
NEWS - CAA - CONSPICUITY REBATE SCHEME



this remains the most technically effective way of making an aircraft or other air system electronically conspicuous and delivering maximum interoperability with other aircraft as well as the ground ATM environment."

www.natsuk.eadit.com/aip/current/misc/AIC/EG_Circ_2019_Y_141_en.pdf

WHAT IS CONSPICUITY?

TRIG TECHNOLOGY - FUTURE PROOF AND PREFERRED - UK AIC Y141 2019

Last year the CAA / NATS published AIC Y141 2019. This promoted **the fitment of 1090 Mode S and ADS-B Out technology, as the preferred future platform** for UK Electronic Conspicuity.

The CAA has now rolled out a Conspicuity Rebate Scheme. For a limited period, this provides money to UK pilots to install Electronic Conspicuity equipment - Mode S transponder and ADS-B Out GPS technology.

The scheme aims to improve the safety of General and Light Aviation VFR operations. **The UK Government will pay a single rebate of 50%, up to a maximum of £250** on EC equipment that is purchased between the 1st of October 2020 and until the 28th of February 2021.

WHY IS THIS HAPPENING?

Both the CAA and EASA recognise the benefit of using Mode S and ADS-B Out technology, particularly in VFR aircraft. ADS-B Out is currently voluntary for GA, **but any future mandate is expected to use 1090 MHz Out.**

"(1.1) In August 2017 the Civil Aviation Authority confirmed that ADS-B using 1090 MHz is its preferred national system to improve electronic conspicuity for general aviation. (2.1) For those aircraft capable of fitting a Mode S transponder with ADS-B out enabled,



Installing a Mode S 1090 MHz transponder is the bedrock of conspicuity. A Trig Mode S transponder provides the range, power and compliance of ICAO international surveillance standards that will add to the value of your aircraft.

Trig has invested millions to design certified conspicuity technology - protecting pilots and passengers. When safety is at stake it makes sense to invest in a dependable and proven solution.

HOW DOES MODE S BENEFIT ME?

A Trig Mode S transponder makes your aircraft visible to Air Traffic Services - flying with Mode S gives you better access to airspace. With the confidence of a known position, it reduces the need for ATC position reporting, so you can focus on flying. All commercial aircraft and many military aircraft will also be able to see Mode S. At low level and in busy skies this provides a vital safety benefit against infringement and collision.

CAA - CONSPICUITY REBATE SCHEME



USE THE REBATE TO GET EQUIPPED

The CAA Rebate Scheme may give you the impetus to install a Trig transponder for the first time. However, many UK pilots already have a compact or stack Trig transponder installed. For new or existing installations, adding a TN72 GPS Position Source and antenna is a great addition.

A TN72 GPS will turn your Mode S transponder into a 1090ES ADS-B Out device - the best standard of conspicuity available. The TN72 GPS unit is simple to install and highly affordable, with a list price of just £ 312. An additional GPS antenna will be required, Trig offers the TA50 Compact GPS Antenna (from £59) or the TA70 GPS Antenna (£270). Remember, the rebate scheme will allow you to get as much as 50% back on your purchase (all costs are ex. tax).

As money is available for each qualified pilot, this becomes very attractive in a syndicate. One member could save £ 250 against a TT21 transponder purchase, another member could save £ 250 against a TN72 GPS - a combined saving of £500!

WHY SHOULD I CHOOSE TRIG?

1. A fixed Mode S and TN72 GPS installation has genuine practical benefits. Simply turn on the aircraft Master Switch and your Mode S and ADS-B Out position is available. In contrast portable systems use chargers, wires and may require configuration. Independent evaluation and real-world trials of Trig equipment has demonstrated it to be **more reliable and less prone to human factor errors**, than portable solutions.

2. A Trig transponder uses an external antenna and **provides a higher power output** than portable

solutions. Trig's certified system is visible in all orientations and **does not suffer from blanking or blind spots** caused by low power or poor antenna performance.

3. Trig uses **the ICAO 'aviation protected' frequency** 1090 MHz in contrast uncertified devices that use non-aviation frequencies. The UK regulator Ofcom states these non-aviation frequencies "could be susceptible to external interference". This includes the potential of jamming, distortion and/or total loss of signal.

4. Trig's technology is **future proof**; it meets the latest ADS-B standard (TSO C166b). It can **easily be installed** using BMAA and LAA Standard Minor Modifications or installed in EASA aircraft using a custom CS-STAN ADS-B modification.

5. Trig's TN72 GPS technology is certified and uses a SIL 1 output, this is **visible to all traffic devices**. Using a lower quality SIL 0 GPS as a position source for your transponder is best avoided, consistent with EASA advice to use SIL 1 (Quality Indicators greater than 0).

PURCHASE & QUALIFY

Make sure you secure your rebate and speak to your Approved Trig Dealer now. You can find your Trig dealer on the 'How to Buy' section www.trig-avionics.com

To qualify you will need proof that you hold a valid CAA/EASA UK pilots' licence or be a registered member of the BGA or BHPA. Please note a proof of purchase will be required.

Applications are made via the CAA EC Rebate Scheme www.caa.co.uk/General-aviation/Aircraft-ownership-and-maintenance/Electronic-Conspicuity-devices/



TRIG