ENTE NAZIONALE PER L'AVIAZIONE CIVILE

Rif. N. 2014-359 del 06/nov/14

Prescrizione di Aeronavigabilità
Airworthiness Directive

Si allega la Prescrizione di Aeronavigabilità emessa dalla:
Attached the Airworthiness Directive issued by:

☒ **Agenzia Europea per la Sicurezza Aerea**
European Aviation Safety Agency

☐ **Autorità Primaria di Certificazione**
Primary Certification Authority

RIFERIMENTO AD **AD Reference**	**EASA** N. **2014-0242**
COSTRUTTORE **Manufacturer**	**AIRBUS**
SOGGETTO **Applicability**	**A330 aeroplanes**
OGGETTO **Subject**	**Navigation - Terrain awareness warning system - power cycle (reset)**
NOTE **Remark**	**//**

Nota 1
Il Certificato di Navigabilità dell'aeromobile sulle cui strutture od impianti deve essere applicata la Prescrizione di Aeronavigabilità a riferimento, scade di validità qualora essa non venga attuata nei termini prefissati.
The Certificate of Airworthiness of the aircraft to which structures and/or systems the referenced Airworthiness Directive shall be applied expires if the AD is not embodied within specified terms.

Nota 2
Per ulteriori informazioni contattare ENAC Direzione Regolazione Navigabilità **email : ad@enac.gov.it**
For further information contact ENAC Airworthiness Regulation Department **fax :+390644596611**

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2014-0242 **Date: 05 November 2014** 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	A330 aeroplanes

TCDS Number:	EASA.A.004
Foreign AD:	Not Applicable
Supersedure:	None

ATA 34	**Navigation – Terrain Awareness Warning System – Power Cycle (Reset)**
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, all manufacturer serial numbers (MSN), on which Airbus modification 202097 (T3CAS std 1.1) or modification 202849 (T3CAS std 1.2) has been embodied in production.
Reason:	Cases were reported of spurious Terrain Awareness Warning System (TAWS) alerts during approach and take off, with aeroplane fitted with the Terrain and Traffic Collision Avoidance System with Transponder (T3CAS). Investigations on the unit were launched with the manufacturer of the system (ACSS). The results of the laboratory investigation confirmed that an internal frozen Global Positioning System position anomaly occurs when the T3CAS is constantly powered 'ON' for more than 149 hours. The origin for this defect was identified as a counter limitation related to a T3CAS internal software misbehaviour, not self-detected. This condition, if not corrected, could lead to spurious TAWS alerts (Collision Prediction and Alerting (CPA), or missing legitimate CPA), which could increase flight crew workload during critical landing or take off phases, possibly resulting in reduced control of the aeroplane. Prompted by these reports, Airbus issued Alert Operators Transmission (AOT) A34L003-13 to provide instructions to accomplish an on ground repetitive power cycle of the T3CAS before exceeding 120 hours of continuous power. For the reasons described above, this AD requires repetitive on ground power cycles of the T3CAS unit.

<table>
<tr><td>Effective Date:</td><td>19 November 2014</td></tr>
<tr><td>Required Action(s) and Compliance Time(s):</td><td>
Required as indicated, unless accomplished previously:

(1) For aeroplanes equipped with a T3CAS unit having a Part Number (P/N) listed in Table 1 of this AD, within 30 days after the effective date of this AD, and, thereafter, at intervals not to exceed 120 hours of continuous power of the T3CAS, accomplish an on ground power cycle of the T3CAS in accordance with the instructions of Airbus AOT A34L003-13.

Table 1 – Affected T3CAS Units
<table>
<tr><th>P/N</th><th>Software Standard</th></tr>
<tr><td>9005000-10101</td><td>1.1</td></tr>
<tr><td>9005000-10202</td><td>1.2</td></tr>
</table>

(2) Within 12 months after the effective date of this AD, revise the approved aircraft maintenance programme (AMP) and standard practices, on the basis of which the operator or the owner ensures the continued airworthiness of each operated aeroplane, by incorporating the T3CAS on ground power cycle instructions, as specified in Airbus AOT A34L003-13.

(3) Revising the AMP, as required by paragraph (2) of this AD, constitutes compliance with the requirements of paragraph (1) of this AD. After revising the AMP, as required by paragraph (2) of this AD, it is not necessary that accomplishment of each T3CAS on ground power cycle action is recorded for demonstration of AD compliance on a continued basis.

Note: For affected aeroplanes registered in Europe, complying with the approved AMP as specified in paragraph (2) of this AD is required by Commission Regulation (EC) No 2042/2003, Part M.A.301, paragraph 3.

(4) From the effective date of this AD, installation on an aeroplane of a T3CAS unit having a P/N as listed in Table 1 of this AD is acceptable, provided that, following installation, the T3CAS unit is power cycled on a recurrent basis, as required by this AD.

(5) Installation on an aeroplane of a version (P/N) of T3CAS approved after the effective date of this AD constitutes terminating action for the recurrent on ground power cycles as required by this AD for that aeroplane, provided the conditions as specified in paragraphs (5.1) and (5.2) of this AD are met.

(5.1) The version (P/N) must be approved by EASA, or approved under Airbus DOA; and

(5.2) The installation must be accomplished in accordance with aeroplane modification instructions approved by EASA, or approved under Airbus DOA.
</td></tr>
<tr><td>Ref. Publications:</td><td>Airbus AOT A34L003-13 original issue, dated 25 November 2013.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</td></tr>
<tr><td>Remarks:</td><td>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.

2. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.

3. Enquiries regarding this AD should be referred to the Safety Information</td></tr>
</table>

	Section, Certification 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 – Airworthiness Office – EIAS; Fax +33 5 61 93 44 51; E-mail: account.airworth-eas@airbus.com.