

What is ADS-B

Automatic Dependent Surveillance Broadcast is a precise satellite-based surveillance system. ADS-B Out uses technology to determine an aircraft's location, airspeed and other data, and broadcasts that information to a network of ground stations, which relays the data to air traffic control displays and to nearby aircraft equipped to receive the data via ADS-B In. Operators of aircraft equipped with ADS-B In can receive weather and traffic position information delivered directly to the cockpit.

Regulatory Mandate

FAA and EASA regulations mandate compliance by 2020 for all aircraft operating in Class A, B or C airspace. In order to meet the regulatory requirements, aircraft operating in this airspace will need to be equipped with both a WAAS enabled GPS receiver and a compliant transponder. Transponders can be either 978 MHz Universal Access Transceiver (UAT) if the aircraft operates below FL180 or a 1090 MHz Mode S Extended Squitter (1090ES) for those that operate above FL 180 (Class A airspace.)

AVMATS Compliance Path

AVMATS, offers ADS-B Out retrofit solutions from Bendix, Collins Aerospace, Honeywell, Garmin and Universal Avionics to a large portion of the business aviation community. These solutions cover a vast range of legacy turboprop and jet aircraft including models from manufacturers such as Cessna, Falcon, Gulfstream, Hawker, Honeywell, Learjet and Sabreliner.

Applicable Model List

Challenger	300, 600, 601, 604, 605
Citation	II, III, V, VII, 500, 501, 550, S550, 551, 552, 525, 525a, 525b, 525c, 560, 560XL
Falcon	10, 20, 50(EX), 2000(EX), 900(EX)
Gulfstream	GII, GIII, GIV, GV(SP)
Hawker	700, 750, 800(ab), 800XP, 850XP, 900XP
King Air	200(ct), B200(cgt), 300(lw), B300(c), A100, A200(ct), C90(agt), H90
Learjet	31, 35, 36, 60, 40, 45, 75
Sabreliner	65, 70, 80

Certification & Warranty

AVMATS Jet Support is an FAA, EASA and DGAC certified repair station. We provide a standard limited warranty for all services we provide. More details are available at:
jets.avmats.com/warranty