

International Civil Aviation Organization

The Sixth Meeting of System Wide Information Management Task Force (SWIM TF/6)

Video Teleconference (VTC), 17 – 20 May 2022

Agenda Item 8: Next meeting date and any other business

ICAO APAC WEBINARS: IMPLEMENTATION OF CRV

(Presented by the Secretariat)

SUMMARY

This paper presents the ICAO APAC proposed webinar on **Implementation of CRV** to be held on **29 June 2022** via Video Tele-Conferencing (VTC).

1. INTRODUCTION

- 1.1 In 2021, ICAO APAC office had organized a series of webinars. The webinars primary objective were 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 included 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 Webinar on Implementation of ADS-B on 1 September 2021, which were related to CNS. The webinars were highly appreciated by member states by participating in high numbers and by providing positive feedbacks. One of the feedbacks was to request to ICAO APAC office to organise such webinars in 2022.
- 1.3 In last year, the ICAO Asia Pacific Implementation of CRV Webinar was held on 20 July 2021. The webinar was organised via Video Tele-Conferencing (VTC) using Microsoft Teams.
- 1.4 The Webinar was attended by **121** participants from **18** States/Administrations, **2** airlines industries and a telecommunication provider from Australia, Bangladesh, Bhutan, China, Hong Kong China, Fiji, India, Indonesia, Malaysia, New Zealand, Pakistan, Philippines, Republic of Korea, Singapore, Sri Lanka, Thailand, USA, Viet Nam, All Nippon Airways, Korean Air, PCCW and ICAO. The webinar report, presentations, and other resources can be accessed by following link:

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

1.5 This paper provides information about upcoming ICAO APAC Webinar on Implementation of CRV along with other webinars in 2022.

SWIM TF/6 – **IP/02 Agenda Item 8**17 – 20/05/22

2. DISCUSSION

Webinars/Workshops in 2021

- 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 series of webinars included 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 Webinar on Implementation of ADS-B on 1 September 2021.
- 2.2. 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.
- 2.3. Total **Four** (4) presentations were delivered by CRV experts from New Zealand, Fiji, USA, and Hong Kong, China. During the Webinar, Questions and Answers (Q & A) sessions were held at end of each presentation through the Pigeonhole tool. Throughout the Webinar, a total of **40 questions** were asked and *more than 15 feedbacks* for the Webinar were provided by Participants with **100% positive response**.
- 2.4. Based on Q&A sessions and submitted survey responses from Member States, the need for potential discussion with PCCWG for extension of CRV Implementation deadline beyond the end of 2022 due to COVID-19 crisis as it is continued in 2021, the need for flexibilities in the package options selection by Member States, and the need for a platform for sharing lessons learnt and best practices based on experiences by Member States, which are using CRV, were felt. ICAO Secretariat took necessary action about these discussion in CRV OG.

Webinars/Workshops in 2022

- 2.1 In 2021, ICAO APAC office proposed to organise **3 days face-to-face workshop** on Cybersecurity in 2022. However, due to the uncertainty caused by the COVID-19 pandemic even in 2022, all face-to-face meetings and other face-to-face events would be kept on hold until situation gets normal and allows people to travel.
- 2.2 ICAO APAC Office organised **Mode S Workshop** on **22 March 2022** via **Video Tele Conferencing (VTC)**. The workshop was organised along with Fifth Meeting of Mode S Downlinked Aircraft Parameters Working Group (Mode S DAPs WG/5) held on 23-25 March 2022 by VTC.
- 2.3 ICAO APAC office has planned a webinar on **Implementation of CRV** on **29th June 2022** to facilitate better usage and understanding of the CRV OG Operations Manual and other important information required for implementation of CRV in APAC region. The detailed agenda and program for the webinar is provided in **Appendix A** to the paper.
- 2.4 ICAO APAC Office has planned for other webinars to be done in the year 2022 in CNS and other domains. The information about all webinars was shared by the State Letter **Ref: O 7/1 AP 059/22** dated **28 March 2022**. The list included total **14 number of webinars** on various subjects. The State Letter included the other information about all webinars in addition to the ICAO APAC CRV

Webinar and necessary guidelines for registration to the webinar. The State Letter and its attachments are provided in **Appendix B** to this paper.

