

FAA SWIM Users Forum

Presented to: SWIM Users
By: FAA SWIM Program Office
Date: September 10, 2024



**Federal Aviation
Administration**

Agenda

- **SCDS Updates**
- **SWIFT Portal Beyond Subscriptions**
- **SWIM Helpdesk Reminder**
- **SWIFT 22 Announcement**
- **CSS-FD**
- **Feedback Request**



SCDS Updates



SCDS By The Numbers

- As of July 2024, roughly all SCDS users with active subscriptions have re-signed SAAs
- We've had a 26% increase in subscription users since December 2023
- Since enabling compression, SCDS has reduced data egress costs by roughly 26% per user, and 7% per subscription



Thank you!



SCDS Standards Revisited

- **Data Compression**

- Consuming compressed data is the only authorized method for obtaining SCDS data products.

- **JMS-as-Standard**

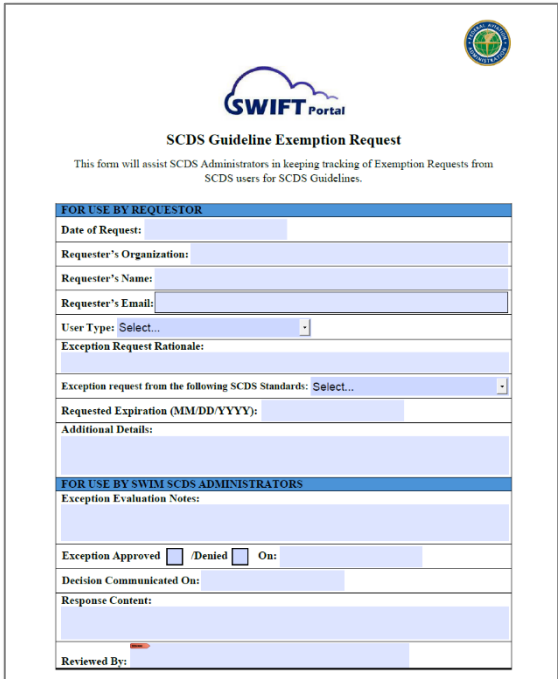
- Users are advised to access SCDS data products using JMS based consumer applications.
- Other consumer applications are not supported by SCDS helpdesk

