

International Civil Aviation Organization

ICAO

The Fifth Meeting of System Wide Information Management Task Force (SWIM TF/5)

Video Tele-conference, 9 – 11 August 2021

Agenda Item 10: Next Meetings and Any Other Business**UPDATE ON ICAO APAC REGIONAL WEBINARS**

(Presented by the Secretariat)

SUMMARY

This paper presents the information about the ICAO APAC series of webinars in the year 2021, which includes ICAO APAC Cybersecurity Webinar, Webinar on Implementation of CRV in APAC region, SWIM workshop, and Webinar on Implementation of ADS-B.

1. INTRODUCTION

1.1 ICAO APAC office is organising a series of webinars in the year 2021. The webinars primary objective are to increase participants' awareness and understanding of the ICAO requirements needed to support regional planning and implementation activities, including implementation of Regional Aviation Safety Plan 20-22, the Asia/Pacific Seamless ANS Plan, and the Beijing Declaration.

1.2 The series of webinars includes ICAO APAC *Regional Cybersecurity webinar* on 14 June 2021, *SWIM workshop* on 6-7 July 2021, *Webinar on Implementation of CRV in APAC region* on 20 July 2021, and a *Webinar on Implementation of ADS-B* on 1 September 2021.

2. DISCUSSION

2.1. ICAO APAC office issued a state letter with **Ref:** RSO - AP 056/21 (RSO) dated 7 April 2021 on the subject **ICAO APAC Webinars 2021** (*May 2021- November 2021*). The state letter mentioned a series of 18 webinars being organised by ICAO APAC office on various topics which includes but not limited to CNS, ATM, MET, Environment, Aviation Safety, Airport Operations, etc. The state letter is provided as **Attachment A** to this paper and the detailed webinar provisional programme is provided in **Attachment B**.

2.2 The ICAO APAC *Regional Cybersecurity webinar* was successfully conducted on 14th June 2021. The objectives of the ICAO APAC *Regional Cybersecurity webinar* were to share the information and experience gained on cybersecurity issues of CNS/ATM systems focusing on awareness of cyber threats and safety risks, policy, procedure and innovation/technology from perspectives of regulators, Air Navigation Service Providers (ANSPs), and the users of CNS/ATM systems. The webinar discussed the cyber threats during phases of CNS/ATM system design, implementation and operation and ICAO trust framework at global, regional and national level. Total

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317 participant attended the webinar and total 10 presentations from various experts from the globe on various topics of Cybersecurity framework were discussed during the webinar. The Cyber Security Webinar report, presentations, and other resources can be accessed by following link:

<https://www.icao.int/APAC/Meetings/Pages/2021-Cyber-Security-Webinar.aspx>.

2.3. The ICAO APAC *SWIM Workshop* was successfully conducted on 6 July and 7 July 2021. The SWIM workshop focused on how SWIM can better support the current operations and enable the operations following the future operational concepts such as FF-ICE and cross-border surveillance data sharing, emphasizing on the bottom-up viewpoint for SWIM implementation in APAC region. At this workshop, a broad scope of presentations and discussions held which included not only technical but also operational perspective. Total 231 participant attended the workshop and total thirteen (13) presentations were discussed during the workshop. The SWIM Workshop report, presentations, and other resources can be accessed by following link:

<https://www.icao.int/APAC/Meetings/Pages/2021-SWIM-Workshop.aspx>

2.4. The ICAO APAC Webinar on *Implementation of CRV in APAC region* was successfully conducted on 20 July 2021. The objectives of the Webinar were to share a brief introduction, concepts, and regional activities of Asia Pacific Common Regional Virtual Private Network (CRV) along with the progress of implementation of CRV in APAC region. Concluding message was to urge non-implemented States to implement CRV and to request the support of CRV implemented States by sharing lessons learned and/or best practices. Total 121 participant attended the webinar and total four presentations were discussed during the webinar. The CRV Webinar report, presentations, and other resources can be accessed by following link:

<https://www.icao.int/APAC/Meetings/Pages/2021-CRV-Webinar.aspx>

2.5. The objectives of Webinar on *Implementation of ADS-B* are to share brief introduction, concepts, and benefits of ADS-B along with the progress of implementation of ADS-B in APAC region. Concluding message will be to urge non-implemented States to implement ADS-B, urge states for ADS-B mandate, and to request support of ADS-B implemented states by sharing ADS-B data with neighboring states, sharing lessons learned and/or best practices.

2.6. Detailed information about all Webinars and registration process may be found in the individual Webinar web-pages, listed at <https://www.icao.int/APAC/Meetings/Pages/Webinars-.aspx>.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in **Attachment A and Attachment B** to this paper;
- b) contribute individual practice and experience to the webinar of interest as a speaker;
- c) take maximum advantages of the webinars by registering more participants from states; and
- d) discuss any relevant matter as appropriate.



