

AIR TRAFFIC CONTROL SYSTEMS COMMAND CENTER

Air Traffic Flow Management (ATFM) Workshop (Syllabus)

Provide the safest, most efficient aerospace system in the world

2015/2016
ATCSCC (2nd Floor Clipper Room)
3701 Macintosh Drive
Warrenton, VA 20187
T, W, TH 07:30am-4:00pm

Instructors: Bryan Beck and Nick Collins/Brenda Woods

Attendance: Recorded in eLMS, Workshop Certificate upon completion

I. Rationale:

The ATFM workshop was developed and is designed to enhance participants overall traffic flow management (TFM) knowledge and understanding. The ATFM workshop delivers a systemic focused overview and analysis of traffic management tools and initiatives. Participants will gain valuable insight into how the ATCSCC collaboratively implements TMI's into the NAS. Participants will benefit from engaging classroom discussions and interactive real world traffic flow management scenarios. Participants will walk away from this workshop understanding the essential role the ATCSCC has in the NAS and how their facilities and their efforts contribute to overall NAS efficiency. The primary audience for the ATFM workshops is traffic flow management professionals both FAA and Non-FAA involved with the efficient movement of air traffic within the National Airspace System (NAS).

II. Course Aims and Outcomes:

Participants in this ATFM Workshop will walk away with a better understanding of ATCSCC operations and how traffic management initiatives (TMI's) are implemented into the NAS. Participants will also have a better understanding of how their respective facilities fit into the air traffic flow analysis conducted by the ATCSCC. Finally participants will gain a better understanding of the TMI's interaction and NAS efficiency; which will enhance their ability to manage their area of responsibility in the NAS more efficiently.

Specific Learning Outcomes:

By the end of this course, participants will:

- Better Understanding of ACTSCC Operations
- Understanding of how the ATCSCC analyzes situations and utilizes TFM tools
- Understands the collaboration required to implement TMI's into the NAS
- Understands the role of Collaborative Decision Making (CDM) within the NAS
- Participants can articulate more precisely their TMI needs to the ATCSCC
- Better understanding of how NAS operations are analyzed and efficiency is measured
- Operate and communicate with an increased systems perspective when considering or participating in TFM initiatives
- Be able to clearly articulate what the ATCSCC is about and how the facility leads the NAS in ATFM

III. Format and Procedures:

This workshop is instructor led and designed to challenge participants to reevaluate their role in the National Airspace System (NAS) and become system oriented/thinking. The ATFM workshop will examine the practical applications, techniques and best practices of Air Traffic Flow Management. Participants will receive informative briefings and engage in open discussions with a diverse group, individuals who also have a distinct contribution to NAS efficiency, and also Command Center subject matter experts. Real world ATFM scenarios will challenge participants knowledge of TMI interaction and foster a better understanding traffic flow management concepts and strategies. Participants will also have the chance to visit the ATCSCC operational floor and see firsthand the collaboration utilized to develop a national traffic flow management plan for a particular day. The methods of instruction are dynamic to the individual instructors however lecture format supplemented by Traffic Flow Management System (TFMS) tools and engaging discussions are the primary learning methods used.

IV. Facilitators Assumptions:

Our goal as facilitators is to familiarize the student with Air Traffic Flow Management, its tools and process from the Command Center point of view. This course will provide participants an understanding of ATFM resources and provide a collaborative focus on determining the appropriate approach to a given situation in order to facilitate the coordinated effort in the equitable delivery of air traffic services. By the conclusion of the course, the participant will be able to analyze a constraint in the NAS, utilize TFM tools and strategies, monitor capacity, balance demand, conduct problem solving and model initiatives and evaluate alternative approaches to managing traffic.

V. Course Requirements:

Attendance, professionalism and constructive participation are the only requirements for this workshop.

VI. Accommodations for participants with disabilities

In compliance with the FAA policy and equal access laws, ATCSCC is available to discuss appropriate academic accommodations that may be required for any participant with disabilities. Requests for accommodations are to be made prior to workshop registration and class slot reservation.

VII. Inclusivity Statement

We understand that workshop attendees represent a rich variety of backgrounds and perspectives. The ATFM Workshop is committed to providing an atmosphere for learning that respects diversity. While working together to enhance our collective ATFM knowledge we ask all attendees to:

- share their unique experiences
- be open to the views of others
- honor the uniqueness of their colleagues
- appreciate the opportunity that we have to learn from each other
- value each other's opinions and communicate in a respectful manner
- keep confidential discussions that assume a personal (or professional) nature
- take this opportunity together to network and identify innovative ways we can make the NAS more efficient.

VIII. ATFM Workshop Schedule (weather permitting)

November 3-5, 2015

December 15-17, 2015

January 5-7, 2016

February 2-4, 2016

March 1-3, 2016

April 5-7, 2016

May 3-5, 2016