

ARINC Project Initiation/Modification (APIM)

- 1.0 Name of Proposed Project** **APIM #: 10-006**
Cabin Communication Systems (CCS)
Supplement 6 to ARINC 746 - Payment Card Industry (PCI) Compliance
- 1.1 Name of Originator & Organization**
Phil Watson, Panasonic
- 2.0 Subcommittee Assignment and Project Support**
It is recommended that the Cabin Systems Subcommittee (CSS), augmented with security specialists, telecommunications experts, and other interested parties be assigned to perform this work.
Though IFE suppliers are directly impacted, Inmarsat classic aero service providers should participate.
- 2.1 Suggested AEEC Group and Chairman**
It is recommended that the Cabin Systems Subcommittee (CSS) complete this work as part of its 2010 work program.
Chairman: Dale Freeman, Delta Air Lines
- 2.2 Support for the activity (as verified)**
Airlines:
Lufthansa (TBC), any airline with classic telephony today or desiring such over SBB
Airframe Manufacturers:
Airbus, Boeing
Suppliers:
Panasonic Avionics Systems
ARINC
SITA
Inmarsat
Others:
- 2.3 Commitment for Drafting and Meeting Participation (as verified)**
Airlines:
Airframe Manufacturers:
Suppliers: Panasonic will provide the necessary manpower and active support as required. Panasonic will also provide an industry editor for this effort.
Others:
- 2.4 Recommended Coordination with other groups**
AGCS: to confirm there is no impact to SDU equipment.
NIS: for key management aspects.

so changes can be made and put in place before the date.

Are 18 months (min) available for standardization work? yes no

If NO please specify solution:

Strawman is already prepared by Panasonic Avionics.

Are Patent(s) involved? yes

If YES please describe, identify patent holder:

3.3 Issues to be worked

Backward-compatibility with existing SDU and other intermediary equipment. Desire to affect only the endpoints: IFE systems and Service Provider credit card processing equipment.

4.0 Benefits

4.1 Basic benefits

The usefulness of an ARINC Standard is led by the spirit to reduce the Direct Operating Cost (DOC) of an aircraft. As the DOC includes production cost (via the sales price) as well as the relevant operating cost, this method ensures the whole life time of an aircraft is covered. Suppliers offering 746-compatible equipment: Thales, Panasonic, Honeywell-Racal, Rockwell-Collins, MORS.

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: Supplement 6 to ARINC 746

Product offered by more than one supplier yes no

Identify: (company name)

4.2 Specific project benefits (Describe overall project benefits.)

This will provide the means necessary to process cabin telephone calls paid for by payments cards, e.g., credit card, crew card, prepaid card.

4.2.1 Benefits for Airlines

4.2.1 Benefits for Airlines:

This will enable airlines to continue to provide classic aero telephony services for customers using payment cards.

4.2.2 Benefits for Airframe Manufacturers

This is necessary to meet airline expectations.

4.2.3 Benefits for Avionics Equipment Suppliers

Update can be done with a scheduled IFE software update and minimal impact to onboard systems.

5.0 Documents to be Produced and Date of Expected Result

Supplement 6 to ARINC Characteristic 746 per the table below.

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
Supp 6 to ARINC 746	2	1/2 day each*	May 2010	Aug 2010

*Covered by regular CSS meetings.

6.0 Comments

Agreement between IFE and Service Providers is expected to take place before end of 2009 (TBC). AEEC work is intended to formalize that agreement.

6.1 Expiration Date for this APIM

April 2011

For AEEC Secretary use only

Date Received: Jan 15, 2010

Assigned to: _____

Potential impact: _____

(A. Safety

B. Regulatory

C. New aircraft/system D. Other)

Resolution: _____

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

Assigned to SC/WG: _____