



In parallel with the standardisation-certification and trials activities focusing on the ADS-B Pioneer Airlines project, CASCADE decided to extend the scope of ADS-B equipage validation by also considering opportunities and issues for general aviation type aircraft.

This will enlarge the monitoring over different ranges of aircraft, assess the performance capabilities of GA equipment versus the available standards and identify an airworthiness roadmap for ADS-B NRA. In addition, the project will aim at performing an initial validation of ATSAW-AIRB application in a typical GA regional environment.

Following the launch of technical specifications (Call-for-Tender) in Q3 2007, the company Funkwerk Avionics (D), in partnership with GA operators based at Egelsbach airport (EDFE), and in coordination with the DFS Langen ADS-B station, have been selected to undertake a number of feasibility studies, retrofit tasks and demonstrations scenarios for the years 2008-2009.

The CASCADE's ADS-B Validation Test Bed (AVT) will be used to support the transponders and avionics tests and developments, and the Airborne Monitoring cell will then track the ADS-B performance of relevant aircraft as part of its routine work.

This project should allow to progress more rapidly, together with the GA community and industry, towards ADS-B solutions that enhance flight efficiency and safety for all general aviation and aerial work operations.