- **Internal Redistribution**

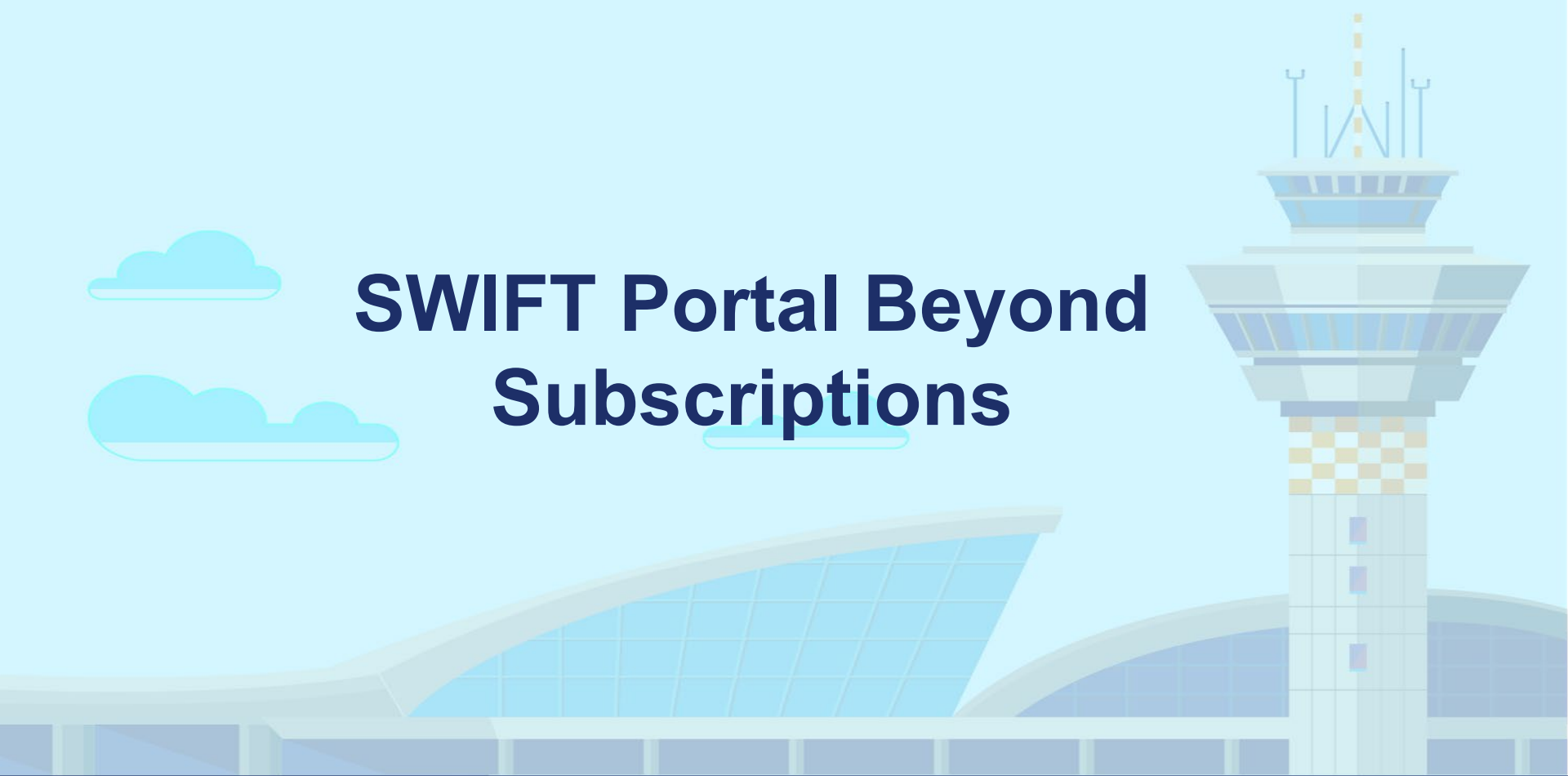
- Users are required to internally distribute SCDS data products within their organization vs. requesting/maintaining duplicate subscriptions.

Enforcement Efforts

- The SCDS team will be **monitoring and reviewing** accounts and subscriptions to ensure adherence to new standards.
- Owners of accounts or subscriptions not adhering to standards will be contacted before any actions are taken.
- Users can submit an **SCDS Guideline Exemption Request** if necessary
 - Requests will be reviewed systematically.



The screenshot shows a web form titled "SCDS Guideline Exemption Request". At the top, there is a "SWIFT Portal" logo and a small circular seal. Below the title, a subtitle reads: "This form will assist SCDS Administrators in keeping tracking of Exemption Requests from SCDS users for SCDS Guidelines." The form is divided into two main sections: "FOR USE BY REQUESTOR" and "FOR USE BY SWIM SCDS ADMINISTRATORS". The "FOR USE BY REQUESTOR" section includes fields for "Date of Request:", "Requester's Organization:", "Requester's Name:", "Requester's Email:", "User Type: Select...", "Exception Request Rationale:", "Exception request from the following SCDS Standards: Select...", and "Requested Expiration (MM/DD/YYYY):". The "FOR USE BY SWIM SCDS ADMINISTRATORS" section includes "Exception Evaluation Notes:", "Exception Approved ☐ / Denied ☐ On:", "Decision Communicated On:", "Response Content:", and "Reviewed By:". The form is designed with a light blue and white color scheme and includes dropdown menus and checkboxes for data entry.



SWIFT Portal Beyond Subscriptions

More Than Just Subscriptions!