2.4 Member States/administration are encouraged to take advantage of above mentioned virtual events by participating and contributing for the webinars/workshops.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
 - a) note the information contained in **Appendix A** and **Appendix 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.

ICAO Asia/Pacific Regional Webinar

Implementation of CRV in APAC Region

29th June 2022 (UTC+7)

Opening Session

09:00 - 09:05

Inauguration

Dr. Manjit Singh, Deputy Regional Director, ICAO APAC, Bangkok

Introduction

✓ Introduction of Participants

Logistics information

09:05 - 09:15

- ✓ Administrative information
- ✓ Pigeonhole tool instructions

Please download all documents/presentations here

Webinar Session-1

Moderator- Ms. Soniya Nibhani, Regional Officer, ANS (CNS) Implementation

1. SP101 – CRV Project and its Significance for Asia/Pacific Region

Mr. Hoang Tran

International Telecommunication Service, FAA, USA, ICAO APAC ACSICG Chair

Abstract: The goal of this presentation is to provide the audience required information about the motivation and necessity of CRV Project in APAC region. It also aimed to inform the significance of CRV project and implication in case of non-implementation of CRV in harmonized manner.

Question and Answer

9:15 - 10:30

2. SP102 – Challenges and Potential Solutions for CRV Implementation in Pacific States

Mr. Kelepi Dainaki,

Manager Air Navigation Engineering Services, Fiji Airport Limited, CRV OG Chair (Pacific)

Abstract: The goal of this presentation is to provide the audience with the latest status of implementation of CRV in Pacific States along with challenges faced by them. It will also discuss potential solutions for Pacific States and small ANSPs to ensure No Country Left Behind in CRV Implementation.

Question and Answer

10:30 - 10:50

Refreshment Break

ICAO Asia/Pacific Regional Webinar

Implementation of CRV in APAC Region

29th June 2022 (UTC+7)

Webinar Session-2

Moderator- Ms. Zhong, Wenhan, Regional Officer, CNS

3. SP201- Synthesis of CRV Operational Manual

Mr. Vaughan Hickford,

Team Leader Network Design, Airways New Zealand, CRV OG Chair (Asia)

Abstract: ANSPs need the guidance materials to join the CRV and to understand the steps required to adopt all necessary measures to ensure they are able to assess the need and can safely transit to CRV from legacy system with standardized steps documented in various project documentation. The goal of this presentation is to provide the audience with the synthesis of CRV Operational Manual available for implementation of CRV in APAC States.

Question and Answer

10:50 - 12:20

4. SP201– Synthesis of CRV Implementation Plan

Mr. Augustine Lau

Principal Engineer (Communications), Civil Aviation Authority of Singapore

Abstract: ANSPs need the guidance materials to join the CRV and to understand the steps required to adopt all necessary measures to ensure they are able to assess the need and can safely transit to CRV from legacy system with standardized steps documented in various project documentation. The goal of this presentation is to provide the audience with the synthesis of CRV Implementation Plan available for implementation of CRV in APAC States.

Question and Answer

5. Standardized Contract Conditions for CRV

Mr. Eddy Lee PCCW Global

Abstract: PCCW Global, the approved vendor to provide CRV services and circuits in APAC region, will brief about the capacity assessments/needs from ANSPs to estimate required infrastructure, different packages options and their selection for ANSPs and other standard Terms and Conditions needed to be known by Member States for CRV contract establishments.

