

Dear Customer,

As a pilot you'll know that ADS-B is coming. The 2020 mandate may seem a long time away but pilots are planning their installs and considering suitable ADS-B technologies today.

As your Approved Trig Dealer we'd like to share this ADS-B fact sheet, to help you meet the mandate.

## ADS-B - the future!

You can take advantage of ADS-B ahead of 2020. You don't have to wait to get these benefits.

**Visibility** – greater visibility to TCAS, military and other ADS-B equipped aircraft.

**Collision avoidance** - ADS-B provides traffic information to enhance flight safety.

**Cost savings** - accurate positional information can result in direct routing - saving fuel and time.

**Reassurance** – in an emergency, ADS-B enables faster identification of your location.

Trig Avionics are leaders in ADS-B technology. In fact when the FAA wanted to test the national ground station infrastructure they selected Trig transponders to do it with!

Trig's ADS-B transponders meet the latest performance specifications. We were the first company in the world to secure TSO C166b for our TT31 transponder.

You too can lead the field by selecting a Trig transponder. Our free FAA STC program covers ADS-B installation in 650 aircraft types using the TT31. Similarly 576 aircraft types can use the TT22 STC. With superior install options Trig saves you time and money.



**TRIG**  
Approved Dealer

## What do I need to do?

This depends upon what and where you fly. By 2020 if you wish to continue flying within the Mode C Veil, then you'll need ADS-B Out.

Both certified and experimental aircraft can use Trig equipment. Certified aircraft will need a compliant transponder (or transmitter), a 2020 compliant WAAS GPS and Air/Ground Determination, (typically an air speed switch or squat switch). Experimental aircraft will also require a certified transponder and Air/Ground Determination. However, the FAA will allow the use of a WAAS GPS that meets the performance requirements of the 2020 mandate, this may be uncertified.

Installing a Trig transponder is the easy way to become compliant. Connecting a suitable GPS and configuring Trig's 1090 ES technology creates a highly effective ADS-B Out capability. Many pilots then wish to add an ADS-B In traffic receiver, to get live traffic information displayed in the cockpit.

## Trig ADS-B solutions

The TT31 is a 'plug and play' replacement for popular Bendix King KT76A and KT78A transponders. The TT31 uses your existing antenna, wiring and altitude encoder - making it a stress free retro-fit.



With the latest Trig software the original tray can be retained – further simplifying installation.

A wide range of GPS units are compatible with the TT31, including Garmin GNS and GTN navigators. Alternatively, Trig has a stand alone WAAS GPS unit called the TN70. This is a certified device that is installed discretely, away from the panel – easing installation and enabling existing navigation equipment to be used without disrupting the panel.



For pilots wanting a neat and small ADS-B install Trig's TT22 compact transponder is ideal. A simple to use controller (with built in altitude encoder) can fit into the tightest panel space.

A separate hardware unit is installed elsewhere in the airframe. The complete kit weighs only 1lb. Because the transponder is so energy efficient it can be powered and operated by battery.

The TT22 is a 250 Watt Class 1 transponder. This is best suited to the 2020 ADS-B mandate as the FAA requires the carriage and use of a Class 1 device.

Matching VHF Comm radios are available from Trig, called TY91 and TY92 radios.

## Trig gives you more...

**Faster install** – Trig transponders use your existing Mode C antenna, encoder and wiring, you don't have to drill holes in the aircraft skin.

**'Better by Design'** – all our products are designed to be simple to use, with a superior user interface – so you can focus on flying.

**GPS compatibility** – our transponders have wide compatibility with third party GPS units - including popular GNS and GTN navigators.

**Future Proof** – Trig products are software upgradeable (via your dealer). Get the latest performance benefits without the hassle and cost of hardware changes.

**Dependability** – Trig transponders are amongst the most reliable devices available. As certified devices they've been fully tested in hostile environments.

**Support** - Trig products are backed by U.S. based support and a two year global warranty. An Approved Trig Service Centre is at Mid Continent Instruments and Avionics, Kansas.

## Your dealer, here to help

With an established network of Approved Trig Dealers you'll be able to easily access Trig products and 'on the ground' avionics expertise.

Your dealer can advise you on the best Trig product for your aircraft, working with you to achieve a successful ADS-B install.

No matter what you fly it's easier to become equipped and more affordable than you may have imagined. So why wait? Get ADS-B ready and benefit today!

Your Approved Trig Dealer