



To FMS Subcommittee **Date** August 12, 2016

From P. J. Prisaznuk
pjp@sae-itc.org
tel: 1-443-254-0528 **Reference** 16-999/SMA-960 lth

Subject **Meeting Announcement**
ARINC 702A – Flight Management System (FMS)
McLean, Virginia

Chairman Mike Bakker, GE Aviation

When **November 29 to December 1, 2016**
Tuesday, Wednesday, and Thursday from 0900 to 1700 – **3 full days**

Host The MITRE Corporation

Where Meeting Location
MITRE 2 Building (South Entrance)
7525 Colshire Drive
McLean, Virginia 22012-7539
tel: 1-703-983-600
Contact: Sam Miller
tel: 1-520-508-0643
email: sammiller@mitre.org
A map of the MITRE campus and other valuable travel information is provided in Attachment 1 to this meeting announcement.

Hotels There is a good selection of hotels located near the MITRE offices to suit your budget and comfort needs. The list of hotel options is provided in Attachment 1.

Instructions Please notify ARINC Industry Activities of your intention to attend by registering online at: <http://www.aviation-ia.com/events/>. All participants are encouraged to register early for the meeting, preferably before October 29. This will provide time for MITRE to prepare for the meeting.
The meeting is open to all interested parties. Those wishing to have time on the agenda should contact Paul Prisaznuk. The agenda will be finalized one week before the meeting.

Activity Scope

The FMS Subcommittee will update **ARINC Characteristic 702A: *Advanced Flight Management Computer System***, to support NextGen and SESAR airspace initiatives. The evolution of satellite-based navigation, enhanced datalink, graphical user interfaces and software partitioning are driving these changes. FMS advancements are expected to provide a number of benefits to airlines. These include airspace capacity improvements, user-preferred trajectories, and associated fuel savings. Supplement 5 will be aligned to the applicable RTCA/EUROCAE standards in support of initiatives such as Performance-Based Navigation (PBN) and Trajectory Based Operations (TBO).

Meeting Objectives

The FMS Subcommittee will review working papers leading to the development of Supplement 5 to ARINC Characteristic 702A. New material will include:

- Magnetic variation model recommendations
- Fixed Radius Turn (FRT) refinements
- Crew selection of Required Navigation Performance (RNP) values for Authorization Required (AR) approach
- Lateral Offset Recommendations
- Lateral Path Transition Containment
- Final Approach Segment (FAS) Data Block Interface
- Vertical Path Construction
- ETA Windows and TOA Control
- Datalink Requirements
- AT/ABOVE Speed Constraints
- Temperature Compensation for vertical Approach Guidance
- ACARS Interface Extensions

The goal of the meeting is to prepare material for Draft 1 of Supplement 5 to **ARINC Characteristic 702A: *Advanced Flight Management Computer System***.

Travel Information

The MITRE Corporation

MITRE is located near Washington, DC. The Washington Dulles Airport (IAD) and Washington Regan National Airport (DCA) are recommended airports.

Public transportation is available. MITRE is located along the silver line of the DC Metro system at the McLean stop. Use the blue line or the yellow line from DCA to connect to the silver line.

For those driving, ample parking is available at the East and West parking lots. From the East parking lot, enter MITRE 2 through the garden entrance. From the West parking lot, enter MITRE 2 through the South side of the parking lot.

See Attachment 1 for additional information.

cc

DLK, SAI

Attachment 1

Driving Directions – MITRE 2

MITRE-2 Building (South Entrance) 7525 Colshire Drive, Mc Lean, Virginia 22012-7539

- **From Reagan National Airport**
- **Take George Washington Parkway North approx. 6 miles to Route 123 South, McLean exit. Exit onto Route 123, (also called Dolley Madison Blvd.) follow south for approximately four miles to traffic light at Colshire Drive (on left). Turn left onto Colshire Drive and continue through circle on Colshire. Parking is available in the East or West parking lots. Enter the MITRE 2 through South entrance from the West parking lot, garden entrance from the East parking lot.**
- or -
Take I-66 West. Take Exit 67 to Route 267 (Dulles Toll Road). Take Exit 19A, following signs to Route 123 South (also called Dolley Madison Blvd) follow south for approx. 1/4 mile to traffic light at Colshire Drive (on left). Turn left onto Colshire Drive and continue through circle on Colshire. Parking is available in the East or West parking lots. Enter the MITRE 2 through South entrance from the West parking lot, garden entrance from the East parking lot.
- **From Dulles Airport**
- **Take the Dulles Airport Access and Toll Road to Exit 19. Take Exit 19A, following signs to Route 123 South, Tysons Corner. At the light at the end of the ramp, turn right onto Route 123 (also called Dolley Madison Blvd.). At next traffic light turn left onto Colshire Drive and continue through circle on Colshire. Parking is available in the East or West parking lots. Enter the MITRE 2 through South entrance from the West parking lot, garden entrance from the East parking lot.**
- **From Route 495 (Beltway)**
- **Take Exit 46B (McLean, Route 123). Take Route 123 North, (also called Dolley Madison Blvd) go to the second traffic light at Colshire Drive. Turn right on Colshire Drive and continue through circle on Colshire. Parking is available in the East or West parking lots. Enter the MITRE 2 through South entrance from the West parking lot, garden entrance from the East parking lot.**

