



### 適航指令發布單

## Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2021-04-010	發布日期 Date issued	2021/4/20
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, A330-343 and A330-941 aeroplanes, all manufacturer serial numbers (MSN), and; Airbus A340-211, A340-212, A340-213, A340-311, A340-312, A340-313, A340-541, A340-542, A340-642 and A340-643 aeroplanes, all MSN.		
主旨摘要	Navigation – Air Data Reference Inoperative / Master Minimum Equipment List – Amendment		
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 checked="" type="checkbox"/> EASA <input type="checkbox"/> Brazil <input type="checkbox"/> Transport Canada Civil Aviation <input type="checkbox"/> DGAC <input type="checkbox"/> Germany LBA <input type="checkbox"/> CAA-NL <input type="checkbox"/> UK CAA <input type="checkbox"/> Japan CAB <input type="checkbox"/> CAA of Israel <input type="checkbox"/> Other _____		
	設計國 AD 編號 Original AD number	2021-0103	
	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 <input type="checkbox"/> date as) : _____ b. 執行時限另訂為(Re-specify the compliance <input type="checkbox"/> time or period as) : _____ <input type="checkbox"/>		
	2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do <input type="checkbox"/> 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 34. Ref. Publications: Airbus A330/A340 MMEL MER dated 25 February 2021, EASA approval reference LR00D21000798.		
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.:** 2021-0103

**Issued:** 13 April 2021

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 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 (EU) 2018/1139, Article 71 exemption].

### Design Approval Holder's Name:

AIRBUS

### Type/Model designation(s):

A330 and A340 aeroplanes

**Effective Date:** 27 April 2021

**TCDS Number(s):** EASA.A.004, EASA.A.015

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 34 – Navigation – Air Data Reference Inoperative / Master Minimum Equipment List – Amendment

#### Manufacturer(s):

Airbus

#### 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, A330-343 and A330-941 aeroplanes, all manufacturer serial numbers (MSN), and;

Airbus A340-211, A340-212, A340-213, A340-311, A340-312, A340-313, A340-541, A340-542, A340-642 and A340-643 aeroplanes, all MSN.

#### Definitions:

For the purpose of this AD, the following definitions apply:

**The MMEL MER:** Airbus A330/A340 ATA34 Master Minimum Equipment List (MMEL) item 34-10-01: ADR, Major Event Revision (MER), EASA approval reference LR00D21000798.

#### Reason:

In the frame of flight test clearance process, a detailed analysis of Air Data Reference (ADR) failure scenarios led to identification of one specific failure scenario for which compliance with requirements for loads and handling qualities throughout the flight envelope could be impaired in



case of dispatch with one ADR inoperative (MMEL item 34-10-01) during the maximum interval allowed by the current MMEL.

This condition, if not corrected, in case of in-flight loss of a second ADR combined with erroneous low speed data provided by the remaining functional ADR, could result in loss of control of the aeroplane.

To address this potential unsafe condition, Airbus issued the MMEL MER, as defined in this AD, that incorporates a restriction of the repair interval for ATA34 MMEL item 34-10-01: ADR.

For the reasons described above, this AD requires implementation of a dispatch restriction through amendment of the A330/A340 MMEL provided by Airbus for implementation into operator's MEL.

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

Required as indicated, unless accomplished previously:

#### **MMEL Change / Dispatch Restriction:**

Within 90 days after the effective date of this AD, implement in the operational documentation the MMEL change related to ATA34 MMEL item 34-10-01 in accordance with the MMEL MER, inform all flight crews, and, thereafter, operate the aeroplane accordingly.

#### **Ref. Publications:**

Airbus A330/A340 MMEL MER dated 25 February 2021, EASA approval reference LR00D21000798.

The use of later approved MMEL revisions including the content of the MMEL MER, as defined in this AD, are 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 08 March 2021 as PAD 21-036 for consultation until 05 April 2021. The Comment Response Document can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD
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. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.



5. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – IIAL (Airworthiness Office), E-mail: [airworthiness.A330-A340@airbus.com](mailto:airworthiness.A330-A340@airbus.com).

