



CPDLC

Are You Equipped?

European airspace and its Air Traffic Control (ATC) systems are evolving. Data link communications are crucial for the Single European Sky (SES), and Controller Pilot Data Link Communications (CPDLC) provides the latest improvement; mandated by the European Commission Regulation EC 2015/310 for all flights moving through European airspace from FL285 and above. The CPDLC modification contributes significantly to the shift from ATC to Air Traffic Management (ATM). This ground-to-air two-way data link system provides an additional communication bridge between aircraft flight crews and controllers to share beneficial non-urgent information through text messaging – a crucial addition to voice communication in today’s busy skies.

Our Solution

At Fokker Services Group, we offer a new upgrade program that flawlessly complies with mandatory operational rule changes, available for Boeing 737 and 757, as well as the Airbus A320 family. Our intuitive modular system is designed with the flexibility of being standalone or integrated into your existing systems. Depending upon your specific requirements and existing system configuration, various pieces of equipment are installed and tested, including the Spectralux Dlink+ unit, dedicated VHF antenna and GNSS antenna.

We exclusively provide a unique CPDLC solution featuring the advanced Spectralux Dlink+ technology. With the latest software revision, this equipment delivers Eurocontrol ANSP “White List” status with its characteristic low Provider Abort (PA) rate. Dlink+ is a highly affordable unit which integrates three avionics modules: Communications Management Unit (CMU), VHF Digital Radio (VDR), and Control and Display Unit (CDU).

Taking You the Extra Knot

We also offer uncompromised access to a range of optional extra functionalities on the CPDLC unit, which provide additional benefits. We allow for real-time information delivery that streamlines operations. Our solution is capable of fulfilling optional data transmissions, including Aircraft Communications Addressing and Reporting System (ACARS) and Airline Operational Communication (AOC). ACARS and AOC messaging examples include:

- » 000I Data.
- » Return-to-Gate.
- » Monitoring Flight Status.
- » Engine Exceedance/N1 Restricted Operation.
- » Flight Cycle Monitoring (Max N1, N2 T/O, and Climb).
- » D-ATIS (Digital Automatic Terminal Information Service).





Introducing Unprecedented Benefits

Engineered to streamline communication with ATC and operation control centers with the optional ACARS functionality, CPDLC dramatically reduces voice communications traffic. Pilots can reach controllers directly through predefined messages and free text, enjoying quicker, more accurate and reliable communication that improves efficiency, enhances safety and breaks language barriers.

- » Improves safety by reducing the probability of missed or misunderstood communications.
- » Helps to eliminate the common problem of stuck microphones.
- » Significantly reduces pilot workload in congested airspace as ATC data link messages are sent directly to the intended aircraft rather than being shared with other traffic.
- » Increases flight communications efficiency by reducing the demand on ATC for various communication tasks and freeing this capacity to provide standardized clearances at a faster rate, simultaneously to multiple flight crews.



- » Increased ATC awareness of operational preferences. The system can down-link aircraft preference and parameter data, including flight level preferences and meteorological conditions.
- » Improves aeronautical meteorological reports and forecasts, which raises ATC and flight crew airspace environment awareness.



Independent Leader in Maintenance, Modifications & Conversions

Your Fleet, Our Solutions. Together

About Fokker Services Group

Fokker Services Group is an independent aerospace service company with a global reach. Providing comprehensive solutions from its five facilities in Europe, Asia and the Americas, Fokker Services Group is a key partner for regional, narrow-body and wide-body platforms in the Commercial, VIP, Cargo and Defense markets. The organization offers a unique set of capabilities, products and services: 'Modifications & Engineering Services' for the latest technical solutions; 'Component Services' such as nose-to-tail programs, exchange services, and component repairs; 'Material Services' such as parts manufacturing, spares deliveries, and tear-downs; 'Airframe Services' for aircraft MRO including lease transitions and painting; and 'Aircraft Completion & Conversion Services' for Executive, VVIP and Special Mission aircraft upgrades.



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