



U.S. Domestic En Route CPDLC Avionics Trial

DATA COMMUNICATIONS INTEGRATED SERVICES (DCIS)

L3Harris Technologies

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Description:

This document contains the avionics configurations that are currently being evaluated for operational acceptability in the U.S. Domestic En Route CPDLC program. An aircraft can begin U.S. Domestic En Route CPDLC trial participation after submitting the required documentation (see page 5)

During testing certain avionics configurations for business aviation aircraft have shown that they meet operational acceptability in U.S. Domestic En Route CPDLC, below is the *Business and General Aviation Trial List* with the associated aircraft types and avionics configurations. If you believe your aircraft meets operational acceptability, please use the Trial List below in conjunction with the *Verification of Avionics Configurations* and please fill out the *U.S. Domestic En Route Eligibility* form. Once the information for the applicable aircraft has been reviewed and determined to meet the requirements, the aircraft will be added to the “Return to Service” list for U.S. Domestic En Route CPDLC operations. Please note that the current Trial List is not inclusive of all aircraft types, the Trial List is continuously being revised and updated throughout the testing phase. If the aircraft type is missing from the Trial List, this means that operational acceptability hasn’t been determined yet for that specific aircraft type at this time. As testing continues more aircraft types will continue to be added to the Trial List.

1. ***Business and General Aviation Trial List***

- a. This lists the current eligible aircraft types, CMU’s, VDR’s and FMS versions for En Route.

2. ***Verification of Avionics Configurations (U.S. Domestic En Route CPDLC)***

- a. This is a short guide that walks operators/users how to read the Trial List and to fill out the U.S. Domestic En Route Eligibility form.
- b. On the last page of the guide you will find a simple flow chart that will walk you through the process to identify eligibility.

3. ***U.S. Domestic En Route Eligibility Form***

- a. Using the Trial List and the *Verification of Avionics Configurations* please fill out all fields in the form below to help us determine your aircrafts eligibility
- b. All fields are required to be filled out to determine aircraft eligibility

Note: Once the U.S. Domestic En Route Eligibility form has been filled out please email the form to DCIT@L3Harris.com

For aircraft configurations not listed, operators are requested to temporarily stop filing as eligible for En Route CPDLC and contact their equipment manufacturer to work with the FAA and L3Harris to evaluate operational performance of their aircraft configuration (this activity has already begun with major business aviation manufacturers). Aircraft configurations that can demonstrate consistent operational performance will be added to the Data Comm Recommended Avionics Versions document to resume En Route operations. Operators may continue to file for DCL (FANS or FANSP DAT Code) service only with the appropriate flight plan filing *DAT code*.

We request that impacted operators make these updated filing changes as soon as possible. If you have any questions, please feel free to reach out.

This is supported by the following NOTAM:

!FDC 0/0820 FDC ..SPECIAL NOTICE.. GA AND BUSINESS AVIATION ACFT ARE PROHIBITED FM USING EN ROUTE CPDLC EXC APPROVED TRIAL PARTICIPANTS. CPDLC DEP CLR OPS ARE STILL PERMITTED. ALL GA AND BUSINESS ACFT, EXC TRIAL PARTICIPANTS, MUST MODIFY FLT PLAN FIELD 18 DATA CODE TO REMOVE EN ROUTE CPDLC IMMEDIATELY. FURTHER INFO CTC DCIT@L3HARRIS.COM 2010010000-2109302359

