



AEEC Data Link Users Forum

AFC Fall 2016 - Austin

25-26 October 2016

CONFIDENTIAL - AFC Membership Only

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- **Goal:** The goal of the Data Link Users Forum (DLUF) is to assist aircraft operators to improve the system performance and maximize the operational and economic benefits of air/ground data link communication services through the exchange of technical information. The DLUF is a coordinating activity among airlines and cargo carriers, aircraft manufacturers, avionics manufacturers, and data link service providers on technical issues of mutual interest leading to the identification and resolution of common problems.

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- The DLUF holds two meetings each year with one in the US and one in Europe
- The DLUF Objectives
 - Interoperability and Spectrum Efficiency
 - Advanced Data Link Communications
 - ATS Data Link Communications Applications
- The DLUF meetings are normally hosted by a participant organization

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- A European DLUF meeting was held on September 13 - 14, 2016 in Dublin, Ireland hosted by Airtel ATN
 - The key issue was obtaining the status of the Enhanced Large Scale ATN (ELSA) consortium work
- A Media Independent Aircraft Messaging (MIAM) Workshop was held on September 12, 2016
- An airline only roundtable meeting was held on September 15, 2016 to review the previous meeting results and identify items for discussion at the future DLUF meetings

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- The ELSA consortium involves a set of stakeholders who collectively carried out a very significant number of flight recording campaigns, technical stress tests, simulations, data analysis and radio-frequency modelling
- The ELSA Consortium recommendations were divided into four categories (ground system, avionics, standards, and network/oversight):
 - Ground system recommendations deal with VDL frequency issues, future frequency expansion, optimizing network coverage, protocol improvements, and implementing a transition roadmap for multi-frequency deployment
 - Avionics recommendations include upgrade of avionics to the 'best in class' performance and updating pilot procedures to avoid unnecessary avionics resets

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- Standards recommendations include defining and implementing a certification process, documenting selected interoperability improvements and clarifications and updating multi-frequency interoperability as required, and
- Network/oversight recommendations include establishing and empowering a pan EUR AG datalink implementing function having appropriate steering responsibilities, including performance monitoring and spectrum coordination function, and including certification and validation (ground and airborne) of subsystems.
- The impact of the recommendations and schedule delays still need to be reviewed and discussed further

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- The next US DLUF meeting is scheduled for February 7-8, 2017 hosted by Iridium in Tempe, Arizona
 - Key issue will be tracking the status of the FAA Data Communications Program including performance metrics
 - Review the status of the ELSA consortium recommendations and impact to the European CPDLC participants
 - The FAA Performance-Based Operations Aviation Rulemaking Committee (PARC) Communication Working Group (CWG) meeting is scheduled in same location prior to the DLUF meeting
 - There was an airline request for an update on the AFC VDL frequency plan and a briefing on the EFMG
- An airline only roundtable meeting is scheduled for the morning of February 9, 2017 to review the previous meeting results and identify items for discussion at the future DLUF meetings



- Questions?