


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2008-0158R1</p> <p>Date: 17 October 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>	
Type Approval Holder's Name :	Type/Model designation(s) :
Funkwerk Avionics GmbH	TRT600, TRT800A and TRT800H transponders
ETSO Authorisation Numbers: LBA 10.930\063NTS, EASA.21O.268, EASA.21O.269	
Foreign AD :	Not applicable
Revision :	This AD revises and replaces EASA AD 2008-0158 dated 21 August 2008.
ATA 34	Navigation – Mode-S Transponders – Limitation
Manufacturer(s):	Funkwerk Avionics GmbH, Filser Electronic GmbH
Applicability:	<p>TRT600, TRT800A, and TRT800H Mode-S Transponders, all part numbers, all serial numbers.</p> <p>These transponders are known to be installed on, but not limited to, aircraft certificated (validated) by EASA under CS 22 or CS 23, and aircraft certificated (validated) by EU Member States or associated countries prior to 28 September 2003 under equivalent National Standards.</p>
Reason:	<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>Recent investigations and analyses have shown that, contrary to earlier indications, the TRT800 transponders are not affected by the unsafe condition that is addressed by this AD. For more details, see EASA Safety Information Bulletin (SIB) 2008-84 which identifies further issues that may lead to future AD action.</p> <p>For the reason described above, pending the availability of a modification that</p>

	is being developed by Funkwerk Avionics, this EASA AD has been revised to exclude TRT800 transponders from the applicability. This AD still requires the implementation of an operational limitation on all aircraft equipped with TRT600, TRT800A, and TRT800H transponders, and the installation of a placard in full view of the pilot(s).
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>"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>"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 2008-84 dated 17 October 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