Public Transportation Options

- TAXI's and HOTEL VAN's
- METRO SILVER LINE - MCLEAN STATION



DCA – Reagan Airport

Hotel Options

[Hyatt Regency Tysons Corner](#)

7901 Tysons One Place
Tysons Corner, VA 22102
Ph. 703.893.1234
Distance – 1.7

[The Ritz Carlton Tysons Corner](#)

1700 Tysons Blvd
McLean, VA 22102
Ph. 703.506.4300
Distance – 1.4

[Hilton McLean Tysons Corner](#)

7920 Jones Branch Dr.
McLean, VA 22102
Ph. 703.847.5000
Distance – 2.0

[The Westin Tysons Corner](#)

7801 Leesburg Pike
Falls Church, VA 22043
Ph. 703.893.1340
Distance – 2.2

[Staybridge Suites-McLean](#)

6845 Old Dominion Dr.
McLean, VA 22101
Ph. 703.448.5400
Distance - 2.3

[Embassy Suites Tysons Corner](#)

8517 Leesburg Pike
Vienna, VA 22182
Ph. 703.883.0707
Distance – 2.5

[Courtyard Tysons Corner Marriott](#)

1960-A Chain Bridge Rd
McLean, VA 22102
Ph. 703.790.0207
Distance - 1.5

[Crowne Plaza Tysons Corner](#)

1960 Chain Bridge Road
McLean, VA 22102
Ph. 703.893.2100
Distance – 1.7

[Marriott Tysons Corner](#)

8028 Leesburg Pike
Tysons Corner, VA 22182
Ph. 703.734.3200
Distance – 2.0

[Hilton Garden Inn Tysons Corner](#)

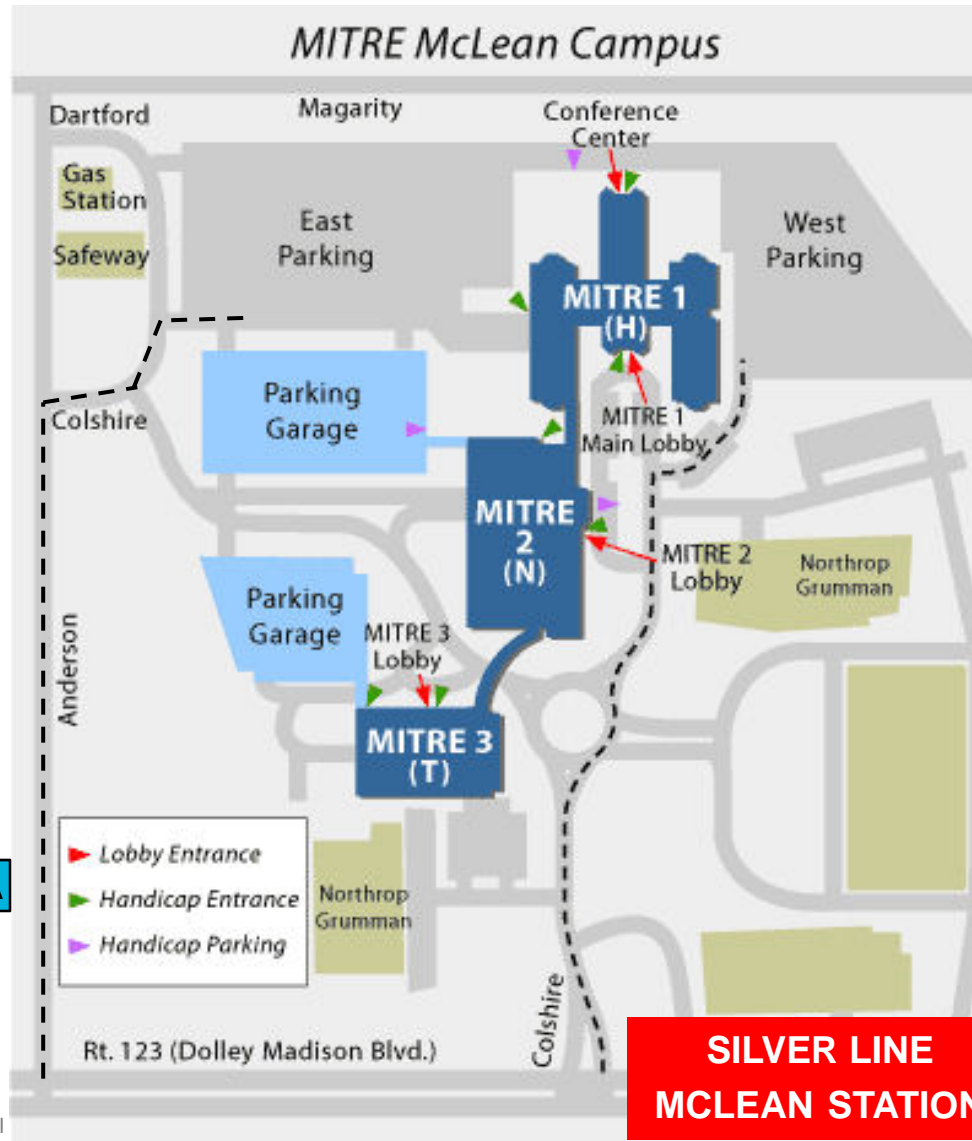
8301 Boone Blvd
Vienna, VA 22182
Ph. 703.760.9777
Distance – 2.1

