



# AIRWORTHINESS BULLETIN

AWB 34-010 Issue 2 – 1 May 2018

Microair T2000SFL Transponders

## 1. Effectivity

Microair Avionics Pty Ltd T2000SFL Air Traffic Control Mode Aircraft Transponders without Revision 7 upgrade (Microair Service Bulletin T2000SFL-SB-06 dated 14 September 2009).

## 2. Purpose

Microair T2000SFL transponders without the Revision 7 upgrade may, when operated in a Mode S Secondary Surveillance Radar (SSR) environment:

- a. 'lock-up' when interrogated,
- b. display a 'NO COMM' message, and/or
- c. generate intermittent replies.

This may cause an issue when accessing Mode S SSR interrogators. Transponders may also be affected by Wide Area Multilateration surveillance in Tasmania.

## 3. Background

The anomaly with the T2000SFL transponder was first detected in early 2006 following the trial installation of a Mode S SSR interrogator at Auckland airport by Airways Corporation of New Zealand. The initial fix was a software modification which upgraded the transponder to Revision 6, this fix did not prove adequate and Microair Avionics introduced the upgrade to Revision 7 by Service Bulletin T2000SFL-SB-06.

The technical content of the Service Bulletin was approved by the Civil Aviation Safety Authority on 1 August 2006. Currently most Revision 7 upgrades have been for transponders operating in overseas Mode S radar environments.

All transponders produced since 2007 have incorporated this modification and customers are advised of the required modification when transponders produced before 2007 are serviced.

## 4. Recommendations

Operators are strongly encouraged to review their transponders have version Revision 7 installed by Microair Service Bulletin T2000SFL-SB-06. All transponders produced since 2007 have had this modification incorporated. More information may be obtained by contacting Microair Avionics at [info@microair.com.au](mailto:info@microair.com.au)



## 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](mailto:AirworthinessBulletin@casa.gov.au)

or in writing, to:

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