Question and Answer

Closing Session

12:20 - 12:30

6. Review Outcomes from Webinar and Closing Remarks

Ms. Soniya Nibhani, Regional Officer, ANS (CNS) Implementation

NOTE: This tentative programme is subject to change. All times indicated are in Local Bangkok Time



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منظمة الطيران المدني الدولي

国 际民用 航空组织

Ref.: O 7/1 - AP 059/22 (CNS) 28 March 2022

Subject: ICAO APAC Webinars 2022

(April – December 2022)

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 2022. The webinars, mainly but not limited to Flight Safety and Air Navigation Services (ANS) areas, will be conducted by ICAO with the support of Subject Matter Experts (SMEs).

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. Total fourteen webinars are planned in 2022, and the program outline of the webinars is provided 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, ANS, and others 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@icao.int with copies to snibhani@icao.int; wzhong@icao.int).

2/...

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.

for

Tao Ma Regional Director

Enclosures:

 $Attachment \ A-Program \ Outline$

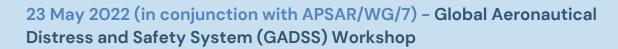
Attachment B – Online Registration Guidelines



ICAO APAC WEBINARS 2022



April - December 2022



30 May 2022 (in conjunction with the MET/R WG/11) - Meteorology/Air Traffic Management (MET/ATM)

June 2022 - COVID-19-related ATM Contingency Recovery Webinar

7 June 2022 - Webinar on Implementation of ATM Automation System

29 June 2022 - Implementation of CRV in APAC Region

30 June 2022 - Implementation of CORSIA

13 July 2022 - ICAO USOAP CMA SSP Implementation Assessment (SSPIA)

Q3 2022 - One year into GRF, Challenges Met and Lessons Learnt in Asia-Pacific (tentative)

Q3 2022 - Webinar on 5G Implementation and Radio Altimeter

18 August 2022 - State Action Plan Initiative on CO2 Emissions Reduction

September 2022 - Innovation and Resilience Webinar

September 2022 - ATFM/A-CDM Integration Webinar

October 2022 (in conjunction with ATM/SG) – Wake Turbulence Recategorization (RECAT) Implementation Webinar

Q3-Q4 2022 - Space Weather Information Service



ps://www.icao.int/APAC/Meetings/Pages/Webind

PROGRAM OUTLINE

Program

• 23 May 2022: 09:00 – 15:00 Indochina Time (ICT) (UTC+7:00) [in conjunction with APSAR/WG/7] Global Aeronautical Distress and Safety System (GADSS) Workshop

Facilitators: TBA (To be Announced)
Speakers: Subject Matter Experts (SMEs)

Content: The workshop is intended to familiarize States, airspace users and international organizations with the ICAO provisions for tracking of aircraft in distress, the Location of an Aircraft in Distress Repository (LADR), and procedures and preparatory steps for SAR satellite service providers, aeronautical regulators, SAR authorities and ANSPs. Please refer to the GADSS Workshop and APSAR/WG/7 State Letter AP025/22 (ATM), https://www.icao.int/APAC/Meetings/Pages/2022-APSAR-WG7.aspx.

• 30 May 2022: 10:00 – 14:00 Indochina Time (ICT) (UTC+7:00) [in conjunction with the Eleventh Meeting of the Meteorological Requirements Working Group (MET/R WG/11) online from 1 to 3 June 2022] Meteorology/Air Traffic Management (MET/ATM)

Facilitators: Mr. Peter Dunda, Regional Officer, MET and ENV

Mr. Hiroyuki Takata, Regional Officer, ATM

Speakers: Subject Matter Experts (SMEs)

Content: To provide an opportunity for States and Organizations to share information, experiences and ideas on planning and implementing meteorological (MET) services to support air traffic management (ATM) operations. The Webinar will focus on recent innovations in the collaborative arrangements between MET services and ATM stakeholders and the integration of MET information into ATM systems.

