



ICAO

International Civil Aviation Organization

Eleventh Meeting of the Air Traffic Management Sub-Group
(ATM/SG/11) of APANPIRG

Singapore, 2 – 6 October 2023

Agenda Item 3: Performance Frameworks and Metrics

PROGRESS ON APAC SEAMLESS ANS REPORTING PORTAL

(Presented by Secretariat)

SUMMARY

This paper presents the current development status on the APAC Seamless ANS Reporting Portal.

1. INTRODUCTION

1.1 The first version of the Asia/Pacific Seamless ATM Plan was published in 2013. The APANPIRG/25 Meeting adopted Regional Priorities and Targets for the APAC Region in 2014 through the *Conclusion APANPIRG 25/2 – APAC Regional Air Navigation Priorities and Targets*.

1.2 After the creation of an ICAO web-based reporting tool in 2014, APANPIRG adopted *Conclusion APANPIRG 25/5 – Web-based Seamless ATM Implementation Progress Reporting Process*

That, States/Administrations be urged to report on their Seamless ATM implementation progress at least once a year through the ICAO online reporting process from November 2014 onwards.

1.3 The ICAO Regional Office encouraged APAC States/Administrations to nominate their Points of Contact (POCs) as requested by ICAO State Letter. The POCs are responsible for submitting and updating their respective State's progress of Seamless ANS Plan implementation.

1.4 There were 45 reporting items for this established regional practice, the data submitted by POCs to the reporting tool (a portal) was saved to a spread sheet automatically, then it was manually copied to **iSTARS 3.0** application **Air Navigation Implementation – Actual** for presentation. This application was a dashboard of status of air navigation implementation by Region, the manual push of the data for APAC was done by colleagues in HQ.

1.5 In order to match the 6th Edition of GANP, APANPIRG/30 reviewed and adopted the Asia/Pacific Seamless ANS Plan Version 3.0 through *Conclusion APANPIRG 30/5*. With the significant changes of the Seamless ANS Plan, the definition and selected reporting items have been updated as well. The implemented tool was customized with the Seamless ATM Plan in 2013, the reporting portal of 2014 was no longer applicable for new items, therefore the update of the data was stopped in 2019.

1.6 The ICAO HQ initiated the upgrading of **iSTARS** platform around 2019, and a pioneer project of Regional Dashboard was introduced for trial in SAM region.

2. DISCUSSION

2.1 Recognizing the importance of reporting portal, the APANPIRG adopted the following Conclusion to invite ICAO Headquarters' support for Regional ANS Implementation:

Conclusion APANPIRG 30/6 - ICAO HQ Support for Regional ANS Implementation

That, ICAO HQ is invited to:

(1) given the greatly increased number and complexity of Aviation System Block

Upgrade (ASBU) elements in the draft 6th Edition of the Global Aviation Navigation Plan (GANP), the redefinition of ASBU Block 0 elements that were expected to be completed by 2019, and the need for more detailed and comprehensive guidance provided on the ASBU Portal for each element than is currently provided, consider:

(i) the consequences for States of different capabilities to ensure that the No Country Left Behind (NCLB) policy is fully considered; and

(ii) the extra resources, tools and training required to enable States to be able to understand, review, determine priorities and costs/benefits, and implement the applicable ASBU elements; and

(2) ensure that the redevelopment of the Regional Air Navigation Plan Volume III

templates allow the Asia/Pacific Seamless Air Navigation Service (ANS) Plan to be fully incorporated into Vol. III without amendment; and

(3) ensure an urgent upgrade of the electronic regional ANS Monitoring and Reporting Scheme to:

(i) allow States to electronically submit data related to the Seamless ANS Plan and its subsidiary plans; and

(ii) ensure the ICAO Regional Office can amend online elements, metrics and priorities, consistent with APANPIRG endorsements.

2.2 ICAO APAC Regional Office has been coordinating with ICAO Headquarters to solicit necessary resources for the development of APAC Seamless ANS Reporting Portal all along. In 2021, ICAO Headquarters allocated a budget and assigned a team of ICT experts to kickstart the design and development of the Portal based on the requirements from this Region, and experience gained from the previously deprecated Reporting Portal.

