

SWIM Interactive Developer Workshop Agenda

21st – 23rd June

The following agenda outlines sessions held within the Main Auditorium, Learner Track and Challenge Track working areas. Whilst the Learner Track will be guided and assisted, the Challenge Track offers independence to develop SWIM applications based on the challenges posed on Day 1. Both tracks may attend sessions held in any of the other areas. Sessions will be interactive and participants will have the opportunity for Q and As throughout the workshop.

Day 1 (06/21/2016) – SWIM Feed Workshops & Development

Time	Agenda Item		
	Main Auditorium	Learner Track	Challenge Track
8:00 – 9:00	Check-In and Morning Coffee Networking Participant check-in and networking opportunity with coffee and pastries. <i>Lead: All participants</i>		
9:00 – 9:30	Welcome, Support Team Introductions & Workshop Logistics Workshop introduction, goals and logistics. High-level introduction to learner and challenge track objectives. Introductions to support team. <i>Lead: FAA (Jon Standley / Jeri Groce) / Volpe (Ann Aylward / Jim Hill)</i>		
9:30 – 10:00	Introduction to SWIM and Solace An introduction to: <ul style="list-style-type: none"> • Feeds available at the workshop. • Access mechanisms. <i>Lead: Noblis (Alex Murray)</i>		
10:00 – 10:30	A Day in the Life of a Dispatcher A description of the operationally inspired challenges to be solved in the workshop and an initial plan to achieve them. <i>Lead: Don Wolford</i>		
10:30 – 10:45	Morning Break		
10:45 – 11:15		Lightning Round Introductions Brief introductions provided by participants: <ul style="list-style-type: none"> • Who are you? • What do you want to get out of the workshop? • What is the project/idea you have been exploring? <i>Lead: Snowflake (Nadine Alameh)</i>	Lightning Round Introductions Brief introductions provided by participants: <ul style="list-style-type: none"> • Who are you? • What do you want to get out of the workshop? • What is the project/idea you have been exploring? <i>Lead: FAA (Jon Standley)</i>
11:20 – 12:00	TFM Introduction and Schema Exploration An introduction to the TFM feed and schema walk-through. <i>Lead: FAA (Paul Losee)</i>		
12:00 – 13:00	Lunch Break (On Your Own)		

13:00 – 14:30		Guided Development Time - TFM Guided exercise or open time to connect to and consume data from the TFM SWIM feed. <i>Lead: Snowflake (All)</i>	Challenge Overview and Development Time Overview of operational challenges to be worked towards throughout the workshop and development time. <i>Lead: Don Wolford / Snowflake (All)</i>
14:30 – 15:00	Afternoon Break		
15:00 – 15:15	Introduction to STDDS Introduction to the STDDS SWIM feed. <i>Lead: Flatirons Solutions (Adriana King / Brian Love)</i>	Development Time Open development time. <i>Lead: Snowflake (All)</i>	Development Check-In Check-in to discuss challenge progress. <i>Lead: Snowflake / Don Wolford</i>
15:15 – 15:30			Development Time
15:30 – 16:45		Guided Development Time - STDDS Guided exercise or open time to connect to and consume data from the STDDS SWIM feed. <i>Lead: Snowflake (All)</i>	Open development time for working towards the operational challenges. <i>Lead: Snowflake (All)</i>
16:50 – 17:00	Daily Recap and Round-Up Summary of activities for the day. Plans for Day 2. <i>Lead: FAA (Jon Standley)</i>		

