

Future Concepts Team (FCT) Meeting Summary



CDM

Collaborative
Decision Making

Northern Virginia
February 4-6, 2014

Day 1: MITRE 2 McLean, VA

Advanced Interval Management

Presented by Tim Funari, Roberta Messiah, and Peter Moertl

Tim Funari gave an introduction into this new topic for the FCT. This concept is an extension of the Interval Management product that is already being developed and is scheduled for operational testing later this year.

Roberta Messiah gave an overview of the current Interval Management product which would allow the flight deck to provide relative spacing via speed changes. This product would rely on ADS-B and in the initial stages would depend on these speeds to be communicated verbally from the controller to the flight deck.

Peter Moertl expanded on the concept and the view for the future of Interval Management (IM). Looking at a 2017+ timeframe, the ground based interval management product would provide wind data from the target aircraft to the IM aircraft. This would allow for the IM aircraft to make needed speed adjustments to maintain the relative spacing. The Advanced Interval Management concept would include the use of DataComm. Plans for this concept would provide a single uplink clearance for the IM plan to the flight deck. The flight computer would calculate the required resulting adjustment.

Unified Flight Planning and Filing (UFPF)

Steve Kamine presented the FCT with an overview of the ongoing UFPF product development and walked the team through a number of scenarios. The team was able to provide some valuable feedback and have discussions about several issues that were brought up during these scenarios.

Day 2: Lockheed Martin Rockville, MD

Airborne Execution of Flow Strategies (AEFS)

The FCT was scheduled for a lab demonstration of the Airborne Execution of Flow Strategies, however due to inclement weather the demonstration needed to be postponed. The FCT will try to add this into an upcoming meeting agenda.

Day 3: Metron Aviation Dulles, VA

Mini-Global

Presented by Thien Ngo and Doug Swol

Thien Ngo gave the FCT an overview of the Mini Global concept and briefed the team on the partnerships that have been formed in support of this tool. He also gave an explanation of the purpose of presenting this to the FCT and the desired feedback and participation they hoped to get from the team.

Doug Swol continued briefing the Mini Global product and gave the following analogy: FIXM, AIXM, and WXXM are the rails, SWIM is the car, Mini Global defines the contents of the cart. Mini Global seeks to demonstrate the ability to exchange data using FIXM, AIXM and WXXM standards and manage differing levels of technological capabilities of the international partners that are involved. Mini Global will provide Governance, Security and Routing of data. It will offer differing service levels for different users, which will limit access for some and allow access for others. He continued the presentation by walking the team through several use cases with varying examples of situations where Mini Global could be used.

Future Meetings:

The FCT made tentative plans for the next meeting on March 18-20, 2014 again in the Northern Virginia area. The agenda for that meeting will be developed over the next few weeks.

Appendix A – Meeting Attendance

Meeting Participants

Day 1

Name	Organization	Email
Phil Santos	FedEx	psantos@fedex.com
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Meeting Participants

Day 3

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