



To SAI Subcommittee
GAT Working Group

Date January 16, 2018

From Peter Grau
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Reference 18-999/SMA-056 lth

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

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

When **April 10-12, 2018**
April 10-11 0900 to 1700
April 12 0900 to 1500

Host Inmarsat is hosting the GAT Working Group meeting at their headquarters facility in London, United Kingdom.

Where Meeting Location
Inmarsat Headquarters London
99 City Road
London EC1 1AX
United Kingdom
Copeland Room, 8th Floor
Contact: Hannes Griebel, Inmarsat
email: hannes.griebel@inmarsat.com
tel: +44 (0) 20 7728 1095 (office)
+44 (0) 7540 163066 (mobile)
Inmarsat Security – Required of all Attendees
Inmarsat is a secure facility. Participants must send an email message to Hannes Griebel before close of business **April 5, 2018**, and include the following information:

- Your Full Name and contact information
- Organization Name and Address

Travel information is provided later in this AEEC meeting announcement.

Hotels There is a good selection of hotels available to suit your budget and comfort needs. A list of hotels 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/>

In order to satisfy Inmarsat's security requirements, also provide the Point of Contact, Hannes Griebel (hannes.griebel@inmarsat.com) your contact and company information by **April 5, 2018**.

Arrive at the lobby, 15 minutes prior to the meeting (0845), with a valid passport.

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 **April 6, 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 and space-based ADS-B, satcom, ELT-DT, mixed technologies, and others.

At this meeting, work will commence on Phase 3 of APIM 17-004. This is 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.

- 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.

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.

Travel Information

The meeting site (Inmarsat Global Headquarters) and recommended hotels located are about 20 miles (30 minutes) from the London Heathrow Airport (LHR). See Attachment 2 for directions to Inmarsat's Global Headquarters.

Attachment 1

Hotels

The Premier Inn normally has the most economical rates and should be booked on line. For all other hotels, please telephone the hotel and request the Inmarsat rate.

INMARSAT PREFERRED HOTEL SUPPLIERS	
Hotel	Includes
<p>Premier Inn Corsham Street, London, N1 6DR Tel: +44 (0)871 527 9312 Fax: +44 (0)871 527 9313 www.premierinn.com/inmarsat</p> <p>Direct booking on weblink only 5 mins walk from office</p>	<p>Breakfast</p> <p>Wifi in lobby</p>
<p>The Hoxton Hotel 81 Great Eastern Street London EC2A 3HU Tel: +44 (0)20 7550 1000 Fax: +44 (0)20 7550 1090 www.hoxtonhotels.com</p> <p>5 mins walk from office</p>	<p>Lite Pret breakfast</p> <p>Wifi</p>
<p>Hoxton Holborn 199 - 206 High Holborn, London, WC1V 7BD Telephone +44 20 75501000 http://www.hoxtonhotels.com</p> <p>19mins – Northern Line (Piccadilly/Central Tube Stop)</p>	<p>Lite Pret breakfast</p> <p>Wifi</p>
<p>Hilton London Islington 53 Upper Street London N1 0UY Tel: +44 (0)207 354 7700 (Reservations ext 777) Fax: +44 (0)207 354 7711 www.hilton.co.uk/islington</p> <p>10 mins - Northern Line (Angel Tube Stop)</p>	<p>Breakfast</p> <p>Wifi</p>
<p>Portland Apartments Lambs Passage, London EC1Y 888 Tel: +44 117 9249111 www.portlandbrown.com</p> <p>5 mins walk from office</p>	<p>Serviced accommodation</p> <p>Wifi</p>

<p>M' by Montcalm 151-157 City Road, London EC1V 1JS http://www.mbymontcalm.co.uk/</p> <p><i>5 mins walk from office</i></p>	<p>Wifi</p>
<p>Holiday Inn Express 275 Old Street EC1V 9LN Tel: +44 (0)207 300 4444 Fax: +44 (0)207 300 4400 www.hiexpress.com/londoncityex</p> <p><i>5 mins walk from office</i></p>	<p>Breakfast</p> <p>Wifi</p>
<p>Hilton Double Tree 60 Pentonville Road, Islington London N1 9LA Telephone: (0)207 282 5500 Fax:+44 (0)207 282 5511 www.londonislington.doubletree.com</p> <p><i>10 mins - Northern Line (Angel Tube Stop)</i></p>	<p>Breakfast</p> <p>Wifi</p>
<p>Ace Hotel 100 Shoreditch High St London, E1 6JQ, Telephone: +44 207 6139800 www.acehotel.com/london</p> <p><i>10 mins walk from office</i></p>	<p>Breakfast</p> <p>Wifi</p>

Attachment 2

Inmarsat Offices - Directions

99 City Road, London EC1Y 1AX

Tel: +44 (0)20 7728
1000 Fax: +44 (0)20
7728 1044

- Inmarsat's international headquarters is situated in the heart of the City of London.

➤ Directions to Inmarsat (via Tube Stations)

- Inmarsat's location benefits from excellent transportation options. We are right next to **Old Street rail and tube station (Northern Line)**, including the City branch of the Northern Line and National Rail (**leave by exit 3 to reach our building**).
- Alternatively, Old Street Tube Station can be hard to connect to if you are not already on the Northern Line and may be very congested especially during rush hours in the morning and afternoon. It is suggested that a short walk from either **Moorgate and Liverpool Street tube stations**, can generally be more convenient (they are larger & upgraded). Both of these stations have convenient connections to the **Circle, Hammersmith & City, Metropolitan and Central lines**.

➤ Tube & Bus Maps, Journey Planners

- <http://www.tfl.gov.uk/gettingaround/14091.aspx>

- The area is also well served by buses and taxi cabs.

Get Directions My Maps

 **99 City Rd**
Islington, London EC1Y 1AX, UK

