



To SAI Subcommittee **Date** August 3, 2016

From P. J. Prisaznuk **Reference** 16-999/SMA-958 lth
pjp@sae-itc.org
tel: 1-443-254-0528

Subject **Meeting Announcement**
Systems Architecture and Interfaces (SAI) Subcommittee

Chairmen Bob Semar, United Airlines | Reinhard Andreae, Lufthansa

When October 11-12, 2016
Tuesday and Wednesday from 0900 to 1700

Host THALES is hosting the SAI Subcommittee meeting.

Where Meeting Location:
THALES
105 Avenue du Général Eisenhower
31036 - Toulouse, France
tel: +33 5 61 19 65 00

Point of Contact:
Hugues Meunier
tel: +33 5 61 19 76 66/+33 6 86 36 53 60
email: hugues.meunier@fr.thalesgroup.com

Security THALES is a secure facility. For security reasons, all meeting participants **MUST** provide a scanned copy of their passport to THALES no later than **September 26, 2016** (i.e., 2 weeks in advance for THALES). Plan to meet at 0845 each day in the main lobby of THALES.

Hotels There is a wide variety of hotels in Toulouse to suit your budget and comfort needs. A short list of hotels is attached.

Instructions Please notify ARINC Industry Activities of your intention to attend by registering before **September 26, 2016 at:** <http://www.aviation-ia.com/events/>

The meeting is open to all interested parties. Individuals requesting time on the agenda should contact Paul Prisaznuk. The agenda will be finalized one week prior to the meeting.

Meeting Objectives

SAI Subcommittee Meeting in Toulouse

The Systems Architecture and Interfaces (SAI) Subcommittee will prepare avionics system-level guidance for NextGen and SESAR environments. It will discuss the impact of NextGen and SESAR programs on Communication, Navigation, and Surveillance (CNS) equipment.

ARINC Report 660B: *CNS/ATM Avionics Architectures Supporting NextGen/SESAR Concepts* refers to several ARINC Standards that may be impacted by emerging airspace requirements. Future work will be discussed.

ARINC Characteristic 702A: *Advanced Flight Management Computer System* is being updated by the development of Supplement 5 to support NextGen and SESAR airspace initiatives. A status report will be provided.

Global Aircraft Tracking

The SAI Subcommittee will look at various technologies that contribute to positive aircraft tracking. This may include 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.

Proposals to Initiate/Modify ARINC Standards

The SAI Subcommittee will review several APIMs that may lead to the development of new ARINC Standards. The SAI Subcommittee will consider the following:

- APIM 16-001 – New ARINC xxx, Standardization of Avionics Software Performance and Reliability
- APIM 16-009 – ARINC 653, Application Software Standard Interface
- APIM 16-010 – ARINC 620, Datalink Ground System Standard and Interface
- APIM 16-011 – New ARINC xxx, Next Generation Cabin Data Bus (ARINC 485 replacement)
- APIM 16-012 – New ARINC xxx, Global Aeronautical Distress Safety System (GADSS)
- APIM 16-013 – ARINC 743, GNSS Sensor, GNSS Landing System Sensor Unit (GLSSU) and ARINC 755 MMR
- APIM 16-014 – New ARINC xxx, Broadband Network Interface for non-Safety Services
- APIM 16-015 – New ARINC xxx, eEnabled Aircraft Ground System for Managing and Distributing Software Parts
- APIM 16-016 – ARINC 618 and ARINC 758, Data Comm - Ethernet interfaces between CMU, SDU, AeroMACS, etc.
- Other APIM proposals [TBD]

Standards Development and Subcommittee Reports

The SAI Subcommittee will review any standards development activities of interest to assure they are achieving the objectives of the airline community.

THALES VISIT

A visit to THALES Avionics facility is planned. Please note that any camera pictures will be forbidden on the THALES Avionics location.

Travel Information

From Toulouse-Blagnac Airport to THALES

Taxi is recommended.

The distance is approximately 10 km or 6.2 miles using motorways A621 and D980 called « Rocade Arc-en-Ciel ».

From the airport, head west in the direction of Toulouse on A621/D901. Drive 2.2 km, then keep right to merge onto A624 and immediately on the right take the exit toward Auch/Colomiers/Tournefeuille/Saint-Martin du Touch. At this exit, keep left to enter D980 called « Rocade Arc-en-Ciel » toward Tournefeuille/Cugnaux. Drive 4.5 km towards Avenue du Général Eisenhower. Go through the large roundabout and continue straight to 105 Avenue du Général Eisenhower. The THALES facility will be ahead on the right (3rd traffic light).

From Toulouse Centre to THALES

From Place du Capitole the distance is approximately 10 km or 6.2 miles. Join from your starting location, motorway A620 called « Rocade Ouest » or « Peripharique Ouest ».

If joining A620 on north, join A624 going to Auch, and after the exit for the airport, take on the right the exit toward Auch/Colomiers/Tournefeuille/Saint-Martin du Touch. In this exit, keep left to enter D980 called « Rocade Arc-en-Ciel » toward Tournefeuille/Cugnaux. Drive 4.5 km towards Avenue du Général Eisenhower. Go through the large roundabout and continue straight to 105 Avenue du Général Eisenhower. The THALES facility will be ahead on the right (3rd traffic light).

If joining A620 on south, drive west until the A64 exit towards Tarbes. After 0.8 km, take exit on the right towards Tournefeuille. Drive straight along Avenue du Général Eisenhower. THALES is located at 105 Avenue du Général Eisenhower on the left (6th traffic light).

