



To AGCS Subcommittee **Date** November 8, 2017

From José Godoy
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Subject **Meeting Announcement**
Air-Ground Communications System (AGCS) Subcommittee

Chairman **Robert Holcomb, American Airlines**

When February 27-March 1, 2018
Tuesday and Wednesday, from 0900 to 1700
Thursday, from 0900-1300

Host Cobham Satcom is hosting the Air-Ground Communications System (AGCS) Subcommittee meeting at the Lagoon Beach Hotel in Cape Town, South Africa. A special hotel rate is available.

Where Meeting Location
Lagoon Beach Hotel
1 Lagoon Gate Drive
Milnerton 7441, Cape Town, South Africa
Tel: +27 (0)21 528 2000
E-mail: info@lagoonbeachhotel.co.za
Point of Contact
Johan Gericke
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Email: johan.gericke@cobham.com
Travel information is provided later in this AEEC meeting announcement.

Hotel The arranged group rate is R1,925 (South African Rand) for a Classic Single Room and R2,225 for a Classic Twin/Double Room (approximately \$138 USD and \$159 USD, respectively). A finite number of rooms are being held for the AGCS Subcommittee between February 25 and March 4, 2018.
Note: The Cobham-arranged group rate is only available for those who contact the hotel and make reservations before **January 10, 2018**.

Please use the following link to book your accommodation. The group rate is applied automatically. Please select your desired dates.

https://www.thebookingbutton.co.uk/properties/lagoonbeachdirect?check_in_date=2018-02-25&check_out_date=2018-03-04&number_adults=1&promotion_code=1967846

Instructions Please notify ARINC Industry Activities (IA) 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 José Godoy (jose.godoy@sae-itc.org). Any material intended to be circulated prior to the meeting should be submitted before February 20, 2018. The agenda will be finalized one week prior to the meeting.

Notes:

1. Meeting attendees are responsible for reviewing and satisfying “Travel to South Africa Requirements,” as a VISA might be required.
2. South Africa has a special requirement that the passport must have two blank pages available on arrival. Your passport should be valid for 30 days after your intended date of departure.

Activity Scope The purpose of this activity is to develop ARINC Installation Standards for Low-Earth and Geostationary Orbiting Aviation Satellite Communication Systems capable of air-to-ground and ground-to-air broadband mobility service while satisfying the requirements to support Air Traffic Services (ATS) and Aeronautical Operational Control (AOC) communications.

Meeting Objectives The AGCS L-Band Satcom Subcommittee will receive program updates from Iridium and Inmarsat (Iridium NEXT/Certus and Inmarsat SwiftBroadband).

The subcommittee will continue to develop **Supplement 1 to ARINC Characteristic 771: Low-Earth Orbiting Aviation Satellite Communications System**, as authorized by **APIM 13-001A**.

The goal is to reach consensus on the content of Supplement 1 to ARINC Characteristic 771 so it may be submitted for adoption consideration at the 2018 AEEC General Session, April 23-26, 2018, in Dallas, Texas.

The topics of discussion are as follows:

- Iridium Configurations Classified by Antenna Requirements:
 - Low Gain Antenna (LGA)
 - Active Low Gain Antenna (ALGA)
 - High Gain Antenna (HGA)
- Iridium Certus Service Classes by Tx/Rx rates:
 - Certus 100
 - Certus 200
 - Certus 350
 - Certus 700
- Interfaces:
 - Ethernet

- ARINC 429
- RF Coax Cabling
- Fiber Optic
- Dual Satellite Data Unit (SDU) Operation and Switching Logic
- Maintenance Information Base (MIB)
- Data Security Considerations:
 - End-to-End Security Objectives
 - Aircraft Control Domain (ACD) protection from the Airline Information Services Domain (AISD) and the Passenger Information and Entertainment Domain (PIESD)

The subcommittee will discuss future work on **ARINC Characteristic 781: Mark 3 Aviation Satellite Communication Systems**.

Travel Information

Lagoon Beach Hotel

The Lagoon Beach Hotel is approximately 18 km (11 miles) from the Cape Town International Airport (CPT). The hotel offers shuttle service to the Cape Town Waterfront area with numerous restaurants and shops (11 km/6.8 miles), as well as to a large mall with many dining options (6 km/3.7 miles).

Travel to South Africa might require a Visa. Please research your specific requirements or contact your local South African Embassy or Consulate.

Recommended transportation is taxi/Uber or automobile (rental car). South Africans drive on the left side of the road. When renting a car, a manual transmission (stick shift) will be provided by default, unless an automatic transmission is specifically requested. The hotel has ample parking.

Air travel: Many airlines service South Africa. Selecting one that flies directly into Cape Town (instead of the hub in Johannesburg) is an advantage. KLM/Air France have daytime flights from Amsterdam and Paris directly to Cape Town. It is a long distance to travel. Arrivals on Sunday, February 25 or Monday, February 26 are recommended.

cc

AOC, DLK, DLUF, KSAT, NIS, SAI