

ARINC Project Initiation/Modification (APIM)

1. Name of Proposed Project

APIM: 09-003B

Supplement 3 to ARINC Specification 840: Electronic Flight Bag (EFB) Application Control Interface (ACI) Standard.

Software specification only

yes no

2. Subcommittee Assignment and Project Support

2.1 Identify AEEC group

Electronic Flight Bag (EFB) Subcommittee.

2.2. Support for the activity

Organizations: Airbus, American Airlines, Apple, Astronautics, Astronics, Boeing, British Airways, Comply365, Delta Air Lines, FedEx, Jeppesen, Lextech, Lufthansa Airlines, Lufthansa Systems, PACE, Rockwell Collins, Sabre, Southwest Airlines, Teledyne, United Airlines, UTC Aerospace, [others, TBI]

2.3. Commitment for resources (directly from participant)

Organizations: Airbus, American Airlines, Apple, Astronautics, Astronics, Boeing, British Airways, Comply365, Delta Air Lines, FedEx, Lextech, Lufthansa Airlines, Lufthansa Systems, PACE, Rockwell Collins, Sabre, Southwest Airlines, Teledyne, United Airlines, UTC Aerospace, [others, TBI]

2.4. Recommended Coordination with other groups

The following activities are relevant to this topic:

- ARINC 633 AOC Messaging Application
- ARINC 828 Electronic Flight Bag (EFB)
- ARINC 834 Aircraft Data Interface Function (ADIF)

3. Project Scope

3.1 Description

The software components installed on an EFB can be distinguished either as being underlying system software (e.g. operating system or system services such as input / output service) or as being applications for specific purposes (e.g. electronic charting, document viewers, technical logbooks).

ARINC Specification 840 presently defines a standard for the Application Control Interface (ACI) that exists between the Application Control Component (ACC) software and EFB applications in all classes of EFB. The standard is intended for implementation by each ACC software provider and each EFB application developer. It provides the means to launch and control applications on different EFB platforms without change to any other EFB system software, "Main Menu" application, or the application itself.

4.5 Benefit for EFB Equipment and Application Suppliers

- Flexibility to add new applications.
- Reduced integration time to validate new applications.
- Reduced integration for third party developers to integrate on different COTS EFB platforms and aircraft specific hardware.
- Single data entry removes hurdles to new EFB application adoption as the number of applications available continues to grow.
- Applications will be inter-operable across different COTS EFBs.

5. Documents to be Produced and Date of Expected Result

Supplement 3 to ARINC Specification 840: Electronic Flight Bag (EFB) –
Application Control Interface (ACI) Standard - April 2018

6. Meetings/Expected Document Completion

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
Supplement 3 to ARINC 840	4	2 x 1(w/EFBUF) 2 x 3 (dedicated) 8 total days	June 2017	April 2018

6.1 Expiration date for this APIM

October 2018

7. Comments

Any other information deemed useful to the committee for managing this work.

For AEEC staff use only:

Date Received:

AEEC staff:

Potential impact: New Acft

(New aircraft/system)

Resolution:

Date of Resolution: First:

Rev A:

(Withdrawn, Authorized, Deferred, More detail needed, Rejected)