


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2008-0118</p> <p>Date: 27 June 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>EADS-CASA (formerly Construcciones Aeronáuticas, S.A.)</p>	<p>Type/Model designation(s) :</p> <p>CN-235 series aircraft</p>
<p>TCDS Number : EASA A.186</p>	
<p>Foreign AD : Not applicable</p>	
<p>Supersedure : None</p>	
ATA 30	Ice & Rain Protection – De-Icing Boots Control System – Modification
Manufacturer(s):	EADS-CASA; Construcciones Aeronáuticas S.A.(CASA)
Applicability:	CN-235, CN-235-100, CN-235-200 and CN-235-300 aircraft, all serial numbers up to, but not including, C-139.
Reason:	<p>During operation in icing conditions, an asymmetric configuration of the de-icing boots was detected, occurring during the inflation and deflation check of the de-icing system. This was found to be due to an unexpected failure mode in the pneumatic and de-icing system's control electronic logic. This condition, if not corrected, could affect the de-icing capabilities of the boots installed on the wing and horizontal stabilizers, potentially leading to loss of control of the aircraft.</p> <p>To address and correct this unsafe condition, EADS-CASA developed modification 31558, approved by DGAC-Spain and incorporated into the Type Design Definition through the approval of CN-235-300 version AE02, revision 14 of Spanish Type Certificate DGAC 01/86, dated 22 March 2002, and modification 31607, Minor Change approved by EADS-CASA under their DOA 21J.032 privileges, complementary to modification 31558. The entire modification package consists of an improvement of the de-icing boots electronic control system, making it capable of detecting all possible boot configurations on wings and horizontal stabilizers without affecting pneumatic system functions. The instructions for the in-service accomplishment of this modification have been published as CN-235 Service Bulletin (SB) 235-30-16 dated 21 January 2005.</p> <p>For the reasons described above, this EASA AD requires the modification of the De-Icing Boots control system in all aircraft that have not yet implemented the modification.</p>
Effective Date:	11 July 2008

Required action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: Within the next 6 months after the effective date of this AD, modify the aircraft de-icing boots control system in accordance with the accomplishment instructions of EADS-CASA SB 235-30-16.
Ref. Publication:	EADS-CASA CN-235 SB 235-30-16 dated 21 January 2005. The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.
Remarks :	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 28 May 2008 as PAD 08-058 for consultation until 25 June 2008. No comments were received during the consultation period. 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: EADS-CASA, Military Transport Aircraft Division (MTAD), Integrated Customer Services (ICS), Technical Services, Avenida de Aragón 404, 28022 Madrid, Spain; Telephone +34 91 585 55 84; Facsimile +34 91 585 55 05; E-mail: MTA.TechnicalService@casa.eads.net