- SWIFT Portal features go beyond SCDS subscription access.
- **All SWIM Users**, regardless of connection type, can benefit from Portal capabilities:



DISCOVERY

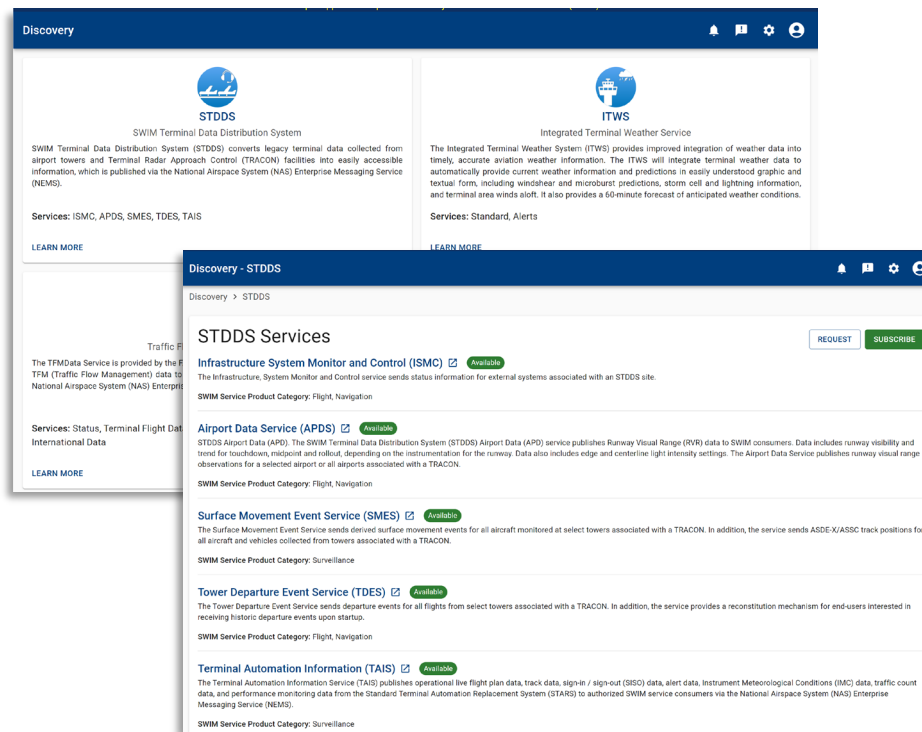
STATUS

MAINTENANCE

COMMUNITY

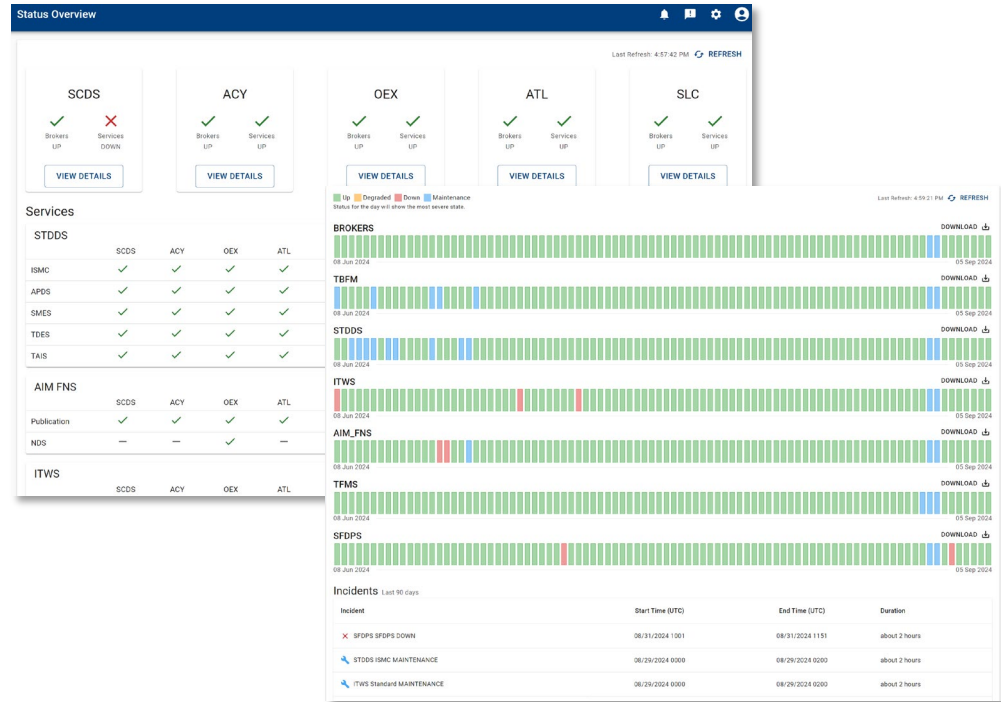
SWIFT Portal Capability: Discovery

- Full product list with service description
- Links to the **NSRR** for service documentation
 - Note: Requires an active NSRR account