Toulouse Tram and Métro

Toulouse is serviced by two metro lines and a single tram line, offering convenient travel around parts of the Midi-Pyrenees capital. Due to the large workforce at Airbus, the tram may be very busy at peak times 0800 to 0900 and 1700 to 1800.

For THALES, take the Metro Line A (Balma-Gramont/Basso Cambo) until its end at Basso Cambo, and then take a bus 53 (Basso Cambo/Tibaous) just outside the metro station, up to the “Avionique” stop. THALES Avionics is nearby.

If you are staying downtown, keep in mind there is a shuttle bus from TLS airport to downtown. The cost is 8 Euros.

cc

AEEC Executive Committee

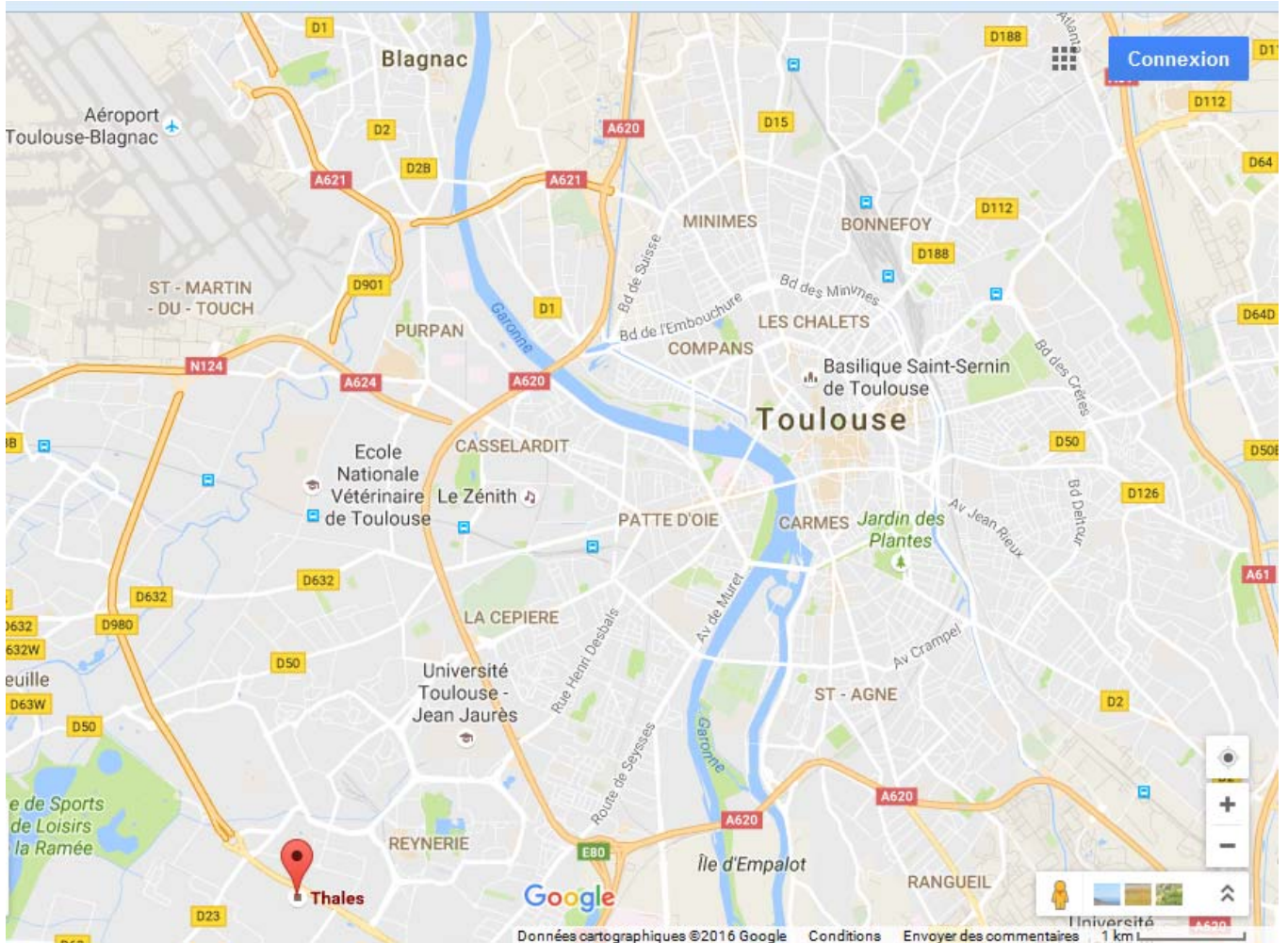
Toulouse Area Hotels Downtown

NOM DE L'HOTEL	Adresse à TOULOUSE	Tel/0033	Nb *
Crowne Plaza	7 place du Capitole	05 61 61 19 19	5
Grand hôtel de l'Opéra	1 place du Capitole	05 61 21 86 66	4
Le grand balcon	8-10 rue Romiguières	05 34 25 44 09	4
Mercure Toulouse Wilson	7 rue Labéda	05 61 12 41 41	4
Mercure Toulouse centre	Rue Saint Jérôme	05 62 27 79 79	4
Novotel Toulouse centre Wilson	15 place Wilson	05 40 33 00 26	4
Citiz hotel	18 allées Jean Jaures	05 61 11 18 18	4
Le Capitole	10 rue Rivals	05 61 23 21 28	2

Toulouse Metro and Tram System



Toulouse Map with THALES Avionics Location



Simplified Map to THALES Avionics

