



To SAI Subcommittee
GAT Working Group

Date November 3, 2017

From Peter Grau
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Reference 17-999/SMA-049 lth

Subject **Meeting Announcement**
Global Aircraft Tracking (GAT) Working Group

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

When **February 6-7, 2018**
February 6, from 0900 to 1700 (Tuesday)
February 7, from 0900 to 1700 (Wednesday)
Note: The SAI Subcommittee will meet February 8-9 at the same location. Refer to 17-999/SMA-044 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: <http://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, 2018**. The agenda will be finalized one week prior to the meeting.

Meeting Objectives

Global Aircraft Tracking Standards

The AEEC has formed the Global Aircraft Tracking (GAT) Working Group to 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)

Several technologies may 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.

In Miami, the Global Aircraft Tracking Working Group will finalize the Autonomous Distress Tracking document chartered by APIM 17-004 in preparation for the General Session presentation in April.

ICAO Global Aeronautical Distress & Safety System (GADSS)

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

- Normal Tracking – All flight phases – 15-minute interval
- Abnormal Tracking – 1 Minute interval
- Autonomous Distress Tracking – High data rates

Technologies for consideration include Mode S, ADS-B, ADS-C, including space-based Datalink technologies, VHF, and Satcom.

APIM 17-004 – Autonomous Distress Tracking (ADT)

The goal is to define system requirements, equipment architectures, and aircraft installation standards for equipment capable of meeting ICAO GADSS requirements potentially including:

- Satcom-based tracker
- Space-based Automatic Dependent Surveillance – Broadcast (ADS-B)
- Fixed Emergency Locator Transmitter – Distress Tracker (ELT-DT)

Airlines are expected to benefit by being able to meet the forthcoming worldwide Autonomous Distress Tracking mandates in the most effective manner possible.

APIM 17-005 – Timely Recovery of Flight Data (TRFD)

Future work on APIM 17-005 is anticipated as part of the overall work package. Following the ADT activity, the Global Aircraft Tracking Working Group is expected to define system requirements, equipment architectures and aircraft installation standards 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

Onsite Parking fee: \$17.00 USD daily
Valet Parking fee: \$20.00 USD daily
Distance from Gables Engineering: 4.1 miles

The Westin Colonnade

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

Valet Parking fee: \$26.00 USD daily
Distance from Gables Engineering: 1.53 miles

Courtyard by Marriott

2501 South LeJeune Road
Coral Gables, FL 33134
Phone: (305) 443-2301
Website: www.marriott.com

Onsite Parking fee: \$10.00 USD daily
Offsite Parking fee: \$16.00 USD daily
Distance from Gables Engineering: 1.9 miles

Courtyard by Marriott Hotel

2649 South Bayshore Drive
Coconut Grove, FL 33133
Phone: (305) 858-2500
Website: www.marriott.com/hotels

Valet Parking fee: \$24.00 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

Valet Parking fee: \$25.00 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: www3.hilton.com

Self Parking fee: \$15.00 USD daily

Valet Parking fee: \$20.00 USD daily

Distance from Gables Engineering: 5.9 miles

Sofitel Hotel

5800 Blue Lagoon Drive

Miami, FL 33126

Phone: (305) 264-4888

Website: www.sofitel.com

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

Self Parking fee: \$16.00 USD daily

Valet Parking fee: \$18.00 USD daily

Distance from Gables Engineering: 5.7 miles