2.3 ICT HQ delivered a new version of reporting tool based on ICAO cloud services, which would support reporting item configuration by portal administrator. This provided a more flexible solution to users in case there are new changes on reporting items.

2.4 While waiting for the progress on the review status of the Asia/Pacific Seamless ANS Plan 4.0, to incorporate the new changes into the Portal to facilitate States to report their Seamless ANS Plan implementation, the Secretariat has been taken active approach in setting up the Portal. A demonstration was successfully conducted during last APANPIRG/33 in 2022 for the live working APAC Seamless ANS Plan Reporting Portal.

2.5 The new tool was expected to be implemented after the approval of Seamless ANS Plan 4.0 and the agreed definition of various new reporting items. However, how to present the collected data in graphical mode on **iSTARS 4.0** is still a pending issue to be further explored with HQ.

2.6 The ICAO APAC Regional Office learned that the trial version of the Regional Dashboard by HQ and SAM was proposed to prepare the input through manually editing by respective Regional Officers while the dashboard covered only 11 reporting items for ANS.

2.7 Noting that the main changes for Seamless ANS Plan V4.0 are addition of items to V3.0, the new ICAO APAC reporting portal was proposed from the need of APAC Region, which was designed as a configurable tool, APAC should restart ANS implementation reporting with reference to the Seamless ANS Plan V3.0 in a short time.

2.8 With the technical support by ICT HQ, the reported items of Seamless ANS Plan 3.0 will be retained and utilized once the Seamless ANS Plan 4.0 is approved. ANS Sections of ICAO APAC Office are working on the definition and explanation of reporting items of Seamless ANS Plan V3.0, and ICAO APAC Regional Office will continue the coordination with HQ on the presentation of reported data by some application in **iSTARS 4.0**.

2.9 All users must have Microsoft accounts to access this ANS Reporting system, ICAO internal users are already Microsoft account granted, for those external users who don't have Microsoft accounts, they can create free Microsoft accounts by themselves. A brief guideline on using the new portal is provided in **Attachment** to this paper.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matter as appropriate.

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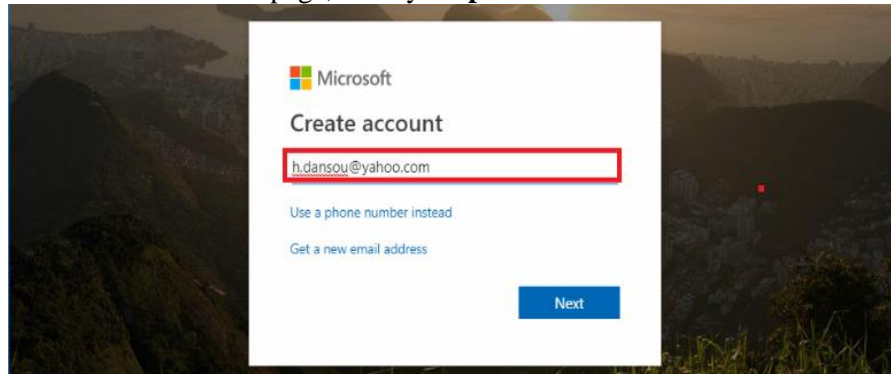
Attachment to ATM SG/11 WP 04

The following paragraphs introduce the use of the APAC Seamless ANS Plan Reporting Portal.