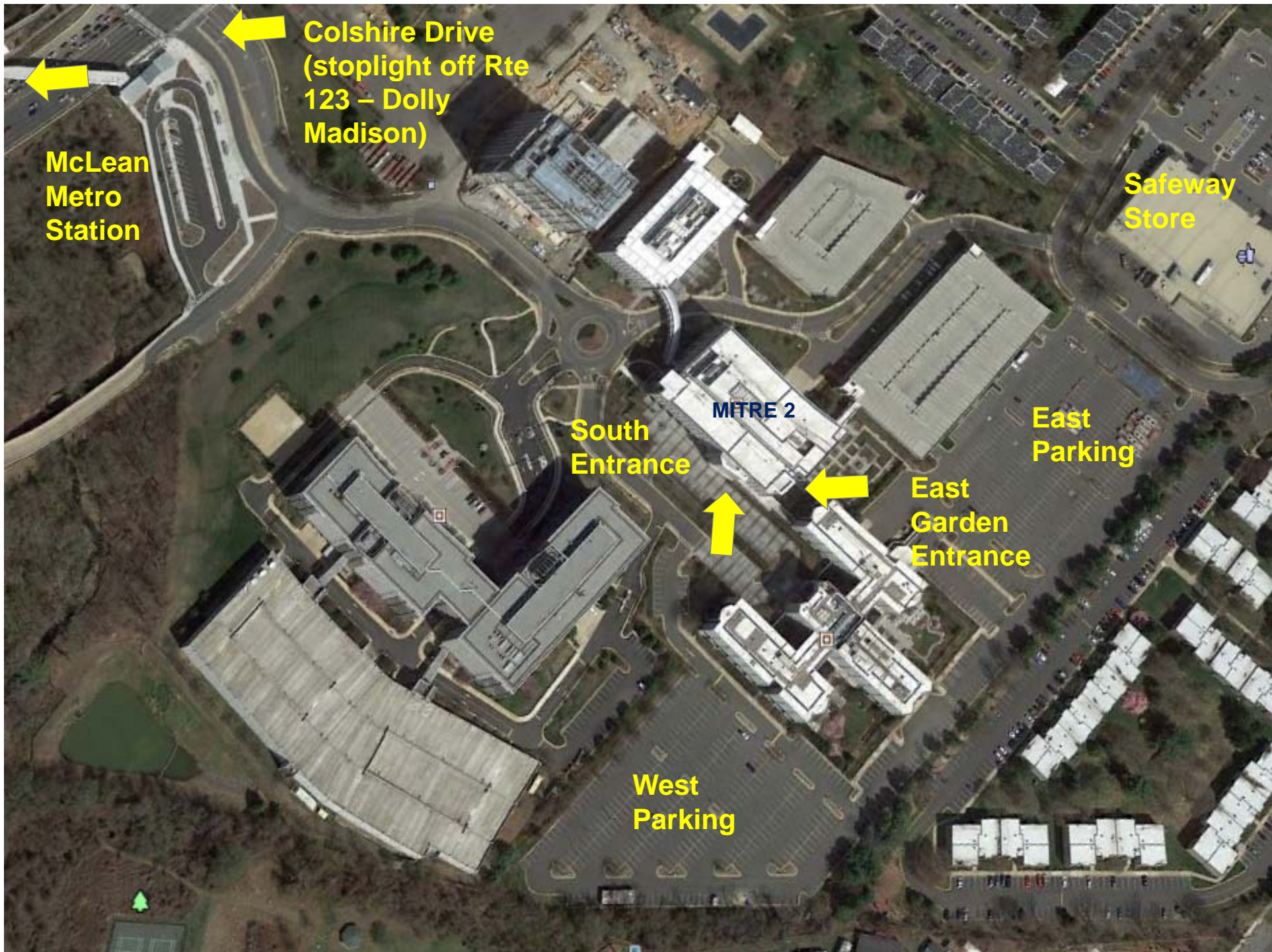
[Homewood Suites Falls Church](#)

8130 Porter Rd
Falls Church, VA 22042
Ph. 703.560.6644
Distance – 6.3

* Right click on
hotel name to
open hyperlink

MITRE 2 Conference Room Location





Colshire Drive
(stoplight off Rte
123 - Dolly
Madison)

McLean
Metro
Station

Safeway
Store

MITRE 2

South
Entrance

East
Parking

East
Garden
Entrance

West
Parking