SWIFT Portal Capability: Status

- Displays **availability** of products and services
 - NEMS/NESG users can request NEMS node status access from the SCDS Support Team
- View Details* displays a histogram of **service statuses** from a given site (SCDS, ATL, OEX, etc.) and an **incident log** of service maintenance or disruptions



SWIFT Portal Capability: Maintenance

- Displays active and upcoming **maintenance events**
 - Past events are also viewable
- **Notifications** can be set up for most SWIM services and respective sites
- Currently undergoing enhancements

Maintenance Event Details

Date/Time: August 06, 2024 1200 UTC through February 03, 2026 2359 UTC

Event Summary: SCHEDULED

Service Impact: Full Outage

Service Impact: STDDS

Systems: RVR

Sites: MCN

Additional Details: MCN APDS d RMLS Event I # 730551632

Created: Jun Last Updated Last Notification

Maintenance

Maintenance > Events

EVENTS PAST EVENTS NOTIFICATIONS

Last Refresh: 5:01:03 PM REFRESH

Active Events

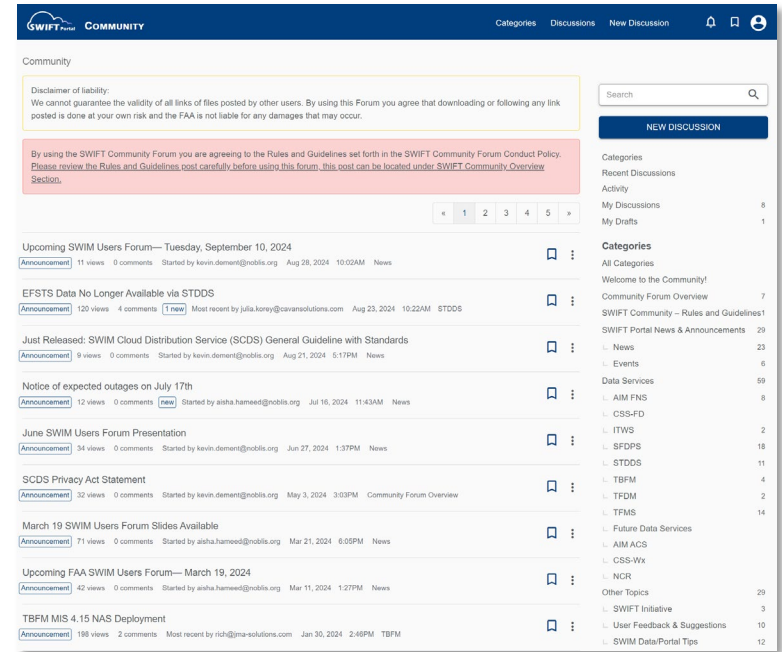
Type	Service Impact	State	Start Time ↑	End Time	Sites	Systems	Updated	Info
Scheduled	Reduced Service	Initial Notification	02/09/2024 1530	11/15/2024 2359	TWO	RVR	-	ⓘ ⋮
Scheduled	Full Outage	Initial Notification	06/01/2024 0030	12/18/2028 2200	GJT	RVR	-	ⓘ ⋮
Unscheduled	Partial Outage	Initial Notification	06/20/2024 1025	-	ATL	RVR	-	ⓘ ⋮
Unscheduled	Reduced Service	Initial Notification	08/27/2024 1958	-	DSM	RVR	-	ⓘ ⋮


Upcoming Events

No Upcoming Maintenance Events

SWIFT Portal Capability: Community

- Channels for **specific products or data services** help users connect and collaborate on common interests
 - Discussions can be broader than SCDS





SWIM Helpdesk Reminder

SWIM Helpdesk Reminder

POC for Operational Issues	POC for FNTB Dev/Test Issues
9-ATO-SECC-OPS@faa.gov 1-855-322-6362 Option 3, Option 4	Coordinate with SWIM POC

If you are unsure who your SWIM POC is, please reach out to SWIM@faa.gov.