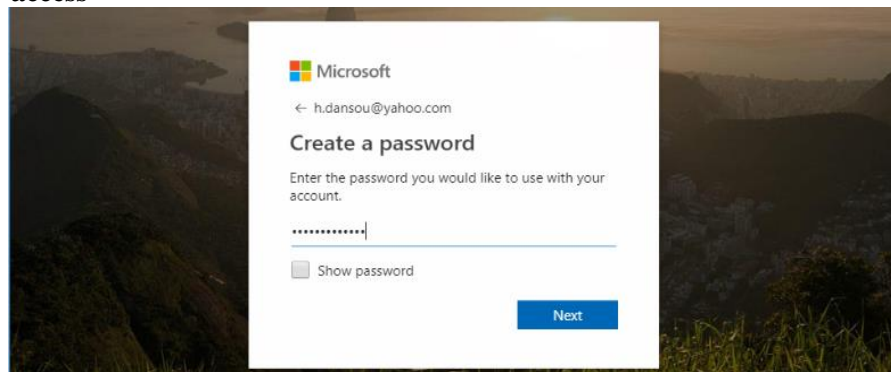
1.1 Registration

1.1.1 Go to site: <https://signup.live.com/signup>

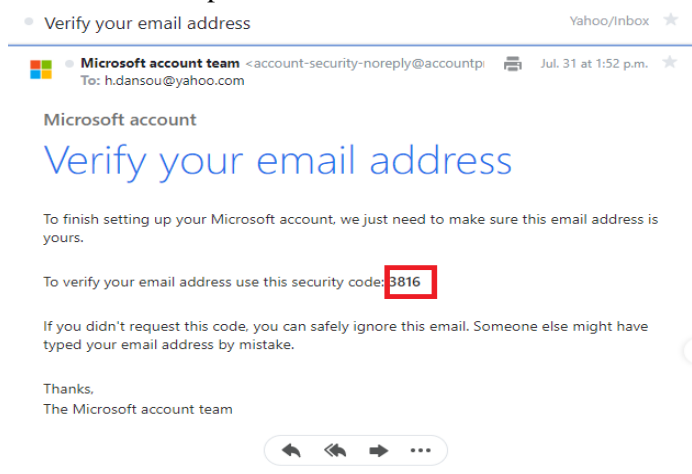
1.1.2 On the create account page, enter your **personal email** and click **Next**



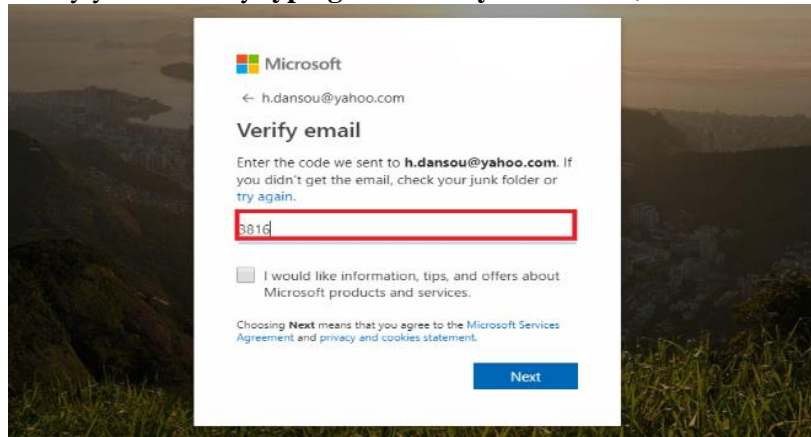
1.1.3 Enter a **password** that you would like to use with your **personal account**, and **click** on the **Next** button. **It is important to memorize or note this password for a future access**



