

FAA SWIM Users Forum

Presented to: SWIM Users

By: FAA SWIM Program Office

Date: March 19, 2024



**Federal Aviation
Administration**

Agenda

- **SCDS Updates**
 - Service Access Agreements
 - Maintenance Events
 - LADD Requirement Reminder
- **NSRR Two-Factor Authentication**
- **SWIFT Portal Community Forum Reminder**
- **Upcoming Users Forum Dates**



SCDS Service Access Agreement

Summary Up Front

- **The SCDS Service Access Agreement (SAA) has been updated to include new FAA SWIM Governance that will take effect June 1**
- **SCDS Users need to re-sign their SAAs NLT May 31**
- **Signing a subscription's SAA automatically enables data compression**

New SWIM Governance

- **Updated SWIM Governance**
 - “Non-NAS Impacting Usage Only”
 - SCDS Data Usage
 - Internal Distribution
 - Data Compression
- **The SCDS Service Access Agreement (SAA) has been updated to reflect new governance standards**
 - All new subscriptions will use this updated version
 - Existing users need to re-sign this new SAA for each one of their subscriptions

For More Information
on new SCDS
governance see the
September 2023 FAA
SWIM Users Forum
presentation



Re-Signing SAAs

- **SAA Re-signing window is March 25- May 31**
 - The new SAA will be released and available for re-signing on March 25
 - Existing subscriptions that do not have updated SAAs by June 1, 2024 will be disabled
- **Users will receive reminder emails before May 31**

Re-Signing SAAs (cont.)

Directions will
be provided
within the
SWIFT Portal

Data obtained via SWIM Cloud Distribution Service (SCDS) is NOT for OPERATIONAL USE. All data has been pre-approved for public release by the NAS Data Release Board (NDRB).

Subscriptions

Home
Discovery
Subscriptions
Status
Maintenance
Alerts
Community
Reports
Support

ADD SUBSCRIPTION **SERVICE ACCESS AGREEMENT**

SFDPS SWIM Flight Data Publication Service (1 of 4 signed) ^

Agreement	Service	Description	Agreement	Date Signed
SIT Dry Runs En Route Flight and Related Data - Flight FIXM	Flight FIXM	The System-Wide Information Management (SWIM) Flight Data Publication Service (SFDPS) provides en route flight data to National Airspace System (NAS) consumers. SFDPS allows consumers to receive real-time data for analytics, business processes, research, and other activities.	✓	03/07/2023 8:27PM
En Route Flight and Related Data - Airspace AIXM	Airspace AIXM	The System-Wide Information Management (SWIM) Flight Data Publication Service (SFDPS) provides en route flight data to National Airspace System (NAS) consumers. SFDPS allows consumers to receive real-time data for analytics, business processes, research, and other activities.	SIGN	
En Route Flight and Related Data - En Route General Message Publication	En Route General Message Publication	The System-Wide Information Management (SWIM) Flight Data Publication Service (SFDPS) provides en route flight data to National Airspace System (NAS) consumers. SFDPS allows consumers to receive real-time data for analytics, business processes, research, and other activities.	SIGN	
En Route Flight and Related Data - Status	Status	The System-Wide Information Management (SWIM) Flight Data Publication Service (SFDPS) provides en route flight data to National Airspace System (NAS) consumers. SFDPS allows consumers to receive real-time data for analytics, business processes, research, and other activities.	SIGN	

ITWS Integrated Terminal Weather Service (0 of 2 signed) v

AIM FNS (0 of 2 signed) v

STDDS SWIM Terminal Data Distribution System (3 of 5 signed) v

Other SAA Things to Know

- **Annual Updates**

- SAAs are valid for one year, and users are required to update them annually
- Users will receive system-generated email reminders 60 and 30 days before expiration
- Complete this process before the deadline to avoid disruptions in SWIM data services

- **Access Revocation**

- If the SAA is not renewed by its expiration date each year, the associated subscription will be disabled
- If the SAA is not renewed within 60 days of disabling, the subscription will be permanently deleted

Compression is Required!

- **Compressed data connections are now mandatory**
 - Consuming compressed data is the *only authorized method* for obtaining SCDS data
 - Data compression reduces SCDS operational cost by reducing internet bandwidth needs
 - It is Users' responsibility to keep data compression enabled
- **Re-signing the SAA will enable compression automatically if currently disabled**

Am I Already Using Compression?

