



To SAI Subcommittee **Date** July 11, 2014

From P. J. Prisaznuk
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tel: 1-410-212-0913 **Reference** 14-999/SMA-841 lth

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

Chairman Bob Semar, United Airlines

When October 20-21, 2014, from 0900 to 1700
Note: The IATA/AEA JURG/60 will meet October 22-23 at the same location.
The AEEC Mid-Term Session will meet October 24 at the same location.

Host EUROCONTROL is hosting the SAI Subcommittee

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>
Contact: Nikolaos Fistas
email: 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 "Find a Hotel" link under the EUROCONTROL information link shown above.

Instructions The ARINC registration list will be used for admission to the EUROCONTROL facilities. Important that you notify ARINC Industry Activities 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 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. Future work will be discussed.

ARINC Characteristic 702A: *Advance Flight Management Computer System* will be updated in the context of 4D Trajectory Based Operations. Application software functional definitions may include those functions required for trajectory based operations, data link communication, and airport surface guidance.

AeroMACS Avionics System Architectures

AeroMACS (Airport Mobile Access Communication System) is intended to support the future airport surface communications. Specialists from EUROCONTROL and their partners will lead the discussion. Step 1 is to develop the desired airborne architecture that will meet airline needs. Step 2 is to define the desired features of AeroMACS equipment in an ARINC Standard.

Proposals to Initiate/Modify ARINC Standards

The SAI Subcommittee will review several APIMs that may lead to new industry activities. The SAI Subcommittee will consider the following:

- APIM 14-002 – ATN over OSI protocol stack
- APIM 14-004 – FMC / AOC temperature uplink proposal ARINC 702A-4
- APIM 14-005 – Traffic Computer with Hybrid Surveillance ARINC 735B-2
- APIM 14-006 – Digital Audio over Serial Links – New 8XX
- APIM 14-xxx – CVR update to support Digital Audio – ARINC 757A-1
- APIM 14-xxx – Global Network Connectivity
- APIM 14-xxx – Small form factor Ku/Ka Satcom
- 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 objective of the airline engineering and maintenance communities.

Travel Information

From the Airport to the Downtown:

The distance from the Brussels Airport (BRU) to downtown Brussels is approximately 7.5miles/12 km. Taxis with a meter are available in front of the arrivals hall. The fare from the airport to the city centre of Brussels is normally around €45. Licensed taxis can be recognized by the blue and yellow emblem. Travelers are advised to avoid unlicensed taxis!

You can take the train from the airport to the city center. A train to all 3 main Brussels stations (Nord/Noord, Central/Centrale and Midi/Zuid) runs from the airport station located at the -1 level of the terminal. When you get out of the arrival hall, take the lift or escalator on your right to go down, and you're there. Tickets can be bought at the counter in the train station hall. In case they are closed, a ticket can be bought from vending machines (they only accept Maestro cards). If boarding a train without a ticket, it can be bought 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.

From the Airport to EUROCONTROL:

EUROCONTROL has negotiated special fares with the **Unitax airport taxi** company for visitors. The set price for 2013 for the journey from Zaventem Airport to EUROCONTROL or vice versa, was €16. Payment is possible by credit card or in cash.

Free Shuttle 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, DFDR, 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

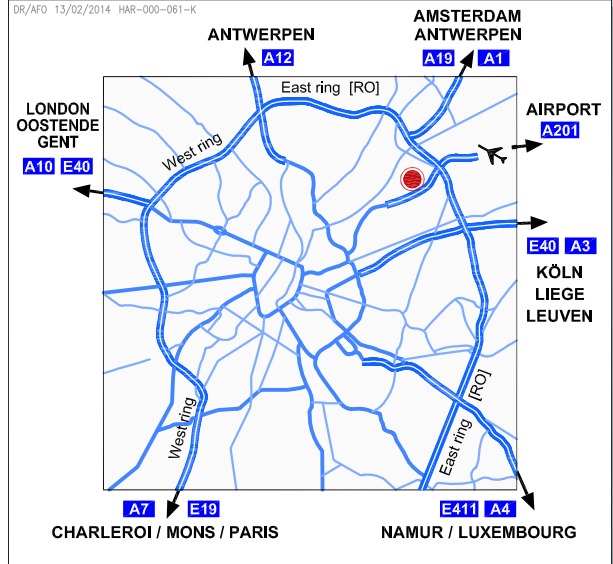
COMING FROM :