1.1.4 Microsoft will send you a **security code** to your **personal email**. Note the security code for the below steps

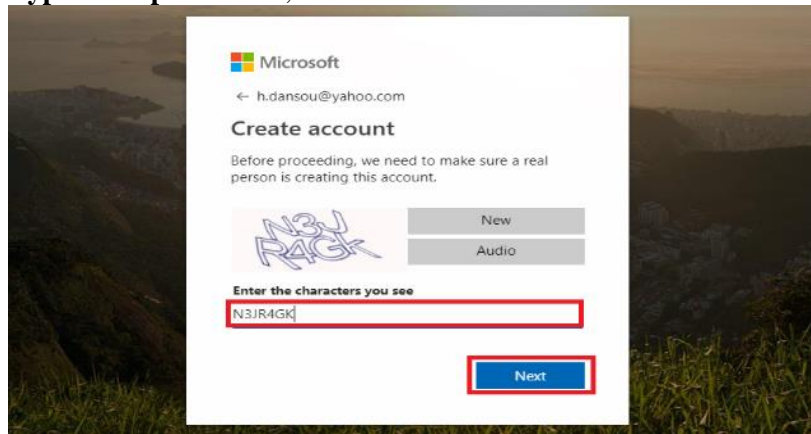


1.1.5 Verify your email by **typing** the **security code** above, then click **Next**



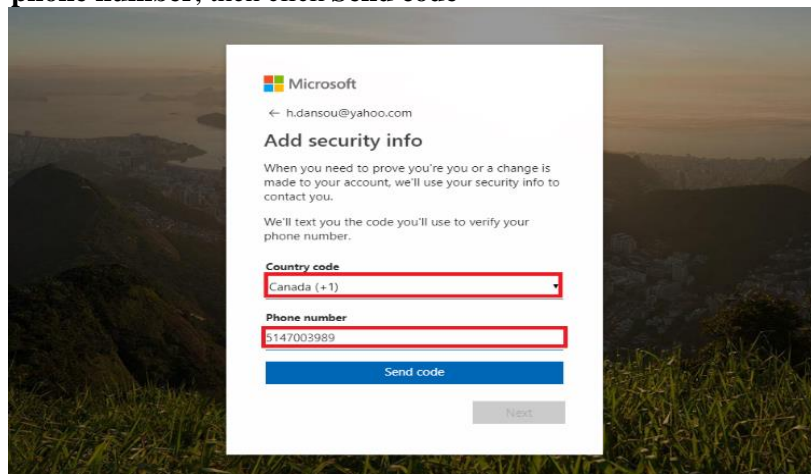
The screenshot shows a Microsoft account verification screen. At the top is the Microsoft logo and a back arrow with the email 'h.dansou@yahoo.com'. The title is 'Verify email'. Below it, text says: 'Enter the code we sent to h.dansou@yahoo.com. If you didn't get the email, check your junk folder or try again.' A text input field contains the code '3816'. Below the field is a checkbox labeled 'I would like information, tips, and offers about Microsoft products and services.' At the bottom, there is a link: 'Choosing Next means that you agree to the Microsoft Services Agreement and privacy and cookies statement.' and a blue 'Next' button.

1.1.6 Type the **captcha code**, and click **Next**



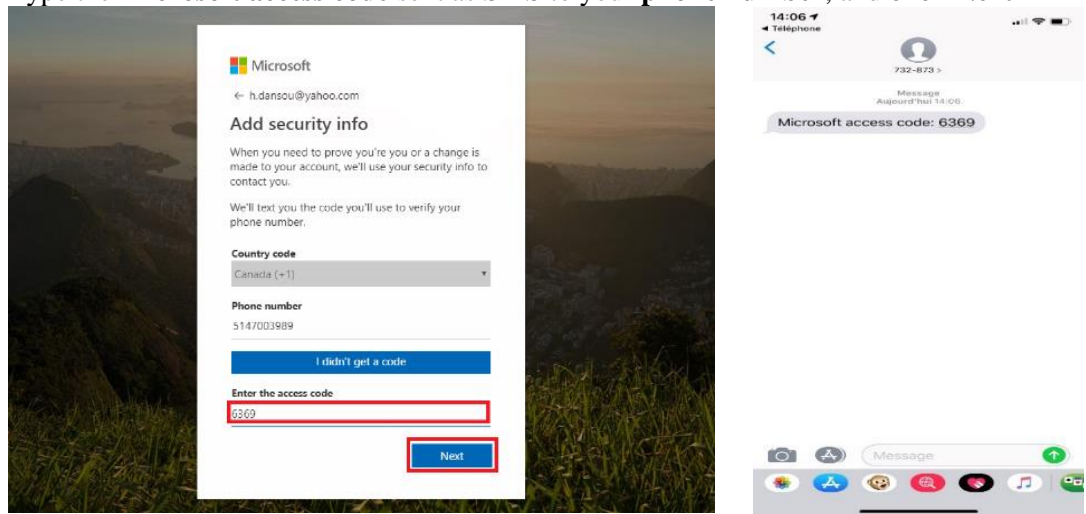
The screenshot shows a Microsoft account creation screen. At the top is the Microsoft logo and a back arrow with the email 'h.dansou@yahoo.com'. The title is 'Create account'. Below it, text says: 'Before proceeding, we need to make sure a real person is creating this account.' There are two buttons: 'New' and 'Audio'. Below these is a captcha image showing the text 'N3JR4GK'. A text input field contains the same text 'N3JR4GK'. At the bottom right is a blue 'Next' button.

