



ICAO

Sixth Meeting of the Aerodromes Operations and  
Planning Sub-Group (AOP/SG/6)

Video Teleconference, 27 to 30 June 2022

**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 until date.

**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 2021 and planned for 2022 are illustrated in the table below:

S. No	2016	2017	2018	2019	2020	2021	2022
<b>A) APAC CAT assistance missions in AGA area</b>							
1	Bangladesh	Bangladesh (Follow-up CAT mission)	Fiji (Follow-up CAT mission)	Brunei (Funded by COSCAP-SEA)	Maldives	-	Under consideration of virtual/ onsite CAT assistance mission to Kiribati (dates TBD) and Fiji (tentatively in Aug. 2022).
2	Cambodia	Indonesia (Follow-up CAT mission)	Myanmar (Follow-up CAT mission)	Lao PDR (Funded by COSCAP-SEA)	-		
3	Indonesia	Myanmar (Follow-up CAT mission)	Samoa	Nepal	-		
4	Myanmar	Fiji	Thailand (Follow-up CAT mission)	Pakistan	-		
5	Philippines	-	Afghanistan	-	-		
6	Papua New Guinea	-	-	-	-		
7	Solomon Islands	-	-	-	-		
8	Thailand	-	-	-	Thailand		
9	Tonga	-	-	-	-		
<b>B) APAC RO and COSCAPs Technical Assistance Missions in AGA</b>							
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 (Q3/Q4 2022 - dates tbd).

S. No	2016	2017	2018	2019	2020	2021	2022
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	Timor-Leste - COSCAP-SEA/ICAO APAC Aerodrome Certification Onsite Assistance (Q3/Q4 2022 - dates tbd).
3	-	-	-	-	Thailand (TA during onsite audit of Krabi, Utapao and Hua Hin Airports)		Completed onsite TA to Nepal (January 2022) and Bangladesh and Bhutan (May 2022) by COSCAP-SA AGA Expert
<b>C) Deployment of iPack on Aerodrome Restart</b>							
1						Fiji (June – August 2021)	
						Timor-Leste (Oct. – Dec. 2021)	

#### 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 following training courses/workshops/seminars/Webinars had been conducted under ICAO and COSCAP Programmes from 2018 to 2021 and planned for 2022 as below:

S. No	2018	2019	2020	2021	2022 (Completed and Planned)
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

S. No	2018	2019	2020	2021	2022 (Completed and Planned)
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	ICAO- ACI Seminar on <i>Airport Master Planning</i> , Dec. 2022
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 (Under COSCAP Programme) - Q1/Q2 2022 (dates TBD).
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	ACI-ICAO Aerodrome Certification Course, December 5-9, 2022
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]		

S. No	2018	2019	2020	2021	2022 (Completed and Planned)
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 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 until further notice.

S. No	Dates [TBD]
1	ICAO Aerodrome Assistance Go-Team funded by US: <ul style="list-style-type: none"> <li>- Brunei Darussalam</li> <li>- Lao PDR</li> <li>- Timor-Leste</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 2022</b> (AOP/SG/6)	<b>60.97</b> [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)	<b>61.43</b> [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	<del>51.13</del> [Error]

	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
May 2017 (AOP/SG/1)	<b>56.29</b> [Global Average 57.99]	68.57	63.3	53.65	33.17	51.9	59.78	55.2	39.44

*Note:– It is noted that there is a slight decrease of the EI scores (APAC average AGA EI and its corresponding CEs) for 2022 while comparing with EI data obtained for 2021. 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.*

2.12 USOAP CMA EI in AGA area in 2016 (as baseline data) and after ICVM/Audit is shown in the table below for States that had received TA in AGA through various platforms.

S. No		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]
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	Myanmar	56.64	-	-	61.48 [IVA]		
7	Pakistan	87.00 [As per CSA audit of 2011]				72.19 [Audit, 2021]	
8	Papua New Guinea	61.59	68.15 [ICVM]	-	-		
9	Philippines	38.13	48.89 [ICVM]	-	-		
10	Thailand	32.69	-	53.74 [ICVM]	-		
11	Tonga	19.08	-	32.82 [ICVM]	-		

### 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.