U.S. Domestic En Route CPDLC Trial Avionics

Aircraft	CMU/Equivalent for MF VDL Mode 2	VDR for MF VDL Mode 2	Minimum FMS version	Minimum FMS version (DCL Only)	FPL Filing (En Route)		
G280	RC RIU-4010/4100: DLCA-6000	RC VHF-4000E: 822-1872-390	RC ProLine Fusion 6200 V3.6 (or later)		1FANSER		
G500 (GA5C)	HW CMF 3.1	HW EPIC VDR: 7026201-813 (Mod X)	HW NG FMS 3.1		1FANSE		
G600 (GA6C)			HW NG FMS 1 (Similar to Block 3)		1FANSE		
G700 (GA7C)	HW CMF 3.5		RC Primus 2000 HW SPZ-8000		1FANSE		
F900 (A,B,C,EX)	HW Mark II+ Core SW 998-6063-522 (or later)	HW EPIC VDR: 7026201-815 (Mod U)			1FANSE		
Falcon 8X	HW CMF 3.0	HW EPIC VDR: 7026201-814 (Mod S)	HW EASY III		1FANSE		
Global: 5000 (GVFD), 5500, 6000, 6500, 7500	RC RIU-4010/4110: 822-1863-175/178/179/671/672	VHF-4000: CPN 822-1468-210 with SB-8 CPN 822-1468-290 CPN 822-1468-302 with SB-11 CPN 822-1468-303 CPN 822-1468-310 with SB-8 CPN 822-1468-390	RC ProLine Fusion V5.1.5 (or later) P/N 810-0163-1B0013	RC ProLine Fusion: All available	1FANSE		
Challenger: 300, 350, 604 (EDS), 605, 650	RC RIU-4000: 822-1469-554/602/652 RC CMU-4000: 822-1739-601/603/704	VHF-4000E: CPN 822-1872-310 with SB-8 CPN 822-1872-390	Global 7500 V2.0.2 (or later) P/N 810-0163-3B0001 CL604 EDS V1.0 (or later) P/N 810-0163-1R0001		RC Proline 21 Advanced -110/130: 1FANSE	RC Proline 21 Advanced -102: 1FANSER	
Embraer: Legacy 450/550 Praetor 500/600	RC RIU-4010: 822-1863-633-638	VHF-4000F: CPN 822-2993-310 with SB-9 CPN 822-2993-390	RC ProLine 21 Advanced: P/N 946-2720-110 946-2720-130 (or later)		Embraer Avionics 5.x/6.x PLF 810-0163-1E0003 (5.X) 810-0163-1E0004 (6.X)	1FANSE	
Various (with Universal)	UniLink-800 SW SCN 31.3 (or later) with External VDR	VHF-2100E: CPN 822-2168-121	UNS-1FW SCN 1002.1 (or later)	UniLink-800 or 801 SW SCN 30.1 (or later) for DCL only with SCN 1000.5 (or later)	1FANSE		
	UniLink-801 SW SCN 31.3 (or later) with Internal VDR	Internal VDR with SCN 10.3 (or later)	UNS-1FW SCN 1002.1 (or later)		1FANSE		
Various (with Garmin)	G3000/5000 V4.5.X, V4.8.X, V5.1.X, V6.2.X (or later)	GDR-66 (or later)	G3000/5000 V4.5.X, V4.8.X, V5.1.X, V6.2.X (or later)		1FANSE		
Not listed?	If your aircraft or configuration is not on this list, please contact your aircraft or equipment manufacturer						

Note: DCIT recommendations for aircraft operating with Data Communications. Individual operator configurations are subject to regulatory approval.

Please fill out form below

Example Scenario

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Aircraft Type

Aircraft Type

GL5T

Aircraft Registration(s)

Aircraft Registration(s)

N12345

CMU/EQ for MF
VDL Mode 2

CMU/EQ for MF
VDL Mode 2

RC RIU-4000

CMU SW CPN
(part number)

CMU SW CPN
(part number)

822-1863-178

VDR for MF VDL
Mode 2

VDR for MF VDL
Mode 2

VHF 4000

VDR CPN & SB or Mod
(if applicable)

VDR CPN & SB or Mod
(if applicable)

822-1468-210 w/ SB8

Minimum FMS Version

Minimum FMS Version

Proline Fusion V 5.1.5

FMS PN (part number)

FMS PN (part number)

810-0163-1B0013

Name (point of contact)

Email

Phone Number

Please send the completed form to DCIT@L3harris.com