EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2013-0006 **Date: 11 January 2013** 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.

This AD is issued in accordance with EU 748/2012, Part 21.A.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].

Design Approval Holder's Name:	**Type/Model designation(s):**
AIRBUS	A380 aeroplanes

TCDS Number:	EASA.A.110
Foreign AD:	Not applicable
Supersedure:	None

ATA 35	**Oxygen – Passenger Oxygen Rigid Pipe – Inspection / Replacement / Modification**
Manufacturer(s):	Airbus
Applicability:	Airbus A380-841, A380-842, and A380-861 aeroplanes, manufacturer serial numbers 0023, 0025, 0028 through 0030 inclusive, 0033, 0034, 0038 and 0040 through 0052 inclusive.
Reason:	During an inspection on an in-production aeroplane a low clearance between a cabin oxygen rigid pipe, located on the upper deck ceiling on frame (FR) 54 stringer 4 Left Hand (LH) side and the surrounding structure, was reported. This condition, if not detected and corrected, could lead to cabin oxygen rigid pipe damage, leakage at contact point and loss of the passenger oxygen system, possibly resulting in exposure of the passengers to hypoxia following aeroplane depressurization. To address this potential unsafe condition, Airbus issued Service Bulletins (SB) A380-35-8018, SB A380-35-8011 and SB A380-35-8012 to provide instructions for a one-time inspection and, depending on findings, replacement and modification of the affected oxygen rigid pipe. For the reasons described above, this AD requires a one-time Detailed Visual Inspection (DVI) of the cabin oxygen rigid pipe at FR54 stringer 4 LH side and, depending on findings, accomplishment of applicable corrective action(s).
Effective Date:	25 January 2013

Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) Within 72 months after the aeroplane first flight, accomplish a one-time DVI of the cabin oxygen rigid pipe at FR54 stringer 4 LH side in accordance with the instructions of Airbus SB A380-35-8018. (2) If, during the inspection as required by paragraph (1) of this AD, a damaged pipe is found, before next flight, replace the affected oxygen rigid pipe with a serviceable oxygen rigid pipe in accordance with the instructions of Airbus SB A380-35-8011. (3) If, during the inspection as required by paragraph (1) of this AD, no damaged pipe is found, before next flight, measure the clearance between the oxygen rigid pipe and FR54 stringer 4 LH side in accordance with the instructions of Airbus SB A380-35-8018. (3.1) If the clearance, measured as required by paragraph (3) of this AD, is less than 3 mm, before next flight, replace the affected oxygen rigid pipe with a serviceable oxygen rigid pipe in accordance with the instructions of Airbus SB A380-35-8011. (3.2) If the clearance, measured as required by paragraph (3) of this AD, is equal to or more than 3 mm but less than 5 mm, before next flight, modify the installation of the affected oxygen rigid pipe in accordance with the instructions of Airbus SB A380-35-8012. Note: If the clearance, measured as required by paragraph (3) of this AD, is equal to or more than 5 mm, no further action is required by this AD.
Ref. Publications:	Airbus SB A380-35-8011 at original issue dated 31 August 2012. Airbus SB A380-35-8012 at original issue dated 31 August 2012. Airbus SB A380-35-8018 at original issue dated 31 August 2012. The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.
Remarks:	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 09 November 2012 as PAD 12-139 for consultation until 07 December 2012. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS SAS - EIANA (Airworthiness Office), Telephone : +33 562 110 253 ; Fax: +33 562 110 307 E-mail: account.airworth-A380@airbus.com, nabil.tahiri@airbus.com and sandra.cuiec@airbus.com.