

ARINC IA Project Initiation/Modification (APIM)

Name of proposed project

APIM #: 17-101

Update of ARINC Report 662: Strategies to Address Electronic Component
Obsolescence in Commercial Aircraft

Suggested Subcommittee assignment

Obsolescence Management Guidance (OMG) Group

Project Scope

ARINC Report 662, *Strategies to Address Electronic-Component Obsolescence in Commercial Aircraft*, is a first-generation report defining guidance in combating obsolescence in air transport industry. The update will ensure accuracy and consistence with evolving industry practices.

Furthermore, the standards need to address test equipment, software, individuals, chemicals, and documentation obsolescence.

Project Benefit

The update is intended to ensure the continued viability of ARINC 662 with incursion of the new development strategies to support proper handling of obsolescence. Besides electronics components, the spec will also provide awareness that there are also different fields of obsolescence which can impact maintenance of electronics components.

Airlines supporting effort

- KLM/Air France

Issues to be worked

A review of ARINC 622 indicates that enhancements may be necessary to bring the document into line with existing practices and to improve readability:

- Changes due to technological evolution of aircraft components.
- Installation of references to other ARINC Standards.
- Obsolescence impact in related areas
- Guidance to minimize obsolescence in design phase of components
- Guidance how to detect and proceed if obsolescence is detected

Recommended Coordination with other groups

None at the moment.

Projects/programs supported by work

Next evolution of avionics for existing aircraft and next development of Avionics

Timetable for projects/programs

End of 2017

Documents to be produced and date of expected result

ARINC 662-1

Meetings

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

Activity	Mtgs	Mtg-Days
ARINC 662-1	2	2.5 days

For IA Staff use

Date Received: 1 December 2016

IA Staff Assigned: SPB

Potential impact: D

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

Forward to committee(s) (AMC):

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(0 Withdrawn 1 Authorized 2 Deferred 3 More detail needed 4 Rejected)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