


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2008-0158</b></p> <p><b>Date: 21 August 2008</b></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>
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].	
<b>Type Approval Holder's Name :</b> Funkwerk Avionics GmbH	<b>Type/Model designation(s) :</b> TRT600 and TRT800 Transponders
ETSO (or equivalent) Approvals: LBA 10.930\063NTS, EASA.21O.045, EASA.21O.268, EASA.21O.269	
Foreign AD :	Not applicable
Supersedure :	None
<b>ATA 34</b>	<b>Navigation – Mode-S Transponders – Limitation</b>
Manufacturer(s):	Funkwerk Avionics GmbH, Filser Electronic GmbH
Applicability:	<p>TRT600, TRT800, 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) under CS 22 or CS 23, or under equivalent EU Member States' or associated countries' National Standards prior to 28 September 2003.</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.</p> <p>Based on the information provided in the reports, EASA has determined that these transponders do not comply with the prevailing airworthiness requirements. 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>For the reason described above, pending the availability of a modification that is being developed by Funkwerk Avionics, this EASA AD requires the implementation of an operational limitation on all aircraft equipped with these transponders, and the installation of a placard in full view of the pilot(s).</p>
Effective Date:	04 September 2008

<p>Required Action(s) and Compliance Time(s):</p>	<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>
<p>Ref. Publications:</p>	<p>None.</p>
<p>Remarks :</p>	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>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.</li> <li>3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management &amp; Research Section, Certification Directorate, EASA; E-mail <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a></li> <li>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 <a href="mailto:service@funkwerk-avionics.com">service@funkwerk-avionics.com</a>        Website: <a href="http://shop.funkwerk-avionics.com">http://shop.funkwerk-avionics.com</a> </li> </ol>