

ARINC IA Project Initiation/Modification (APIM)

Name of proposed project

APIM #: 17-209

Update and production of Supplement 2 to ARINC Report 434: Synthetic Training Device (STD) – Life Cycle Support

Suggested Subcommittee assignment

This project will not require a formal working group. The update will be a collaboration across steering committee members who represent a wide representation of the flight training industry.

Project Scope

Develop a Draft document for Supplement 2 to ARINC Report 434. This may include:

1. Updating regulatory references
2. Changing term STD to FSTD or possibly FTD
3. Provide references to other non-ARINC documents
4. Provide references to new or updated FSEMC-developed ARINC Standards
5. Update drawings, figures, and tables as needed to meet current requirements or case studies
6. Editorial modifications as needed

Project Benefit

The Standard is a reference for simulator users, training device manufacturers, and component suppliers to use when procuring, maintaining, operating, and decommissioning a flight training device.

The document covers quantity of component spares, device documentation, software support, configuration control, and maintenance scheduling.

There is no part of the flight training device industry that ARINC Report 434 would not benefit from this guidance. **It is hoped that the group will share experiences that will lead to the development of practical guidelines for the preventive maintenance of older devices, and improved processes for newer devices. As a result, this should lead to the ability to more effectively maintain and repair flight training devices to reduce costs and down time.**

Companies Supporting This Issue

The FSEMC Steering Committee is comprised of 10 airlines and 8 other industry organizations including airframers, training device manufacturers, users, and components suppliers. All present at the summer meeting were positive about the update.

Issues to be worked

Same as the list of items listed above in Project Scope.

Examples of problem areas to be resolved:

Same as the list of items listed above in Project Scope

Recommended Coordination with other groups

The FSEMC Steering Group liaises with other industry groups and has enough knowledge of the industry to perform a technical update to ARINC Report 434. No other coordination is needed.

Projects/programs supported by work

Continued support of existing and legacy devices, new aircraft developments, new FSTDs types, major avionics updates, etc.

Timetable for projects/programs

2Q 2018 at the latest

Documents to be produced and date of expected result

Supplement 2 to ARINC Report 434

Comments

None

Meetings

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

Activity	Mtgs	Mtg-Days	Docs
ARINC 434	Web conference only		1 Supplement

For IA staff use

Date Received IA staff assigned: **Scott Smith**

Potential impact:

(A. Safety B. Regulatory C. New aircraft/system D. Other)

Forward to committee(s) (AEEC, AMC, FSEMC): **FSEMC** Date Forward:

Committee resolution: **1**___

(0. Withdrawn 1. Authorized 2. Deferred 3. More detail needed 4. Rejected)

Assigned Priority: ___ Date of Resolution:

A. – High (execute first) B. – Normal (may be deferred for A.)

Assigned to SC/WG **Staff Activity and Steering Committee**