



Rockwell Collins Transponder TDR
94/94D

AWB 34-014 **Issue :** 1
Date : 24 March 2009

1. Applicability

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 of these aircraft that the transponders listed above are not approved for ADS-B data transmission as required by Civil Aviation Order (CAO) 20.18 Paragraph 9B.

3. Background

The ADS-B Ground Station network, established by AirServices Australia, monitors ADS-B transmissions from equipped and enabled aircraft and use 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. Recommendation

As these transponders do not comply with the requirements of CAO 20.18, 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.



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5. Enquiries

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

AirworthinessBulletin@casa.gov.au

Or in writing, to:

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