


EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2008-0158R2</p> <p>Date: 12 November 2008</p> <p>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.</p>	
<p>This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>		
<p>Type Approval Holder's Name :</p> <p>Funkwerk Avionics GmbH</p>	<p>Type/Model designation(s) :</p> <p>TRT600 transponders</p>	
<p>ETSO Authorisation: LBA 10.930\063NTS</p>		
<p>Foreign AD : Not applicable</p>		
<p>Revision : This AD revises and replaces EASA AD 2008-0158R1 dated 17 October 2008.</p>		
ATA 34	Navigation – Mode-S Transponders – Limitation	
<p>Manufacturer(s):</p>	<p>Filser Electronic GmbH</p>	
<p>Applicability:</p>	<p>TRT600 Mode-S Transponders, all part numbers, all serial numbers.</p> <p>These transponders are known to be installed on, but not limited to, the following aircraft types:</p> <ul style="list-style-type: none"> - AMS-Flight (Rolladen-Schneider) LS 4 series Sailplanes - DG Flugzeugbau DG-800 and DG-1000 series (Powered) Sailplanes - Diamond Aircraft Industries DA 20 aircraft - Extra EA-200 and EA-300 series aircraft - HB-Flugtechnik GmbH HB 21 and HB 23 series Powered Sailplanes - Scheibe SF 25 C Powered Sailplanes - Schempp-Hirth Discus, Ventus and Nimbus series (Powered) Sailplanes - Schleicher Gliders and Powered Sailplanes - Stemme S 10 series Powered Sailplanes. 	
<p>Reason:</p>	<p>EASA has received reports of intermittent loss of detection on Mode-S Secondary Surveillance Radar (SSR) of aircraft equipped with Funkwerk Avionics TRT800A Transponders. Reports from Air Navigation Service Providers (ANSP), as well as data from flight trials, have shown that the unit fails to perform as expected. Operation of these transponders in airspace where Mode S interrogations are used by the ground systems could create disruptions in the Air Traffic Management process, potentially compromising aircraft safety.</p> <p>Because recent investigations and analyses have shown that, contrary to earlier indications, the TRT800 transponders are not affected by this unsafe</p>	

	<p>condition, AD 2008-0158 was revised (R1) to delete the TRT800 from the Applicability.</p> <p>Funkwerk Avionics has now developed a modification (Mod-Index 10), approved by EASA, which has been demonstrated to remedy the unsafe condition for TRT800A and TRT800H transponders in the current ATC environment.</p> <p>For the reason described above, the requirements for TRT800A and TRT800H transponders have been transferred to EASA AD 2008-0183 and EASA AD 2008-0158 has been revised (R2) accordingly.</p> <p>For more details, see EASA Safety Information Bulletin (SIB) 2008-84R1 which identifies further issues that may lead to future AD action.</p>
Effective Date:	04 September 2008
Required Action(s) and Compliance Time(s):	<p>Within 7 days after the effective date of this AD, accomplish the following:</p> <p>(1) Amend the applicable Aircraft Flight Manual (AFM), Limitations section, to include the following:</p> <p style="padding-left: 40px;">“Do not operate this aircraft in airspace where a transponder is required and Mode S interrogation is used by the ground system, unless accepted by the relevant ANSP(s) prior to entering this airspace”.</p> <p>This may be accomplished by inserting a copy of this AD into the AFM, section Limitations.</p> <p>(2) Install a placard in full view of the pilot(s), with the following instructions:</p> <p style="padding-left: 40px;">“Do not operate this aircraft in airspace where a transponder is required and Mode S interrogation is used by the ground system, unless accepted by the relevant ANSP(s) prior to entering this airspace”.</p>
Ref. Publications:	EASA Safety Information Bulletin 2008-84R1 dated 12 November 2008.
Remarks :	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. The required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA; E-mail ADs@easa.europa.eu 4. For any question concerning the technical content of the requirements in this AD, please contact: Funkwerk Avionics GmbH, Gewerbestrasse 2, D-86875, Waal, Federal Republic of Germany Telephone +49 (0)8246 96 99 0, Fax: +49 (0)8246 1049 E-mail service@funkwerk-avionics.com Website: http://shop.funkwerk-avionics.com