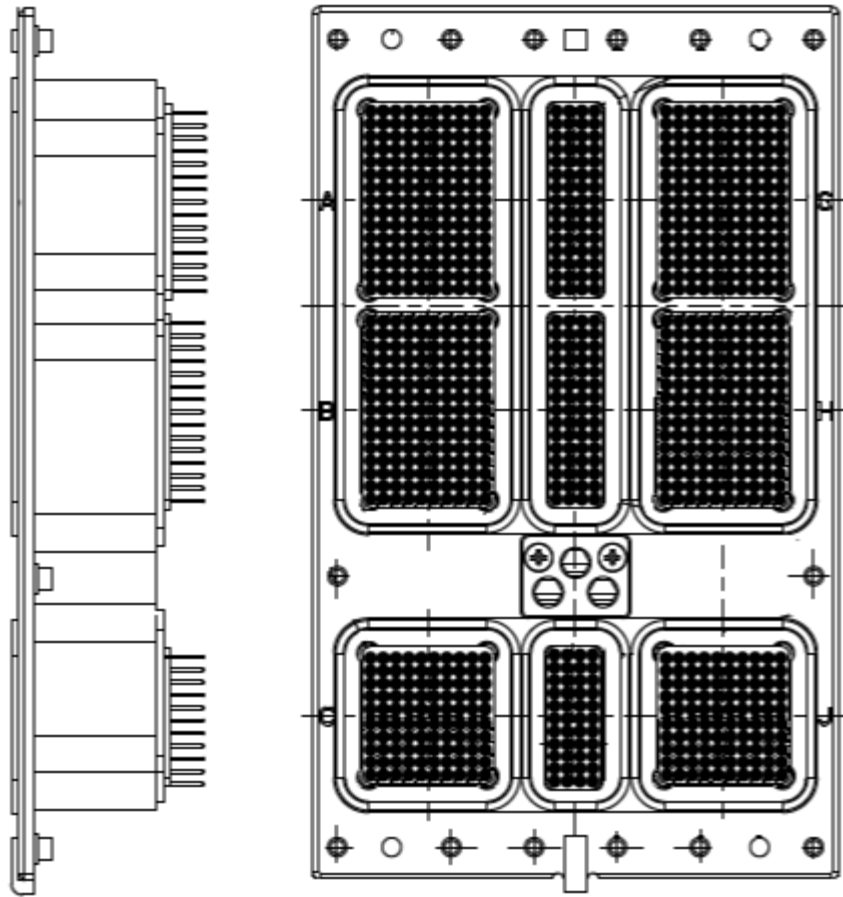


ARINC Project Initiation/Modification (APIM)

- 1.0 Name of Proposed Project** **APIM 20-002**
Supplement 21 to ARINC Specification 600: Air Transport Avionics Equipment Interfaces
Size 4 ARINC 600 Connector, Rack and Panel (960 pins)
- 1.1 Name of Originator and/or Organization**
AIRBUS
- 2.0 Subcommittee Assignment and Project Support**
- 2.1 Suggested AEEC Group and Chairman**
ARINC 600 Connector Working Group
Chairman TBD
- 2.2 Support for the Activity (as verified)**
Airlines: TBD
Airframe Manufacturers: AIRBUS
Suppliers: RADIALL / SOURIAU / TE
Others: to add system suppliers → AIRBUS AVIONICS (internal suppliers)
- 2.3 Commitment for Drafting and Meeting Participation (as verified)**
Airlines: TBD
Airframe Manufacturers: AIRBUS
Suppliers: RADIALL / SOURIAU / TE
Others: to add system suppliers → AIRBUS AVIONICS (internal suppliers)
- 2.4 Recommended Coordination with other groups**
Cabin Systems Subcommittee
SAI Subcommittee
- 3.0 Project Scope (why and when standard is needed)**
- 3.1 Description**
The aim is to increase:
- New connector size with 3 additional cavities
 - Shell number available
 - Pins number
- See attached presentation.



Receptacle connector

Mandate/regulatory requirement yes no
 Program and date: (program & date)
 Is the activity defining/changing an infrastructure standard? yes no
 Specify: ARINC 600 standard
 When is the ARINC standard required? Dec 2021
 What is driving this date?
 to secure system architecture new development with buy strategy
 Are 18 months (min) available for standardization work? yes no
 If NO please specify solution: _____
 Are Patent(s) involved? yes no
 If YES please describe, identify patent holder: _____

3.3 Issues to be Worked

(Describe the major issues to be addressed.)
 Additional cavities with existing ARINC 600 shells (cf. drawing).

3.4 Security Scope

Is Cyber Security Impacted (if yes, check box(es) below) yes no
 Aircraft Control Domain yes no
 Airline Information Services Domain yes no
 PAX Information and Entertainment Systems yes no
 Other _____ yes no

4.0 Benefits

4.1 Basic Benefits

Operational enhancements yes no
 For equipment standards:
 (a) Is this a hardware characteristic? yes no
 (b) Is this a software characteristic? yes no
 (c) Interchangeable interface definition? yes no
 (d) Interchangeable function definition? yes no
 If not fully interchangeable, please explain: _____
 Is this a software interface and protocol standard? yes no
 Specify: _____
 Product offered by more than one supplier yes no
 Identify: RADIALL / SOURIAU / TE

4.2 Specific Project Benefits

Offer more PIN contact per avionics equipment to system.

4.2.1 Benefits for Airlines

Enabler for more integrated systems (e.g. Reduce number of avionics S/N)

4.2.2 Benefits for Airframe Manufacturers

Offer more PIN contact per avionics equipment to system,

4.2.3 Benefits for Avionics Equipment Suppliers

Foster an ecosystem around a new standardized connector.

5.0 Documents to be Produced and Date of Expected Result

ARINC 600 Standard update for December 2021.

5.1 Meetings and Expected Document Completion

6 meetings to be anticipated during the 18 months

The following table identifies the number of meetings and proposed meeting days needed to produce the documents described above.

Activity	Mtgs	Mtg-Days (Total)	Expected Start Date	Expected Completion Date
<i>ARINC 600</i>	<i>6</i>	<i>18</i>	<i>06/2020</i>	<i>12/2021</i>

Please note the number of in-person meetings and the number of meeting days to be supported by the ARINC IA Staff.

Please add a statement describing the frequency of web conferences.

6.0 Comments

These meetings will be held online until in-person travel is viable.

6.1 Expiration Date for the APIM

December 2022

***Completed forms should be submitted to Paul Prisaznuk (pjp@sae-itc.org)
AEEC Executive Secretary & Program Director***