The FAA Traffic Flow Management System

TFMS DEVELOPER WORKSHOP

A hands-on Developer Workshop to learn how to develop SWIM interfaces to TFMS for accessing TFM data

Session 1
SEPTEMBER 13-15, 2016
8am - 5pm

Session 2
OCTOBER 25-27, 2016
8am - 5pm

Seating is limited!

VENUE
Hilton Washington Dulles Airport
13869 Park Center Road
Herndon, VA 20171
Phone: 703-478-2900
dulleshilton.com

Register now at:
www.TFMSdeveloperworkshop.eventbrite.com

For more info:
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Federal Aviation Administration

WORKSHOP OBJECTIVES

The TFMS Developer Workshop teaches participants how to develop System Wide Interface Management (SWIM) interfaces to TFMS for accessing Traffic Flow Management (TFM) data. It will provide an overview of the TFMData interface, as well as a series of hands-on exercises that simulate a "day in the life" of an end user interacting with TFMData interfaces throughout the implementation of a Collaborative Trajectory Options Program (CTOP) TMI. TFMS Subject Matter Experts will be on-hand to support all participants.

After completion of the course, the participant will be able to accomplish the following:

- Connect to the TFMData Request/Reply interface and submit messages related to submitting flight plans, TOS messages, and CTOP substitutions
- Connect to the TFMData Flow Information interface and process messages related to CTOP definitions and flight assignments
- Monitor the demand at airports using the TFMData Request/Reply interface

PREREQUISITES FOR EACH PARTICIPANT

- Solid development experience using Java, JMS, XML, XSD
- General domain knowledge of FAA traffic management processes and the CTOP concept
- Familiarity with TFMS' TFMData interfaces and understanding of types of information provided by TFMS
- Prior review of the TFMData JMSDD and schemas
- Each participant must bring a development laptop with Windows 7 or better, 8 GB of memory, and 100 GB of free disk space

AGENDA *(same for both sessions)*

Day 1 (Tuesday)
- System level introduction
- Service Connection
- Service Content
- Review of all business functions
- Review of key data elements
- Hardware setup
- Exercise 1: Connect to TFMData and receive FCA/FEA definition

Day 2 (Wednesday)
- Exercise 2: Connect to TFMData and create an airline flight
- Exercise 3: Receive CTOP creation information over TFMData
- Exercise 4: Monitor an impacted airport over TFMData

Day 3 (Thursday)
- Exercise 5: Substitute flights in a CTOP over TFMData