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Ref.: RSO - AP 056/21 (RSO)

7 April 2021

Subject: ICAO APAC Webinars 2021
(May – November 2021)

Action required: Please register no later than three days prior to each session.

Sir/Madam,

I am pleased to invite your Administration/Organization to participate in the ICAO APAC Webinars 2021. The webinars, mainly from Flight Safety and Air Navigation Services (ANS area), will be conducted by ICAO and other Subject Matter Experts (SMEs). Eighteen webinars are planned in 2021, and the details are in **Attachment A** to this letter.

The primary objective of the webinars is to increase participants' awareness and understanding of the ICAO requirements needed to support regional planning and implementation activities, including implementation of Regional Aviation Safety Plan 20-22, the Asia/Pacific Seamless ANS Plan, and the Beijing Declaration. The webinars will include a mix of expert presentations and interactive Q & A sessions to facilitate participants' understanding of the related subjects. The program outline is in **Attachment A** to this letter.

To this end, ICAO is inviting Member States and partner Organizations to consider nominating participants from a wide range of Safety and ANS fields particularly those who would not normally be able to attend ICAO's regular Safety and ANS-related meetings and events.

All participants are requested to register for the webinar(s) through the online registration page at <https://www.icao.int/APAC/Meetings/Pages/Webinars-.aspx> **no later than three days prior to each session**. All registered participants will receive an e-mail directly from the Secretariat with an invitation link and appropriate instructions two days before the event. Please refer to the online registration guidance in **Attachment B** to this letter. Should you have any inquires on the e-registration, please contact the ICAO Secretariat (APAC-RSO@icao.int and juang@icao.int).

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I shall be grateful if your Administration/Organization could take advantage of the webinars mentioned above.

Accept, Sir/Madam, the assurances of my highest consideration.

Yours sincerely,



Dr. Manjit Singh
Acting Regional Director

Enclosures:

Attachment A – Program Outline

Attachment B – Online Registration Guidelines



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ICAO APAC Webinars 2021

May – November 2021

PROGRAM OUTLINE

Program

- **6 May 2021: 0200 – 0400 UTC (0900 – 1100 Bangkok time)**
Safety Information Monitoring Systems (SIMS) Subscription and use by the APAC States

Facilitators: Mr. Susantha De Silva, Regional Officer, Safety Implementation

Speakers: Ms. Ruviana Zimmerman, ICAO HQ

Content: Introduction of SIMS to the APAC Region, enabling States to improve their SSP elements, through a well-developed, ICAO, Safety Data Collection and Processing Systems (SDCPS). For those States, who do not have a dedicated electronic tool in the collection and analysis of Safety Data, they are strongly encouraged to subscribe to this valuable tool in managing safety oversight functions primarily Ramp Inspection recording and analysis. Many more Applications are in the pipe line to be introduced to the system in the near future.

- **7 June 2021: 0200 – 0400 UTC (0900 – 1100 Bangkok time)**
ICAO Asia/Pacific Region Webinar on NOTAM Proliferation

Facilitator: Mr. Shane Sumner, Regional Officer, ATM and AIM

Speakers: Experts from Aeronautical Information Service Providers, IATA, ICAO and other International Organizations

Content: Following up on the Global Campaign on NOTAM Proliferation webinars, this webinar will provide an Asia/Pacific Regional focus on NOTAM proliferation resulting from:

- the significant number of ‘old’ NOTAMs that are valid around the Region;
- the misuse of NOTAMs to promulgate major changes to aeronautical information that is required to be published under the Aeronautical Information Regulation and Control (AIRAC) system;

- **10 June 2021: 0200 – 0400 UTC (0900 – 1100 Bangkok time)**
Sharing Regional experience and challenges in the establishment of Independent Accident Investigation Authority (AIA)

Facilitator: Mr. Susantha De Silva, Regional Officer, Safety Implementation

Speakers: Subject Matter Experts (SMEs) from APAC Regional States

Content: APAC Regional Aviation Safety Plan (AP-RASP) 20-22 requires APAC States to take actions in the separation of their Safety Oversight Organizations from Accident Investigation Organizations by end 2022. Learning from leading States, based on their sharing of experiences and how they have been able to resolve the challenges faced, could be considered as an encouraging initiative guiding them towards the goal.

