

## ARINC Project Initiation/Modification (APIM)

- 1.0 Name of Proposed Project** **APIM #: 10-013**  
Supplements 6 and 7 to ARINC Specification 631 – VHF Digital Link (VDL) Mode 2 Implementation Provisions
- 1.1 Name of Originator & Organization**  
Jose Godoy, ARINC IA Staff
- 2.0 Subcommittee Assignment and Project Support**
- 2.1 Suggested AEEC Group and Chairman**  
Data Link (DLK) Systems Subcommittee  
Suggested Chairman: Joe Slavinsky, Fed Ex
- 2.2 Support for the activity (to be confirmed)**  
Airlines: Fed Ex, Lufthansa (DLH)  
Airframe Manufacturers: Airbus, Boeing  
Suppliers: Honeywell, Rockwell Collins  
Others: SITA, ARINC
- 2.3 Commitment for Drafting and Meeting Participation (to be confirmed)**  
Airlines: Fed Ex  
Airframe Manufacturers: Airbus, Boeing  
Suppliers: Honeywell, Rockwell  
Others:
- 2.4 Recommended Coordination with other groups**  
DLK User's Forum and EUROCONTROL LINK 2000+ Programme
- 3.0 Project Scope**  
This project creates Supplement 6 and 7 to ARINC Specification 631. Supplement 6 revises the VDLM2 protocol, specifically focusing on multi-frequency provisions. The proposed changes are supportive of FAA goals for an efficient system. Some of the changes reflect a previous request by EUROCONTROL to include multi-frequency provisions in FSL.  
  
Supplement 7 will clarify and resolve issues that might arise during Link 2000+ and NextGen system integration. The Supplement will address multi-frequency provisions including Autotune procedures and the inclusion of a Capability Bit. It also anticipates VDL Broadcast/Multi-Aircraft Call procedures.

**3.1 Description**

This is a routine update to ARINC 631.

**3.2 Planned usage of the envisioned specification**

New aircraft developments planned to use this specification      yes  no

    Airbus:                      (aircraft & date)

    Boeing:                     (aircraft & date)

    Other:                      (manufacturer, aircraft & date)

Modification/retrofit requirement                                      yes  no

    Specify:                     (aircraft & date)

Needed for airframe manufacturer or airline project                yes  no

    Specify:                     (aircraft & date)

Mandate/regulatory requirement                                        yes  no

    Program and date:        (program & date)

Is the activity defining/changing an infrastructure standard?      yes  no

    Specify                      (e.g., ARINC 429)

When is the ARINC standard required?

    Oct 2010 for ARINC 631-6

    Oct 2011 for ARINC 631-7

What is driving this date?

Eurocontrol LINK2000+ Programme.

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

    Are Patent(s) involved?    yes  no

    If YES please describe, identify patent holder: \_\_\_\_\_

**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:

