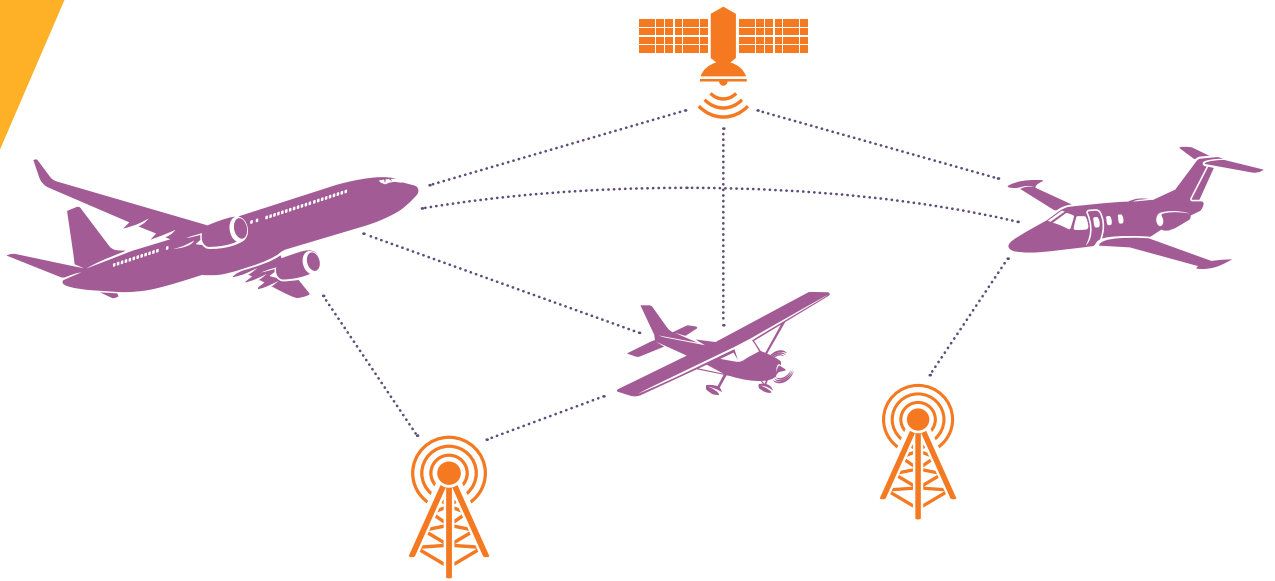


ADS-B OUT STC



INTRODUCTION

EASA and the FAA have mandated that by 2020 all aircraft must be equipped with an upgraded version of ADS-B Out (DO-260B).

Depending on the current configuration, some aircraft may require significant modification in order to comply with these mandates. This could require significant ground time for the aircraft and as a result should be planned as early as possible in advance of the mandate deadlines; January, 2020 (FAA) and June, 2020 (EASA).

Eirtech Aviation Services has developed an ADS-B Out retrofit STC solution for B737 Family aircraft in partnership with Honeywell.

COMPLIANCE DATES

FAA: 1st January 2020
EASA: 7th June 2020

What is ADS-B?

Automatic Dependent Surveillance–Broadcast (ADS-B) is a surveillance technology in which an aircraft determines its position via GPS and periodically broadcasts it, enabling it to be tracked. This information can be received by other aircraft (to provide situational awareness and allow self-separation) and Air Traffic Control (ATC) ground stations (to allow tracking of the aircraft).

The information ‘broadcast’ includes details on aircraft identification, position, altitude, velocity and other data in real time. ADS-B allows ATC to monitor and separate aircraft more efficiently and provide more efficient routings.

In order to make your aircraft compliant with this mandate it must have:

- Two DO-260B compliant ADS-B Out Mode-S Transponders installed e.g. Honeywell TRA100B
- ADS-B Out capable Multi-Mode Receivers (MMRs) / GPS Sensors.

Eirtech Solution Benefits

- Turnkey solution for ADS-B compliance on B737 Family aircraft
- Cost effective EASA and FAA STC retrofit solution in comparison to OEM solutions
- STC Package, ADS-B Compliant Transponders and Installation Kit available with short lead times
- Avionic engineering experts available to support modification of aircraft onsite

Technical Deliverables

Eirtech can provide:

- EASA / FAA approved STC Package to install Honeywell TRA100B (ADS-B compliant) transponder with Right to Use (RTU)
- Integration Engineering for each aircraft
- Supply of ADS-B compliant ADS-B Out Transponders (Honeywell TRA100B)
- Supply of replacement MMRs / GPS Sensors and antennae (if required)
- Onsite support during modification of aircraft in MRO

AIRCRAFT APPLICABILITY

B737-100/-200/-200C/-300/-
400/-500/-600/-700/-8/-800/-
900/-900ER

REFERENCES

FAA: www.faa.gov/nextgen/programs/adsb/

EASA: www.easa.europa.eu/the-agency/faqs/ads-b-certification