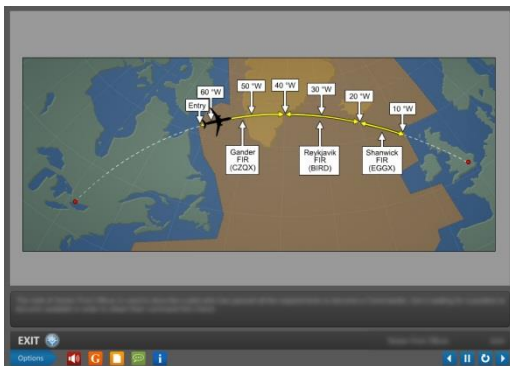


## SUMMARY

This course covers the components and operation of Controller-Pilot Data Link Communications (CPDLC) and Automatic Dependent Surveillance (ADS) equipment. These systems are part of the Future Air Navigation (FANS 1/A) system, now in common use throughout the world.

The course is available in versions customized for Boeing and Airbus aircraft, showing typical installations and operation for each type.

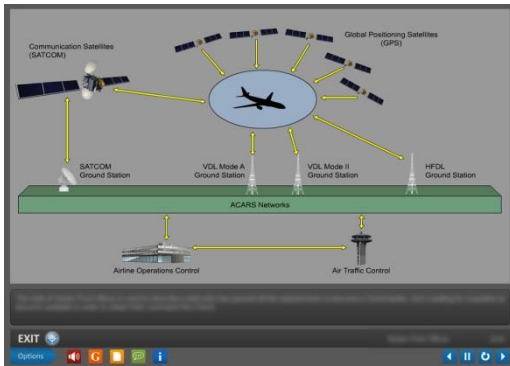


## TARGET POPULATION

The CPDLC / ADS course is designed for experienced Airline Pilots (operating Airbus or Boeing aircraft), requiring initial or recurrent training.

## REGULATORY COMPLIANCE

- ICAO / EASA / FAA / Transport Canada
- Maintain compliance with IOSA standards



Versions Available:  
Airbus, Boeing

Course Length:  
1 hr 30 min

## LESSON 01: CPDLC/ADS System Components

In this lesson we discuss:

- CPDLC
- ADS-A
- ADS-B
- Ground service providers

## LESSON 02: CPDLC/ADS Operations - General Procedures

In this lesson we discuss general procedures for:

- CPDLC
- ADS-A
- ADS-B
- Flight planning requirements

## LESSON 03: CPDLC Equipment Installation

In this lesson we discuss the installation of:

- CPDLC components in Boeing / Airbus aircraft

## LESSON 04: CPDLC/ADS Operations - CPDLC Operation

In this lesson we discuss the basic operations of CPDLC equipment in Boeing/Airbus aircraft, including:

### Airbus:

- DCDU functions
- MCDU functions
- ATC MSG pushbutton switch
- System initialization
- Vertical request
- Lateral clearance
- Deferred clearance
- Notifying next ATC
- ATC reports
- Emergency messages
- Loss of communication
- ATC data link failure

### Boeing:

- MFD
- EICAS
- CDU
- System initialization
- Vertical request
- Lateral clearance
- Free text messages
- ATC reports
- Emergency messages
- Loss of communication
- ATC data link failure

## LESSON 05: ADS-A and ADS-B Equipment Installation

In this lesson we discuss the installation of aircraft equipment in Airbus / Boeing aircraft for:

- ADS-A equipment
- ADS-B operations

## LESSON 06: ADS-A and ADS-B Operation

In this lesson we discuss the basic operating procedures for ADS-A and ADS-B equipment, including:

- Initialization
- Termination
- Abnormal operation
- Emergency operation

## REGULATORY COMPLIANCE

This course provides the core elements of the CPDLC training, ground school component outlined in the:  
EASA Acceptable Means of Compliance (AMC) 20-24  
DGAC Operations Circular Ops17\_2014  
Canada Transport Canada Advisory Circular (AC) 700-009  
United States FAA Advisory Circular 90-114

**The operator remains responsible for obtaining approval from the regulatory authority.**