- **Subscriptions provisioned after 2021 were created with compression enabled**
 - 86% of current users are using compression
 - If you did not manually disable compression it is still enabled
- **The SCDS Team will reach out to Users not using compression**
 - *Moving to compression may require a plan*

Planning for Compression

- **Compression creates higher resource usage**
 - For low data consumers, this increase will be almost imperceptible
 - Large data consumers may notice an increase in resource utilization
- **Possible mitigations**
 - Increasing/adding physical or virtual CPU power to improve decompression speeds
 - Adopting a compression-supported messaging API
 - Adding additional consumer clients to distribute resource usage

Necessary User Actions

- **If compression is currently enabled**
 - Re-sign SAAs between March 25 and May 31
- **If compression is NOT currently enabled**
 - You will be notified
 - Identify and plan for increased resource usage if needed
 - Re-sign SAAs between March 25 and May 31

Resources/Help

- **SCDS Helpdesk**
 - support@cinnato.zendesk.com
- **SWIFT Portal**
 - News Items
 - Community Forum
 - SWIFT Portal Support web form
- **SCDS email distributions**



Other SCDS Updates

Maintenance Events Notifications

- **NASEO will begin providing maintenance event details via the SWIFT Portal**
 - Includes planned and unplanned service outages
- **Users will be able to create notifications for specific services**
- **The ability to set User preferences will be available March 25**
 - Users are encouraged to set up desired notifications then
 - Notifications can be delivered via email, the SWIFT Portal, or both
- **Users will be informed when operational notifications will start.**

Maintenance Events Notifications (cont.)

Maintenance Event Details

Date/Time:

March 07, 2022 starting at 2256 UTC

Event Summary:

UNSCHEDULED OUTAGE NOTIFICATION: NEMS

Service Impact:

Partial Outage

Service Impacts:

- Aeronautical Common Services Post Op Metrics (ACS-POM)
- Aeronautical Common Services WMS (ACS-WMS)
- Aeronautical Common Services WMTS (ACS-WMTS)

Systems:

NEMS

Sites:

ACY, ATL, OEX

Additional Details:

This is emergency unplanned maintenance.

Created: March 07, 2022 2257 UTC 

Last Updated: March 07, 2022 2258 UTC

Last Notification Sent: N/A

[CLOSE](#)

Maintenance

Maintenance > Events

EVENTS

PAST EVENTS



NOTIFICATIONS

Last Refresh: 5:59:03 PM [REFRESH](#)

Active Events

Active Events



All

Type	Service Impact	State	Start Time ↑	End Time	Sites	Systems	Updated	Info
Unscheduled	Partial Outage	-	03/07/2022 2256	-	ACY, ATL, OEX	NEMS	03/07/2022 2258	 

Upcoming Events

Upcoming Events

All

Type	Service Impact	State	Start Time ↑	End Time	Sites	Systems	Updated	Info
Scheduled	Full Outage	-	03/09/2022 0000	03/09/2022 0100	ADW, ANC, CLE	NEMS	-	 

LADD Requirements Reminder

- **The Limiting Aircraft Data Displayed (LADD) program implements federal requirements to provide aircraft owners the ability to have their flight data filtered from SWIM distribution or public display**
- **Users who publicly display data obtained from SWIM are required to apply the LADD filter per the SCDS Service Access Agreement**
 - Research and other non-public use cases are not subject to LADD requirements

FAA Reauthorization Act of 2018

Section 566, Right to Privacy When Using Air Traffic Control System

The Administrator shall, upon request of a private aircraft owner or operator, block the registration number of the aircraft from any public dissemination or display, except in data made available to a Government agency, for the noncommercial flights of the owner or operator.

LADD Requirements Reminder (cont.)

- **The FAA LADD program office distributes a weekly LADD filter file update on Tuesdays before 12pm EST**
 - The LADD list represents those private aircraft owners or operators who have requested privacy on publicly viewable products or services
 - Users must scrub this data from their own data prior to public release
 - Contact Bill Blacker at William.Blacker@faa.gov to be added to the weekly distribution
- **For all questions related to LADD, please email ladd@faa.gov or William.Blacker@faa.gov**

Contact Info



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SCDS Helpdesk

support@cinnato.zendesk.com





NAS Service Registry and Repository (NSRR)

NSRR Two-Factor Authentication

- **Two-Factor Authentication (TFA) is required for all NSRR users by March 31, 2024**
 - System will be inaccessible without TFA
- **Users will perform a one-time configuration of TFA then use the two-step process at each login**

Two-step Login Process

Existing
username and
password

One-time code
from an
authentication
application

NSRR Two-Factor Authentication (cont.)

- **Implementation – One time configuration**

TFA setup - Application

Note: You should delete the old account in your mobile or desktop app before adding this new one.