1.1.7 Add security info using your **phone number**. Select your **country code**, and type your **phone number**, then click **Send code**

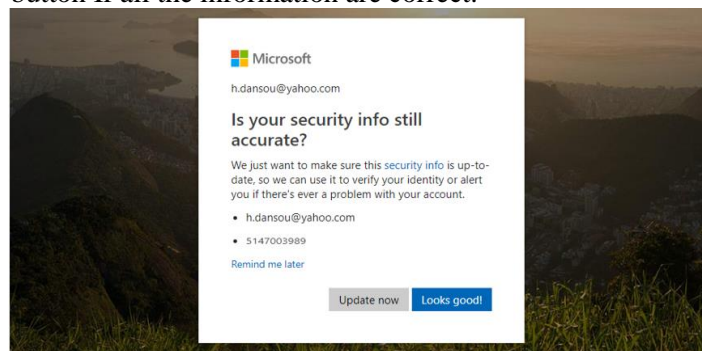


The screenshot shows a Microsoft account security setup screen. At the top is the Microsoft logo and a back arrow with the email 'h.dansou@yahoo.com'. The title is 'Add security info'. Below it, text says: 'When you need to prove you're you or a change is made to your account, we'll use your security info to contact you.' and 'We'll text you the code you'll use to verify your phone number.' There are two input fields: 'Country code' with a dropdown menu showing 'Canada (+1)' and 'Phone number' with the text '5147003989'. At the bottom are two buttons: 'Send code' (blue) and 'Next' (grey).

- 1.1.8 Type the **Microsoft** access code sent as SMS to your **phone number**, and click **Next**



- 1.1.9 Check again your security info and update them if needed. **Click on Looks good!** button If all the information are correct.



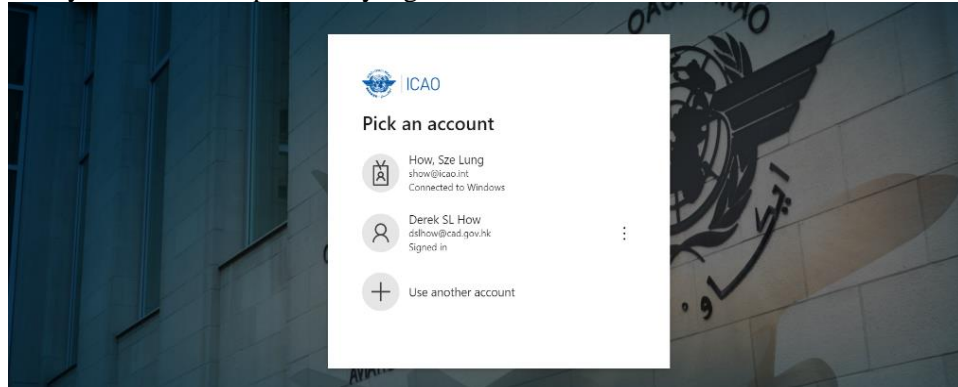
- 1.1.10 Now, a free Microsoft account is created, remember the email address and password for later Microsoft account login.

- 1.1.11 After the above steps, you **must** inform your registered email address to ICAO APAC Regional Office via yluo@icao.int to grant permission on the portal.

