

# Your Guide to Installing ADS-B and PBN equipment



## ADS-B and PBN installation

The installation of ADS-B and / or PBN equipment is considered a **Design Change**. Therefore, the installation of this equipment will require **Acceptable Technical Data** and an approved installer.

Acceptable Technical Data (ATD) is defined at Civil Aviation Rule Part 21, Appendix D. ATD for the installation of ADS-B and/or PBN equipment includes:

- **Service Bulletin (SB):**

A Service Bulletin is the document used by manufacturers of aircraft, their engines or their components to communicate details of modifications which can be embodied in aircraft. In some cases, these may be issued as a Mandatory SB (or MSB) in which case a corresponding Airworthiness Directive will be issued by the appropriate National Airworthiness Authority.

- **Supplemental Type Certificate (STC):**

A STC is an approval of a major modification covering those areas or aspects of an aeronautical product that were modified, including updates to the Flight Manual, user guides/manuals and Instructions for Continuing Airworthiness.

- **Approved Model List (AML) STC:**

An AML-STC is intended for installations that are identical or similar and that share baseline data between the models. This streamlines the certification effort by avoiding unnecessary testing and re-submittal of data that is common to more than one model aircraft. Note that your specific aircraft type and model must be listed in the AML-STC for it to be considered ATD.

If an SB, STC, or AML-STC is available for your aircraft type, an approved installer can use this ATD to install ADS-B or PBN equipment into your aircraft as a modification. Depending on the complexity of the associated equipment installation and/or test requirements this modification may be classified as Major, this requires conformity on a 337 by an IA or 145 equivalent.

If a SB, STC or AML-STC is not available for your aircraft type, CAR 146 Design Organisation or OEM support will be required to develop and certify ATD in accordance with the guidance set out in Civil Aviation Rule Part 21.

The process for the use and / or development of ATD is depicted in the diagram on the next page.

# Process for use of ATD for ADS-B or PBN equipment installation