June 2022 (Date would be informed later)
 COVID-19-related ATM Contingency Recovery Webinar

Facilitators: Mr. M K Nelli, Regional Officer, ATM,

Mr. Weng Kit Ying, ATM Officer

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

Subject Matter Experts (SMEs)

Content: The webinar is intended to share ANSP's experiences and Airspace users' expectations to enhance regional collective readiness for the resumption of normal traffic levels, noting the unprecedented disruption to global air travel and associated drastic and sustained drop in air traffic volume due to COVID-19 pandemic.

• 7 June 2022: 09:00 – 12:00 Indochina Time (ICT) (UTC+7:00) <u>Webinar on Implementation of ATM Automation System</u>

Facilitator: Mr. Luo Yi, Regional Officer, CNS

Speakers: Subject Matter Experts (SMEs)

Content: The webinar will share the information and experience on implementation of Air Traffic Management (ATM) automation system in the APAC Region focusing on system planning and architecture, system testing and management, solutions for challenges and potential issues, and the latest developments in ATM automation systems. Detailed information about the webinar topics to be discussed, webinar programme, and presentations will be available on https://www.icao.int/APAC/Meetings/Pages/2022-ATMAS-TF3--.aspx.

• 29 June 2022: 09:00 – 12:30 Indochina Time (ICT) (UTC+7:00) Implementation of CRV in APAC Region

Facilitator: 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 and significance for non-implementation. 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.

• 30 June 2022: 09:00 – 11:00 Indochina Time (ICT) (UTC+7:00) <u>Implementation of CORSIA</u>

Facilitators: Mr. Peter Dunda, Regional Officer, MET and ENV

Mr. Sayuta Senobua, Regional Officer, Environment and Climate Change

Speakers: Subject Matter Experts (SMEs)

Content: To share the implementation elements of the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA), in particular the provisions of CORSIA monitoring, reporting and verification (MRV) and the reporting of data to ICAO through the CORSIA Central Registry (CCR).

• 13 July 2022: 10:00 – 12:00 Indochina Time (ICT) (UTC+7:00) ICAO USOAP CMA SSP Implementation Assessment (SSPIA)

Facilitators: Mr. Susantha De Silva, Regional Officer, Safety Implementation (SAF-IMP)

Speakers: Subject Matter Experts (SMEs)

Content: Brief introduction of the concepts, Methodology of conducting SSPIA and to understand and differentiate with Audit methodology. Further, to share regional States experience of APAC SSPIA results and to promote APAC regional states in conducting self-assessments on SSPIA Module of OLF and sharing results on On-Line Framework (OLF).

• Q3 2022 (Date and Month would be informed later): 13:00 – 15:30 Indochina Time (ICT) (UTC+7:00) One year into GRF, Challenges Met and Lessons Learnt in Asia-Pacific (tentative)

Facilitator: Mr. Punya Raj Shakya, Regional Officer, AGA

Mr. SL Wong, Head - Technical Affairs, Safety, Capacity and ATM, ACI Asia-Pacific

Speaker: Subject matter experts from CAA China and ACI.

Content: To share the lessons learnt in implementing Global Reporting System and Format for Assessing and Reporting Runway Surface Conditions (GRF) in airports of China and other airports of Asia and Pacific State(s).

• Q3 2022 (Date and Month would be informed later)

Webinar on 5G Implementation and Radio Altimeter

Facilitators: TBA

Speakers: Subject Matter Experts (SMEs)

Content: The webinar is intended to promote the understanding among the spectrum regulator, and industries on 5G implementation and Radio Altimeter issue, so as to harmonize the 5G implementation while ensuring the aviation safety and regularity in the APAC region.

• 18 August 2022: 09:00 – 10:30 Indochina Time (ICT) (UTC+7:00) State Action Plan Initiative on CO2 Emissions Reduction

Facilitators: Mr. Peter Dunda, Regional Officer, MET and ENV

Mr. Sayuta Senobua, Regional Officer, Environment and Climate Change

Speakers: Subject Matter Experts (SMEs)

Content: To promote the importance of the ICAO's State Action Plan (SAP) initiative in reducing carbon emissions in the aviation sector through various innovative measures. Concluding message will be to highlight the SAP initiative as a means for States to take practical and concrete action to reduce the impact of aviation on the global climate.