Install authentication code application on your mobile or desktop device:

[Google Authenticator \(Android/iPhone/BlackBerry\)](#)
[Microsoft Authenticator \(Android/iPhone\)](#)
[GAuth Authenticator \(Firefox OS, desktop, others\)](#)

The two-factor authentication application will be used during this setup and for generating codes during regular authentication. If the application supports it, scan the QR code below to get the setup code otherwise you can manually enter the text code.

3TR2U2QITOSIACEVS3VAWXCQ

Enter this code into your two-factor authentication app or scan the QR code below.



Application verification code *

A verification code will be generated after you scan the above QR code or manually enter the setup code. The verification code is six digits long.

Verify and save

Cancel

Supported Authenticators:

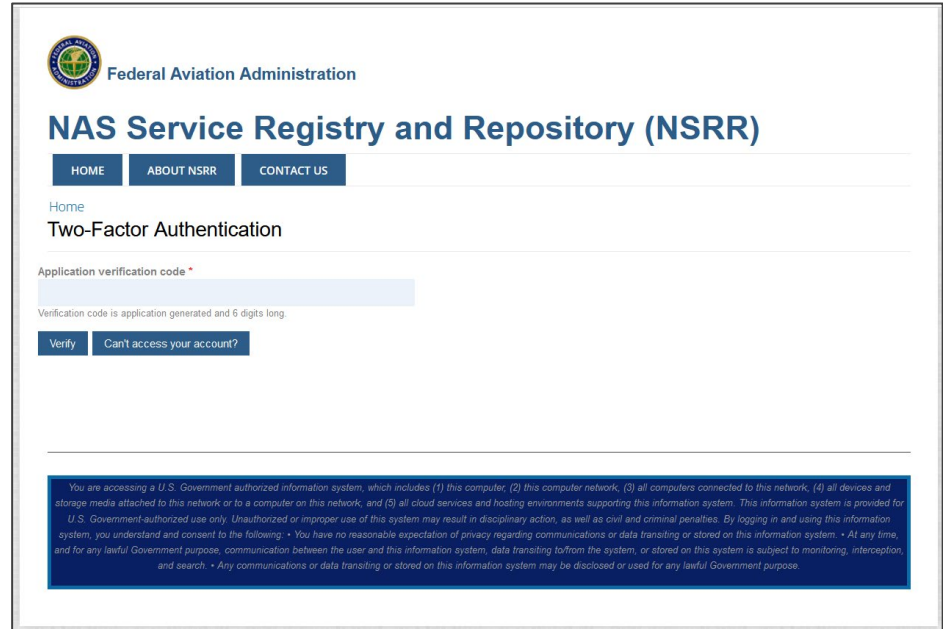
- Microsoft Authenticator (mobile)
- Google Authenticator (mobile)
- GAuth Web Application (desktop)

NSRR Two-Factor Authentication (cont.)

- Implementation – Second step now required after every login



The screenshot shows the homepage of the NAS Service Registry and Repository (NSRR). At the top is the Federal Aviation Administration logo and the title "NAS Service Registry and Repository (NSRR)". Below the title are three navigation buttons: "HOME", "ABOUT NSRR", and "CONTACT US". A large banner image features an airplane flying over a map with the text "Making SWIM services visible, accessible, and understandable". Below the banner are two search buttons: "Search for a service" and "Search for a document". At the bottom, there is a login form with fields for "E-mail or username" (containing "username@email.com") and "Password", a "Log in" button, and links for "Request new account" and "Change password".



The screenshot shows the Two-Factor Authentication page. It features the Federal Aviation Administration logo and the title "NAS Service Registry and Repository (NSRR)". Below the title are three navigation buttons: "HOME", "ABOUT NSRR", and "CONTACT US". The page is titled "Two-Factor Authentication" and includes a section for "Application verification code" with a text input field. Below this, a note states: "Verification code is application generated and 6 digits long." There are two buttons: "Verify" and "Can't access your account?". At the bottom, a blue box contains a disclaimer: "You are accessing a U.S. Government authorized information system, which includes (1) this computer, (2) this computer network, (3) all computers connected to this network, (4) all devices and storage media attached to this network or to a computer on this network, and (5) all cloud services and hosting environments supporting this information system. This information system is provided for U.S. Government-authorized use only. Unauthorized or improper use of this system may result in disciplinary action, as well as civil and criminal penalties. By logging in and using this information system, you understand and consent to the following: • You have no reasonable expectation of privacy regarding communications or data transiting or stored on this information system. • At any time, and for any lawful Government purpose, communication between the user and this information system, data transiting to/from the system, or stored on this system is subject to monitoring, interception, and search. • Any communications or data transiting or stored on this information system may be disclosed or used for any lawful Government purpose."

