

Minutes of the Federal Aviation Administration (FAA) System Wide Information Management (SWIM) Industry Collaboration Workshop and SWIM Industry-FAA Team (SWIFT) Meeting #16

November 10, 2021

1. Virtual Session & Registration:

1.1. The meeting was held online, via Microsoft Teams Webinar conferencing system on November 10, 2021 at 12:30pm ET.

2. Introduction/Welcome:

2.1. Welcoming Remarks – Mark DeNicuolo, Dan Hicok, Joshua Gustin, and Rob Goldman.

2.2. Mark DeNicuolo opened the welcome portion of the event by thanking everyone that was a part of the SWIFT forum. Mark also took a few moments to highlight specific agenda topics that he believed would be of particular interest to the SWIFT attendees. Mark concluded his introductions by introducing Mr. Dan Hicok.

2.3. Dan Hicok welcomed the attendees and briefly described his role in the FAA as the Acting Deputy Vice President for the Program Management Office (PMO). Dan celebrated SWIFT's 4th birthday and gave a shout of thanks and excitement to be a part of the SWIFT forum.

2.4. Joshua Gustin shared that he wants to maintain SWIFT momentum and encouraged everyone to engage in areas that spark their interest. Joshua concluded his remarks re-affirming the SWIFT agenda is structured based on community feedback, again highlighting how important the community is to the event. Joshua gave a shoutout “Happy 4th Birthday” to the SWIFT initiative and stated that it is hard to believe how much the SWIFT has grown and expanded in the short time of 4 years and hopes to see this growth and expansion continue.

2.5. Rob Goldman expressed his many thanks to the SWIFT community and reinforced how great the collaborative spirit has been with all parties.

3. SWIFT Update: David Almeida – (LS Technologies)

3.1. David continued to thank all attendees for joining the virtual SWIFT and highlighted the attendee registration count of over 300 people. David provided quick data points on attendees, 71 of whom were new to SWIFT.

4. Announcements: David Almeida – (LS Technologies) and Jeri Groce (FAA)

4.1. David informed the SWIFT attendees of the latest Traffic Flow Management System (TFMS) monthly technical meeting. David also shared the latest release package R14 was successfully deployed October 23, 2021.

4.2. Jeri Groce informed the SWIFT attendees of the Notification to Airmen Application Programming Interface (NOTAMS API) latest status and overview for those new to the SWIFT event. Jeri shared details on the initiative and provide a link referenced below to learn more about the NOTAMS API effort and to register for access if interested.

4.2.1. <https://api.faa.gov>

5. SWIFT Focus Group: Operational Context & Use Case Documentation Updates: Ray Mitchell – (LS Technologies)

5.1. Ray previewed current Operational Context Document status and highlighted those planned for release in the next month. He concluded the presentation by providing contact information for those who may be interested in joining the focus group.

6. SWIFT Operational Issues Focus Group Update: Chris Gottlieb – (JetBlue) and Lucas Curns (Noblis)

6.1. Chris provided attendees with a recap of the currently prioritized issues for the focus group, highlighting those that are active. Chris concluded his portion of the presentation by providing a recap on the Common Support Services Flight Data (CSS-FD) – Flight Planning over IP initiative and soliciting attendees to join the focus group.

6.2. Lucas provided an update on the CSS-FD Risk Reduction Activity (RRA), informing attendees of the current plan and timeline. Lucas also provided a link to the RRA participation and information site. Link provided below:

6.2.1. <https://sam.gov/opp/83d1d017abe94f238935f0d627603b78/view>

7. SWIFT Development and Analytics Focus Group: Ray Mitchell (LS Technologies) & Mike Jagmin – (United Airlines)

7.1. Ray provided a recap on the background and purpose of the focus group, along with an update on the TBFM Delay & TBFM Working Group. He informed the attendees the effort is ongoing and will most likely continue into the new year 2022. The Focus Group has identified several enhancements aimed at providing resolution to TBFM Delay initiative. Mike and Ray concluded the presentation by sharing ideas on new initiatives that the focus group may dive into in addition to closing out the TBFM Delay Initiative.

