



To FMS Subcommittee **Date** December 2, 2016

From P. J. Prisaznuk
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tel: 1-443-254-0528 **Reference** 16-999/SMA-981 lth

Subject **Meeting Announcement**
ARINC 702A - Flight Management System (FMS) Subcommittee

Chairman Mike Bakker, GE Aviation

When February 21-23, 2017
Tuesday, Wednesday, and Thursday from 0930 to 1730

Host **Thales Avionics** is hosting the FMS Subcommittee meeting.

Where Meeting Location
Thales Avionics
105 Avenue du Général Eisenhower
31036 - Toulouse, France
tel: +33 5 61 19 65 00
Point of Contact:
Guy Decker
tel: +33 5 61 19 75 01 / +33 6 76 80 40 55
email: guy.deker@fr.thalesgroup.com

Security Thales Avionics is a secure facility. For security reasons, all meeting participants must provide personal data (Full Name, Nationality, Place and date of birth, Passport Number with place and date of delivery), with a scanned copy of their passport to the Thales Point of Contact, **Guy Decker**, no later than **February 6, 2017** (minimum of 2 weeks in advance). Plan to meet at 0915 each day in the main lobby of Thales.

Hotels There is a wide variety of hotels in Toulouse either downtown or nearby (more suitable with personal car) 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 **February 6, 2017 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.

Activity Scope

The FMS Subcommittee will update **ARINC Characteristic 702A: *Advanced Flight Management Computer System***, to support NextGen and SESAR airspace initiatives. The evolution of satellite-based navigation, enhanced datalink, graphical user interfaces and software partitioning are driving these changes. FMS advancements are expected to provide a number of benefits to airlines. These include airspace capacity improvements, user-preferred trajectories, and associated fuel savings. Supplement 5 will be aligned to the applicable RTCA/EUROCAE standards in support of initiatives such as Performance-Based Navigation (PBN) and Trajectory Based Operations (TBO).

Meeting Objectives

FMS Subcommittee Meeting in Toulouse

The FMS Subcommittee will review working papers leading to the development of Supplement 5 to ARINC Characteristic 702A. Topics for discussion include:

- Lateral Path Transition Containment
- Lateral Offset Recommendations
- Leg-Based Required Navigation Performance (RNP) Values
- Final Approach Segment (FAS) Data Block Interface
- FMS Landing System (FLS) Interface
- Air Traffic Services (ATS) Datalink Requirements
- Temperature Compensation for Vertical Approach Guidance
- ETA Windows and TOA Control
- AT, AT or ABOVE Speed Constraints
- Vertical Path Construction
- ACARS Interface Extensions
- Flight Path Intent Bus
- Extended Profile Projection (EPP) Frame
- Glossary of Terms

The goal of the meeting is to reach closure on several topics, leading to the timely development of Supplement 5 to **ARINC Characteristic 702A: *Advanced Flight Management Computer System*** in 2017.

Travel Information

From Toulouse-Blagnac Airport to Thales Avionics

Taxi (or car rental) 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 Avionics

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

If joining A620 from north, follow A624 going to Auch, and after the exit for the airport, take the exit on the right 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 from south, drive west until the A64 exits towards Tarbes. After 0.8 km, take the 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 Métro and Tram

Toulouse has a Métro system offering convenient travel around parts of the Midi-Pyrenees capital. A combination of Tram and Métro can be used to get from the airport to downtown hotels. The Tram lines are BLUE on the map attached to this announcement. Please note Métro can be very busy at peak times 0800 to 0900 and 1700 to 1800.

For Thales, take the RED LINE, Métro Line A (Balma-Gramont/Basso Cambo) to the end at Basso Cambo. Then take Bus 53 (Basso Cambo/Tibaous) just outside the Métro station to the “Avionique” stop. The Thales facility is nearby.

If you are staying downtown, keep in mind there is a shuttle bus from TLS airport that goes to and from downtown on a regular schedule. The cost is 8 Euros.

cc

SAI Subcommittee

Attachment 1

Toulouse Area Hotels Downtown (non-exhaustive)

HOTEL NAME	ADDRESS	Tel/0033	Stars	Distance/ drive time to/from Thales
Crowne Plaza	7 place du Capitole	+33 5 61 61 19 19	5	10 km (19 mins)
Grand Hôtel de l'Opéra	1 place du Capitole	+33 5 61 21 86 66	4	10 km (19 mins)
Le Grand Balcon	8-10 rue Romiguières	+33 5 34 25 44 09	4	13 km (21 mins)
Mercure Toulouse Wilson	7 rue Labéda	+33 5 61 12 41 41	4	11 km (21 mins)
Mercure Toulouse Centre	Rue Saint Jérôme	+33 5 62 27 79 79	4	11 km (21 mins)
Novotel Toulouse Centre Wilson	15 place Wilson	+33 5 40 33 00 26	4	11 km (23 mins)
Hôtel de Brienne	20 Boulevard du Maréchal Leclerc (free pkg)	+33 5 61 23 60 60	4	12 km (16 mins)
Citiz Hotel	18 allées Jean Jaures	+33 5 61 11 18 18	4	15 km (22 mins)
Le Capitole	10 rue Rivals	+33 5 61 23 21 28	2	11 km (25 mins)

