

 <b>適航指令發布單</b> <b>Airworthiness Directive Issuance Form</b>			
民航局 AD 編號 AD number	CAA-2015-11-003	發布日期 Date issued	2015/11/9
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Airbus A330-201, A330-202, A330-203, A330-223, A330-223F, A330-243, A330-243F, A330-301, A330-302, A330-303, A330-321, A330-322, A330-323, A330-341, A330-342 and A330-343 aeroplanes, manufacturer serial numbers 1175, 1180, 1287 through 1475 inclusive		
主旨摘要	Fuselage - Cabin and Cargo Compartments Structural Parts - Inspection		
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authorities <input type="checkbox"/> FAA <input type="checkbox"/> Germany LBA <input checked="" type="checkbox"/> EASA <input type="checkbox"/> CAA-NL <input type="checkbox"/> Brazil <input type="checkbox"/> UK CAA <input type="checkbox"/> Transport Canada Civil Aviation <input type="checkbox"/> Japan CAB <input type="checkbox"/> DGAC <input type="checkbox"/> CAA of Israel <input type="checkbox"/> Other _____		
	設計國 AD 編號 Original AD number	2015-0212	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	ATA 53. Ref. Publications: Airbus SB A330-53-3227 original issue dated 18 August 2015. and Airbus SB A330-53-3228 original issue dated 18 August 2015.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a> Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a>			



## Airworthiness Directive

**AD No.:** 2015-0212

**Issued:** 04 November 2015

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, 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 Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

**Design Approval Holder's Name:**

AIRBUS

**Type/Model designation(s):**

A330 aeroplanes

**Effective Date:** 18 November 2015

**TCDS Number(s):** EASA.A.004

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 53 – Fuselage – Cabin and Cargo Compartments Structural Parts – Inspection

#### Manufacturer(s):

Airbus (formerly Airbus Industrie)

#### Applicability:

Airbus A330-201, A330-202, A330-203, A330-223, A330-223F, A330-243, A330-243F, A330-301, A330-302, A330-303, A330-321, A330-322, A330-323, A330-341, A330-342 and A330-343 aeroplanes, manufacturer serial numbers 1175, 1180, 1287 through 1475 inclusive, 1478, 1480, 1483 and 1506 inclusive.

#### Reason:

Airbus quality controls identified that several structural parts, intended for cargo or cabin compartment installation, were manufactured from improperly heat-treated materials. Subsequent review identified that some of those parts were installed on aeroplanes manufactured between November 2011 and February 2013. From February 2013, Airbus implemented measures into manufacturing processes to ensure detection and to prevent installation of such non-conforming parts.

A detailed safety assessment was accomplished to identify the possible impact of affected parts on the aeroplane structure. The result of this structural analysis demonstrated the capability of the



affected structure to sustain static limit loads, but failed to confirm that the affected structures met the certified fatigue life.

This condition, if not detected and corrected, could lead to crack initiation and propagation, possibly resulting in reduced structural integrity of the fuselage.

To address this potentially unsafe condition, Airbus issued Service Bulletin (SB) SB A330-53-3227 and SB A330-53-3228 to provide inspection instructions for affected cargo and cabin structural parts respectively.

For the reasons described above, this AD requires a one-time Special Detailed Inspection (SDI) to measure the electrical conductivity of affected structural parts, to identify the presence or absence of heat treatment, and, depending on findings, corrective action.

**Required Action(s) and Compliance Time(s):**

Required as indicated, unless accomplished previously:

- (1) Before exceeding 72 months since aeroplane first flight, accomplish an SDI of each structural part, as identified in, and in accordance with the instructions of Airbus SB A330-53-3227 (cargo compartment structure) and Airbus SB A330-53-3228 (cabin compartment structure).
- (2) If, during the SDI, as required by paragraph (1) of this AD, a structural part is identified that has not been properly heat-treated, before next flight, accomplish the corrective action, as specified in paragraph (2.1) or (2.2) of this AD, as applicable:
  - (2.1) Contact Airbus for approved instructions and, within the compliance time specified in those instructions, replace the affected part accordingly.
  - (2.2) Replace the affected structural part with a serviceable part in accordance with the instructions of Airbus SB A330-53-3227 or SB A330-53-3228, as applicable.

**Ref. Publications:**

Airbus SB A330-53-3227 original issue dated 18 August 2015.

Airbus SB A330-53-3228 original issue dated 18 August 2015.

The use of later approved revisions of this document 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 10 September 2015 as PAD 15-120 for consultation until 08 October 2015. No comments were received during the consultation period



3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – EIAL; E-mail: [airworthiness.A330-A340@airbus.com](mailto:airworthiness.A330-A340@airbus.com).

