To	SAI Subcommittee	**Date**	July 19, 2023
From	Sam Buckwalter Sam.Buckwalter@sae-itc.org tel: 1-443-454-0584	**Reference**	23-999/SMA-335 lth

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

Chair **Kevin McBride, American Airlines**

Host **Austrian Airlines**

When **October 17-18, 2023**

Tuesday and Wednesday, October 17-18, from 0900 to 1700

> Note: The AEEC Mid-Term Session will be held on October 19, 2023, at the same location. Refer to 23-061/AXX-248 for details.

Where Austrian Aviation Center (Training Center)
Objekt 975
1300 Wien-Flughafen
Vienna, Austria

Meeting Location The meeting location will be at the Austrian Airlines Trainings Center and can be reached via a Shuttle Bus between Airport (1) and Training Center (4).

Willkommen im Austrian Aviation Campus - Austrian Airlines Training (austriantraining.com)

The meeting room will be displayed on the screens at the entrance of the Training Center Campus.

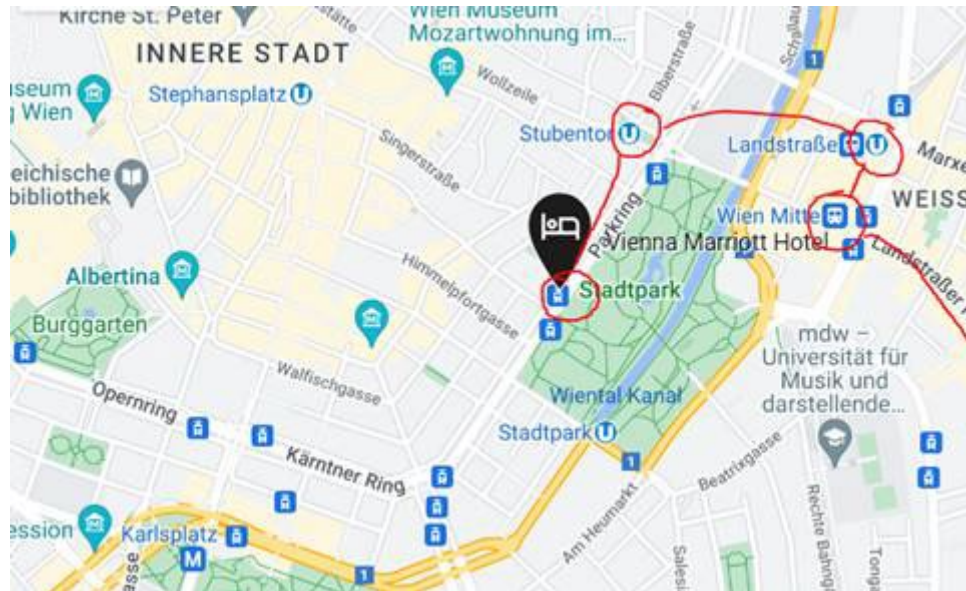|		06:00	06:20	06:40	07:00	07:20	07:40	08:00	08:20	08:40	09:00	09:20	09:40	10:00
1	Flughafen Ankunft (Bus-Steig 1)	06:00	06:20	06:40	07:00	07:20	07:40	08:00	08:20	08:40	09:00	09:20	09:40	10:00
2	Fracht / Parkhaus 8	06:03	06:23	06:43	07:03	07:23	07:43	08:03	08:23	08:43	09:03	09:23	09:43	10:03
3	AUA Schleuse / CP-West (OS Basis)	06:05	06:25	06:45	07:05	07:25	07:45	08:05	08:25	08:45	09:05	09:25	09:45	10:05
4	AUA Haupteingang (Trainingscenter)	06:08	06:28	06:48	07:08	07:28	07:48	08:08	08:28	08:48	09:08	09:28	09:48	10:08
5	Mazur Parkplatz	06:10	06:30	06:50	07:10	07:30	07:50	08:10	08:30	08:50	09:10	09:30	09:50	10:10

Security	For entrance, a personal document (passport) will be required.

Travel Information

Transportation by Train

The City Airport Train runs between "Vienna International Airport" and "Wien Mitte".

At Wien Mitte there is access to Underground Line U3 Landstrasse and it is only one station to Stubentor. From Stubentor it is a short walk to Vienna Marriott Hotel, which is located near the Stadtpark and the Centre of Vienna or you can walk directly from Wien Mitte to the Hotel. See the four circles in red:

Hotels

There are numerous hotels in downtown Vienna or by the airport to meet your budget and comfort needs. Wolfgang Hornbacher, Austrian Airlines, has provided these locations as recommendations.

- The *Vienna Marriott Hotel* can be reached easily from the airport, via the City Airport Train. See attachment 1 for the train map.

For Airport Hotels:

- *Moxy Vienna Airport | Boutique Hotel near Vienna Airport*
- *Hotel NH Vienna Airport Conference Center | nh-hotels.de*

Moxy Vienna Airport and NH Vienna Airport are located directly at the Airport near the City Airport Train Station.