Toulouse Area Hotels Nearby Thales Avionics

Park & Suites Village Toulouse-Saint-Simon	6 Impasse de Las Brugues	+33 5 61 07 18 80	3	1.6 km (4 mins)
Residence de Diane - Cerise Hotels & Résidences	3 route de Saint Simon (free pkg)	+33 5 34 36 75 36	4	2.3 km (6 mins)
Courtyard by Marriott Toulouse Airport	4Bis Rue Alain Fournier (free pkg)	+33 5 34 39 80 00	4	7 km (7 mins)
Zenitude Hôtel-Résidences Le Parc de l'Escale	8 rue de Caulet (free pkg)	+33 5 61 72 60 00	4	6 km (8 mins)
Novotel Toulouse Purpan Aéroport	23 Impasse de Maubec (free pkg)	+33 5 61 15 00 00	4	9 km (10 mins)

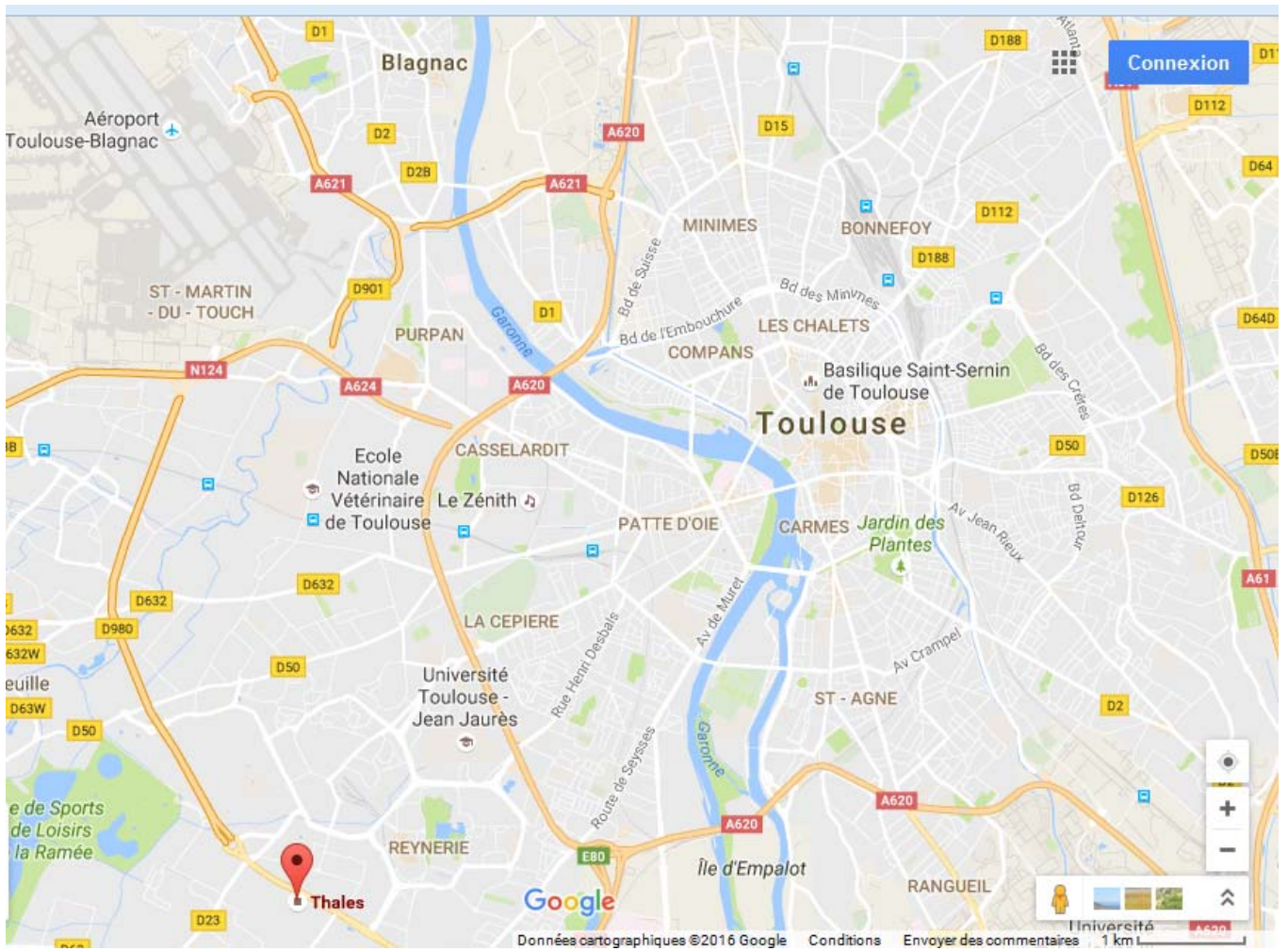
Attachment 2

Toulouse Metro and Tram System



Attachment 3

Toulouse Map with Thales Avionics Location



Simplified Maps to Thales Avionics