- **14 June 2021: 0100 – 0700 UTC (0800-1400 BKK time)**
ICAO Asia/Pacific Regional Cybersecurity Webinar: “Management Framework for CNS/ATM Systems”

Facilitators: Mr. Luo Yi, Regional Officer, CNS
Ms. Soniya Nibhani, Regional Officer, Air Navigation Systems (CNS) implementation
Speakers: Subject Matter Experts (SMEs)

Content: The webinar will share the information and experience on cybersecurity issues focusing on awareness of cyber threats and safety risks, policy, procedure and innovation/technology from perspectives of International Organizations, regulators, operators, Air Navigation Service Providers (ANSPs), and other concerned parties at global, regional and national level. Detailed information about the webinar keynote, webinar programme, topics to be discussed, and presentations is available on <https://www.icao.int/APAC/Meetings/Pages/2021-Cyber-Security-Webinar.aspx> .

- **17 June 2021: 0300 – 0430 UTC (1000 – 1130 Bangkok time)**
Special air-reports needed by MET to support flight safety

Facilitator: Mr. Peter Dunda, Regional Officer, MET and ENV
Speaker: MET subject matter expert

Content: Special air-reports from aircraft in flight, of meteorological phenomena likely to affect efficiency as well as safety, are needed by meteorological watch offices as an important source of information to support flight safety through the issuance of timely and accurate SIGMET information. Recent advancements in the delivery of SIGMET service by APAC States highlight the importance to the aviation system of the ICAO standards and recommended practices for exchanging special air-reports between airlines, air traffic services units and meteorological offices.

- **23 - 25 June 2021 (3 days): 0300 – 0630 UTC (1000 – 1330 Bangkok time)**
ATM Safety Assessment Workshop

Facilitator: Ms. Lia Sunok LEE, Regional Officer, ATM
Speakers: Subject Matter Experts (SMEs) from States

Content: Following up the 1st workshop on ATM Safety Assessment in Change Management conducted in 2020, to enhance ATM safety assessment capability and safety risk management performance of APAC States by providing a practical guidance on safety risks management process within SSP/SMS.

- Day 1: ICAO requirements and concept review based on Annex 19 and Doc 9859
- Day 2: Group Exercise on Hazard Identification and Risk Assessment
- Day 3: Experience sharing on challenges & way forward, best practices

- **1 July 2021: 0300 – 0430 UTC (1000 – 1130 Bangkok time)**
Guidance for the States on the development of their NASP

Facilitator: Mr. Susantha De Silva- Regional Officer, Safety Implementation
Speakers: ICAO HQ/RO

Content: Introduction of the concept of National Aviation Safety Plan (NASP) and presenting the various guidance material developed by ICAO for the States in the establishment and implementation of individual NASPs.

- **6 - 7 July 2021: 0200 – 0600 UTC (0900-1300 BKK time)**

SWIM Workshop

Facilitators: Mr. Luo Yi, Regional Officer, CNS
 Ms. Soniya Nibhani, Regional Officer, Air Navigation Systems (CNS) implementation
 Speakers: Subject Matter Experts (SMEs)

Content: The workshop will focus on how SWIM (System Wide Information Management) can better support the current operations and enable the operations following the future operational concepts such as FF-ICE and cross-border surveillance data sharing, emphasizing on the bottom-up viewpoint for SWIM implementation in APAC region. At this workshop, a broad scope of participants is expected with presentations and discussions including not only technical but also operational perspective.

- **8 July 2021: 0300 – 0430 UTC (1000 – 1130 Bangkok time)**

Sharing experience and challenges in the Implementation of SSP and SMS in the region (AP-RASP Goal for 2022)

Facilitator: Mr. Susantha De Silva- Regional Officer, Safety Implementation
 Speakers: ICAO RO and Regional States

Content: Implementation of APAC Regional Aviation Safety Plan (AP-RASP) 2020-2022 Edition requires the APAC States to commence implementation of robust and matured SSP in the States and SMS in their respective Industry by end 2022. This herculean task is commenced only by few States in the region and hence achieving such task has become evidently a formidable challenge. Hence States, in achieving this goal, needs continuous support and guidance from ICAO and other stakeholders including experienced APAC States and their Industry.

- **20 July 2021: 0300 – 0430 UTC (1000 – 1130 Bangkok time)**

Implementation of CRV in APAC region

Facilitators: Mr. Luo Yi, Regional Officer, CNS
 Ms. Soniya Nibhani, Regional Officer, Air Navigation Systems (CNS) implementation
 Speakers: Subject Matter Experts (SMEs)

Content: To share brief introduction, concepts, and regional activities of Asia Pacific Common Regional Virtual Private Network (CRV) along with the progress of implementation of CRV in APAC region. Concluding message will be to urge non-implemented States to implement CRV and to request support of CRV implemented States by sharing lessons learned and/or best practices.

