



To Aviation Industry
SAI Subcommittee

Date August 14, 2020

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Reference 20-999/SMA-183 lth

Subject **Meeting Announcement**
Systems Architecture and Interfaces (SAI) Subcommittee and
AEEC Mid-Term Session 2020

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 7, 2020**
AEEC Mid-Term Session – Thursday, October 8, 2020
Web conference schedule each day:

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

Where This meeting will be 100% virtual. 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 October 2, 2020.

SAI Meeting Objectives

SAI Subcommittee Meeting

October 7, 2020 – 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.

ICAO Global Aeronautical Distress and Safety System (GADSS)

The Timely Recovery of Flight Data (TRFD) Working Group will provide a summary report. The impact Autonomous Distress Tracking (ADT) and TRFD on the airlines and aircraft manufacturers will be discussed.

Future Radio Architectures for CNS/ATM

The SAI Subcommittee will review status of **ARINC Project Paper 678: Communication, Navigation and Surveillance (CNS) Radio System Architectures** and plan future work.

5G Telephony Impact on Aircraft

The SAI Subcommittee will continue its discussion of 5G terrestrial communication plans and potential impact to the aircraft. For example, the Radio altimeter may be impacted. Likewise, satellite communications may be susceptible to 5G signals. A status report will be provided.

AEEC Meeting Objectives

AEEC Mid-Term Session

October 8, 2020 – The AEEC Executive Committee will meet to discuss old business and new business. It will consider the adoption of new ARINC Standards. It will consider new projects for 2020 and 2021.

AEEC Adoption Item

The AEEC Executive Committee will consider the adoption of **Supplement 1 to ARINC Specification 641: Logical Software Part Packaging for Transport**. This document was prepared by the Software Distribution and Loading (SDL) Subcommittee during several online conferences.

This standard addresses the following:

- Conversion of existing ARINC 615 Field Loadable Software (FLS) media into a digitally secured FLS, for compatibility with existing ARINC 665 and ARINC 835 standards and FLS e-distribution processes.
- Regeneration of ARINC 615 media sets from a digitally secured FLS, for backward compatibility with existing in-service floppy based loaders.

Proposals to Initiate/Modify ARINC Standards

The AEEC Executive Committee will consider several project requests for activities expected to take place during 2020 through 2023. These include:

- APIM 19-010A – ARINC 661 Cockpit Display System Interfaces
- APIM 20-002 – ARINC 600 Size 4 Connector

The work program for 2020 through 2021 will be presented.

cc

CDS, DLK, General Session, SDL