



To SAI Subcommittee
GAT Working Group

Date November 7, 2018

From Peter Grau
peter.grau@sae-itc.org
tel +1-240-334-2580

Reference 18-999/SMA-098 lth

Subject Meeting Announcement
Global Aircraft Tracking (GAT) Working Group

Chairman Chuck Adler, Boeing (Charles.O.Adler@Boeing.com)

Host Gables Engineering

When February 4-6, 2019
February 4-6, from 0900 to 1700 each day (Monday-Wednesday)
Note: The SAI Subcommittee will meet February 7-8 at the same location. Refer to 18-999/SMA-099 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
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 ARINC Industry Activities 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 Chuck Adler or Peter Grau. Material intended to be circulated prior to the meeting should be submitted before **January 29, 2019**. The agenda will be finalized one week prior to the meeting.

Activity Scope

The goal of the GAT Working Group is to prepare standards applicable to the ICAO Global Aeronautical Distress and Safety System (GADSS). These are intended to positively identify and track an aircraft with minimal impact on new production aircraft as well as legacy aircraft retrofit.

Meeting Objectives

Global Aircraft Tracking Standards

The Global Aircraft Tracking (GAT) Working Group will prepare standards applicable to the ICAO Global Aeronautical Distress and Safety System (GADSS). The APIMs are as follows:

- APIM 17-004 – Autonomous Distress Tracking (ADT)
- APIM 17-005 – Timely Recovery of Flight Data (TRFD)

ICAO SARPS will require GADSS on certain production aircraft with a gross weight greater than 27,000 kg. The equipment will provide:

- Aircraft Tracking – All flight phases – 15-minute interval
- Autonomous Distress Tracking – High data rates

Several technologies may contribute to positive aircraft tracking. This includes ground-based and space-based ADS-B, satcom, VHF datalink, ELT-DT, and mixed technologies.

Autonomous Distress Tracking (ADT)

ARINC Project Paper 680: *Autonomous Distress Tracking (ADT)* is being prepared in response to APIM 17-004. The document will describe GADSS requirements, equipment architectures, and aircraft interface requirements. The goal is to prepare a mature document for AEEC adoption consideration at the upcoming AEEC General Session to be held in Prague.

Timely Recovery of Flight Data (TRFD)

Per APIM 17-005, the GAT Working Group will prepare ARINC Project Paper 681 describing system requirements, equipment architectures, and aircraft interface installation requirements for equipment capable of meeting ICAO TRFD requirements, potentially including:

- Automatic Deployable Flight Recorder (ADFR) installed on the aircraft which is capable of automatically deploying from the aircraft
- Flight Data Streaming (FDS) – the ability to stream flight data from the airplane while in flight
- Airlines are expected to benefit by being able to meet the forthcoming worldwide TRFD mandates in the most effective manner possible.

Travel Information

Gables Engineering is located about 15 minutes South of the Miami International Airport (MIA). Directions to Gables are provided for you 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 on 12th street 0.2 mi
2. Follow signs to Route 953 south, Le Jeune Rd 3.8 mi

3. Turn left onto Bird Avenue 0.2 mi
4. Turn right onto Ponce De Leon Blvd 0.3 mi
5. At the traffic circle, use 1st exit onto Greco Ave
6. Gables Engineering is on the right
7. Visitors parking through the gate, rear of building

Gables Engineering
247 Greco Avenue
Coral Gables, Florida 33146

[Click here for directions](#)

Attachment 1

MIAMI, FLORIDA HOTELS

Miami Airport Marriott

1201 N.W. LeJeune Road, Building A

Miami, FL 33126

Phone: (305) 649-5000

Website: www.marriott.com

Check-in: 3:00pm

Check-out: 12:00pm

Onsite Parking fee: \$17.00 USD daily

Valet Parking fee: \$20.00 USD daily

Distance from Gables Engineering: 4.1 miles

Hotel Colonnade Coral Gables, A Tribute Portfolio Hotel

180 Aragon Avenue

Coral Gables, FL 33134

Phone: (305) 441-2600

Website:

<http://www.starwoodhotels.com/tributeportfolio/>

Check-in: 4:00pm

Check-out: 11:00pm

Valet Parking fee: \$30.00 USD daily

Distance from Gables Engineering: 1.53 miles

Courtyard by Marriott

2051 South LeJeune Road

Coral Gables, FL 33134

Phone: (305) 443-2301

Website: www.marriott.com

Check-in: 3:00pm

Check-out: 12:00pm

Onsite Parking fee: \$10.00 USD daily

Offsite Parking fee: \$16.00 USD daily

Distance from Gables Engineering: 1.9 miles

The Mutiny Hotel (On the Bay in Coconut Grove)

