Minutes of the Federal Aviation Administration (FAA) System Wide Information Management (SWIM) Industry Collaboration Workshop and Full SWIM Industry-FAA Team (SWIFT) Meeting #11

August 19th, 2020

Zoom Conferencing System Virtual Event

1. **Virtual Session & Registration:**
   1.1. The meeting was held online, via Zoom conferencing system on August 19th at 12:30pm. The 3.5-hour event was called to order by Josh Gustin, FAA Communications, Information, and Network Programs (CINP) Group Manager within the Program Management Organization (PMO).

2. **Introduction/Welcome:**
   2.1. Welcoming Remarks – Josh Gustin, Felisa White, Stefanie Calabrese, Rob Goldman, and David Almeida.
   2.2. Thank the attendees for their continued excitement and participation of the SWIFT forum. Informed the audience of Felisa White exiting SWIFT and the role of SWIFT Chair, along with introducing Stefanie Calabrese as the new SWIFT Chair.

3. **SWIFT Update – (David Almeida – LS Technologies)**
   3.1. David continued to thank all of the attendees for joining the virtual SWIFT and highlighted the attendee registration count of 215 people. David provided some quick data points on attendees including that 50 were new to SWIFT and had never attended before.

4. **SWIFT Operational Issues Focus Group Update: (Chris Gottlieb – JetBlue)**
   4.1. Provided the audience with a quick reminder of the operational issues focus group main objective - identifying and resolving NAS wide Goals that were previously never resolved from previous SWIFT engagement due to limited resources. Informed the audience of current activities from the group to include furthering the conversation from SWIFT 10, in which the Honeycomb Uber 3 technology demo via MITRE was first previewed show casing the ability to view airport surface data, and route constraints, deviations. Chris also provide another status update on the new operational issue that was escalated for investigating, Flight Planning and modernization. The group plans to resume those initial planning meetings to continue efforts to deep dive into the issue.

5. **SWIFT Development and Analytics Focus Group: (Erin Cobbett – Delta)**
   5.1. Provided the audience similarly as Chris Gottlieb did a quick reminder of the Development & Analytics Focus Group - collaborative effort between the two focus groups Development/Analytics and the Operational Issues Focus Group to share information to ensure the right solutions are investigated and ultimately developed. Erin informed the audience at a high level of the status of current SPRINT 2 TBFM Delay activities, this is a continuation of efforts to investigate solutions and improve data interpretation. This effort has involved Several hundred hours of volunteer time were contributed during Sprint and the team plans to out brief the larger full Development & Analytics Group asap. Erin concluded with informing the audience of the next meeting, scheduled for the week of August 31st.

6. **SWIFT Focus Group: Operational Context & Use Case Documentation Updates – (David Almeida, – LS Technologies)**
   6.1.1. Previewed current status of deliverables and those planned for release in the next couple of months. Informed the attendees that Terminal Flight Data Management (TFDM) Terminal Procedures Publication (TPP) Use Case documentation continues to be developed and

should be delivered soon. SWIFT Operational Context and Use Case documents can be found at: https://nsrr.faa.gov/library. For more information contact: Ray Mitchell, Email: ray.mitchell@lstechllc.com.

7. **Special Topic: Update on Key Data Standards Flight Information eXchange Model (FIXM) (Kelly Mulholland (FAA)**
   7.1. Kelly provided background information on FIXM, highlighting FIXM apps and message support, FIXM Core, which is governed international and endorsed by FIX Change Control Board (CCB). Kelly informed the audience of FIXM Core's current version v4.2.0 released in February 2020 and concluded with announcing the FIXM Workshop 2020 virtual sessions (4) starting on 12/7/20 and ending on 12/10/20, registration: FIXM Virtual Workshop 2020, for more information and agenda please see FIXM Work Area ("FIXM Virtual Workshop 7-10 December 2020" folder). This session will include discussions on FIXM Core v4.2.0 overview, Implementation example, lessons learned, and FIXM Extensions.

8. **Producer Program: Time Based Flow Management (TBFM) (Bob Tyo (FAA), Yong Li (FAA)**
   8.1. Bob Tyo provided background information on TBFM, with a look into the leadership team model along with informing the audience that the team has been in this capacity over the last seven years, with a special focus on regional integration. During the regional integration, the focus was "Right Tools, Right Place, Right Time". The worst thing to do is a waterfall, let's not force fit tools everywhere. Goal is to achieve a holistic operational balance.
   8.2. **Metering Information Service (MIS)**
       8.2.1. Yong Li provided background information for MIS - follows a "publish/subscribe" messaging model. The MIS employs single interface to NAS Enterprise Messaging Service (NEMS) using Java Messaging Service Description Document (JMSDD). Yong also described the current MIS data categories including Aircraft Information, Configuration Information, Adaptation Information, Synchronization and Status Group. Yong also informed the audience of some key MIS updates that comprise release 4.12 (e.g. Versioning, Departure Airport. etc.) Introduced Terminal Flight Data Manager (TFDM) Terminal Publication (TTP) and concluded with some key changes to the JMSDD for TFDM TTP.

9. **Special Topic: Innovation in User Experience from Traffic Flow Management System (TFMS) Robert Mount (FAA), Karen Bohannon (FAA)**
   9.1. Robert provided background and the objective(s) behind the initiative to redesign fly.gov website:
       - Investigate new techniques to release faster and provide more user value
       - investigate user-centered design to enable capture of relevant needs through rapid user feedback sessions
       - design a platform to be used as the infrastructure to support future applications; and
       - enable expertise within the FAA to continue further development. Robert reminded the audience of the current system layout and design.
   9.2. Karen continued the discussion with the process that was leveraged to design the current prototype and redesign of fly.gov. The current process focused on several key methods – Build, Learn and Measure. Karen informed the audience during this process the team conducted interviews with various stakeholders, end users, and technical Subject Matter Experts (SMEs). Karen then switch over to a live demo of the protype lead by Justin Prasai and Hawar Muhammad. Karen and team concluded with offering the audience to provide feedback/sign up for an interview via fly-faa@faa.gov.

10. **SWIM Capability: NAS Common Reference (NCR) Update & Demonstration Kristin Cropf (FAA)**

   10.1.   Kristin provided background information on NCR - NAS Common Reference (NCR), informing the audience that it is a new SWIM program, and will be available in Q2 in CY2021, subject to COVID impacts. NCR is a NAS Program that provides SWIM services for parsing, storing, and correlating NAS data, this service leverages SWIM compliant infrastructure and interface standards. Kristin and her team also provided a demo show-casing the capabilities features, specifically those features that allow users to evaluate routes and present constraints.

11. **Closing Remarks**

   11.1.   Josh and David expressed continued appreciate to the solely volunteer community that makes SWIFT so very successful and thanked all the presenters. David informed the audience of the next SWIFT event, scheduled for November 19th, 2020.

12. **Meeting Adjourned**

Appendix A: SWIM Industry - FAA Team (SWIFT) Meeting #11 Attendees –August 19, 2020

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