




**To** SAI Subcommittee **Date** November 18, 2019

**From** P. J. Prisaznuk  
AEEC Executive Secretary  
pjp@sae-itc.org  
tel: 1-443-254-0528 **Reference** 19-999/SMA-155 lth

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

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

**Host** 

**When** **February 12-14, 2020**  
Wednesday and Thursday, February 12 and 13, from 0900 to 1700  
Friday, February 14, from 0900 to 1200  
Note: The SAI Timely Recovery of Flight Data (TRFD) Working Group will meet February 10-12 at the same location. Refer to 19-999/SMA-154 for details.

**Where** Meeting Location  
**Gables Engineering**  
247 Greco Avenue  
Coral Gables, Florida 33146  
Point of Contact  
Anna A. Franklin  
Business Development Administrator  
tel: 1-305-774-4327  
email: [franklin@gableseng.com](mailto:franklin@gableseng.com)  
[www.gableseng.com](http://www.gableseng.com)

**Hotels** There are many hotels near Gables Engineering 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 at: <https://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 Miami**

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.

**ICAO Global Aeronautical Distress and Safety System (GADSS)**

The Timely Recovery of Flight Data (TRFD) Working Group will provide a summary report. The impact Autonomous Distress Tracking (ADT) and TRFD on the airlines and aircraft manufacturers will be discussed.

**New Radio Architectures for CNS/ATM**

The SAI Subcommittee will review inputs to **ARINC Project Paper 678: Communication, Navigation and Surveillance (CNS) Radio System Architectures**. Topics include the following:

- Classification of radio architectures, including new distributed radio architecture options
- Identification of the best architecture options for each Communication, Navigation, and Surveillance radio
- Discussion of radio form and fit options
- Requirements for the digital interfaces to RF equipment
- Avionics interfaces to the radio systems for 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 and certification considerations
- Transition approaches for the deployment of new products, including current aircraft programs.

**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.

## APIMs

### Proposals to Initiate/Modify ARINC Standards

The SAI Subcommittee will review several draft proposals that may lead to the development of new ARINC Standards. Proponents are invited to secure a place on the SAI agenda and present their APIM in person.

In preparation for the AEEC General Session to be held May 11-14, 2020 in Phoenix, the SAI Subcommittee will discuss the following:

- Cabin Equipment Solutions
- Data Communications Standard
- Software Data Loading
- Other APIM proposals

## Travel Information

Gables Engineering is located about 20 minutes South of the Miami International Airport (MIA). Directions to Gables are provided below as well as a link that takes you to Google maps so you can get directions to your hotel from the Miami International Airport.

### From Miami Airport Rental Car Facility

1. Exit 28th St to FL-953 Le Jeune Road 0.2 mi
2. Follow Route 953 south, Le Jeune Road 3.8 mi
3. Turn left onto Bird Avenue 0.2 mi
4. Turn right onto Ponce De Leon Boulevard 0.3 mi
5. At the traffic circle, use 1st exit onto Greco Avenue
6. Gables Engineering is on the right hand side
7. Park your car in the Merrick Park Mall parking garage. See next page.

Gables Engineering  
247 Greco Avenue  
Coral Gables, Florida 33146

*[Click here for directions](#)*

## Parking

Parking is available in the Merrick Park Mall parking garage. Enter from either road: Le Jeune Road or Ponce de Leon Boulevard. Park near the Nordstrom store which is the closest location to Gables Engineering. Cost is \$10 per day.



## MIAMI AREA HOTELS



### Miami, Florida Hotels

#### [Marriott – Miami Int'l Airport \(4 star\)](#)

1201 N.W. LeJeune Road, Building A  
Miami, FL 33126  
Phone: (305) 649-5000  
Website: [www.marriott.com](http://www.marriott.com)

Check-in: 3:00pm  
Check-out: 12:00pm  
Onsite Parking fee: \$23.00 USD daily  
Valet Parking fee: \$28.00 USD daily  
Complimentary Airport Shuttle  
Distance from Gables Engineering: 4.1 miles

#### [The Westin Colonnade – Coral Gables \(4 star\)](#)

180 Aragon Avenue  
Coral Gables, FL 33134  
Phone: (305) 441-2600  
Website: [www.westincoralgables.com](http://www.westincoralgables.com)

