

**AEEEC**

*Together "We Set the Standard."*



# **Airlines Electronic Engineering Committee (AEEEC)**

## **AEEEC GENERAL SESSION 2021**

**May 11 and May 13, 2021**

**Jessie Turner**



*Paul J. Prisaznuk*  
*AEEEC Executive Secretary*

**Robert Swanson**





## AEEC General Session Online Meeting Agenda - draft -

Session 1 - May 11 - 0700 PDT, 1000 EDT, 1600 CET (2.5 to 3.0 Hours)  
 Session 2 - May 13 - 0700 PDT, 1000 EDT, 1600 CET (2.5 to 3.0 Hours)

Time (EDT)	Tuesday May 11	Wednesday May 12	Thursday May 13
1000	<p style="text-align: center;"><u>SESSION 1</u></p> <ol style="list-style-type: none"> <li>1. Welcome &amp; Introductions</li> <li>2. Presentation - 5G Cellular Interference to Aircraft - ASRI</li> <li>3. Presentation - Formation Flying - AIRBUS</li> </ol> <p>AEEC SUBCOMMITTEE REPORTS</p> <ol style="list-style-type: none"> <li>4. Systems &amp; Architectures                             <ul style="list-style-type: none"> <li>• CNS Radios</li> <li>• Timely Recovery of Flight Data (TRFD)</li> </ul> </li> <li>5. Internet Protocol Suite (IPS) for Aeronautical Safety Services</li> <li>6. Network Infrastructure and Security (NIS)</li> </ol>	(no mtg)	<p style="text-align: center;"><u>SESSION 2</u></p> <ol style="list-style-type: none"> <li>7. Introduction</li> <li>8. Presentation - Air Traffic Growth Projections - IATA</li> </ol> <p>AEEC SUBCOMMITTEE REPORTS</p> <ol style="list-style-type: none"> <li>9. Datalink Systems</li> <li>10. Electronic Flight Bag (EFB) and EFB Users Forum</li> <li>11. Software Distribution &amp; Loading</li> <li>12. Ku/Ka-Band Satcom</li> <li>13. Cabin Systems</li> <li>14. Galley Inserts</li> </ol> <p>AEEC Work Program</p>
1230 1300	Network Break		Network Break

# AEEC General Session Detail

## May 11 Agenda Draft

4. **Systems Architecture and Interfaces (SAI) Subcommittee, CNS Radio W/G, TRFD W/G, Adoption Drafts**
  - 4a - ARINC Project Paper 678, CNS Distributed Radio Architecture Framework
  - 4b - ARINC Project Paper 681, Timely Recovery of Flight Data
5. **Internet Protocol Suite (IPS) Subcommittee, Adoption Drafts**
  - ARINC Project Paper 858, Internet Protocol Suite, Part 1, Airborne IPS System Technical Requirements
  - ARINC Project Paper 858, Internet Protocol Suite, Part 2, IPS Gateway Interface Considerations
  - APIM 15-004B Internet Protocol Suite (IPS), ARINC 858 Part 1 and ARINC 858 Part 2, Supplement 1
6. **Network Infrastructure and Security (NIS) Subcommittee, Adoption Drafts**
  - ARINC Project Paper 687, Onboard Secure Wi-Fi Network Profile Standard
  - ARINC Project Paper 688, Intersystem Network Infrastructure
  - APIM 21-001 Guidance For Usage Of Digital Certificates, ARINC 842, Supplement 3

# AEEC General Session Detail

## May 13 Agenda Draft

9. **Datalink Systems / Datalink Users Forum (MAY 13)**
  - **Presentation Content TBD**
10. **EFB Subcommittee / EFB Users Forum**
  - **APIM 21-002 Electronic Flight Bag, Wireless EFB Interfaces, new ARINC Project Paper 8xx**
  - **EFB Users Forum Plan for 2021 - 2022**
11. **Software Distribution and Loading (SDL) Subcommittee, Adoption Draft**
  - **Supplement 1 to ARINC Report 645, Common Standards for Software Distribution and Loading**
  - **APIM 21-003 System Level Guidance for Software Loading, new ARINC Project Paper 8xx**
  - **APIM 21-004 Secure Software Loading, ARINC 615A, Supplement 4**
12. **Ku/Ka Band Satcom Subcommittee**
  - **APIM 16-006A Ku/Ka Band Satcom, ARINC 791 Part 2, Supplement 2**

