SWIM Connect 2015

An Interactive Approach to Research & Development

11:30 AM

By: Jon Standley
ANG-C7, NextGen NAS Lifecycle Planning

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Federal Aviation Administration

SWIM connect 2015

Importance of Collaboration

- NextGen is a joint effort between government and industry to modernize and transform the nation's air transportation system
- Requirements traditionally developed by FAA then industry creates capabilities
- Research & engineering development conducted in isolated environments
- Greatest success achieved when government and industry collaborate during all phases of development and implementation

New Ways to Collaborate

- Research & Development Environments
  - FAA R&D Domain

- Partnership Opportunities
  - Other Transaction Authority
  - Memorandum of Agreement
- Stakeholder Collaboration Events

New Environments

- FAA Deployed an R&D Environment
  - Designed for ***Rapid Prototyping and Test & Eval***

- Domain Comprised of Two Networks
  - NextGen Prototyping Network (NPN)
  - Implementation Development Network (IDN)

- **All NextGen sponsored R&D occurs today on NPN infrastructure, regardless of physical local**

Stakeholder Collaboration Events

About the Workshop

Hands-on two and a half day educational event for software developers geared toward getting connected to SWIM Data

- Both existing operational data and new data that will be available
- Developers could bring their own application or use a client application to analyze and/or visualize data
- Presentations and developer time were given with subject matter experts on hand from:
  - SWIM Program Office
  - Client Application Owner and Data Providers

Event Summary

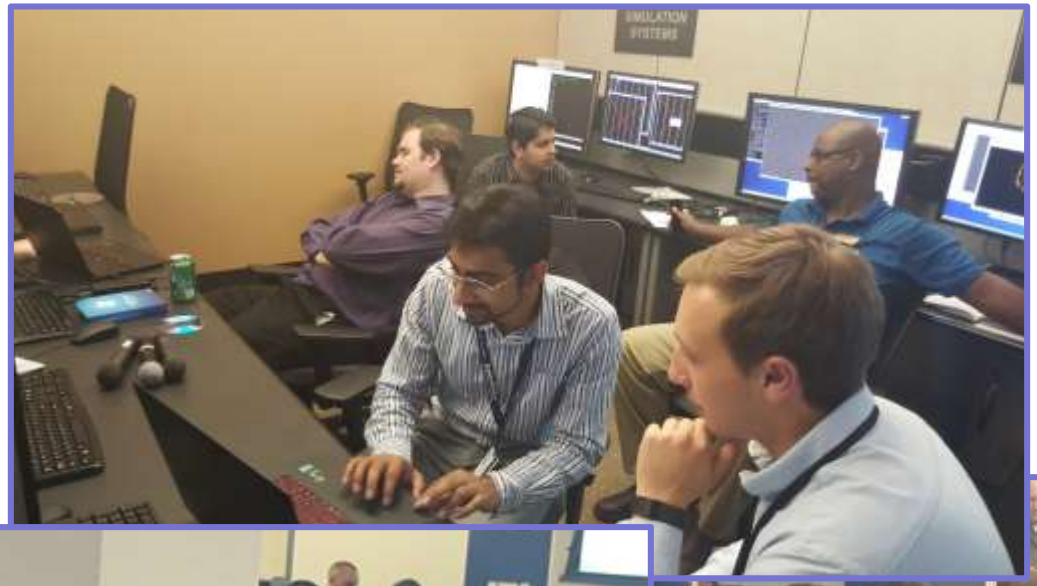
40+ participants from all over the world attended

- United States, Europe, and Asia-Pacific region

Multiple Data Types covered

- SWIM Flight Data Publication Service (SFDPS)
- SWIM Terminal Data Distribution Service (STDDS)
- Notices to Airmen (NOTAMS)
- Traffic Flow Management (TFM)
- Common Support Services – Weather (CSS-Wx)

Attendee presentations given



Impacts

Overwhelming positive response from participants

- Captured through video interviews and survey data

Frequently asked questions about:

- What is available now vs. what will be available
- How to connect to SWIM for operations
- Integrating new data into already existing applications

Next Steps

The possibility of a future developer workshop centered around:

- Specific data types in further depth
- The possibility of a contest
- Location subject to change
- Coming in 2016…

Questions