



# AEEC Data Link Users Forum

Melbourne, FL  
March 10-11, 2015

# AEEC Data Link Users Forum



- **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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- The last DLUF meeting was held on February 3 - 4, 2015 in Panama City, Panama hosted by Copa Airlines
- Key items of interest included:
  - The FAA Controller Pilot Data Link Communications (CPDLC) program status
  - CPDLC Operations in Europe European Commission (EC) Data Link Services Implementing Rule (DLS IR) Status
  - Other CAA CPDLC program status
  - Satellite provider updates
  - Service provider responses to key issues



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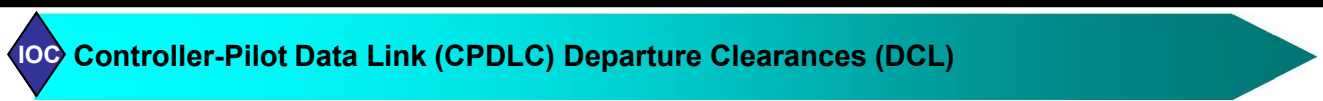


- FAA Data Communications Program Update
  - CPDLC Departure Clearance trials at Memphis and Newark extended through January 2016
  - FID completed for initial enroute services
  - DCL tower service formal integration and test started December 2014
  - Operational test and evaluation to start in February 2015
- Data Communications Integrated Services (DCIS) Update
  - The Harris Corporation contracted to manage subcontracts with Rockwell Collins ARINC and SITA for VDL service
  - Harris is responsible for managing the contract funding set aside for assisting airlines with avionics equipage.
  - Eight airlines committed to support the program
  - Nearly 300 aircraft validated to date

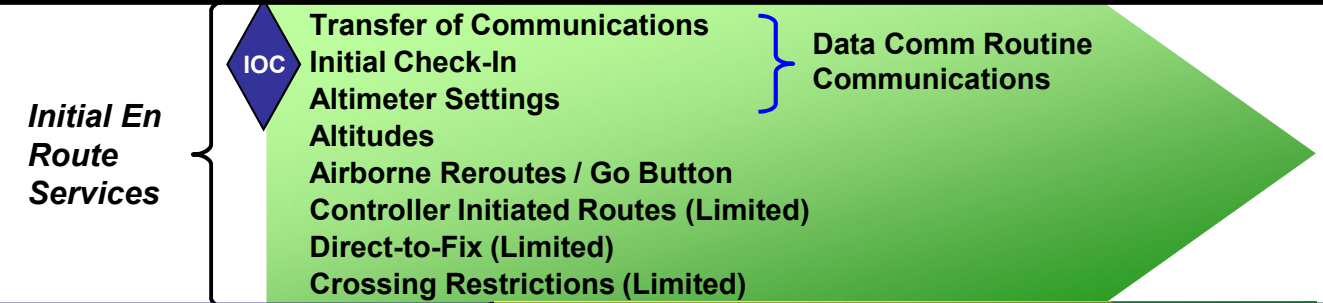
# Program Services Roadmap



Segment 1 Phase 1  
- Tower Service

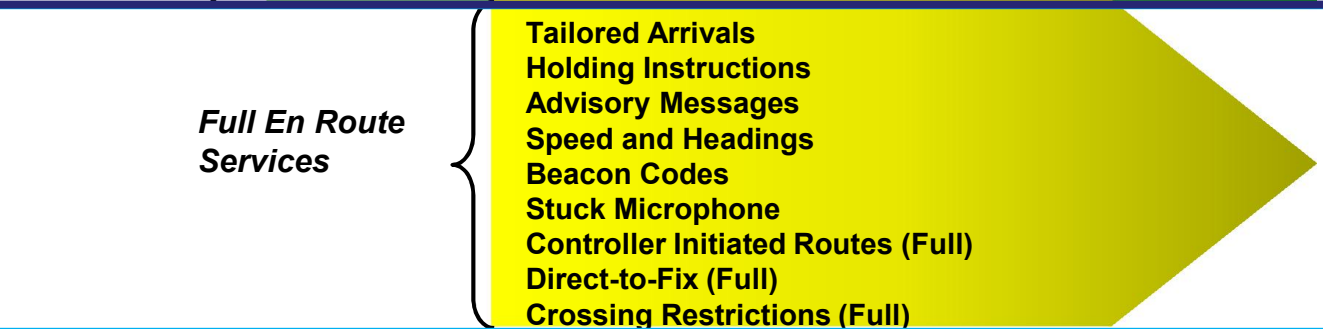


Segment 1 Phase 2  
- En Route Services



FID Complete 2014

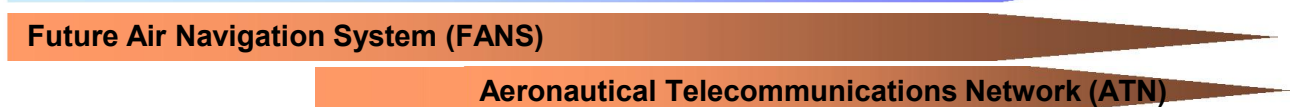
FID Q4 2015



Avionics



Ground System



Segment 2  
- Advanced Services



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- **EC Data Link Services Implementing Rule (DLS IR) Status**
  - A Single Sky Committee (SSC) meeting was held on January 14/15, 2015
  - The important date changes to Regulation (EC) 29/2009 are:
    - Aircraft retrofit date of 05 Feb 2020
    - All ANSPs ready by 05 Feb 2018
  - It was emphasized that the dates above are not official before it has been published in the Official Journal of the European Union
- **European Laboratory for Structural Assessment (ELSA) consortium is formed to investigate the root cause of the ATN performance issues and developing recommendations for system improvements**
  - Consortium of industry leading companies awarded a contract in December 2014
  - Contract execution scheduled for February 2015 through June 2016

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- Other DLUF presentations of interest:
  - B787 Lessons Learned – United Airlines
  - A380 Lessons Learned – British Airways
  - ACARS Improvement Program – Boeing
  - Aircraft Dual Stack – Airbus
  - Performance-based Operations Aviation Rulemaking Committee Communications Working Group (PARC CWG) and Global Operational Data Link Document (GOLD) Update – FAA
  - RTCA SC-214/EUROCAE WG-78 Update – United Airlines



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- The next DLUF meeting is scheduled for September 15-16, 2015 in Toulouse, France hosted by Airbus
  - Key issue will be tracking the status of the ELSA team and the EC official announcement of the new schedule for the CPDLC Operations in Europe
- An airline only roundtable meeting is scheduled for September 17, 2015 to review the previous meeting results and identify items for discussion at the next DLUF meeting



- Questions?