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 

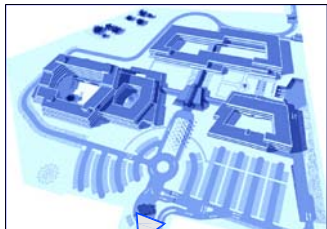
COMING FROM :

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 :

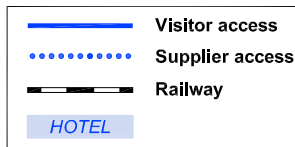
- * ZAVENTEM 
- * BRUSSELS -EVERE (A 201)
- *  TURN RIGHT AT NATO HEADQUARTERS

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 the timetable of the navettes (shuttle buses) that run between Haren and downtown Brussels.

The service operates in accordance with the timetables below:

Centrale	Schuman	Madou	Plasky	Bordet	EUROCONTROL
07:40		07:45	07:55	08:05	08:10
	07:50		08:00	08:10	08:15
08:05		08:10	08:20	08:30	08:35
08:30		08:35	08:45	08:55	09:00
	08:40		08:50	09:00	09:05
08:55		09:00	09:10	09:20	09:25

Morning shuttle timetable

EUROCONTROL	Bordet	Meiser/Plasky	Schuman	Madou	Nord	Centrale
16:10	16:15	16:25		16:40		16:50
16:50	16:55	17:05	17:15			
17:00	17:05				17:30	17:40
17:30	17:35	17:45	17:55			
17:50	17:55	18:05		18:20		18:30
18:40	18:45	18:55	19:05	19:15		19:20

Evening shuttle timetable

The last shuttle to Gare Centrale (18:40) runs a specific itinerary and makes a stop near Schuman (boulevard Charlemagne).

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 EUROCONTROL main entrance, the navettes will pick up and drop off passengers at the following bus stops:

- Bordet:
 - De Lijn bus stop « Evere Bazel » in front of Mobistar buildings (morning shuttles)
 - STIB bus stop (lines 12, 21, 65) “Da Vinci” in front of Record Bank buildings (evening shuttles but 17.00)
 - Chaussée de Haecht - STIB bus stop (line 80) “Bordet station” (17.00 shuttle to Gare Centrale via Gare du Nord)
- Central Station: Rue de la Putterie - STIB bus stop (lines 29-63-65-66) “Gare Centrale”.
- Nord Station: Rue du Progrès - STIB bus stop "CCN" (line 61).
- Madou: Place Madou - STIB bus stop “Madou” (line 63).
- Plasky: Avenue Plasky - STIB bus stop (line 63) “Meiser” in front of the Hotel Plasky.
- Meiser: Chaussée de Louvain - De Lijn bus stop in front of “Carrefour Market”
- Schuman (departure): Rond-Point Schuman - STIB bus stop “Schuman” (in between Rue de la Loi and Avenue de Cortenbergh in front of the entry of the European External Action Service – Triangle Building).

On the days of European summit (see <http://www.european-council.europa.eu/council-meetings?lang=en>) the shuttles from and to Schuman are relocated to Mérode (the stop is located in front of Avenue de Tervuren N°12). On these days, the 18.40 shuttle will stop at Square Ambiorix instead of Schuman-Charlemagne.

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>.

In the event of disruptions to the shuttle service or if you have missed the last shuttle, there are alternative options to reach/leave the Haren site. These include:

- « Gare Centrale » / « Schuman »: Take Metro 1 or 5 direction « Stockel »/« Hermann-Debroux », at « Mérode » take bus 80 direction « Maes » and get off at the terminus located near the rear access to the Haren site.
- « Bordet »: Take bus 80 direction « Maes » and get off at the terminus located near the rear access to the Haren site.
- « Madou » / « Plasky »: Take bus 63 direction « Cimetière de Bruxelles », get off at the terminus, take bus 80 direction « Maes » and get off at the terminus located near the rear access to the Haren site.



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.