



To SAI Subcommittee
GAT Working Group

Date May 22, 2018

From Peter Grau
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Reference 18-999/SMA-075 lth

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

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

When **August 21-23, 2018**
Tuesday through Thursday from 0900 to 1700

Host SKYTRAC is hosting the GAT Working Group meeting at the Delta Hotels Grand Okanagan Resort in Kelowna, British Columbia, Canada. A welcome reception will be held at the Delta Hotel at 7:00 PM on Monday, August 20th.

Where Meeting Location
Delta Hotels Grand Okanagan Resort
1310 Water Street
Kelowna, British Columbia V1Y9P3
Canada
Point of Contact
Jane Waite
SKYTRAC Marketing Manager
tel: +1-250-765-2393
email: jwaite@skytrac.ca

Hotels The Delta Hotel Grand Okanagan is the venue hotel. A preferential rate has been established for participants in the Global Aircraft Tracking Working Group. Please reference the AEEC Meeting when phoning in reservations for discounted rates. Hotel reservation information and an alternative hotel list is provided as Attachment 1 to this meeting announcement.

Instructions Please notify the Industry Activities staff of your intention to attend by registering online before **Friday, August 10** 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. 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 (GADDS). 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 AEEC has formed the Global Aircraft Tracking (GAT) Working Group to prepare standards applicable to the ICAO Global Aeronautical Distress and Safety System (GADDS). 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 and space-based ADS-B, satcom, ELT-DT, mixed technologies, and others.

ARINC Project Paper 680: *Autonomous Distress Tracking (ADT) Requirements and Architectures* will be reviewed. The next steps are to develop the characteristic that will specify equipment, interface, and aircraft installation requirements as well as ground system requirements.

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.

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

Technologies for consideration include Mode S, ADS-B, ADS-C, including satcom and VHF datalink.

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 GADDS requirements potentially including:

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

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

Kelowna International Airport (**CYLW**) serves Canada's Okanagan Valley. It is located nine miles northeast of the city. Numerous air carriers offer regularly scheduled flights. International travelers will typically arrive via Toronto, Calgary, Vancouver or Seattle.

Attachment 1

VENUE LOCATION & HOST HOTEL

The event will be hosted at the Delta Grand Okanagan. A preferential rate has been negotiated for group participants. Please register using the link below or contact the hotel and reference the AEEC Meeting for discounted rates.

Delta Hotels Grand Okanagan Resort

1310 Water Street Kelowna, BC, V1Y 9P3
Free Airport Shuttle
Free High-Speed Internet



Reserve by phone at +1 250-763-4500 (reference AEEC Meeting)
Reserve by email at chr.dgogroups@marriott.com (reference AEEC Meeting)

[Click Here to Reserve Online](#)

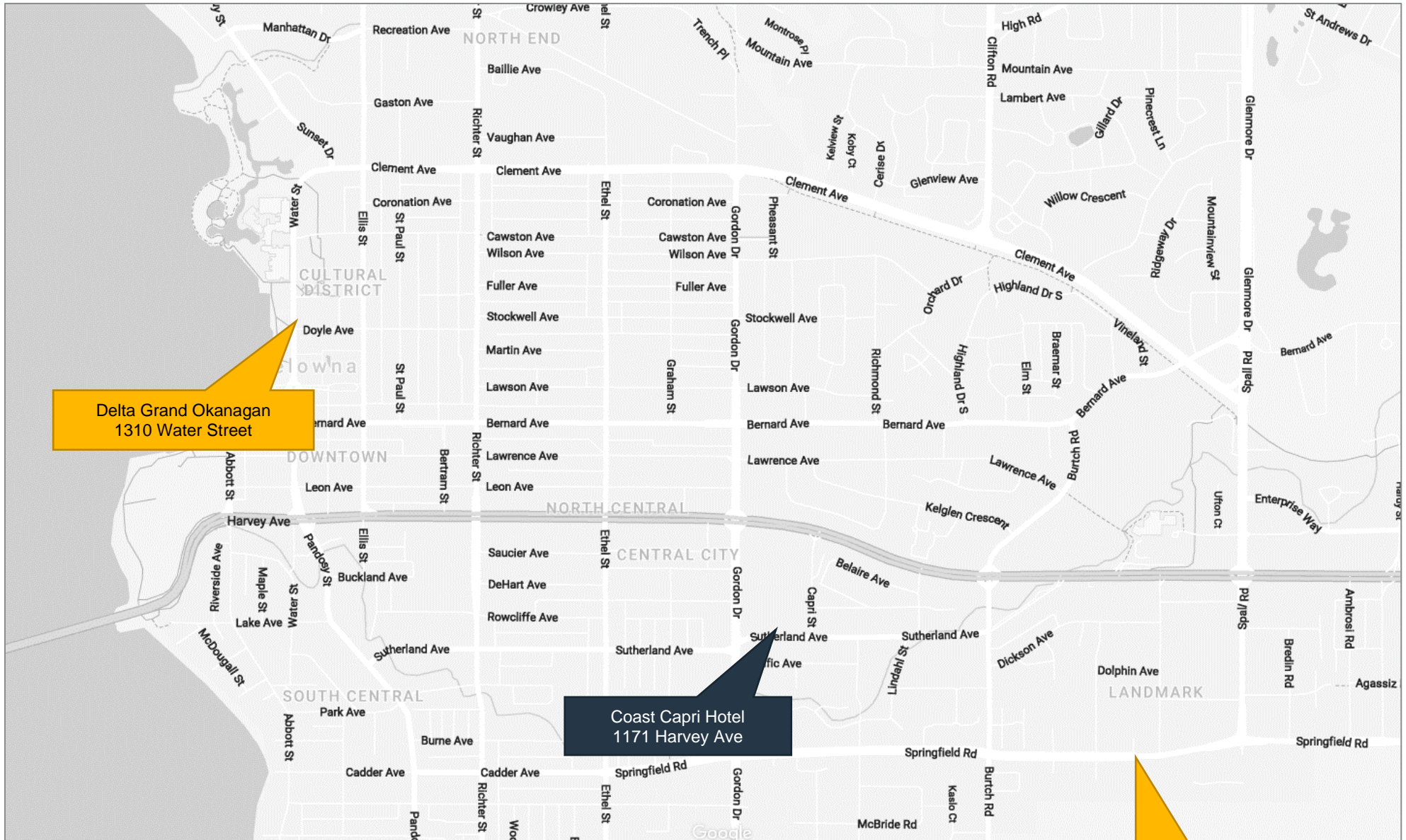
Alternate Accommodations

[Coast Capri Hotel](#)

1171 Harvey Ave, Kelowna, BC V1Y 6E8
+ 250.860.6060
Distance from venue, 4.7 km

[Sheraton Four Points](#)

5505 Airport Way, Kelowna, BC V1V 3C3
(855) 900-5505
Distance from venue, 15.4 km



Delta Grand Okanagan
1310 Water Street

Coast Capri Hotel
1171 Harvey Ave

SKYTRAC Systems
210-1631 Dickson Ave