



Airworthiness Bulletin

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Rockwell Collins Transponder TDR 94/94D

An Airworthiness Bulletin is an advisory document that alerts, educates and makes recommendations about airworthiness matters. Recommendations in this bulletin are not mandatory.

1. Effectivity

All aircraft fitted with a Rockwell Collins:

TDR-94 ATC/Mode S Transponder (CPN 622-9352-004/005/006/007) or TDR-94D ATC/Mode S Transponder (CPN 622-9210-004/005/006/007).

2. Purpose

To remind operators that the transponders listed above are not approved for ADS-B data transmission required by the flight operations regulations.

3. Background

The ADS-B Ground Station network, established by AirServices Australia, monitors ADS-B transmissions from equipped and enabled aircraft and uses the data derived to provide ATC functions in that airspace.

The Rockwell Collins TDR-94/94D ATC/Mode S Transponders identified above are capable of ADS-B Extended Squitter transmissions, however the formats of these transmissions are not compliant with the RTCA/DO-260 or 260A Minimum Operational Performance Standards. They cannot be approved to transmit ADS-B data in Australia.

As the ground stations have been set up to process ADS-B messages having the formats established in RTCA DO-260 and DO-260A there is a risk that the ground stations will interpret the transmission from the TDR 94/94D incorrectly and provide potentially hazardous data to the ATC network.

4. Recommendations

As these transponders do not comply with the flight operations regulations, owners/operators are urged to do one of the following;

- Incorporate Rockwell Collins Service Information Letter 1-05, Extended Squitter Disable to disable the ADS-B data transmission;
- Upgrade the transponder by incorporation of an appropriate Service Bulletin available from Rockwell Collins;



- Remove the existing transponder and install a compliant item.

5. Enquiries

Enquiries with regard to the content of this Airworthiness Bulletin should be made via the direct link email address:

AirworthinessBulletin@casa.gov.au

or in writing, to:

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Civil Aviation Safety Authority
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