

<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2015-0118</b></p> <p><b>Date: 24 June 2015</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 EU 748/2012, Part 21.A.3B. In accordance with EU 1321/2014 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 [EU 1321/2014 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><b>Design Approval Holder's Name:</b> AIRBUS</p>	<p><b>Type/Model designation(s):</b> A300-600, A300-600ST and A310 aeroplanes</p>	
<p>TCDS Numbers: EASA.A.172 and EASA.A.014</p>		
<p>Foreign AD: Not applicable</p>		
<p>Supersedure: This AD supersedes EASA AD 2014-0280 dated 19 December 2014.</p>		
<b>ATA 35</b>	<b>Oxygen – Chemical Oxygen Generators – Replacement</b>	
<p>Manufacturer(s):</p>	<p>Airbus (formerly Airbus Industrie)</p>	
<p>Applicability:</p>	<p>Airbus A300-600, A300-600ST and A310 aeroplanes, all certified models, all manufacturer serial numbers.</p>	
<p>Reason:</p>	<p>Reports have been received indicating premature ageing of certain chemical oxygen generators, Part Number (P/N) 117042-XX (XX representing any numerical value), manufactured by B/E Aerospace. Some operators reported that when they tried to activate generators, some older units failed to activate. Given the number of failed units reported, all generators manufactured in 1999, 2000 and 2001 were considered unreliable.</p> <p>This condition, if not corrected, could lead to failure of the generator to activate and consequently not deliver oxygen during an emergency, possibly resulting in injury to aeroplane occupants.</p> <p>To address this potential unsafe condition, Airbus issued Alert Operators Transmission (AOT) A35W008-14, making reference to B/E Aerospace Service Information Letter (SIL) D1019-01 (currently at Revision 1) and B/E Aerospace Service Bulletin (SB) 117042-35-001. Consequently, EASA issued AD 2014-0280 to require identification and replacement of the affected oxygen generators.</p> <p>Since EASA AD 2014-0280 was issued, and following new investigation results, EASA have decided to introduce a life limitation concerning all P/N 117042-XX chemical oxygen generators, manufactured by B/E Aerospace.</p> <p>For the reason described above, this AD retains the requirements of EASA AD 2014-0280, which is superseded, expands the scope of the AD to include chemical oxygen generators manufactured after 2001, and requires their removal from service before exceeding 10 years since date of manufacture.</p>	

Effective Date:	08 July 2015								
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p><b>Partial restatement of the requirements of EASA AD 2014-0280:</b></p> <p>(1) Within the compliance time specified in Table 1 of this AD, as applicable, identify the date of manufacture (see Appendix 1 of this AD where this is located) of each oxygen generator, having a P/N as listed in Table 1 of this AD, in accordance with the instructions of Airbus AOT A35W008-14.</p> <p>A review of aeroplane maintenance records is acceptable to make this identification, provided those records can be relied upon for the purpose of this requirement.</p> <p>(2) Within the compliance time specified in Table 1 of this AD, as applicable, remove each affected oxygen generator from service and replace it with a serviceable unit in accordance with the instructions of Airbus AOT A35W008-14 (for 15 and 22 min generators), or the instructions of B/E Aerospace SB 117042-35-001 (for 15 min generators).</p> <p>B/E Aerospace SIL D1019-01 Revision 1 provides instructions for the activation and the disposal of a removed oxygen generator. Airbus AOT A35W008-14 (Appendix 1) includes instructions for reporting the results of the activation (including no findings) of removed units.</p> <p>Table 1 – Replacement of pre-2002 Passenger Oxygen Generators</p> <table border="1" data-bbox="512 943 1442 1408"> <thead> <tr> <th data-bbox="512 943 911 992">P/N (type)</th> <th data-bbox="911 943 1442 992">Compliance Time</th> </tr> </thead> <tbody> <tr> <td data-bbox="512 992 911 1196">117042-02 (15 min - 2 masks) 117042-03 (15 min - 3 masks) 117042-04 (15 min - 4 masks)</td> <td data-bbox="911 992 1442 1196">For units manufactured in or before 1999, before exceeding 15 years since date of manufacture, or within 30 days after 24 December 2014 [the effective date of EASA AD 2014-0280], whichever occurs later</td> </tr> <tr> <td data-bbox="512 1196 911 1301">117042-22 (22 min - 2 masks) 117042-23 (22 min - 3 masks) 117042-24 (22 min - 4 masks)</td> <td data-bbox="911 1196 1442 1301">For units manufactured in 2000, within 6 months after 24 December 2014 [the effective date of EASA AD 2014-0280]</td> </tr> <tr> <td data-bbox="512 1301 911 1408"></td> <td data-bbox="911 1301 1442 1408">For units manufactured in 2001, within 12 months after 24 December 2014 [the effective date of EASA AD 2014-0280]</td> </tr> </tbody> </table> <p><b>New requirements of this AD:</b></p> <p>(3) Within the compliance time as specified in Table 2 of this AD, as applicable, and, for generators with a manufacturing date 2009 or later, before exceeding 10 years since date of manufacture of the oxygen generator, remove from service each oxygen generator manufactured by B/E Aerospace and having a P/N 117042-XX, and replace it with a serviceable unit (see Note) in accordance with the instructions of Airbus AOT A35W008-14 (for 15 and 22 min generators), or the instructions of B/E Aerospace SB 117042-35-001 (for 15 min generators).</p> <p>Note: For the purpose of this AD, a serviceable unit is an oxygen generator having P/N 117042-XX with a manufacturing date not older than 10 years, or any other approved P/N, provided that the generator has not exceeded the limit established for that generator by the manufacturer.</p>	P/N (type)	Compliance Time	117042-02 (15 min - 2 masks) 117042-03 (15 min - 3 masks) 117042-04 (15 min - 4 masks)	For units manufactured in or before 1999, before exceeding 15 years since date of manufacture, or within 30 days after 24 December 2014 [the effective date of EASA AD 2014-0280], whichever occurs later	117042-22 (22 min - 2 masks) 117042-23 (22 min - 3 masks) 117042-24 (22 min - 4 masks)	For units manufactured in 2000, within 6 months after 24 December 2014 [the effective date of EASA AD 2014-0280]		For units manufactured in 2001, within 12 months after 24 December 2014 [the effective date of EASA AD 2014-0280]
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Table 2 - Replacement of 2002-2008 Oxygen Generators	
Year of manufacture	Compliance Time (after the effective date of this AD)
2002	Within 12 months
2003	Within 16 months
2004	Within 20 months
2005	Within 24 months
2006	Within 28 months
2007	Within 32 months
2008	Within 36 months

