



**To** SAI Subcommittee **Date** March 10, 2016

**From** P. J. Prisaznuk **Reference** 16-999/SMA-936 lth  
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tel: 1-443-254-0528

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

**Chairmen** Bob Semar, United Airlines | Reinhard Andreae, Lufthansa

**When** June 14-16, 2016  
Tuesday and Wednesday from 0900 to 1700  
Thursday from 0900 to 1300

**Host** EUROCONTROL is hosting the SAI Subcommittee meeting.

**Where** Meeting Location:  
**EUROCONTROL Headquarters**  
Rue de la Fusée, 96  
B-1130 Brussels, Belgium  
tel +32 2 729 90 11  
Information:  
<http://www.eurocontrol.int/articles/eurocontrol-headquarters-brussels>  
Contact: Nikolaos Fistas  
email: [nikolaos.fistas@eurocontrol.int](mailto:nikolaos.fistas@eurocontrol.int)  
tel +32 2 729 47 77

**Hotels** EUROCONTROL has negotiated special rates with Brussels area hotels. A list of hotels offering special rates is available at the "Recommended Hotels" link under the EUROCONTROL information link shown above.

**Instructions** The ARINC registration list will be used for admission to the EUROCONTROL facilities. You must notify ARINC Industry Activities of your intention to attend by registering before **June 3, 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 Brussels

The Systems Architecture and Interfaces (SAI) Subcommittee will prepare system-level guidance for equipment and services expected to be used in NextGen and SESAR environments. The EUROCONTROL venue will enable the SAI Subcommittee to hear presentations from subject matter experts within the European community.

### NextGen/SESAR Equipment and System Architectures

The SAI Subcommittee will continue its discussion of NextGen and SESAR programs and the expected impact 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. Airbus is collecting inputs that will lead to an updated version of this standard. 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.

### Emerging Air/Ground Networks

An Internet Protocol Suite (IPS) for Aeronautical Safety Services will be discussed in the context of emerging air/ground networks. These include:

- AeroMACS (766)
- Air/Ground Comm Systems (771, 781)
- Datalink Systems (618, 619, 622, 631, 841)
- Ku/Ka Band Satcom (791, 792, 848)
- Internet Protocol Suite Roadmap Document (658)

### 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 - Software Quality and Reliability
- APIM 16-xxx - Ground Systems Requirements for Managing and Distributing Software Parts
- APIM 16-xxx - ARINC 620 - Datalink Ground System Standard and Interface Definition
- APIM 16-xxx - ARINC 647A - Flight Recorder Electronic Documentation
- APIM 16-xxx - ARINC 653 Update - Application Software Standard Interface
- Other APIM proposals [TBD]

### 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 and aircraft with minimal impact on aircraft production and retrofit.

## 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.

### **Travel Information**

#### From the Airport to Downtown Brussels

The distance from the Brussels Airport (BRU) to the downtown area is 7.5 miles or 12 km. Taxis with a meter are available in front of the arrivals hall. The fare from the airport to Brussels city centre is normally around €50. Licensed taxis have a blue and yellow emblem. Travelers are advised to avoid unlicensed taxis.

A train to all 3 main Brussels stations (Nord/Noord, Central/Centrale and Midi/Zuid) runs from the airport station located at the lower level (-1) of the terminal. When you exit the arrival hall, take the lift or escalator on your right to go down to level -1. Tickets can be purchased at the train station ticket counter. If they are closed, a ticket can be purchased from a vending machine (they only accept Maestro cards). If boarding a train without a ticket, it can be purchased on board, but notify the attendant when getting on the train, to avoid paying a fine. Make sure you have a ticket that includes the Diabolo supplement that is required for all journeys to/from the airport.

For more information: <http://www.belgianrail.be/en/Default.aspx>

#### From the Airport to EUROCONTROL

EUROCONTROL has negotiated special fares with the Unitax airport taxi company. The set price is €16 for the journey between EUROCONTROL and Brussels Zaventem Airport. Payment is possible by credit card or in cash. Tell the driver about this arrangement before beginning your journey. Passengers at the Brussels Airport are picked up in front of the main entrance of the Sheraton Hotel (Departure Level). Contact Unitax at 02 725 25 25 when you are at the pick-up point.

#### Free Shuttle Bus from the Centrale Train Station to/from EUROCONTROL

EUROCONTROL sponsors a complimentary bus departing from the Centrale Train Station in the center of Brussels and other intermediate locations. The EUROCONTROL web site link above provides more details on the current bus time table.

### **cc**




AEEC Executive Committee, AGCS, DLK, FMS, IPS, KSAT

# Attachment 1

**COMING FROM :**

LONDON  
OOSTENDE (A10 / E 40)  
GENT (A10 / E 40)  
ANTWERPEN (A12)