Day 2 (06/22/2016) – SWIM Feed Workshops & Development

Time	Agenda Item		
	Main Auditorium	Learner Track	Challenge Track
8:00 – 9:00	Check-In and Morning Coffee Networking Participant check-in and networking opportunity with coffee and pastries. <i>Lead: All participants</i>		
9:00 – 9:10	Day 2 Welcome Welcome back, high level introduction to sessions throughout the day. <i>Lead: FAA (Jon Standley / Chris Pressler)</i>		
9:10 – 9:45	Introduction to SFDPS Introduction to the SFDPS SWIM feed. <i>Lead: Volpe (George Curley)</i>	Development Time Open development time. <i>Lead: Snowflake (All)</i>	Development Time Open development time for working towards the operational challenges. <i>Lead: Snowflake (All)</i>
9:45 – 10:30	Big Data Analytics using SWIM SFDPS Data Step-by-step example of data analysis using SFDPS data to understand aspects of flight and track data. <i>Lead: Volpe (Ram Raju)</i>	Guided Development Time - SFDPS Guided exercise or open time to connect to and consume data from the SFDPS SWIM feed. <i>Lead: Snowflake (All)</i>	Development Time Open development time for working towards the operational challenges. <i>Lead: Snowflake (All)</i>
10:30 – 11:00			
11:00 – 11:15	Morning Break		
11:15 – 11:30	Introduction to FNS-NDS, NOTAMs and AIXM Introduction to the FNS-NDS SWIM feed, NOTAMs and AIXM. <i>Lead: Snowflake (Tom Forbes)</i>	Development Time Open development time. <i>Lead: Snowflake (All)</i>	Development Check-In Check-in to discuss challenge progress. <i>Lead: Snowflake / Don Wolford</i>
11:30 – 12:00			Development Time Open development time for working towards the operational challenges. <i>Lead: Snowflake (All)</i>
12:00 – 13:00	Lunch Break (On Your Own)		
13:00 – 14:30		Guided Development Time - FNS-NDS Guided exercise or open time to connect to and consume data from the FNS-NDS SWIM feed. <i>Lead: Snowflake (All)</i>	Development Time Open development time for working towards the operational challenges. <i>Lead: Snowflake (All)</i>
14:30 – 15:00	Afternoon Break		
15:00 – 15:15	Introduction to ITWS Weather Feed Introduction to the ITWS feed. <i>Lead: Snowflake (Jarrod Lichty)</i>	Development Time Open development time. <i>Lead: Snowflake (All)</i>	Development Check-In Check-in to discuss challenge progress. <i>Lead: Snowflake / Don Wolford</i>
15:15 – 15:30			Development Time Open development time for working towards the operational challenges. <i>Lead: Snowflake (All)</i>
15:30 – 16:45		Guided Development Time - Wx Feeds Guided exercise or open time to connect to and consume data from the ITWS SWIM feed. <i>Lead: Snowflake (All)</i>	Development Time Open development time for working towards the operational challenges. <i>Lead: Snowflake (All)</i>
16:50 – 17:00	Daily Recap and Round-Up Summary of activities for the day. Plans for Day 3. <i>Lead: FAA (Jon Standley)</i>		

Day 3 (06/23/2016) – Development & Participant Showcases

Time	Agenda Item		
	Main Auditorium	Learner Track	Challenge Track
8:00 – 9:00	Check-In and Morning Coffee Networking Participant check-in and networking opportunity with coffee and pastries. <i>Lead: All participants</i>		
9:00 – 9:15	Day 3 Welcome Welcome back, high level introduction to workshops throughout the day. <i>Lead: FAA (Jon Standley)</i>		
9:20 – 11:00		Open Development - All Feeds Final time for development related to all feeds. <i>Lead: Snowflake (All)</i>	Development Time Open development time for working towards the operational challenges. <i>Lead: Snowflake (All)</i>
11:00 – 11:15	Morning Break		
11:15 – 12:00		Final Development - All Feeds Final development and preparation time for developer highlights. <i>Lead: Snowflake (All)</i>	Final Development and Showcase Preparation - All Feeds Final development and preparation time for developer demonstrations and showcases. <i>Lead: Snowflake (All)</i>
12:00 – 13:00	Lunch Break (On Your Own)		
13:00 – 14:00	Highlights from the Learner Track Highlights from the Learner Track. <i>Lead: FAA (Jon Standley) / Snowflake (Nadine Alameh)</i>		
14:00 – 14:30	Afternoon Break		
14:30 – 15:30	Challenge Track Showcases Developers to present their achievements from the workshop in a showcase, demonstration or presentation. <i>Lead: FAA (Jon Standley) / Snowflake (Nadine Alameh)</i>		
15:30 – 16:00	Certificate Awards and Workshop Recap Certificate awards for participants. Workshop recap and future work. <i>Lead: FAA (Jon Standley)</i>		