Check-in: 4:00pm  
Check-out: 11:00am  
Valet Parking fee: \$32.00 USD daily  
Distance from Gables Engineering: 1.53 miles

#### [Courtyard by Marriott – Coral Gables \(4 star\)](#)

2051 South LeJeune Road  
Coral Gables, FL 33134  
Phone: (305) 443-2301  
Website: [www.courtyard.marriott.com](http://www.courtyard.marriott.com)

Check-in: 3:00pm  
Check-out: 12:00pm  
Onsite Parking fee: \$15.00 USD daily  
Complimentary Airport Shuttle  
Distance from Gables Engineering: 1.9 miles

#### [Biltmore– Coral Gables \(5 star\)](#)

1200 Anastasia Avenue  
Coral Gable, FL 33134  
Phone: (855) 311-6903  
Website: [www.biltmore.com](http://www.biltmore.com)

Check-in: 3:00pm  
Check-out: 12:00pm  
Self Parking fee: Free  
Valet Parking fee: \$18.00 USD daily  
Distance from Gables Engineering: 2.0 miles

#### [Aloft – Coral Gables \(4 star\)](#)

2524 South Le Jeune Road  
Coral Gable, FL 33134  
Phone: (305) 442-0372  
Website: [www.aloft-hotels.marriott.com](http://www.aloft-hotels.marriott.com)

Check-in: 3:00pm  
Check-out: 12:00pm  
Valet Parking fee: \$25.00 USD daily  
Distance from Gables Engineering: 1.7 miles

#### [Hyatt Regency – Coral Gables \(4 star\)](#)

50 Alhambra Plz, Coral Gables  
Coral Gable, FL 33134  
Phone: (305) 441-1234  
Website: [www.hyatt.com](http://www.hyatt.com)

Check-in: 3:00pm  
Check-out: 12:00pm  
Self Parking fee: \$30.00 USD daily  
Valet Parking fee: \$35.00 USD daily  
Distance from Gables Engineering: 2.0 miles

### Miami, Florida Hotels



#### [Embassy Suites - Miami Int'l Airport \(3 star\)](#)

3974 NW South River Drive  
Miami, FL 33142  
Phone: (305) 634-5000  
Website: [www.embassysuites3.hilton.com](http://www.embassysuites3.hilton.com)

Check-in: 4:00pm  
Check-out: 11:00am  
Self Parking fee: \$21.00 USD daily  
Valet Parking fee: \$26.00 USD daily  
Complimentary Airport Shuttle  
Distance from Gables Engineering: 5.7 miles

#### [Hotel Arya –Coconut Grove \(Sonesta\) \(4 star\)](#)

2889 McFarlane Road  
Coconut Grove, FL 33133  
Phone: (305) 529-2828  
Website: [www.hotelaryacg.com](http://www.hotelaryacg.com)

Check-in: 3:00pm  
Check-out: 12:00pm  
Valet Parking fee: \$30.00 USD daily  
Distance from Gables Engineering: 1.6 miles

#### [Four Points by Sheraton– Coral Gables \(4 star\)](#)

3861 SW 40th Street  
Coral Gables, FL 33146  
Phone: (305) 567-0534  
Website: <https://four-points.marriott.com/>

Check-in: 3:00pm  
Check-out: 12:00pm  
On site parking fee: \$25.00 USD daily  
Distance from Gables Engineering: 0.4 miles

#### [Hilton – Miami Int'l Airport \(4 star\)](#)

5101 Blue Lagoon Drive  
Miami, FL 33126  
Phone: (305) 262-1000  
Website: [www3.hilton.com](http://www3.hilton.com)

Check-in: 3:00pm  
Check-out: 12:00pm  
Self Parking fee: \$21.00 USD daily  
Valet Parking fee: \$28.00 USD daily  
Complimentary Airport shuttle  
Distance from Gables Engineering: 5.9 miles

#### [Accor Hotels \(Pullman – Miami Int'l Airport\) \(4 star\)](#)

5800 Blue Lagoon Drive  
Miami, FL 33126  
Phone: (305) 264-4888  
Website: [www.accorhotels.com](http://www.accorhotels.com)

Check-in: 3:00 pm  
Check-out 12:00 pm  
Private outdoor Parking: \$8.00 USD daily  
Valet Parking fee: \$11.00 USD daily  
Complimentary Airport Shuttle  
Distance from Gables Engineering: 4.86 miles