



To FMS Subcommittee **Date** August 11, 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