



Airworthiness Directive

AD No.: 2025-0056

Issued: 11 March 2025

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, or Annex Vb Part ML.A.301, as applicable, 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 Annex Vb Part ML.A.303, as applicable] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

DG AVIATION GmbH

Type/Model designation(s):

DG-300, DG-300 ELAN, DG-300 ELAN ACRO, DG-300 CLUB ELAN, DG-300 CLUB ELAN ACRO sailplanes

Effective Date: 18 March 2025

TCDS Number: EASA.A.239

Foreign AD: Not applicable

Supersedure: None

Flight Manual – Supplements – Amendment

ATA 11 – Placards and Markings – Cockpit Data Placard and Airspeed Correction Placard – Replacement

ATA 31 – Indicating / Recording System – Airspeed Indicator – Modification

Manufacturer(s):

AMS-Flight d.o.o.
 DG-Flugzeugbau GmbH
 Elan Tozd Plastika
 Elan Tovarna Sportegna Orodja
 Elan Flight Ltd.
 ELAN LINE D.O.O.
 Glaser-Dirks Flugzeugbau GmbH

Applicability:

DG-300, DG-300 ELAN, DG-300 ELAN ACRO, DG-300 CLUB ELAN, DG-300 CLUB ELAN ACRO sailplanes, all serial numbers.



Definitions:

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

The TN: DG Aviation Technical Note (TN) 359/17, FE-29-01, Revision 1, Issue 01.b.

Groups: Group 1 sailplanes are those on which winglets have been installed in accordance with the instructions of DG Aviation TN359/17 before the effective date of this AD.

Group 2 sailplanes are those that are not Group 1.

Reason:

During certification flight test campaign for the new “neo” winglets design, flutter phenomenon was observed on sailplane, on which current (DG Aviation TN359/17) optional winglets have been installed, when operated with close to maximum take-off weight at a speed just above never exceed speed (V_{NE}).

This condition, if not corrected, constitutes a non-compliance with the certification requirements of airspeed envelope.

To address this potential unsafe condition, DG Aviation issued the TN to provide instructions to reduce the V_{NE} , to prohibit flight with water ballast in the wings, when flying with winglets, and, accordingly, to amend the sailplane Flight Manual (FM), replace associated placards and modify the airspeed indicator (ASI).

For the reason described above, this AD requires sailplane FM amendment, Cockpit Data placard and Airspeed Correction placard replacement, and ASI modification.

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

Required as indicated by this AD, unless the action(s) required by this AD have been already accomplished:

FM Amendment:

- (1) For Group 1 sailplanes: Before next flight with winglets, or within 60 days, whichever occurs first after the effective date of this AD, amend the sailplane FM by exchanging the pages as provided in the TN, inform all flight crews and, thereafter, operate the sailplane accordingly.

Modification:

- (2) For Group 1 sailplanes: Concurrently with the FM amendment, as required by paragraph (1) of this AD, replace the Cockpit Data placard and the Airspeed Correction placard in accordance with the instructions of the TN.
- (3) For Group 1 sailplanes: Concurrently with the FM amendment, as required by paragraph (1) of this AD, modify the ASI markings in accordance with the instructions of the TN.

Part(s) Installation:

- (4) For Group 2 sailplanes: From the effective date of this AD, it is allowed to modify the sailplane by installing winglets in accordance with the instructions of DG Aviation TN359/17, provided



that, concurrently with that modification, the actions required by this AD for Group 1 sailplanes are accomplished on that sailplane.

Ref. Publications:

DG Aviation TN 359/17, FE-29-01, Revision 1, Issue 01.b. dated 13 January 2025.

The use of later approved revisions of the above-mentioned 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. 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. All interested persons may send their comments, referencing the AD Number, to the E-mail address specified in below Remark 3, prior to 08 April 2025. Only if any comment is received during the consultation period, a Comment Response Document will be published in the [EASA Safety Publications Tool](#), in a 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.
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: DG Aviation GmbH, Otto Lilienthal Weg 2, 76646 Bruchsal, Germany.
Email: info@dg-aviation.de

