

ARINC IA Project Initiation/Modification (APIM)

1.0 Name of Proposed Project **APIM #: 09-008**
Update and maintain existing Airport Mapping Document, ARINC 816

2.0 Subcommittee Assignment and Project Support

2.1 Identify AEEC Group

AMDB Subcommittee

2.2 Support for the activity

Airlines: **Air France, Lufthansa**

Airframe Manufacturers: **Boeing and Airbus**

Suppliers: **Rockwell Collins, Thales, Jeppesen**, and **Honeywell**

Others:

2.3 Commitment for resources

Same as above

2.4 Chairman:

Air France, Fabrice Bresson

2.5 Recommended Coordination with other groups

NDB Subcommittee and **RTCA SC 217**

3.0 **Project Scope** (*why and when standard is needed*)

RTCA SC-217 advised that there is a need to open ARINC 816 and start working on Supplement 2 of ARINC 816 starting the end of 2009 or early 2010. The following is a list of needs, not necessarily comprehensive. There are as follows, in no particular priority order:

- 1) Remove surftype from grouping for Runway Element (e.g. KHOU rwy 17.35)
- 2) Revisit triangle fans
- 3) Attribute for polygons and lines indicating number of vertices
- 4) Make StripIndex only use array of bytes, not array of count, to limit polygons to 256 vertices
- 5) Incorporate DO-272B/DO-291A updates
 - a) restacn
 - b) change numberid to idnumber?
 - c) HotSpots
 - d) gsurftyp for ServiceRoads
 - e) Blastpads
- 6) Are helipad containers needed (only a couple in the DB have IDs)?
- 7) Fix figure 2.3.2.1-2 to be counterclockwise
- 8) How should non-existent features be handled: empty set or include nothing?

3.3 Issues to be worked

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: All above companies

4.2 Specific project benefits

4.2.1 *Benefits for Airlines*

4.2.2 *Benefits for Airframe Manufacturers*

4.2.3 *Benefits for Avionics Equipment Suppliers*

5.0 Documents to be Produced and Date of Expected Result

5.1 Meetings and Expected Document Completion

Activity	Mtgs	Mtg-Days (Total)	Expected Start Date	Expected Completion Date
ARINC 816-2	2	3 day?	4/2010	End of 2011

6.0 Comments