

Case Study: The French Civil Aviation Authority uses Airtel ATN's Test Equipment to validate Data Link



DSNA

Objectives

- Identify irregularities with Data Link implementation
- Test ground system Data Link in 5 airports
- Test Data Link connection to SITA

Why Airtel ATN

- Leader in Data Link ground test systems
- Used by EUROCONTROL test centre in Brétigny
- Independent of manufacturer and ACSP

Results

- Number of issues identified
- Problems corrected quickly
- Data Link implementation and SITA connection running smoothly

Background

DSNA (Direction des Services de la Navigation Aérienne - department of air navigation services) is a division of Direction Générale de l'Aviation Civile, the French Civil Aviation Authority (DGAC). The DSNA is a regulatory authority and supervises safety and provides air navigation services.

Enabling Technology

The DSNA needed to carry out a number of tests on its ground Data Link implementation. In 2012, they licensed Airtel ATN's GVS test equipment and services to test their CPDLC ground implementation. They also licensed Airtel ATN's simulated airborne end systems, air/ground and ground/ground routers. Additionally, Airtel ATN implemented an interface (XOT) in order to test the SITA router more accurately.



Results

With Airtel ATN's test systems, the DSNA identified a number of problems related to its Data Link implementation. Using Airtel ATN's independent test equipment and services meant that all irregularities could be detected easily and resolved quickly. The DSNA used the test systems repeatedly until all problems were resolved.



"Airtel ATN's test services identified a number of problems with our Data Link implementation which we could resolve quickly. I would recommend Airtel ATN's Test Equipment and Services to any ANSP."

Christian Pascual, Test Engineer, Direction des Services de la Navigation Aérienne