

Minutes of the Federal Aviation Administration (FAA) System Wide Information Management (SWIM) Industry Collaboration Workshop and SWIM Industry-FAA Team (SWIFT) Meeting #15

August 19th, 2021

1. Virtual Session & Registration:

1.1. The meeting was held online, via Zoom conferencing system on August 19th at 12:30pm EDT.

2. Introduction/Welcome:

2.1. Welcoming Remarks – Amy Dusky, Kimberly Pyle, Joshua Gustin, Rob Goldman, and Stefanie Calabrese.

2.2. Amy Gusky opened the welcome portion of the event by thanking everyone that was a part of the SWIFT forum, acknowledge the “return to normal” as we are starting to see the country open up again.

2.3. Kimberly Pyle represented the FAA Air Traffic Organization (ATO) as the Data Champion. She shared with SWIFT attendees that the ATO is starting to use predict analytics to solve business problems, and that a major part of her role is to advocate for technology governance, and data analytics.

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.

2.5. Rob Goldman provided remarks on the expansion of the airline industry seeing new technology and innovations such as drones, and space flights, all pointing to the fact that data integration is key. Rob concluded his remarks with sharing the industry is seeking measurable benefits; SWIFT is engaged with coordinating with Operational Data to achieve benefits.

2.6. Stefanie Calabrese expressed her many thanks to the SWIFT attendees, for their dedication, commitment, and continued interest in the SWIFT forum closing out the opening remarks portion of the event.

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, 52 of which were new to the SWIFT.

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

4.1. Ray previewed current Operational Context Document status and highlighted those planned for release in the next month. Ray also provided attendees with information on several of the Operational Context Documents that focus on SWIM Weather programs.

5. SWIFT Operational Issues Focus Group Update: Chris Gottlieb – (JetBlue)

- 5.1. Chris provided attendees with a recap of the focus group currently prioritized issues highlighting those that are active. He also provided a summary of the Flight Planning over IP activities and previewed next steps for the initiative.
- 6. SWIFT Development and Analytics Focus Group: Erin Cobbett – (Delta Airlines) & Mike Jagmin – (United Airlines)**
 - 6.1. Erin and Mike provided a recap on background and purpose of the focus group. They concluded their presentation with a status update of the TBFM SPRINT 2 – highlighting the continued collaboration between the TBFM producer team and the airlines.
- 7. NAS Program: Common Support Service - Weather (CSS-Wx) & NextGen Weather Processor (NWP) Updates: William Brown - (FAA)**
 - 7.1. William provided status updates on both CSS-Wx and the NWP. William walked attendees through the technical infrastructure that allows CSS-Wx and NWP to store, distribute, and transform the various weather feeds into a more streamline product. William concluded his presentation by sharing the expected deployment dates for both programs.
 - 7.2. Throughout the CSS-Wx & NWP presentation, questions were addressed and captured in the companion document: [SWIFT 15 QA documentation](#).
- 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 up the discussion with a recap on the previous activities that have been underway since SWIFT 14.
 - 8.2. Mark, Xavier, and Chris provided current status of the case study and the project timeline. They concluded the presentation with the next steps and solicited attendees to join the effort.
- 9. Special Topic: Insights into Trajectories & Supplemental SWIM Capabilities**
 - 9.1. Weather Information Services Update – Integrated Terminal Weather Services (ITWS) – Tony Colon & Shane Kent (Volpe)**
 - 9.1.1. Tony opened up the ITWS discussion with an overview of the service and background information. Shane provided the audience with a detailed look into the data that ITWS provides and how it can support SWIFT stakeholders. Shane concluded the presentation by sharing the various products that are offered via ITWS.
 - 9.2. SWIFT WINDS: United Developed Widget leveraging ITWS – Mike Jagmin (United Airlines)**
 - 9.2.1. Mike opened his discussion with a recap of the design for the SWIFT Winds widget that utilizes ITWS data to show weather conditions at various airports of interest. Mike concluded his presentation with a live demonstration of the widget.
 - 9.3. SWIM Flight Data Publication Service (SFDPS) Operational Context Document Review – Xavier Pratt - (LS Technologies)**
 - 9.3.1. Xavier shared information on the SFDPS Operational Context Document in which he highlighted key data elements that support weather information and those that will be leveraged to support the New York Area Case Study.
 - 9.4. NAS Common Reference (NCR) - Stefanie Calabrese (FAA) & Patrick Sheridan - (Volpe).**
 - 9.4.1. Stefanie opened the discussion by providing an overview on NCR and background information. Patrick walked the attendees through three use cases that were developed base off of SWIFT user feedback. Patrick also provided exciting demonstration of NCR and open

source methodologies that showcase the Art of Possible when it comes to data and visualizations. Stefanie and Patrick concluded the NCR presentation by sharing some of the next steps for the program and a general question and answer session. More details are captured in the companion document: [SWIFT 15 QA documentation](#).

10. SWIFT Topic: Information Services Roadmap Update, Xavier Pratt (LS Technologies)

10.1. Due to time constraints during SWIFT 15, this Topic will be covered at SWIFT 16.

11. Closing Remarks

11.1. Closing remarks were provided by Joshua, Stefanie, Rob, and David who collectively highlighted topics from the event that sparked interactive conversation. The collective panelist thanked volunteer community for all of their support, whether it is direct involvement in one of the focus groups, case study, or providing input during the SWIFT events – the support is much appreciated. In conclusion of SWIFT 15, David informed attendees the next SWIFT event (SWIFT 16), will be scheduled for November 10th, 2021.

12. Meeting Adjourned

Appendix A : SWIM Industry - FAA Team (SWIFT) Meeting #15 Attendees – August 19, 2021

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