2951 South Bayshore Drive

Miami, FL 33133

Phone: (305) 441-2100

Website: <https://www.providentresorts.com/mutiny-hotel/>

Check-in: 3:00pm

Check-out: 12:00pm

Distance from Gables Engineering: 1.9 miles

Parking available

Courtyard by Marriott Coconut Grove

2649 South Bayshore Drive

Coconut Grove, FL 33133

Phone: (305) 858-2500

Website: www.marriott.com/hotels

Check-in: 3:00pm

Check-out: 12:00 pm

Valet Parking fee: \$29.28 USD daily

Distance from Gables Engineering: 2.4 miles

Sonesta Bayfront Beach Hotel

2889 McFarlane Road

Coconut Grove, FL 33133

Phone: (305) 529-2828

Website: www.sonesta.com/coconutgrove

Check-in: 3:00pm

Check-out: 12:00pm

Valet Parking fee: \$30.00 USD daily

Distance from Gables Engineering: 1.6 miles



MIAMI, FLORIDA HOTELS

Hilton Miami Airport

5101 Blue Lagoon Drive

Miami, FL 33126

Phone: (305) 262-1000

Website: www.hilton.com

Check-in: 3:00pm

Check-out: 12:00pm

Self Parking fee: \$19.00 USD daily

Valet Parking fee: \$25.00 USD daily

Distance from Gables Engineering: 5.9 miles

Pullman Miami Airport Hotel

5800 Blue Lagoon Drive

Miami, FL 33126

Phone: (305) 264-4888

Website: www.pullmanhotels.com

Check-in: 3:00pm

Check-out: 12:00pm

Valet Parking Available upon request

Distance from Gables Engineering: 4.86 miles

Embassy Suites (Miami Int'l Airport)

3974 NW South River Drive

Miami, FL 33142

Phone: (305)634-5000

Website: www.embassysuites3.hilton.com

Check-in: 4:00pm

Check-out: 11:00am

Self Parking fee: \$19.00 USD daily

Valet Parking fee: \$25.00 USD daily

Distance from Gables Engineering: 5.7 miles

The Ritz-Carlton Coconut Grove, Miami

3300 SW 27th Avenue

Miami, FL 33133

Phone: (305) 644-4680

Website: www.ritzcarlton.com

Check-in: 4:00pm

Check-out: 11:00am

Valet Parking Fee: \$38.00 overnight **or** \$20.00 daily

Distance from Gables Engineering: 1.7 miles



MIAMI, FLORIDA HOTELS

Residence Inn Marriott Miami Coconut Grove

2835 Tigertail Avenue

Coconut Grove, FL 33133

Phone: (305) 285-9303

Website: www.marriott.com

Check-in: 4:00pm

Check-out: 12:00pm

On-site parking fee: \$20.00 USD daily

Distance from Gables Engineering: 1.7 miles

Mayfair Hotel & Spa

3000 Florida Avenue

Coconut Grove, FL 33133

Phone: (305) 441-0000 or 1-800-433-4555

Website: www.mayfairhotelandspa.com

Check-in: 4:00pm

Check-out: 12:00pm

Parking fee: \$28.00 per night

Distance from Gables Engineering: 1.4 miles

Hampton Inn by Hilton Coconut Grove

2800 SW 28th Terrace

Coconut Grove, FL 33133

Phone: (305) 448-2800

Website: www.hamptoninncoconutgrove.com

Check-in: 4:00pm

Check-out: 12:00pm

Parking garage available (daily charges apply)

Distance from Gables Engineering: 1.5 miles

Hyatt Regency Coral Gables

50 Alhambra Plaza

Coral Gables, FL 33134

Phone: (305) 441-1234

Website: www.coralgables.regency.hyatt.com

Check-in: 3:00pm

Check-out: 12:00pm

Parking fee: \$27.00 overnight

Valet Parking: \$33.00

Distance from Gables Engineering: 2.0 miles



MIAMI, FLORIDA HOTELS

Palmeiras Beach Club at Grove Isle

4 Grove Isle Dr.

Miami, FL 33133

Phone: (305) 858-8300

Website: www.palmeirasbeachclub.com

Check-in: 3:00pm

Check-out: 12:00pm

Valet Parking fee: \$15.00 daily

Distance from Gables Engineering: 3.5 miles

Four Seasons Hotel Miami

1435 Brickell Avenue

Miami, FL 33131

Phone: (305) 358-3535

Website: www.fourseasons.com/miami

Check-in: 3:00pm

Check-out: 12:00pm

Valet Parking & Limousine service available (additional fee)

Distance from Gables Engineering: 4.8 miles

Mandarin Oriental, Miami

500 Brickell Key Dr.

Miami, FL 33131

Phone: (305) 913-8288

Web: www.mandarinoriental.com/miami/brickell-key

Check-in: 3:00PM

Check-out: 12:00PM

Valet Parking available

Distance from Gables Engineering: 5.8 miles

IW Marriott Miami

1109 Brickell Avenue

Miami, FL 33133

(305) 329-3500

Website: www.marriott.com

Check-in: 4:00pm

Check-out: 12:00pm

Valet Parking fee: \$42.00 USD daily

Distance from Gables Engineering: 5.0 miles