- **5 August 2021: 0300 – 0430 UTC (1000 – 1130 Bangkok time)**

Future Aeronautical Meteorological Service

Facilitator: Mr. Peter Dunda, Regional Officer, MET and ENV
 Speaker: MET subject matter expert

Content: To provide a glimpse on how meteorological service provision for aviation is evolving and the challenges and opportunities for MET in the SWIM environment.

- **19 August 2021: 0300 – 0430 UTC (1000 – 1130 Bangkok time)**

State Action Plan Initiative on CO2 Emissions Reduction in APAC Region

Facilitators: Mr. Peter Dunda, Regional Officer, MET and ENV
Mr. Sayuta Senobua, Regional Officer, Environment and Climate Change
Speakers: ICAO and ENV subject matter experts

Content: To promote the importance of ICAO’s State Action Plan (SAP) initiative in reducing carbon emissions in aviation sector and highlight SAP implementation in the APAC region. Concluding message will be to highlight the SAP initiative as a means to provide States with the capacity and tools to take action to reduce the impact of aviation on the global climate.

- **1 September 2021: 0300 – 0430 UTC (1000 – 1130 Bangkok time)**

Implementation of ADS-B

Facilitators: Mr. Luo Yi, Regional Officer, CNS
Ms. Soniya Nibhani, Regional Officer, Air Navigation Systems (CNS) implementation
Speakers: Subject Matter Experts (SMEs)

Content: To share brief introduction, concepts, and benefits of ADS-B along with the progress of implementation of ADS-B in APAC region. Concluding message will be to urge non-implemented States to implement ADS-B, encourage States for ADS-B mandate, and to request support of ADS-B implemented States by sharing ADS-B data with neighbouring States, sharing lessons learned and/or best practices.

- **TBD (September 2021): 0300 – 0430 UTC (1000 – 1130 Bangkok time)**

CCO/CDO implementation Requirement, Lesson learnt & Best Practices

Facilitator: Mr. V. K. Mishra, Regional Officer, PBN
Speakers: Subject Matter Experts (SMEs)

Content: An overview of Continuous Climb and Descent Operations (CCO/CDO) requirements as per ICAO Documents and to gain insight into lessons learned and/or best practices on CCO/CDO implementation and its operation.

- **TBD (September 2021): 0300 – 0430 UTC (1000 – 1130 Bangkok time)**

RECAT (wake turbulence re-categorization) webinar

Facilitator: Mr. Mior Adli bin Mior Sallehuddin, Regional Officer, ATM
Speakers: Subject Matter Experts (SMEs)

Content: To gain insight into lessons learned and/or best practices on RECAT (wake turbulence re-categorization) implementation and its operation.

- **5 October 2021: 0300 – 0430 UTC (1000 – 1130 Bangkok time)**

Implementation of CORSIA

Facilitators: Mr. Peter Dunda, Regional Officer, MET
Mr. Sayuta Senobua, Regional Officer, Environment and Climate Change
Speakers: ICAO and ENV subject matter experts

Content: To promote a shared, common basic understanding of the design, implementation and benefits of Carbon Offsetting and Reduction Scheme for International Aviation (CORSA). Concluding message will be to highlight ICAO's CORSA implementation elements and ACT CORSA program.

- **28 - 29 October 2021 (2 days), 0300 – 0630 UTC (1000 – 1330 Bangkok time)**
ICAO APAC Safety Culture “Safety is MY business” Workshop

Facilitator: Ms. Lia Sunok LEE, Regional Officer, ATM
Speakers: Subject Matter Experts (SMEs)

Content: As a strong Safety Culture is vital to an effectively well-functioning SMS and it is not possible to have an effective SMS without a good Safety Culture, to help enhance safety management performance of APAC States by providing a guidance on implementing and promoting a positive Safety Culture within the organization's SSP/SMS.

- Day 1: ICAO requirements and concept review based on Annex 19, Doc 9859 and APAC Seamless ANS Plan
- Day 2: Small group discussion on developing safety culture maturity indicators by elements

- **TBD (3Q/4Q 2021): 0300 – 0430 UTC (1000 – 1130 Bangkok time)**
Implementation of the New Global Reporting Format (GRF) for Runway Surface Conditions in APAC Region

Facilitator: Mr. Punya Raj Shakya, Regional Officer, AGA
Speaker: ICAO and ACI subject matter experts

Content: *Global Reporting System and Format for Assessing and Reporting Runway Surface Conditions (GRF)* is a new ICAO methodology for assessing and reporting runway surface conditions which will become applicable from 4 November 2021. This new methodology, ensures a harmonized assessment and reporting of runway surface conditions and a correspondingly improved flight crew assessment of take-off and landing performance.

Registration link

<https://www.icao.int/APAC/Meetings/Pages/Webinars-.aspx>