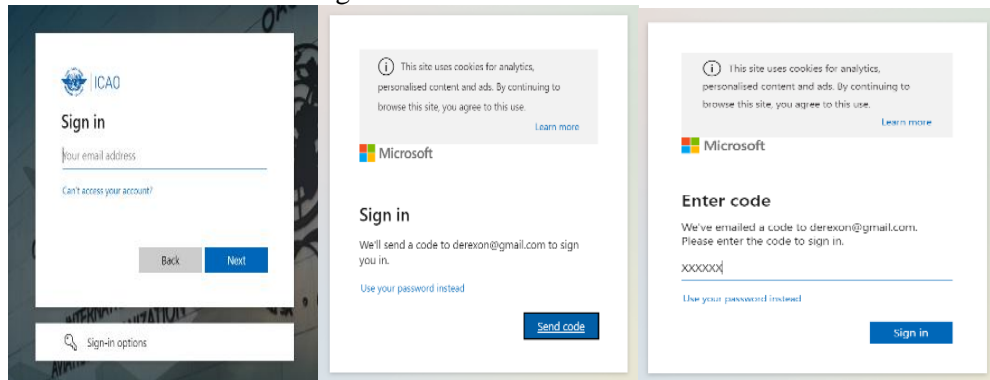
1.2 Login

1.2.1 Go to the portal site: <https://icaoansreportingclient.azurewebsites.net/> .

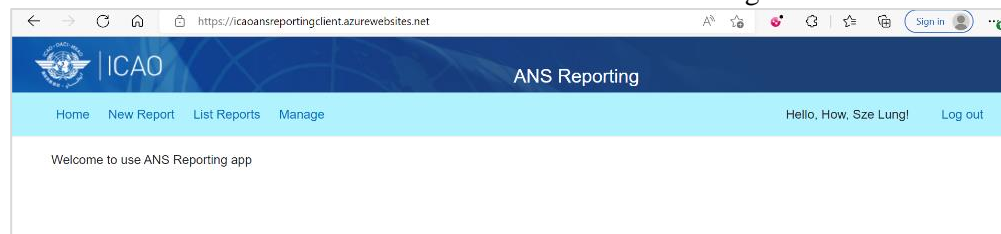
1.2.2 Pick your account if previously signed in, or choose **Use another account**.



1.2.3 Follow the instructions to sign in.

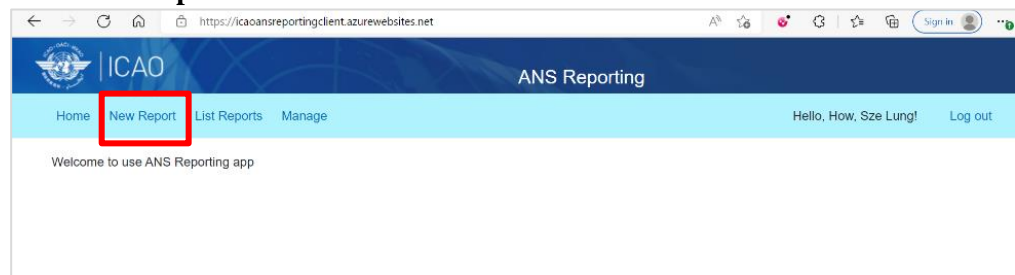


1.2.4 You should see the Home Screen as follows after successful login.



1.3 Create New Report

1.3.1 Click New Report.



1.3.2 Fill in basic information first, including Report Year and Date of Report, then click **Save new report data**. Details of each item could be filled in later by listing previous drafts via **List Reports**.

The screenshot shows the 'Save new report data' form. It includes fields for State/Administration (Hong Kong, China), Report Status (In prepar), Report Year (2022), Date of Report (07/10/2022), and General Comment. Below these fields is a table with columns: Priority, Seamless Plan Item/ASBU Reference, Phase, Applicable or not, Date of Complete Implementation, Progress, Remarks, and Issues Encountered or Expected. The table contains four rows of data for various airport management items.

Priority	Seamless Plan Item/ASBU Reference	Phase	Applicable or not	Date of Complete Implementation	Progress	Remarks	Issues Encountered or Expected
2	Apron Management	II		dd/mm/yyyy			
2	ATS Coordination	II		dd/mm/yyyy			
2	Aerodrome capacity	II		dd/mm/yyyy			
3	Optimization of runway	II		dd/mm/yyyy			

