsite Assistance Under EASA funding (accomplished in January 2023).

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 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 the table below:

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)

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 2020.

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 table below illustrates the follow-up technical assistance missions conducted by ICAO APAC AGA Officers in 2015 and 2017 in aerodrome certification and SMS activities.

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

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 2022 are provided in **Attachment B** and planned for **2023** is provided below:

S. No	2023	Remarks
1	Workshop on National Wildlife Hazard Management Programme, 2 May 2023	Completed
2	ICAO- ACI Aerodrome Seminar on <i>Airport Master Planning</i> , 29 – 30 June 2023	Completed
4	ACI-ICAO Aerodrome Certification Course, 11 – 15 December 2023	Planned

*ICAO – ACI Capacity Building Programme for Pacific Island 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 Pacific Island States in the area of aerodrome certification and SMS through ACI Developing Nations Airport Assistance Programme (ACI-DNA). Through this programme the following seminar and course had been conducted in 2017 and 2018:

S. No	2017	2018
1	ACI – ICAO Aerodrome Certification Seminar in Sydney, Australia hosted by Sydney Airport from 26 to 30 June 2018	ACI – ICAO Aerodrome Certification Compliance and Auditing Course in Nadi, Fiji from 22 to 26 January 2018

*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 to States with low EI in certification of aerodromes. The Aerodrome Assistance Go-Team mission was proposed to render on-site assistance for States in need of advice and coaching by aerodrome experts under ICAO Voluntary Funds SAFE contributed by United States. The following Go-Team missions were planned in 2020; however, it was to postpone due to COVID-19 pandemic and now planned for 2023.

S. No	2023
1	ICAO Aerodrome Assistance Go-Team funded by US: <ul style="list-style-type: none"> <li>- Brunei Darussalam [Planned for 14 – 18 August 2023]</li> <li>- Lao PDR [Planned for 2 – 6 October 2023]</li> </ul>

Improvement of ICAO USOAP CMA EI in Asia Pacific States

2.11 With 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 a gradual improvement in AGA EI since 2017.

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
<b>June 2023</b> (AOP/SG/7)	<b>61.2</b> [Global Average 62.51] 168 (2017 PQs)→143 (2020 PQs)	65.28 (1→2)	67.45 (28→21)	61.61 (7→7)	41.61 (7→7)	64.29 (20→14)	63.58 (64→51)	60.18 (31→32)	46.59 (10→9)
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

*Note:– 2.9 It is noted that there is still a lower EI score (APAC average AGA EI and its corresponding CEs) for June 2023 compared to EI data for June 2021 despite of improvement in EI by some States that had received ICVM and Offsite Validation Activities. This is 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/7 - IP/04 for USOAP CMA Protocol Questions – 2020 Edition).*

2.12 USOAP CMA EI in AGA area in 2016 (as baseline data) and after USOAP CMA Activities (ICVM/Audit/IVA/Off-site Validation) is shown in the **Attachment C** for States that had received TA in AGA through various platforms.

**3. ACTION BY THE MEETING**

3.1 The Meeting is invited to note various initiatives taken by ICAO in assisting Asia Pacific States to improve USOAP CMA EI and overcome USOAP findings in AGA.

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S. No	2016	2017	2018	2019	2020	2021	2022
B)	APAC RO and COSCAPs Technical Assistance Missions in AGA						
1	Mongolia	-	Viet Nam	Mongolia (RO/AGA & COSCAP-SEA)	Philippines (ICAO/COSCAP-SEA RS Go-Team)	Cambodia and Thailand (Online COSCAP-SEA TA on capacity building - SO, SM & development and enhancement of CAP) – June 2021	Lao PDR - COSCAP-SEA/ICAO APAC Aerodrome Certification Onsite Assistance
2	-	-	-	Timor-Leste (COSCAP-SEA – 2 wks.)	Indonesia (ICAO/COSCAP-SEA RS Go-Team)	Onsite TA to Maldives and Pakistan by COSCAP-SA AGA Expert – October 2021	
3	-	-	-	-	Thailand (TA during onsite)		Completed onsite TA to Nepal

S. No	2016	2017	2018	2019	2020	2021	2022
					audit of Krabi, U-tapao and Hua Hin Airports)		(January 2022) and Bangladesh and Bhutan (May 2022) by COSCAP-SA AGA Expert
C)	Deployment of iPack on Aerodrome Restart						
1						Fiji (June – August 2021)	
2						Timor-Leste (Oct. – Dec. 2021)	

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**Attachment B**

**ICAO/COSCAPs training courses/workshops/seminars/webinars from 2018 to 2022**

S. No	2018	2019	2020	2021	2022
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 - <i>Practical Solutions to Challenges in Implementing GRF in Asia/Pacific Region</i> , conducted by ICAO in coordination with FTF, IFALPA, ACI, IFATCA and IFAIMA, 30 Aug. 2021	GRF Webinar in coordination with China and ACI - <i>10 Months into GRF, Challenges Met and Lessons Learnt in Asia-Pacific</i> , 22 Sep. 2022
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 - <i>Sharing Japan's Experience on Preparation for Implementing GRF focusing on winter operations</i> , conducted by ICAO in coordination with Japan on 24 Sep. 2021	
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: 1) <i>WHM Programme</i> on 18 May 2021; 2) <i>Reporting and Recording Data on Wildlife Strikes</i> on 20 July 2021; 3) <i>Wildlife Safety Risk Assessment</i> on 14 Sep. 2021	Workshop: Addressing States' challenges for effective aerodrome certification and surveillance

S. No	2018	2019	2020	2021	2022
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]		

S. No	2018	2019	2020	2021	2022
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		

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**Attachment C**

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]
1	Afghanistan	NA	-	NA [Desktop Audit]	-	-	-	-
2	Bangladesh	54.68	65.44 [ICVM]	-	-	-	-	-
3	Cambodia	39.04	59.03 [Audit]	-	-	-	-	-
4	Fiji	47.79	-	78.03 [ICVM]	-	-	-	-
5	Indonesia	44.90	72.73 [ICVM]	-	-	-	-	-
6	Lao PDR	75.00	-	-	-	-	-	-
7	Myanmar	56.64	-	-	61.48 [IVA]	-	-	-
8	Nepal	67.59	-	-	-	-	67.74 [Audit]	-
9	Pakistan	87.00 [As per CSA audit of 2011]	-	-	-	72.19 [Audit, 2021]	-	-
10	Papua New Guinea	61.59	68.15 [ICVM]	-	-	-	-	-

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/]
11	Philippines	38.13	48.89 [ICVM]	-	-	-	-	-
12	Samoa	59.09	-	-	-	-	-	-
13	Thailand	32.69	-	53.74 [ICVM]	-	-	-	-
14	Tonga	19.08	-	32.82 [ICVM]	-	-	-	-
15	Viet Nam	42.66	-	-	-	-	-	-

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