


EASA	AIRWORTHINESS DIRECTIVE	
	<p>AD No.: 2012-0159</p> <p>Date: 22 August 2012</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>Design Approval Holder's Name: Short Brothers PLC</p>		<p>Type/Model designation(s): SC7 Skyvan Series 3</p>
Approval Number:	CAA United Kingdom (UK) Airworthiness Approval Number (AAN) 9877, Addendum 1	
Foreign AD:	Not applicable	
Supersedure:	This AD supersedes UK CAA AD No 019-09-81.	
ATA 05		
Time Limits / Maintenance Checks – Fatigue Life Limitations – Implementation		
Manufacturer(s):	Short Brothers PLC (formerly Short Brothers Ltd; Short Brothers & Harland Ltd.)	
Applicability:	SC7 Skyvan Series 3 aeroplanes, serial numbers SH.1883, SH.1845, SH.1847, SH.1960, SH.1889 and SH.1943.	
Reason:	<p>Short Brothers Service Bulletin (SB) 51-52 defines the fatigue life limitations applicable to certain SC7 aeroplanes based on their operational exposure to specific flight profiles. Initial fatigue life limitations and extended lives are defined as subject to the accomplishment of modifications, inspections and replacement of life limited items.</p> <p>Compliance with the instructions and limitations of SB 51-52 at issue 4 was identified as necessary to ensure the continued airworthiness of this type design and consequently, UK CAA classified the SB as mandatory under AD No. 019-09-81, to require operators to comply with those instructions.</p> <p>Since that AD was issued, Short Brothers published Revision 6 of SB 51-52 to introduce changed thresholds for modifications, inspections and replacement of life limited items required to extend the SH.1943 aeroplane service life. Failure to comply with SB 51-52 at revision 6 constitutes an unsafe condition.</p> <p>For the reason described above, this EASA AD retains the requirements of UK CAA AD No 019-09-81, which is superseded, and requires the implementation of the new or more restrictive maintenance requirements and/or airworthiness limitations as specified in Short Brothers SB 51-52 at revision 6.</p>	

Effective Date:	05 September 2012
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> (1) After the effective date of this AD, to allow operation of an aeroplane beyond its operational service life, as defined by Total Airframe Time in paragraph 1.C of Short Brothers SB 51-52 at revision 6, for airframes SH 1883, SH1845 and SH1847 or beyond the relevant flight cycle figures listed in paragraph 1.C of Short Brothers SB 51-52 at revision 6, for airframes SH1960, SH1889 and SH1943, accomplish the following actions, in accordance with Skyvan Maintenance Programme Section 1-2B and Appendix 1 Part C, D, E, F or G, as applicable (hereafter referred to as Skyvan MP), incorporated by reference in Short Brothers SB 51-52 at revision 6, or later approved revisions: <ol style="list-style-type: none"> (1.1) Replace each component before or upon reaching the applicable life limit, and (1.2) Within the thresholds and intervals, accomplish all applicable modifications and maintenance tasks, including supplemental maintenance tasks. (2) In case of finding any irregularity during accomplishment of any task as required by paragraph (1) of this AD, within the applicable compliance time specified in Skyvan MP, accomplish the applicable maintenance procedures for corrective actions in accordance with the approved maintenance documentation. If no compliance time is identified in Skyvan MP, accomplish the applicable corrective actions before next flight. If a detected irregularity is not identified in Skyvan MP, before next flight, contact Short Brothers plc for approved instructions and accomplish those instructions accordingly. (3) Accomplishment, before the effective date of this AD, of modifications, maintenance tasks and replacements of life limited items, in accordance with the instructions of Short Brothers SB 51-52 at revision 5, or earlier revisions, are acceptable to comply with the initial requirements of paragraph (1) of this AD. After the effective date of this AD, SB 51-52 at revision 6, or a later revision, must be used. (4) Compliance with the requirements of paragraphs (1) and (2) of this AD can be demonstrated by: <ol style="list-style-type: none"> (4.1) Revising as follows the approved Aircraft Maintenance Programme (AMP) on the basis of which the operator or the owner ensures the continuing airworthiness of each operated aeroplane: <p>Incorporate the applicable maintenance requirements and associated airworthiness limitations as specified (incorporated by reference) in Short Brothers SB 51-52 at revision 6,</p> <p>and</p> (4.2) Complying with the approved AMP described in paragraph (4.1) of this AD.
Ref. Publications:	<p>Short Brothers PLC Service Bulletin 51-52 issue 6 dated September 2011. Skyvan Maintenance Programme at AL26 revision.</p> <p>The use of later approved revisions of these documents 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 June 2012 as PAD 12-066 for consultation until 25 July 2012. No comments were received during the consultation period.

	<p>3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu.</p> <p>4. For any question concerning the technical content of the requirements in this AD, please contact: Airworthiness, Short Brothers PLC, PO Box 241, Airport Road, Belfast, BT3 9DZ Northern Ireland, Telephone: +44(0)2890462469, Fax: +44(0)2890468444. Email: michael.mulholland@aero.bombardier.com.</p>
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