



**To** SAI Subcommittee **Date** April 26, 2017

**From** P. J. Prisaznuk  
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tel: 1-410-212-0913 **Reference** 17-999/SMA-007 lth

**Subject** **Meeting Announcement**  
**Systems Architecture and Interfaces (SAI) Subcommittee**

**Chairmen** **Bob Semar, United Airlines**  
**Reinhard Andreae, Lufthansa**

**When** **June 13-14, 2017**  
Tuesday and Wednesday from 0900 to 1700 each date  
Note: The Global Aircraft Tracking (GAT) Working Group meeting will be held June 15-16, 2017 at the same location.

**Host** **Panasonic Avionics**

**Where** **Hilton Denver Inverness Hotel**  
200 Inverness Drive West  
Englewood, Colorado 80112  
tel: +1-303-799-5800  
fax: +1-303-799-5874  
Hilton Inverness Denver  
<http://www3.hilton.com/en/hotels/colorado/hilton-denver-inverness-DENIRHH/index.html>

**Hotel** Panasonic has negotiated a discount rate of \$169.00. To reserve a room at the Hilton, follow this link:  
[https://www.regonline.com/sai\\_adt\\_meeting](https://www.regonline.com/sai_adt_meeting)

**Instructions** Please notify the Industry Activities staff of your intention to attend by registering online at: <http://www.aviation-ia.com/events/>  
The meeting is open to all interested parties. Individuals requesting time on the agenda should contact Paul Prisaznuk. The agenda will be finalized one week prior to the meeting.

## Meeting Objectives

### SAI Meeting in Denver

The Systems Architecture and Interfaces (SAI) Subcommittee will prepare avionics system-level guidance for new airplanes and major retrofit programs. It will discuss NextGen and SESAR programs and the impact on Communication, Navigation, and Surveillance (CNS) equipment.

### NextGen and SESAR Equipment and Architectures

The SAI Subcommittee will continue its discussion of avionics equipment and data comm services necessary for NextGen and SESAR programs

**ARINC Report 660B:** *CNS/ATM Avionics Architectures Supporting NextGen/SESAR Concepts* refers to several ARINC Standards that may be impacted by emerging airspace requirements. Future work will be discussed.

### Communication Systems

The SAI Subcommittee will look at the overall strategy of data communication, including the status of near-term implementations, the rollout of ATN/OSI, and the eventual transition to ATN/IPS. The Internet Protocol Suite (IPS) Subcommittee is preparing a roadmap document that calls for detailed standards development activities in 2017 to 2019. An updated APIM 15-004 is anticipated for discussion in Denver.

### Navigation System

The SAI Subcommittee will look at progress made with GNSS and Flight Management Systems (FMS). **ARINC Characteristic 702A:** *Advanced Flight Management Computer System* is being updated by the development of Supplement 5 to support NextGen and SESAR airspace initiatives. A status report will be provided.

### Surveillance Systems

The SAI Subcommittee will look at various technologies that contribute to positive aircraft tracking. This includes ground-based ADS-B, space-based ADS-B, datalink services, and others. The goal is to propose solutions that can positively identify and track an aircraft with minimal impact on aircraft production and retrofit.

### Proposals to Initiate/Modify ARINC Standards

The SAI Subcommittee will review several draft APIMs leading to the development of new ARINC Standards. Proponents are invited to present their APIM in person.

In preparation for the AEEC Mid-Term Session in Brussels, the SAI Subcommittee will discuss the following:

- Cabin Equipment Solutions
- Data Communications Standard
- EFB and Data Networks
- Software Distribution and Loading
- Other APIM proposals

**Travel  
Information**

The Hilton Denver Inverness Hotel is located 30 miles south of the Denver International Airport.

Exit the Airport via Pena Blvd. to the combined I-70 West/I-225 South exit. Follow I-25 South to the County Line Road (Exit 195) and turn left going east. Take the first left onto Inverness Drive West. The hotel will be on the right.

A rental car is recommended.