

BGA Airworthiness and Maintenance Procedure	AMP 1-7
TRANSPONDER MAINTENANCE	

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Most modern transponders have built in test equipment and display the Flight Level that the transponder is transmitting. Errors can include the wrong Flight Level transmitted to ATC or airliner TCAS systems which could present a serious hazard.

It is recommended that annually:

- an airborne check is carried out with a radar unit to ensure the transponder is transmitting and displaying the correct data.
- check that correct the ICAO 24-bit aircraft address (unique to the aircraft) has been entered into the transponder. The 24-bit address can be found on the CAA website GINFO against the aircraft registration. Link to GINFO below <https://publicapps.caa.co.uk/modalapplication.aspx?appid=1>

EASA Safety Information Bulletin SIB No 2011-15R2 details recommendations for Mode S and Mode C transponder ground testing. Note: as detailed in the SIB, these recommendations do not apply if the aircraft maintenance manual or transponder equipment manufacturer specifically states that periodic testing is not required due to other mitigation means available to detect failures of the transponder system.

[EASA Safety Information Bulletin SIB No 2011-15R2](#) can be viewed here.