

SERVICE BULLETIN SB TRT800-A-H-1 Rev. 1.04

TO

All operators of Funkwerk Avionics / Filser Electronic Mode S Transponders

1 Planning Information

1A Effectivity

Mode-S Transponder TRT800A All Part-Numbers, serial numbers up to including 40539908
 Mode-S Transponder TRT800H All Part-Numbers, serial numbers up to including 30250007

All units NOT marked with MOD-Index 10

The "Mod. Index-Label" is attached at the back side of the transponder.

1B Concurrent Requirements

Not applicable

1C Reason

Reports from Air Navigation Service Providers (ANSP) as well as flight trials showed intermittent loss of detection on Mode-S Secondary Surveillance Radar (SSR) of aircraft equipped with Funkwerk Avionics Transponders (Ref.1A). These reports have shown that the unit fails to perform as expected.

1D Effectivity

In order to avoid disruptions in Air Traffic Mode S Areas, the following Modifications have to be implemented.

Gerätetyp	Mod 1	Mod 2	Mod 3	Mod 4*	Mod 5*	Mod 6	Mod 7	Mod 8	Mod 9	Mod 10
TRT800H	X	X		X	X			X		X
TRT800A	X	X		X	X	X	X	X	X	X

- *Mod4 is for Receiver-Boards ≤ Rev9
- *Mod5 is for Receiver-Boards ≥ Rev10

1E Compliance

Introduction of this modification 10 is mandatory.

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1F Approval

This modification has been approved as minor change to ETSO approvals;

EASA.21O.268	(TRT800A)
EASA.21O.269	(TRT800H)

1G Manpower

30 minutes

1H Weight and Balance

Not affected

1I Electrical Load Data

Not affected

1J Software Accomplishment

Not affected

1K Reference

None

1L Publications Affected

Not affected

2 Material Information

Not applicable

3 Accomplishment Instructions

The modification is very comprehensive and can only be done by the manufacturer.

Unmodified units shall be sent to:

Funkwerk Avionics GmbH
Gewerbestrasse 2
D-86875 Waal

We strongly recommend to contact our service department / homepage prior to shipping, don't send the units before document confirmation.

Funkwerk Avionics GmbH
D-86875 Waal

Tel.: +49-(0) 8246 9699-0
Fax.: +49-(0) 8246 1049
Email: service@funkwerk-avionics.com
Web: www.funkwerk-avionics.com

3A Working Instructions

Not applicable

3B Modification Status Marking

Modified transponders will be marked with Modification Index 10.

3C Acceptance Testing

After introduction of Modification Index 10 the Mode-S Transponder TRT800A installation checkout shall be done in accordance with the installation and operation Manual TRT800A, Document Number 03.2111.010.71 Rev1.05 section 2.6, to ensure safe aircraft operation.

After introduction of Modification Index 10 the Mode-S Transponder TRT800H installation checkout shall be done in accordance with the installation and operation Manual TRT800H, Document Number 03.2121.010.71 Rev1.03 section 2.6, to ensure safe aircraft operation.