NSRR Two-Factor Authentication (cont.)

- **Outreach**

- Existing active users will receive an email informing them of this change, along with instructions
- New and reactivated users will receive instructions in the email they receive when they register for the NSRR
- Users can use the *Contact Us* form to ask questions
<https://nsrr.faa.gov/contact>

NSRR Contact Info



Randy Rardin |
NSRR Registry Custodian
NSRR-support@faa.gov



Mark Kaplun |
SWIM Governance Lead
Mark.Kaplun@faa.gov



Contact Us Form |





SWIFT Portal Community Forum

SWIM Users Forum
March 2024



Federal Aviation
Administration

Community Forum Overview

The SWIFT Portal Community Forum is a place to interact with members of the SWIM Community, discuss ideas, and stay up-to-date on the latest news and events.



To get started, visit:

<https://community.swim.faa.gov/>

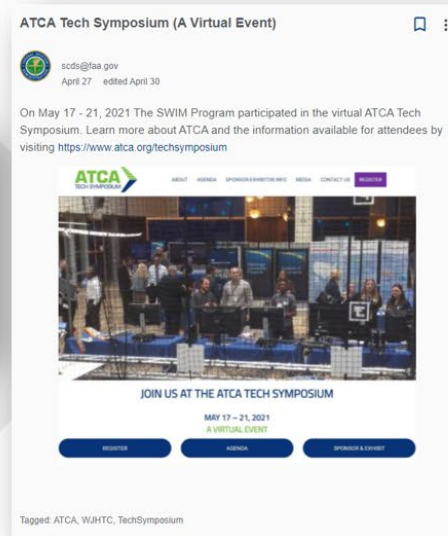
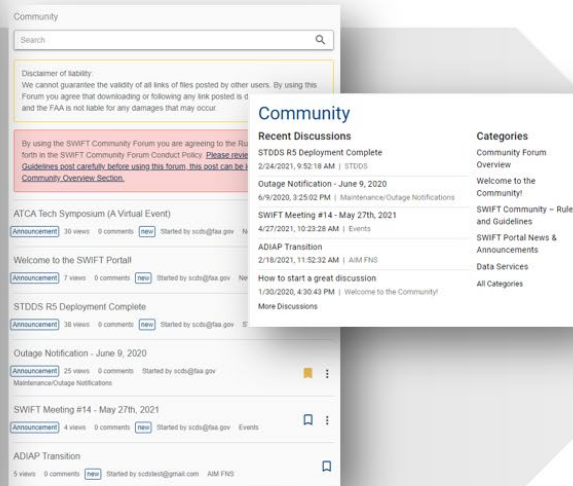
or scan the QR code above

Community Forum



SWIFT Community Forum

Connect with the SWIM community, share knowledge and ideas with the aviation community, and learn what is new with SWIM in the News section of the forum.

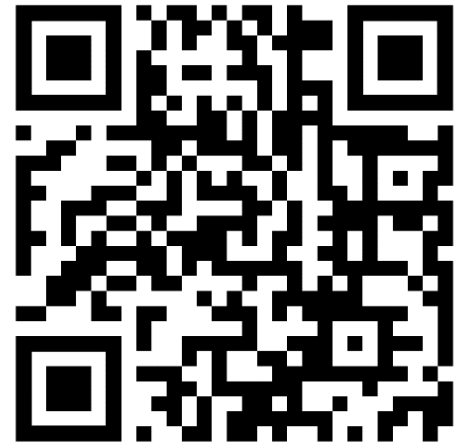


- ✓ News
- ✓ Sharing
- ✓ Knowledge
- ✓ Discussion
- ✓ Ideas
- ✓ Collaboration
- ✓ Community

Learn the latest SWIM news, share your ideas with others and expand the knowledge base
Discuss and collaborate with fellow aviation partners and community members

Get Involved!

- All users are welcome to post questions and/or respond to other users
 - **We strongly encourage you to engage with other Community members through the Community Forum!**
- The SWIM Team actively reviews discussion posts to ensure questions/comments are responded to in a timely manner
- For FAQs, Guides (including Familiarization Videos), or to Ask a Question please visit the SWIFT Portal Support Page
 - <https://support.swim.faa.gov>



2024 User Forum Dates



June 11

September 10

December 3



Thank you for
attending!

SWIM@faa.gov