(4) From the effective date of this AD, it is allowed to install on any aeroplane an oxygen generator, provided it is determined, prior to installation, that the oxygen generator is a serviceable unit (see Note).

Ref. Publications:	<p>Airbus AOT A35W008-14 dated 18 December 2014.</p> <p>B/E Aerospace SB 117042-35-001 original issue dated 10 December 2014.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p> <p>B/E Aerospace SIL D1019-01 Revision 1, dated 03 January 2000, provides instructions for the activation and the disposal of a removed generator.</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. This AD was posted on 22 May 2015 as PAD 15-063 for consultation until 19 June 2015. No comments were received during the consultation period</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information 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: AIRBUS – EIAW (Airworthiness Office), E-mail: <a href="mailto:continued.airworthiness-wb.external@airbus.com">continued.airworthiness-wb.external@airbus.com</a>.</li> </ol>

Appendix 1 – Passenger Oxygen Generator Date of Manufacture

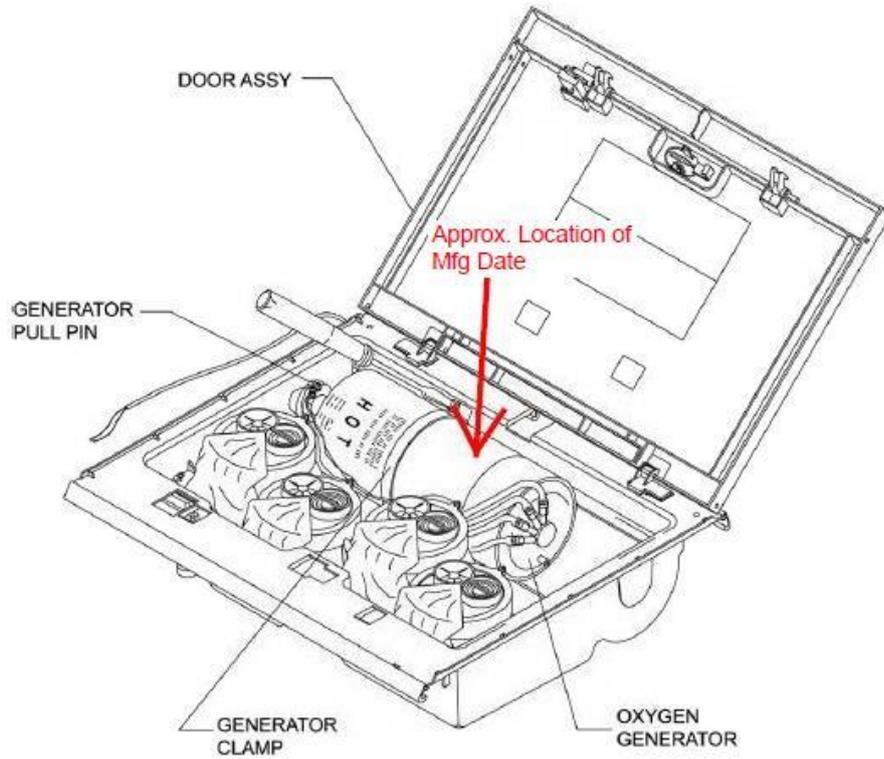


Figure 1 – Location of date (MM-YY)



Figure 2 – MFG.DATE (05-02 = May 2002) example