• **September 2022** (Date would be informed later)

Innovation and Resilience Webinar

Facilitators: TBA

Speakers: Subject Matter Experts (SMEs)

Content: In the particular context of the COVID-19 crisis mitigation and recovery, innovations are key to build back better and underscore how international civil aviation is an enabler of global prosperity and interconnectivity, bringing business and people together. The webinar is intended to help participants understand how new technologies and processes can support a more resilient aviation system, in support of the UN sustainable Development Goals.

• **September 2022** (Date would be informed later)

ATFM/A-CDM Integration Webinar

Facilitators: Mr. M K Nelli, Regional Officer, ATM,

Mr. Hiroyuki Takata, Regional Officer, ATM, Mr. Punya Raj Shakya, Regional officer, AGA,

Speakers: Subject Matter Experts (SMEs)

Content: The webinar is intended to gain from the States experienced in the implementation of A-CDM and ATFM and assist States in developing implementation plans and strategies for A-CDM integration with ATFM.

• October 2022 [in conjunction with ATM/SG]

Wake Turbulence Re-categorization (RECAT) Implementation Webinar

Facilitators: Mr. M K Nelli, Regional Officer, ATM

Speakers: Subject Matter Experts (SMEs)

Content: The webinar is intended to share experience and lessons learned in implementing enhanced wake turbulence separation to optimize air space capacity and/or airport capacity. This event is one of the following up actions of ATM/SG/9.

• Q3-Q4 2022 (Date and Month would be informed later)

Space Weather Information Service

Facilitators: Mr. Peter Dunda, Regional Officer, MET and ENV

Speakers: Subject Matter Experts (SMEs)

Content: ICAO Council-designated space weather centres monitor and provide advisory information on space weather phenomena expected to affect high-frequency radio communications, communications via satellite, GNSS-based navigation and surveillance systems and/or pose a radiation risk to aircraft occupants. The Webinar will share information on the space weather information service to support international air navigation and facilitate the distribution and use of space weather information in the APAC Region.

Registration link

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



ONLINE REGISTRATION GUIDELINES

Step 1: Visit ICAO APAC website, https://www.icao.int/apac/pages/default.aspx



Step 2: Click on "APAC Webinars" which can be found on the left-hand menu of this page, as seen below



Step 3: You will be at the ICAO APAC Workshops/Seminars website,

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



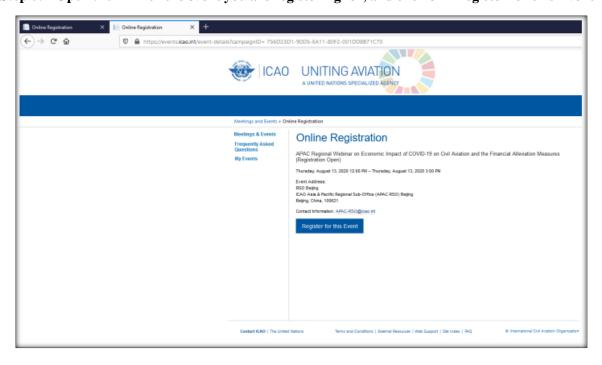
Step 4: Click on the link you wish to attend



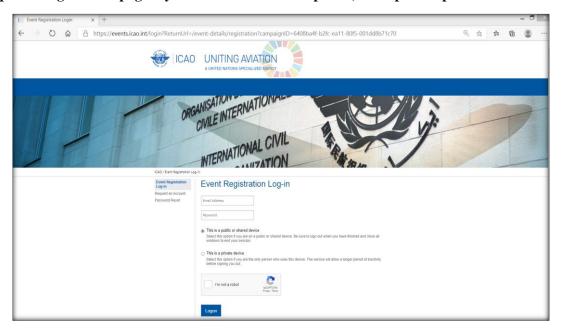
Step 5: Click on the link you wish to register