# AEEC General Session Detail

## May 13 Agenda Draft

### 13. Cabin Systems Subcommittee (CSS), Adoption Draft

- Supplement 2 to ARINC Specification 800, Cabin Connectors and Cables, Part 2, Specification of Connectors, Contacts, and Backshells
- **APIM 21-005** Cabin Systems - ARINC 628 Part 1 and ARINC 628 Part 0, Supplements (combines scope of 5 APIMs & new schedule)
  - Global CWAP operational management (closes APIM 15-006)
  - HD Landscape Camera, Update Network System Components, 4K Ultra High Definition (closes 16-005A)
  - Multi-Gigabit CWAP definition +100 Gbps (closes APIM 17-009)
  - Cabin and cargo video surveillance (closes APIM 17-011)
  - Cabin cell phone modem standardization (closes APIM 17-013)
- **APIM 18-001A** Cabin Systems 5GCN - ARINC Project Paper 8xx & Fiber Optic Stds
- **APIM 19-004A** Cabin Systems Secure Media Independent Messaging, ARINC Project Paper 8xx

### 14. Galley Inserts Subcommittee (GAIN), Adoption Drafts

- Supplement 2 to ARINC 812A Part 1, Standard Data Interfaces for Galley Insert (GAIN) Equipment
- **APIM 17-007A** Galley Inserts (GAIN), ARINC 812A Part 2, Supplement 1

# ***BACKUP SLIDES***



January 2021

**AEEC Executive Committee**  
 Co-Chairman - Jessie Turner - Boeing  
 Co-Chairman - Robert Swanson - FedEx  
 AEEC Executive Secretary - Paul Prisaznuk

January 2021



# AEEC's On-Line Work Program: 2021 (draft)

## Online Hours per Month - January thru June

	Activity	Name	J	F	M	A	M	J	J	A	S	O	N	D	Number Mtgs	Total Hours
1	AEEC EXCOM	AEEC General Session / AEEC Mid-Term	1	1	1	1	4	1							7	9
2	AGCS	Air-Ground Communications and Satcom	2	0	2	0	2	0							3	6
3	AOC	AOC Messaging	12	2	4	2	4	16							13	40
4	APEX	Application Executive Software	2	2	4	2	2	2							6	14
5	CDS	Cockpit Display Systems	4	2	2	2	2	2							6	14
6	CNS Radio	CNS Distributed Radio Architectures	2	2	2	2	0	0							4	8
7	CSS	Cabin Systems	3	3	3	3	3	3							12	24
8	DLK Sys	Data Link Systems	12	2	4	2	4	18							13	42
9	DLK Users	Data Link Users Forum	1	8	1	0	0	10							5	11
10	EFB	Electronic Flight Bag	2	6	2	2	2	2							6	16
11	EFB Users	EFB Users Forum	1	1	1	12	1	1							6	17
12	FOS	Fiber Optic Interfaces	2	0	2	0	2	0							3	6
13	GAIN	Galley Inserts	2	2	6	2	2	2							6	16
14	IPS	IPS for Aeronautical Safety Services	12	2	12	2	2	2							10	32
15	KSAT	Ku/Ka-Band Satellite System Cabin	10	4	4	4	4	12							13	38
16	NDB	Navigation Data Base	0	0	0	0	0	0							0	0
17	NIS	Network Infrastructure and Security	12	4	4	4	?	?							9	24
18	SAI	Systems Architecture and Interfaces	0	2	0	0	0	2							2	4
19	SDL	Software Distribution and Loading	3	3	3	3	3	3							12	24
20	TRFD	Timely Recovery of Flight Data	2	2	2	2	0	0							4	8
21	XPDR	Traffic Surveillance and ISS	3	3	10	3	3	10							12	32
22	WXR	Weather Radar	3	3	8	3	3	8							12	28
23	ARINC 600	ARINC 600 Size 4 Connector Definition	2	0	2	0	2	0							3	6
															<b>167</b>	<b>419</b>