

## **ARINC Project Initiation/Modification (APIM)**

- 1.0 Name of Proposed Project** **APIM #: 10-012**  
**ARINC Specification 600: Air Transport Avionics Equipment Interfaces**  
(Inclusion of fiber optic adapters and continuing review of technical content)
- 1.1 Name of Originator & Organization**  
Scott L. Smith, ARINC Industry Activities – NIC Subcommittee Secretary
- 2.0 Subcommittee Assignment and Project Support**
- 2.1 Suggested AEEC Group and Chairman**  
New Installation Concepts (NIC) Subcommittee  
Robert Nye, The Boeing Company
- 2.2 Support for the activity**  
Airlines:  
Airframe Manufacturers: Airbus, The Boeing Company  
Suppliers:  
Others:
- 2.3 Commitment for Drafting and Meeting Participation (as verified)**  
Airlines:  
Airframe Manufacturers: Airbus, The Boeing Company  
Suppliers:  
Others:
- 2.4 Recommended Coordination with other groups**  
AEEC Fiber Optic Subcommittee (FOS)
- 3.0 Project Scope**  
This project will document text, figures, and dimensional information of fiber optic adapters for use in aircraft connectors and interfaces.
- 3.1 Description**  
The NIC Subcommittee will document fiber optic adapters for use in aircraft connectors and interfaces. This work has been planned, but was contingent upon Supplements 17 and 18 to ARINC Specification 600 incorporating the insertion forces technical information and the dimensional changes to the quadrax connectors.  
Following these two previous supplements, the fiber optic adapters will be discussed and documented into ARINC Specification 600.  
This APIM will also allow for minor technical revisions and maintenance to



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

Connector manufacturers such as: Amphenol, Radiall, ITT Canon, etc

## 4.2 Specific project benefits

### 4.2.1 Benefits for Airlines

Standardized parts, methods, and procedures for efficiency

### 4.2.2 Benefits for Airframe Manufacturers

Standardized parts, methods, and procedures for efficiency

### 4.2.3 Benefits for Avionics Equipment Suppliers

Standardized requirements for parts, methods, and procedures for efficiency

## 5.0 Documents to be Produced and Date of Expected Result

Supplement 19 to ARINC Specification 600

### 5.1 Meetings and 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
<i>Supplement 19 to ARINC Specification 600</i>	3	6	06/2010	03/2011

The NIC Subcommittee will logically meet with the FOS Subcommittee, approximately 3 times a year. This is because some of the FOS participants are the industry experts on fiber optic connectors. The FOS SC has ongoing projects for the same timeframe as this APIM.

**6.0 Comments**

None

**6.1 Expiration Date for this APIM**

April/2011

For AEEC staff use only

Date Received: Mar 10, 2010

AEEC staff : \_\_\_\_\_

Potential impact: \_\_\_\_\_

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

Resolution: \_\_\_\_\_

*Authorized, Deferred, Withdrawn, More Detail Needed, Rejected*)

Assigned to SC/WG: \_\_\_\_\_