Instructions

Please notify the Industry Activities staff of your intention to attend by registering online before **Friday, October 6, 2023** at: *https://aviation-ia.sae-itc.com/forms/meeting-registration-form*.

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

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

Meeting Objectives

NextGen and SESAR Equipment and Architectures

The SAI Subcommittee will continue the effort in developing **ARINC Project Paper 660C:** *CNS/ATM Avionics Architectures Supporting NextGen/SESAR Concepts*. This effort gives full consideration to NextGen and SESAR airspace initiatives. How these programs affect Communication, Navigation, and Surveillance (CNS) equipment architectures will be discussed.

The goals stated in APIM 22-001 include:

1. Identify updates to FAA NextGen, European SESAR, and ICAO ASBU plans, and other sub-sections as needed. Discuss role that CNS/ATM systems, both air and ground, play in operational efficiency and long-term sustainability of aviation.
2. Provide updates to Satellite Navigation infrastructure deployment & standards development plans, Datalink Communication deployment plans, ADS-B In applications, SWIM, and others. Add new technologies, including IPS, LDACS, ACAS-X$_{A/O}$, Space-based ADS-B, and others.
3. Provide updates to the mandate summary and Retrofit Requirements for each of the Avionics Architectures. Add new sub-section for Avionics Architecture.
4. Identify additional ARINC Standards that may require revisions to support NextGen/SESAR airspace initiatives.

Radio Altimeter Developments for 5G

The SAI Subcommittee will continue its discussion of 5G terrestrial communication plans and the potential impact on the radio altimeter. A status report will be provided.

APIMs

Proposals to Initiate/Modify ARINC Standards

The SAI Subcommittee will review several draft proposals that may lead to the development of new ARINC Standards. Proponents are invited to secure a place on the SAI agenda and present their APIM in person.

In preparation for the AEEC General Session to be held May 2024. The SAI Subcommittee will discuss the following:

- Cockpits Display Systems
- Software Data Loading
- Internet Protocol Suite, ARINC 858
- Other APIM proposals TBA

cc AEEC ExCom, AOC, CDS, IPS, SDL

Attachment 1

Legend

- **U1** U-Bahn-Linie / metro line
- **S** S-Bahn-Linie / regional commuter train
- ✈ City Airport Train

U6 Neue Donau
S Floridsdorf

U4 Heiligenstadt
Oberdöbling
Krottenbachstr.
Gersthof
Hernals
Ottakring **U3**
Breitensee
Penzing
S45

Spittelau
Nußdorfer Straße
Währinger Straße Volksoper
Michelbeuern AKH
Alser Straße
Josefstädter Straße
Kendlerstraße
Hütteldorfer Straße
Thaliastraße
John-straße
Burggasse Stadthalle
Schweglerstraße
Westbahnhof
Gumpendorfer Straße

Jäger-straße
Dresdner Straße
Friedensbrücke
Roßauer Lände
Schottenring
Schottentor
Rathaus
Herrengasse
Schwedenplatz
Zieglerg.
Neubaug.
Margaretengürtel

Handelskai
S45
Traisengasse
Taborstraße
Nestroypl.
Praterstern
Messe Prater
Krieau
Stadion
Stadlau

Leopoldau **U1**
Großfeldsiedlung
Aderklaaer Straße
Rennbahnweg
Kagraner Platz
Kagran
Alte Donau
Kaisermühlen VIC
Donauinsel
Vorgartenstraße

Seestadt **U2**
Aspern Nord
Hausfeldstraße
Aspernstraße
Donauspital
Hardeggasse
Donaustadtbrücke
Donaumarina

CAT CITY AIRPORT TRAIN

Stubentor
Stephansplatz
Karlsplatz **U2**
Stadtpark
Volkstheater
Museumsquartier
Pilgramgasse
Kettenbrückengasse
Niederhofstraße

Landstraße/Wien Mitte
Rochusgasse
Kardinal-Nagl-Platz
Schlachthausgasse
Erdberg
Gasometer
Zippererstraße
Enkplatz
Simmering

Hütteldorf **U4**
Ober St. Veit
Unter St. Veit
Braunschweiggasse
Hietzing
Schönbrunn
Meidling Hauptstraße
Längenfeldg.

Matzleinsdorfer Platz
Hauptbahnhof
Südtiroler Platz
Taubstummengasse
Quartier Belvedere
Rennweg

Bahnhof Meidling **S**
Tscherttegasse
Am Schöpfwerk
Alterlaa
Erlaaer Straße
Perfektastraße
Siebenhirten **U6**

Keplerplatz
Reumannplatz
Troststraße
Altes Landgut
Alaudagasse
Neulaa
U1 Oberlaa

U3

Flughafen Wien
Vienna Airport

CAT CITY AIRPORT TRAIN