Step 6: Open the link for the event you are registering for, and click on "Register for this Event"



Existing Users of ICAO Event Registration



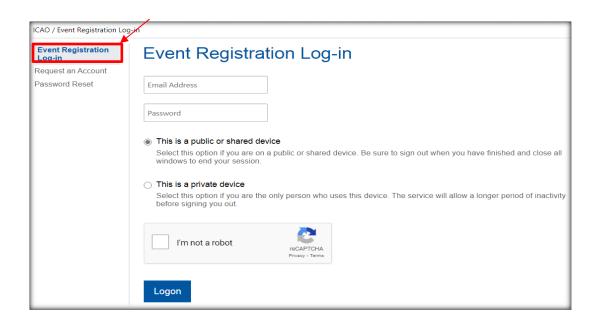
Step 7: Login to the page if you have ever used this portal, or skip to Step 8 for new users

If you have ever registered for any ICAO event using this portal, please enter your email address and password. Select the Captcha and finally click "Logon" to open the next page, and complete the registration.

- **Step 7a:** Once you have login, the system will open a registration page with pre-populated information.
- Step 7b: Complete the remaining required fields and click "Register Now".
- **Step 7c:** Please check your email account for the event confirmation email.
- **Step 7d:** If you forgot your password for the Events Registration portal, please click on "Password Reset" to reset your password.

New Users of ICAO Event Registration

Step 8: For a new user, click on "Request an Account", which can be found on the left-hand menu of this page, as seen below



Step 8a: Input your email address, and click on "Verify email address" to check if your details are in the system



Meetings and Events > Online Registration > Online Registration

Meetings & Events

Frequently Asked
Guestions

At Events

APAC Regional
Webinar on
Economic impact
of COVID-19 on
And the
Financial
Alleviation
Measures
Thursday, August 13,
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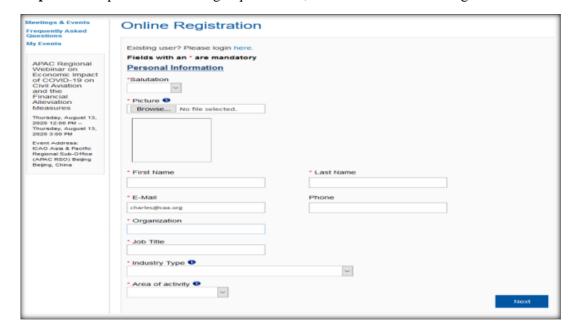
Cancel

Phone

* Job Title

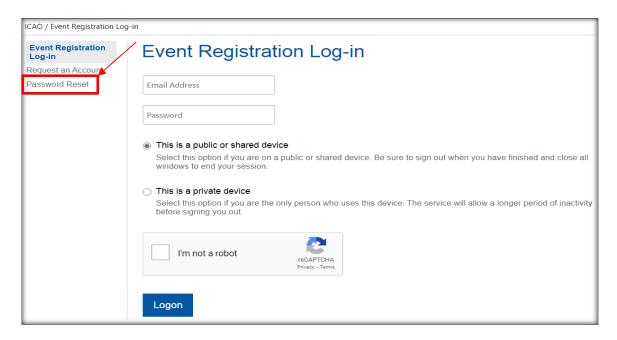
Step 8b: Select "Proceed to a new registration"

Step 8c: Complete the remaining required field, and click "Next" and "Register Now"



Step 8d: Please check your email account for the event confirmation email, showing you have successfully registered

Forgot your password?



You can reset your password by clicking on "Password Reset".

If you forgot your password, click on the "Password Reset" which can be found on the left-hand menu of this page, then input your email address and click "Reset". A link with a new password will be sent to your email account, which you can use to login ICAO Event Registration.

To change your password, please login ICAO Event Registration, then click the drop down menu next to your profile picture on the top right-hand corner of the page, and select "Profile", then click "Change Password" to change your preferred password.