


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2010-0005</b></p> <p><b>Date: 07 January 2010</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>	
<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 Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive 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>		
<b>Type Approval Holder's Name :</b>		<b>Type/Model designation(s) :</b>
SOCATA		TBM700 aeroplanes
TCDS Number : EASA.A.010		
Foreign AD : Not Applicable		
Supersedure: This AD supersedes DGAC France AD F-2007-015 dated 10 October 2007		
<b>ATA 32</b>	<b>Landing Gear - Main Landing Gear Wheel axle - Inspection / Modification</b>	
Manufacturer(s):	SOCATA (formerly EADS SOCATA)	
Applicability:	<p>TBM 700 aeroplanes S/N 205, 240, 244 up to 408 included, if equipped with main landing gear wheel axle Part Number (P/N) D67690 and one of the following batch numbers: CZ49133, CZ52790, CZ58448, CZ62189, CZ64034, CZ66207, CZ68039, CZ70959, CZ72081, CZ72975, CZ77612 and CZ78218.</p> <p>Note: Any marking different from D67690 CZXXXXX is not affected by this AD.</p>	
Reason:	<p>A loss of braking on a TBM 850 (commercial denomination for TBM 700) due to a main landing gear wheel attaching nut partly unscrewed has been reported to Socata. Such incident, if not corrected, could lead to a wheel loss. The investigation revealed that this incident was due to a wheel axle machining issue, concerning a few production batches.</p> <p>Correction of this unsafe condition was until now covered by the DGAC France AD F-2007-015.</p> <p>EASA is now responsible for issuance of mandatory continuing airworthiness information related to production discrepancies. Accordingly, requirements of some ADs issued by European national airworthiness authorities are retained by EASA when found necessary.</p> <p>This AD, which supersedes DGAC France AD F-2007-015 retaining its requirements, requires the inspection of the main landing gear wheel axle batch number and if necessary replacement of the locking washer.</p>	

Effective Date:	21 January 2010
Required action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Before next flight after 20 September 2007, the effective date of DGAC France AD F-2007-015, inspect the main landing gear wheel axles batch number in accordance with the accomplishment instructions of EADS SOCATA Alert Service Bulletin SB 70-151-32 R1 paragraph A.</p> <p>(1.1) If the batch number of the main landing gear wheel axle is not part of the batches listed in paragraph "Applicability" of this AD, no further action is required by this AD.</p> <p>(1.2) If the batch number of the main landing gear wheel axle is part of the batches listed in paragraph "Applicability" of this AD, before next flight, accomplish SB 70-151-32 R1 paragraph B "Checking procedure of axle conformity".</p> <p>(1.3) If paragraph (1.2) of this AD applies, one Ferry-flight is authorized after verification of the nut tightening according to SB 70-151-32 R1 paragraph C "Checking procedure of nut tightening", to reach a maintenance repair station equipped with the inspection tool (Ref: SKT40716-118) necessary for accomplishment of SB 70-151-32 R1 paragraph B.</p> <p>(2) If the verification required in paragraph (1.2) reveals that the axles are compliant, no further action is required by this AD.</p> <p>(3) If one of the axles is found non-compliant after inspection in accordance with paragraph 1.2) of this AD, before next flight, replace the original locking washer with a new or serviceable locking washer P/N SKW40716-118R and identify the axle with inscription "SB70-151-32" by means of indelible ink in accordance with MESSIER DOWTY Technical Instruction CS/ 1020/07 Revision 1.</p> <p>(4) Locking washers P/N SKW40716-118 installed in accordance with requirements of SB 70-151-32 initial issue are to be replaced by locking washers P/N SKW40716-118R before 31 August 2008, in accordance with SB 70-151-32 R1.</p> <p>(5) After 20 September 2007, the effective date of DGAC France AD F-2007-015, if the main landing gear wheel axles are replaced by a new or serviceable parts compliant with the requirements of this AD, no further action is required by this AD.</p>
Ref. Publications:	<p>EADS SOCATA Service Bulletin 70-151-32 R1</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks :	<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 questions concerning the technical content of the requirements in this AD, please contact:</li> </ol> <p style="text-align: center;">SOCATA – Direction des Services – 65921 Tarbes Cedex 9 – France Tel. : +33 (0)5 62 41 73 00 Fax : +33 (0)5 62 41 76 54</p>

	<p style="text-align: center;">or for the U.S.A</p> <p style="text-align: center;">SOCATA AIRCRAFT, INC. – North Perry Airport – 7501 South Airport Rd. Pembroke Pines, FL 33023 – United States of America Tel.: 1 (954) 893 1400      Fax: 1 (954) 964 4141</p>
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