

# Do you fly in controlled airspace?



new  
southern  
— sky —

**Over the next few years, New Zealand's surveillance radar system will be replaced by Automatic Dependent Surveillance Broadcast (ADS-B)**

Why? ADS-B provides better surveillance coverage and more accurate data, which improves safety and operating efficiency

The Civil Aviation Authority is proposing a requirement for **all aircraft in controlled airspace** – IFR and VFR – to be fitted with ADS-B OUT:

- **Above flight level 245 by end of 2018**
- **Below flight level 245 by end of 2021**

If this includes you, the proposed change would require you to equip your aircraft with a Mode S extended squitter (ES) 1090 MHz transponder and a compatible GNSS receiver.

*If you only fly in **uncontrolled** airspace, this proposal does not affect you, but ADS-B offers benefits you may want to consider.*

**To find out more visit [www.nss.govt.nz](http://www.nss.govt.nz)**

# Thinking about upgrading?

Here are some tips:

## Upgrading now?

You'll need to be equipped with a Mode S extended squitter (ES) 1090 MHz transponder, and compatible GNSS receiver

## Think about upgrading in stages

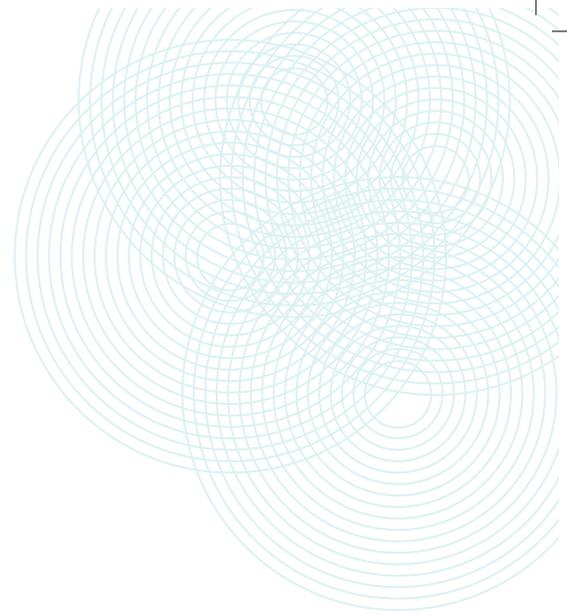
For example, if you're replacing your Mode A/C transponder, make sure you choose a Mode S transponder that is ADS-B capable, or can be upgraded in the future

## Buy once, buy right

Get your avionics equipment from a reputable dealer, and be wary of what you buy. As others upgrade, second hand equipment will come onto the market. It might not be fit for purpose so you could end up with avionics that do not meet the proposed New Zealand requirements

## Choose the best option for you

Technology is advancing and more options may become available in time. We encourage aircraft operators to assess their options. If you equip sooner rather than later, you can avoid a last-minute rush and start enjoying the benefits of ADS-B. Keep up to date and choose the best option for you



## If you are buying an aircraft from overseas

Check that the avionics will meet the proposed New Zealand requirements or put in place a plan to upgrade with the right equipment

## Don't buy UAT 987 MHz equipment

The Universal Access Transceiver system (UAT) used in the United States will not be implemented in New Zealand. It is important that you don't buy UAT equipment because it is not compatible with the 1090 MHz system

## Do you fly IFR?

You will also need to check the GNSS requirements for Performance Based Navigation (PBN) – see [www.nss.govt.nz](http://www.nss.govt.nz)

**Talk to your avionics supplier or visit [www.nss.govt.nz/surveillance](http://www.nss.govt.nz/surveillance) for more information.**