8. SWIFT Update: NY Area Study on Early Planning for Disruptions: Chris Gottlieb – (JetBlue), Mark Hopkins and Xavier Pratt – (LS Technologies)

8.1. Chris opened the discussion with a recap on the previous activities that have been underway since SWIFT 15.

8.2. Mark, Xavier, and Chris provided status on the case study and the project timeline. They shared a sneak peek into some of the data visualization that Chris has been developing in support of the case study. The trio concluded the presentation with next step activities that the team is hopeful to make significant progress against before SWIFT 17 scheduled for early 2022.

9. NAS Program: Terminal Flight Data Manager (TFDM): Program Status and Data Elements for Trajectory Based Operations (TBO): Doug Swol, and Lidiya Gavrilenko – (FAA)

9.1. Doug provided status updates on TFDM which included a TFDM overview, TFDM system displays, facilities affected, internal and external interfaces, a planned TFDM site map, and the overall program status. Doug provided insights on Build 1 (key site - PHX) and Build 2 (key site - CLT) as well as the targeted deployment schedule slated for January of 2022.

9.2. Lidiya provided attendees with a deep dive into TFDM data elements that support TBO. She highlighted several data elements and provided details on data sources and potential ways to leverage the data provided. The presentation concluded with questions and answers (please see link to companion document: [SWIFT 16 QA documentation](#)).

10. Special Topic: Automation Evolution Strategy (AES): Summer Guerrero and Chris Burdick (FAA)

10.1. Summer opened the AES discussion with an overview of the scope and background information. She also shared insights into the driving force behind the desire to modernize the NAS automation and architecture. Summer provided a very detailed walk through of Service-Based Architecture, describing each layer and potential benefits to the end users.

10.2. Chris Burdick provided several insights into potential benefits of AES in which the SWIFT community could leverage. Chris and Summer concluded the presentation with next steps for AES looking toward 2022.

11. SWIM Web: SWIM Cloud Distribution System (SCDS), SWIFT Portal and Enhanced SWIM Cloud Service (ESCS): Michael Pozsgay (FAA), Alexander Murray (Noblis), and Ray Mitchell (LS Technologies)

11.1. Michael Pozsgay opened the discussion for the SWIM Web topic with a quick recap on SCDS. He informed those who may have been new to the SWIFT events, about SCDS's current product release, highlighting key capabilities that are expected to improve user experience. Michael also shared the SWIFT Portal user growth statistics and the improvements to connection time that SCDS has been able to provide.

11.1.1. Alexander Murray provided a deep dive live demonstration of SCDS and the portal, showcasing the key capabilities and new features.

11.1.2. Ray Mitchell provided a quick briefing on ESCS – informing the SWIFT attendees of the new service, expected capabilities, the key differences between ESCS and SCDS. He also shared program status and previewed the notational timeframe for deployment of ESCS. Ray concluded the presentation on ESCS by alerting the SWIFT member of the ESCS Benefit Evaluation and outreach activities geared to start in the near-term future.

12. Special Topic: Cloud and You: Chris Pressler (FAA)

12.1. Chris opened the presentation for 'Cloud and You' by introducing the NAS Cloud Integration Service (NCIS). Chris also informed the SWIFT attendees of the goals and current activities that the NCIS team have underway. He shared the infrastructural differences between SCDS and ESCS, with special focus on Trusted Internet Connection (TIC3.0). Chris concluded his presentation by forecasting tomorrow's expectations, covering the benefits of TIC3.0 and NAS Cloud benefits.

13. SWIFT Topic: Information Service Roadmap: Xavier Pratt (LS Technologies)

14. David Almeida provided a brief introduction and level set for the Information Services Roadmap presentation. Xavier shared the latest updates to several of the SWIM producer programs, spotlighting deployment status and milestone dates. Xavier concluded the presentation by informing the audience that the roadmap is a living document, as updates from the producer program are received the roadmap will adjust accordingly.

15. Closing Remarks

15.1. Closing remarks were provided by Joshua, Stefanie Calabrese, and David. The trio collectively highlighted topics from the event that generated interactive conversation between attendees and presenters. They thanked the volunteer community for their support. In conclusion of SWIFT 16, David informed attendees of the next SWIFT event (SWIFT 17) which will be scheduled for March 2022.

16. Meeting Adjourned

Appendix A: SWIM Industry-FAA Team (SWIFT) Meeting #16 Attendees – November 10, 2021

Please note due to large number of attendees a link with attendee data can be provided as requested/required.