

**Participating Organizations**

The mission of the Airline Dispatchers Federation (ADF) is:

- To advance aviation safety and efficiency by enhancing the professional standards of individual Dispatchers and the organizations within which they exercise Operational Control.
- To foster a global understanding of the nature and benefits of Positive Operational Control.

The Air Traffic Supervisors Committee (SUPCOM) of the FAA was established in 1979 by the Associate Administrator for Air Traffic for the purpose of improving communications between operational supervisors and facility, regional and national air traffic managers. SUPCOM is an organization of operational air traffic supervisors working together for the continued success of the finest air traffic service in the world.

The FAA Office of Air Traffic Systems Development (AUA) develops and implements products in all air traffic control domains in the National Airspace System (NAS). AUA consists of five Integrated Product Teams (IPTs): En Route; Terminal; Weather and Flight Service System; Traffic Flow Management; and Oceanic and Offshore.

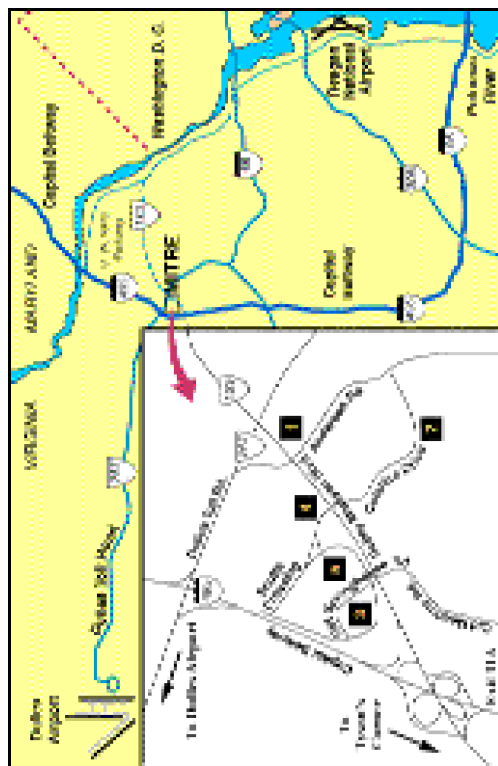
**Host Organization**

The Center for Advanced Aviation System Development (CAASD) is a federally-funded research and development center sponsored by the FAA at The MITRE Corporation, an independent, not-for-profit system engineering company. For over 40 years, MITRE and CAASD have provided air traffic control, air traffic management, and airports system engineering support to the FAA and to civil aviation authorities worldwide.

To view a map with detailed directions please go to:

[www.caasd.org](http://www.caasd.org)  
**About CAASD**  
**Related Links**  
**Reaching CAASD**  
**Virginia Map and directions**

Dress: Business Casual



Note: Westgate building is located at number 4 on the map.



**FAA/Industry Collaborative Weather Rerouting Workshop**



Tuesday, April 10, 2001  
 8:30 am-5:00 pm  
 Wednesday, April 11, 2001  
 8:00 am-3:00 pm



**MITRE/CAASD**

Westgate Building  
 1820 Dolley Madison Boulevard  
 McLean, VA 22102-3481  
[www.caasd.org](http://www.caasd.org)

## PURPOSE

The purpose of the workshop is to extend the "Roles and Responsibilities" to the next level of detail for weather rerouting and to establish priorities for continued refinement of weather rerouting concepts and flow management decision support research.

## BACKGROUND

Weather is a significant factor in the daily operations of the National Airspace System (NAS). Due to high traffic levels, severe weather has the potential for causing major disruptions in traffic flows.

In 1995, the Federal Aviation Administration (FAA) [development and Air Traffic] signed the Collaborative Decision Making (CDM) "Roles and Responsibilities" guideline for using a new paradigm of collaboration and data sharing for handling constraints, such as weather fronts, in the NAS. The guideline states:

- A. Air Traffic Control-Traffic Flow Management (ATC-TFM) will:
  1. Monitor the NAS for constraints that produce capacity and demand problems
  2. Make these constraints known to the users of the NAS
  3. In cooperation with the users, develop a baseline solution to the problem created by the constraint.
- B. Airline Operational Control (AOC) will:
  1. Keep ATC-TFM informed of current operational demand and intent
  2. Provide airline business need plans and designs within the general baseline solution provided by ATC-TFM.

## POST WORKSHOP

Following the workshop, the FAA will be asked to address objective 1: a decision on how users will collaborate with the FAA and interact with decision support systems.

## OBJECTIVES

### Workshop objectives include:

1. A workshop decision on how users will collaborate with the FAA and interact with decision support systems
2. An improved understanding of participant needs and the value of their collaboration
3. Progress in reaching consensus in the three identified collaborative focus areas
4. Identification and prioritization of weather rerouting research needs

## SCOPE

The workshop will focus primarily on three areas of collaboration:

### Pre-flight collaboration

- Pre-defined routes
- Rationing schemes
- Controller workload and capacity

### Data sharing

- Shared weather and traffic predictions
- Airline preferred routes
- Airline flight priority information

### Real-time collaboration

- FAA/industry roles and responsibilities
- Operational concept for reroute planning

## WORKSHOP COORDINATOR

**For workshop  
reservations or  
information contact**

**Celesta Ball  
(703) 883-7561  
cgball@mitre.org**

**RSVP by  
March 9, 2001**

## AGENDA

### Who should attend:

- Dispatchers
- Traffic flow specialists (ATCSCC and ARTCC)
- Operational supervisors
- Research and academic organizations

### DAY 1 (Tuesday, April 10, 2001)

Workshop attendees divide into three tracks (user, TFM, ATC) to consider specific topics within the three focus areas, from the unique perspective(s) of the track attendees. Report-outs are prepared for Day 2.

### DAY 2 (Wednesday, April 11, 2001)

Workshop attendees form new integrated groups to collaborate in solving a weather problem, applying the results of Day 1 discussions. The day concludes with report-outs in each track based on Day 1 conclusions and hands-on "lessons learned."

(Detailed agenda available in late March 2001.)

## ATTENDEES