1.3.3 Saving the draft of a new report would take some time. Please be patient.

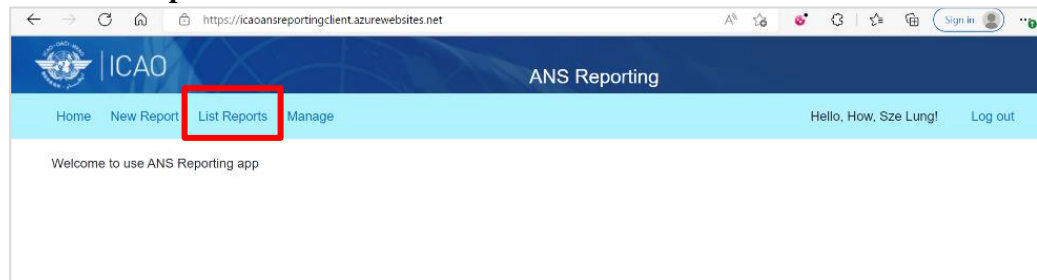
The screenshot shows the 'Save new report data' form. The 'Save new report data' button is highlighted with a red box. Below the form fields, a message reads 'Please wait for data operation...'. The rest of the form structure is identical to the previous screenshot.

1.3.4 Saving is done and you should see the status as follows.

The screenshot shows the ICAO ANS Reporting website after saving. The message 'The report data is saved.' is displayed in the main content area. The navigation bar and user greeting remain the same.

1.4 View and Edit on Previous Reports

1.4.1 Click List Reports.



1.4.2 Click the date buttons to choose previous drafts/submitted reports. Click **Copy** to create a new report with entries same as that draft/submitted reports. Click **Delete** to delete a draft report.

1.4.3 After selecting the report by clicking the date buttons, the previous draft/submitted report should be retrieved. If the report is “In Preparation” under **Report Status**, the user can edit the entries and any updates are **saved automatically**. Entries in “Submitted” reports are not updatable and can only be copied as new reports.

Priority	Seamless Plan Item/ASBU Reference	Phase	Applicable or not	Date of Complete Implementation	Progress	Remarks	Issues Encountered or Expected
2	Apron Management	II		dd/mm/yyyy	0	t1	
2	ATS Coordination	II		dd/mm/yyyy	0		
2	Aerodrome capacity	II		dd/mm/yyyy	0		

1.5 Submission

1.5.1 To submit a report, Click **Submitted** under **Report Status**.

The screenshot shows the ICAO ANS Reporting portal. The 'Report Status' dropdown menu is open, and 'Submitted' is selected. The 'Report Year' is set to 2022. The 'Date of Report' is 10-07. The 'Number of FIR' is 1. The 'Number of high density FIR' is 1. The 'Number of International Aerodrome' is 1. The 'Number of High Density International Aerodrome' is 1. The 'State/Administration' is Hong Kong, China. The 'Seamless Plan Item/ASBU' is Apron Management. The 'Applicable or not' is II. The 'Date of Complete Implementation' is dd/mm/yyyy. The 'Progress' is 111. The 'Remarks' is t11. The 'Issues Encountered or Expected' is empty.

1.5.2 Click **OK** to proceed submission; Click **Cancel** to cancel the submission.

The dialog box is titled 'icaoansreportingclient.azurewebsites.net says'. It contains the text: 'Change report status to Submitted will make the report readonly and can not be edited, do you confirm to change report status to Submitted?'. There are two buttons: 'OK' and 'Cancel'.

1.5.3 The status becomes “Submitted” and all fields are frozen from editing.

The screenshot shows the ICAO ANS Reporting portal. The 'Report Status' dropdown menu is open, and 'Submitted' is selected. The 'Report Year' is set to 2022. The 'Date of Report' is 10-07. The 'Number of FIR' is 1. The 'Number of high density FIR' is 1. The 'Number of International Aerodrome' is 1. The 'Number of High Density International Aerodrome' is 1. The 'State/Administration' is Hong Kong, China. The 'Seamless Plan Item/ASBU' is Apron Management. The 'Applicable or not' is II. The 'Date of Complete Implementation' is dd/mm/yyyy. The 'Progress' is 111. The 'Remarks' is t11. The 'Issues Encountered or Expected' is empty.

1.6 Way Forward

1.6.1 Upon the completion of review of the APAC Seamless ANS Plan which should clearly indicate the reporting items, the Reporting Portal will be updated with the items for States to report to. ICAO APAC Regional Office will inform the Region of the arrangement of the use of the new Reporting Portal.

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