



To DLK Systems Subcommittee **Date** January 5, 2021
From José F. Godoy **Reference** 21-999/SMA-203 lth
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Subject Meeting Announcement
Data Link (DLK) Systems Subcommittee

Note: This is a joint meeting with EUROCAE WG-92 and RTCA SC-214

Chairs **AEEC DLK Systems Subcommittee: Robert Holcomb, American Airlines and Joseph Westbrook, FedEx**

EUROCAE WG-92: Stéphane Pelleschi, Collins Aerospace

RTCA SC-214: Claire Robinson, Spectralux

When **January 26-29, 2021**

Tuesday through Friday – Web conference schedule for each day:

Meeting Times	US Pacific	US Eastern	Central European
Start	0700	1000	1600
Break	0900	1200	1800
Adjourn	1100	1400	2000

Where This meeting will be 100% virtual. Details to be provided.

Instructions Please notify the ARINC Industry Activities staff of your intention to attend by registering online at: <https://www.aviation-ia.com/events>.

This meeting is opened to all interested parties. Individuals requesting time on the agenda should contact José Godoy before January 19, 2021. The agenda and web conference instructions will be distributed to those that register one week prior to the meeting.

Activity Scope The goal of this activity is to develop Standards that promote the efficient transfer of VHF ACARS, VDLM2 AOA and Air Traffic Service data between the aircraft and the ground. These Standards benefit the operation of Controller-Pilot Data Link Communications (CPDLC), e.g., The FAA NextGen Data Communications Program and the Single European Sky (SES) Data Link Services (DLS) Programme.

Meeting Objectives

The VDL Standards Group (AEEC DLK Systems Subcommittee, EUROCAE WG-92, and RTCA SC-214) will meet to develop VDLM2 Standards necessary for aviation infrastructure improvements.

The status and schedule of the following standards will be reviewed.

- Supplement 9 to **ARINC Specification 618: *Air-Ground Character-Oriented Protocol Specification***, as authorized by APIM 17-003
- Supplement 9 to **ARINC Specification 631: *VHF Digital Link (VDL) Mode 2 Implementation Provisions***, as authorized by APIM 17-002B
- **EUROCAE ED-92D: *Minimum Operational Performance Standards (MOPS) for Aircraft VDL Mode 2 Physical Link and Network Layer***
- **RTCA DO-224E: *Minimum Operational Performance Standards (MOPS) for Aircraft VDL Mode 2 Physical Link and Network Layer***
- **RTCA DO-281D: *Signal-in-Space Minimum Aviation System Performance Standards (MASPS) for Advanced VHF Digital Data Communications Including Compatibility with Digital Voice Techniques***

Meeting topics include:

- VDLM2 Radio Receiver Interference Concerns
 - Standards Implication
 - VDLM2 Radio Alternate Sensing Survey
- VDLM2 subnetwork use in future ATN/IPS networks
 - Security and other requirements
 - “Connectionless VDLM2”
 - Orange Protocol and other protocols to enable Connectionless VDLM2 and seamlessly supports AOA, ATN/OSI, and ATN/IPS
- Review of FAA Data Comm and European DLS Operational Issues
- Update VDL Operational Matrix
- Advanced VHF Concept (94.5 kbps versus 31.5 kbps)
- Update Action Item list