AEEC

Together "We Set the Standard."

To	SAI Subcommittee	**Date**	March 26, 2018
From	P. J. Prisaznuk pjp@sae-itc.org tel: 1-410-212-0913	**Reference**	18-999/SMA-063 lth

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

Chairmen — **Rich Stillwell, United Airlines**
Reinhard Andreae, Lufthansa

When — **June 14-15, 2018**

Thursday, June 14, from 0900 to 1700
Friday, June 15, from 0900 to 1200

Note: The SAI Global Aircraft Tracking (GAT) Working Group will meet June 11-13 at the same location. Refer to 18-999/SMA-062 for details.

Host — FedEx is hosting the GAT Working Group meeting at their headquarters facility in Memphis, Tennessee.

Where — Meeting Location

FedEx World Headquarters
3670 Hacks Cross Road, Bldg. G
Memphis, Tennessee 38125

Point of Contact

Robert Swanson
tel: 1-901-224-4678
email: *robert.swanson@fedex.com*

Security — FedEx World Headquarters is a secure facility. All visitors must present a government-issued photo ID to the security desk at the time of entry. Arrive at the lobby 15 minutes prior to the meeting (0845) with a photo ID.

Hotels — There are many hotels near the FedEx World Headquarters to meet your budget and comfort needs. A list is attached to this meeting announcement.

| **Instructions** | Please notify the Industry Activities staff of your intention to attend by registering online before **Friday, June 1** 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 Memphis |

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 Equipage

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.

Global Aircraft Tracking

The SAI Global Aircraft Tracking (GAT) Working Group will meet June 11-13 at the same location. A summary of Autonomous Distress Tracking (ADT) and Timely Recovery of Flight Data (TRFD) activities will be reported.

Integrated Radio Architectures for CNS/ATM

The SAI Subcommittee will initiate discussions leading to a future radio systems architecture framework. Topics include the following:

- Classification of radio architectures, including new distributed radio architecture options
- Identification of the best architecture options for each Comm, Navigation and Surveillance radios
- Possible combination and integration of CNS radio components
- Constraints for RF Front Ends installation and identification of Fit/Forms solutions
- Requirements for the digital interfaces to RF equipment
- Requirements for avionics interfaces for the radio systems, both voice and data
- Characterization of radio computing platforms
- Potential opportunities for common services for the radios
- Data security requirements, and approaches for isolation of the aircraft systems from attacks through RF interfaces
- Safety considerations on the architectures
- Certification considerations
- Transition approaches for the deployment of new products, including current aircraft programs

Based on this assessment, the SAI Subcommittee will identify the need for future ARINC Standards.

This activity pending the approval of APIM 18-003 by the AEEC Executive Committee.

APIMs

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.

- Cabin Equipment Solutions
- Data Communications Standard
- Networks and Security
- Software Data Loading

Other APIM proposals

Travel Information

The FedEx World Headquarters is located about 14 miles East of the Memphis International Airport (MEM). Directions to FedEx are provided for you as a map and a link that takes you to Google maps.

From Memphis Airport

1. Follow signs to Interstate Highway I-240 East
2. Follow I-240 East and TN-385 E (Bill Morris Parkway) for 11 miles to Winchester Road.
3. Take Winchester Road exit East for 1.5 miles to FedEx (approximately 1/3 mile past Hacks Cross Road)
4. Turn left and follow signs to FedEx Building G, Visitor's Parking

FedEx World Headquarters
3670 Hacks Cross Road, Bldg. G
Memphis, Tennessee 38125

Click here for directions

Attachment 1

MEMPHIS HOTELS
NEAR FEDEX WORLD HEADQUARTERS

Hampton Inn Memphis-Southwind
3579 Hacks Cross Rd, Memphis, TN 38125
(901) 754-8454
www.hamptoninn3.hilton.com

Candlewood Suites Memphis
7950 Centennial Dr, Memphis, TN 38125
(901) 755-0877
www.ihg.com

Holiday Inn Express & Suites Memphis Southwind
4068 Stansell Ct, Memphis, TN 38125
(901) 309-6474
www.ihg.com

@Home Inn and Suites
7967 Lowrance Rd, Memphis, TN 38125
(901) 756-5551
www.athomesuites.net

Hyatt Place Memphis/Germantown
9161 Winchester Rd, Germantown, TN 38138
(901) 759-1174
https://germantown.place.hyatt.com/en/hotel/home.html

Fairfield Inn & Suites by Marriott Memphis Germantown
9320 Poplar Pike, Germantown, TN 38138
(901) 757-9100
www.marriott.com

Residence Inn by Marriott Memphis Germantown
9314 Poplar Pike, Germantown, TN 38138
(901) 752-0900
www.marriott.com

Attachment 2

FEDEX WORLD HEADQUARTERS