


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2008-0119</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: This AD supersedes DGAC Spain AD Nr. 1/97 Revision 1 dated 24 March 2000.</p>	
ATA 57	Wings – Outer Flaps Longerons & Fittings – Inspection / Modification / Replacement
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, if Part Number (P/N) 35-15501-0001, -0002, -0003 or -0004, or P/N 35-A0736-0001 or -0002 outer flaps are installed.
Reason:	<p>As a consequence of cracks detected on some CN-235 aircraft, in flap fittings P/N 35-15501-0101, -0102, -0201 and -0202, attaching the structure of the outer flaps to their rear supports and, in the adjacent structure, DGAC Spain issued AD Nr. 01/97 which required, pending the analysis of the problem, boroscopic inspections of the attachment zones between both outer flaps to their rear support. After concluding that process and based on the investigation results, DGAC Spain issued AD Nr. 1/97 Rev.1 to require the replacement of the outer flaps with new designed parts, as specified in EADS-CASA Service Bulletin (SB) 235-57-20.</p> <p>Since AD 1/97 Rev.1 was published, similar cracks have been detected in flaps longerons. EADS-CASA issued SB 235-57-20 Revision 1, extending the scope of the inspection to these flaps longerons, instructing the drilling of holes to facilitate the inspection and introducing an improved outer flap replacement kit that included a new improved longeron. SB 235-57-20 Revision 2 has been issued to add useful references and to update the applicability.</p> <p>For the reasons described above, this new EASA AD retains the requirements of DGAC Spain AD Nr. 1/97 Rev.1, which is superseded, and confirms the approval of additional outer flaps replacement options, as specified in paragraph 2 E.2 of EADS-CASA SB 235-57-20 R2.</p>
Effective Date:	11 July 2008

Required action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) Within the next 800 flight cycles (FC) after 08 April 2000 [the effective date of DGAC Spain AD Nr. 1/97 Rev.1] and thereafter at intervals not to exceed 300 FC or 6 months, whichever occurs first, accomplish a boroscopic inspection of the outer flaps fittings and longerons in accordance with paragraph 2 D of EADS-CASA SB 235-57-20; (2) Inspections and corrective actions accomplished prior to the effective date of this AD, in accordance with EADS-CASA SB 235-57-20 at original issue or Revision 1, are acceptable to comply with the initial requirements of paragraph (1) of this AD. After the effective date of this AD, repetitive inspections and corrective actions must be accomplished in accordance with EADS-CASA SB 235-57-20 at Revision 2; (3) Before each affected flap accumulates 800 FC after installation on any aircraft or concurrent with the next repeat inspection as required by paragraph (2) of this AD, whichever occurs later after the effective date of this AD, accomplish the modifications of the flaps aft fittings in accordance with paragraphs 2 B and 2 C of EADS-CASA SB 235-57-20; (4) When cracks are found in the outer flaps fittings or longerons during any inspection as required by paragraph (1) or (2) of this AD, before next flight, replace the outer flaps in accordance with paragraph 2 E of EADS-CASA SB 235-57-20; (5) Replace each outer flap in accordance with paragraph 2 E of EADS-CASA SB 235-57-20 at the time indicated in option (a) or (b) below, whichever occurs later: <ol style="list-style-type: none"> (a) Before the flap accumulates 4 000 FC after installation on any aircraft, or (b) Within 1 200 FC or 24 months after the effective date of this AD, whichever occurs first.
Ref. Publications:	<p>EADS-CASA CN-235 SB 235-57-20 original issue dated 23 December 1997, Revision 1 dated 30 April 2004 and Revision 2 dated 30 March 2007.</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"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 27 May 2008 as PAD 08-059 for consultation until 24 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