Issue reporting and tracking improvements
will be shared in November at **SWIFT 22**

SWIFT 22



SWIFT 22

- **November 21, 2024**
- **Location TBD**



www.faa.gov/air_traffic/technology/swim/swift/

CSS-FD



CSS-FD and SWIFT

- **CSS-FD will present at SWIFT 22 in November 2024.**
- **Our additional CSS-FD collaboration series will:**
 - Introduce CSS-FD's capabilities
 - Highlight changes that will impact NAS stakeholders
 - Highlight how the system will interact with TFMS and FMDS as we transition to the future model.
 - Present the harmonization efforts of FF-ICE concepts with Euro Control and other ANSP's as they begin FF-ICE implementation planning
- **This series will include four initial meetings and may expand based on user feedback:**
 - Meeting 1 – CSS-FD Introduction
 - Meeting 2 – CSS-FD and TFMS
 - Meeting 3 – CSS-FD and FMDS
 - Meeting 4 – CSS-FD and EuroControl



CSS-FD Website

- **CSS-FD Website Link:**

[Common Support Services - Flight Data \(CSS-FD\) | Federal Aviation Administration \(faa.gov\)](https://www.faa.gov/css-fd)



SWIM Program Overview
SWIM Capabilities >
Enterprise Service Monitoring (ESM)
Identity and Access Management (IAM)
SWIM Terminal Data Distribution System (STDDS)
SWIM Flight Data Publication Service (SFDPS)
Common Support Services - Flight Data (CSS-FD)
Getting Access to SWIM
SWIFT
SWIM Governance
SWIM Users Forum



CSS-FD

Common Support Services - Flight Data



What is CSS-FD?

CSS-FD is the set of services that will deliver enhanced flight data management, flight planning and flight plan filing in accordance with ICAO global standards (DOC 9965 – Manual on Flight and Flow – Information for a Collaborative Environment (FF-ICE)).

- CSS-FD is a cornerstone for the info-centric National Airspace System (NAS) and supports Performance Based Operations (PBO)
- CSS-FD and FF-ICE will enable the harmonization between operators and Air Service Providers (ASPs) across the globe
- CSS-FD establishes a standards-based flight planning and filing environment and enhances collaborative decision

CSS-FD & The Community Forum

- **SWIFT Portal**

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



- **CSS-FD Community Forum**
(sign-in required)



<https://community.swim.faa.gov/categories/css-fd>

CSS-FD Collaboration Space



lucas.a.curns@faa.gov
Sep 6, 2024 3:23PM edited Sep 6, 2024 3:28PM Flag



CSS-FD

Common Support Services - Flight Data

The SWIM Community Forum is excited to introduce Common Support Services – Flight Data (CSS-FD). CSS-FD is the set of services that will deliver enhanced flight data management, flight planning and flight plan filing in accordance with ICAO global standards (DOC 9965 – Manual on Flight and Flow – Information for a Collaborative Environment (FF-ICE)). As the CSS-FD project lead, I'm excited to see the inclusion of CSS-FD in the SWIFT Community Forum and look forward to discussions and questions from the community.

CSS-FD will share information and updates here and be sure to check out our public FAA website for the latest updates on the Program. https://www.faa.gov/air_traffic/technology/swim/common-support-services-flight-data-css-fd

We look forward to collaborating with all our stakeholders. Please use this forum to submit questions and interact with other interested parties.



My Discussions

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All Categories

Welcome to the Community!

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SWIFT Community – Rules and Guidelines

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AIM FNS

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CSS-FD

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ITWS

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SFDPS

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TFMS

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Future Data Services

AIM ACS

CSS-Wx

NCR

Other Topics

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SWIFT Initiative

3

Feedback Request





SWIM Users Forum
Sept 10, 2024



2024 User Forum Dates



~~June 11~~

~~September 10~~

December 3



Thank you for
attending!

SWIM@faa.gov



https://www.faa.gov/air_traffic/technology/swim/users_forum