AEEC

Together "We Set the Standard."

To	Aviation Industry	**Date**	August 19, 2021
From	P. J. Prisaznuk AEEC Executive Secretary pjp@sae-itc.org tel: 1-443-254-0528	**Reference**	21-999/SMA-239 lth

Subject **Meeting Announcement**
Systems Architecture and Interfaces (SAI) Subcommittee
AEEC Mid-Term Session 2021

AEEC Chairmen Jessie Turner, Boeing
Robert Swanson, FedEx

SAI Chairmen Rich Stillwell, United Airlines
Reinhard Andreae, Lufthansa

Host ARINC Industry Activities

When **SAI Subcommittee – Wednesday, October 6, 2021**

AEEC Mid-Term Session – Thursday, October 7, 2021

Web conference schedule each day:

Meeting Times	US Pacific	US Eastern	Central European
Start	0700	1000	1600
Adjourn	0900	1200	1800

Where The meetings will be held online. Details to be provided.

Instructions Please notify the Industry Activities staff of your intention to attend by registering online at: *https://www.aviation-ia.com/events*.

AEEC meetings are open to all interested parties. Individuals requesting time on the agenda should contact Paul Prisaznuk before September 30, 2021.

SAI Meeting Objectives

SAI Subcommittee Meeting

October 6, 2021 – The Systems Architecture and Interfaces (SAI) Subcommittee will discuss avionics system-level guidelines intended for new airplanes and major retrofit programs. It will discuss emerging Communication, Navigation, and Surveillance (CNS) equipment.

Avionics Architectures for CNS/ATM Equipment

The SAI Subcommittee will consider a proposal to update **ARINC Report 660B:** *CNS/ATM Avionics Architectures Supporting NEXTGEN/SESAR Concepts.*

The scope and schedule for updating this document will be discussed, Should there be sufficient interest, an APIM will be prepared for further discussion in early 2022.

5G Cellular Impact on Aircraft

The SAI Subcommittee will continue its discussion of 5G terrestrial communication plans and potential impact to the radio altimeters. Likewise, satellite communications may be susceptible to 5G signals. A status report will be provided.

AEEC Meeting Objectives

AEEC Mid-Term Session

October 7, 2021 – The AEEC Executive Committee will meet to consider the adoption of new ARINC Standards. It will also consider new projects for 2021 and 2022.

Draft Agenda

1. Welcome and Introductions
2. Presentation – *Satcom Evolution*
3. Traffic Surveillance (ACAS, ISS, Transponder)
4. Airborne Weather Radar
5. Electronic Flight Bag (EFB)
6. Airline Operational Communication (AOC)
7. Application/Executive (APEX) Software
8. Galley Inserts (GAIN)
9. Software Distribution and Loading (SDL)
10. ARINC 600 – Connector Size 4
11. Fiber Optic Interfaces
12. Announcements
13. Adjourn

AEEC Adoption Items

The AEEC Executive Committee will consider the adoption of the following documents:

Agenda Item	Activity	Document
5	EFB	**ARINC Project Paper 679:** *Aircraft Server, Communications, and Interface Standard*
6	AOC	**Supplement 4 to ARINC Specification 633:** *AOC Air-Ground Data and Message Exchange Format*
7	APEX	**Supplement 1 to ARINC Specification 653:** *Avionics Application Software Standard Interface, Part 3A, Conformity Test Specifications for ARINC 653 Required Services*
8	GAIN	**Supplement 6 to ARINC Specification 810:** *Definition of Standard Interfaces for Galley Insert (GAIN) Equipment Physical Interfaces*

Proposals to Initiate/Modify ARINC Standards

The AEEC Executive Committee will review Subcommittee progress and consider updates to project scope and schedules. These include:

- **APIM 19-009B** – ARINC Project Paper 735C: Traffic Computer, ACAS-X and ADS-B Functionality – new schedule
- **APIM 19-007A** – ARINC Project Paper 768A: Second Generation Integrated Surveillance System (2G ISS) – new schedule
- **APIM 19-008B** – ARINC Project Paper 748: Airborne Weather Radar with Advanced Antenna Technology – new scope and schedule
- **APIM 19-005A** – Supplement 5 to ARINC Specification 633: AOC Air-Ground Data and Message Exchange Format – proposed
- **APIM 21-007** – ARINC Specification 653: Avionics Application Software Standard Interface (multi-part update)
- **APIM 19-013A** – Supplement 7 to ARINC Specification 810: Definition of Standard Interfaces for Galley Insert (GAIN) Equipment Physical Interfaces – proposed
- **APIM 20-002A** – Supplement 21 to ARINC Specification 600: Air Transport Avionics Equipment Interfaces – new schedule
- **APIM 21-006** – Supplement 5 to ARINC Report 803: Fiber Optic Design Guidelines and Supplement 3 to ARINC Report 804: Fiber Optic Active Device Specification

cc AOC, APEX, DLK, EFB, FOS, GAIN, ISS, NIC, SAI, SDL, XPDR