**FOLLOW :**

- \* ZAVENTEM 
- \*  4 BRUSSELS - EVERE (A 201)
- \*  TURN RIGHT AT NATO HEADQUARTERS

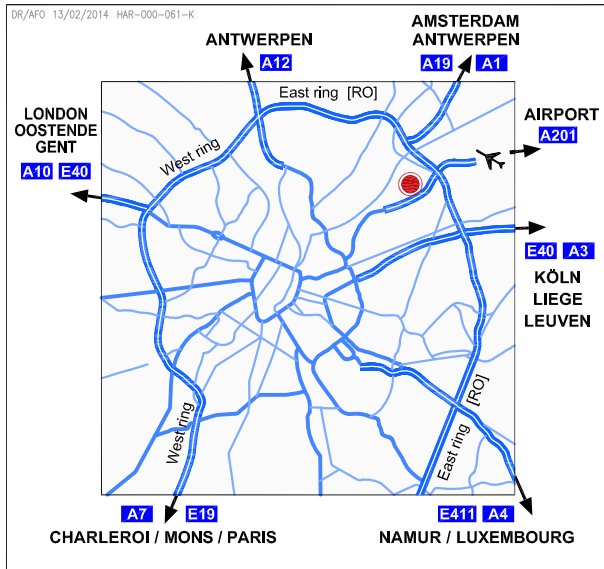
**COMING FROM :**

AMSTERDAM  
ANTWERPEN

**FOLLOW :**

- \* A1 / E19
- \* ZAVENTEM 
- \*  4 BRUSSELS - EVERE (A 201)
- \*  TURN RIGHT AT NATO HEADQUARTERS

DR/AFO 13/02/2014 HAR-000-061-K




BRUSSELS AIRPORT 

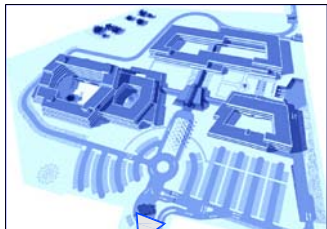
**COMING FROM :**

AIRPORT (A201)

**FOLLOW :**

- \* BRUSSELS (A201)
- \*  TURN RIGHT AT NATO HEADQUARTERS


**EUROCONTROL**



**COMING FROM :**

KÖLN (A3 / E40)  
LIEGE  
LEUVEN



**FOLLOW :**

- \* ZAVENTEM 
- \* BRUSSELS -EVERE (A 201)
- \*  TURN RIGHT AT NATO HEADQUARTERS

**COMING FROM :**

BRUSSELS CITY (BD. LEOPOLD III)



**FOLLOW :**

- \* ZAVENTEM 
- \*  TURN LEFT AT NATO HEADQUARTERS

**COMING FROM :**

BRUSSELS CITY (A3 / E40)



**FOLLOW :**

- \* ZAVENTEM 
- \* BRUSSELS -EVERE (A 201)
- \*  TURN RIGHT AT NATO HEADQUARTERS

**COMING FROM :**

PARIS / MONS (A7 / E19/ R0)  
LUXEMBOURG / CHARLEROI

**FOLLOW :**

- \* ZAVENTEM 
- \* BRUSSELS -EVERE (A 201)
- \*  TURN RIGHT AT NATO HEADQUARTERS



**EUROCONTROL**

RUE DE LA FUSEE , 96  
1130 BRUXELLES (HAREN)  
Tel. : (0032) 2 729 90 11



# Attachment 2

## EUROCONTROL Shuttle Timetable and Bus Stops

This note provides details of changes to the timetables of the navettes (shuttle buses) that run between Haren and downtown Brussels.

From 07/04/2015 the service will operate in accordance with the timetables below:

Matin-Morning	Centrale	Madou	Ambiorix	Plasky	Bordet	EUROCONTROL
1	07:30	07:35	07:40	07:45	07:55	08:00
2	07:50	07:55	08:00	08:05	08:15	08:20
3	08:15	08:20	08:25	08:30	08:40	08:45
4	08:45	08:50	08:55	09:00	09:10	09:15

### *Morning shuttle timetable*

Soir-Evening	EUROCONTROL	Bordet	Meiser	Ambiorix	Madou	Centrale
1	16:10	16:15	16:25	16:30	16:35	16:40
2	17:00	17:05	17:15	17:20	17:25	17:30
3	17:50	17:55	18:05	18:10	18:15	18:20
4	18:40	18:45	18:55	19:00	19:05	19:10

### *Evening shuttle timetable*

The service will be provided by white coaches that are clearly marked Open Tours (see below) with an A4 poster with the EUROCONTROL logo and its destination visible in the wind-screen.



These timetables have been established on the basis of nominal traffic conditions. Depending on the actual traffic conditions the navettes may arrive either a little later or earlier than indicated on the timetable at the intermediate stops. (Open Tours navettes are not permitted to wait at STIB/De Lijn bus-stops so please take note of this restriction).

In addition to the EUROCONTOL main entrance, the navettes will pick up and drop off passengers at the following bus stops:

- Bordet:
  - Morning Evere/Basel STIB bus stop (bus 12) in front of Mobistar building
  - Evening/afternoon Da Vinci STIB bus stop (buses 12, 65) in front of Recordbank building
- Plasky (morning): Meiser STIB bus stop (bus 63) in front of the Hotel Plasky.
- Meiser (evening/afternoon): De Lijn bus stop in front of “Carrefour Market”
- Ambiorix.
  - Morning : Ambiorix STIB bus stop in front No 32 (corner with Rue Archimede)
  - Evening/afternoon : Ambiorix STIB bus stop in front No 12 (corner with avenue de la Brabançonne)
- Madou: Madou STIB bus stop (Bus 63).
- Central Station: Rue de la Putterie - Gare Centrale STIB bus stop (busses 29, 63, 65, 66)

We have placed pin-markers on Google maps at <http://goo.gl/maps/o6syg> for more precise information.

Please be aware that, contrary to previous arrangements, the Open Tours navettes are not permitted to drop passengers at any STIB/De Lijn bus-stops along their route. The stops on the evening routes will only be those indicated on the above timetable.

In the event of disruption along their morning route Open Tours will inform EUROCONTROL Haren front desk that they are experiencing significant delays or cancellation. For the latest details of possible delays to the service please contact the Haren front desk on 02 729 9011. Information on the status of the shuttle service will also be available from your smart-phone at <https://twitter.com/euroshuttle>.



Safety instructions: Passengers are reminded that it is mandatory that they use the seat-belts when the shuttles are equipped with them. Passengers standing in the shuttle are strongly advised to hold the hand rails for stability in the event that the bus stops abruptly.