



Airworthiness Directive Cancellation Notice

AD No.: 2020-0075-CN

Issued: 09 May 2022

Note: This Airworthiness Directive (AD) Cancellation Notice (CN) 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.

Design Approval Holder's Name:

GULFSTREAM AEROSPACE CORPORATION

Type/Model designation(s):

GVII aeroplanes

Effective Date: 09 May 2022

TCDS Number(s): EASA.IM.A.595

Foreign AD: This Notice is related to Federal Aviation Administration (FAA) [AD 2022-10-05](#) dated 09 May 2022.

Cancellation: This Notice cancels EASA Emergency AD 2020-0075-E dated 30 March 2020. For affected aeroplanes operated under EU regulation, that AD replaced FAA State of Design [AD 2020-05-12](#), which was not adopted by EASA and is now superseded by FAA AD 2022-10-05, which is adopted by EASA.

CANCELLED: Airplane Flight Manual – Sections Limitations / Procedures – Amendment

Manufacturer(s):

Gulfstream Aerospace Corporation (Gulfstream)

Applicability:

GVII-G500 aeroplanes, all serial numbers.

Definitions:

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

The applicable AFM: FAA-approved Airplane Flight Manual (AFM) GAC-AC-GVII-G500-OPS-0001 Revision 5, dated 03 March 2020, and EASA-approved AFM Supplement EASA-GVII-G500-2016-01 Revision 1, EASA approval date 27 March 2020.

Reason:

The FAA received a report of a landing incident with a Gulfstream GVII aeroplane, in which the alpha limiter engaged in the landing flare in unstable air while on approach. Analysis indicates that this may occur on other aeroplanes.



This condition, if not corrected, could limit pilot pitch authority during a critical phase of flight near the ground, possibly resulting in a high rate of descent landing and consequent loss of control of the aeroplane on landing.

To address this potential unsafe condition, Gulfstream developed an AFM revision, and the FAA issued AD 2020-05-12 to require implementation of that AFM revision. Although EASA agreed with the actions taken by Gulfstream and the FAA, the requirements for aeroplanes operated under EU regulations were slightly different, and included revision of an EASA AFM Supplement. Consequently, EASA issued Emergency AD 2020-0075-E, replacing FAA AD 2020-05-12 which was not adopted, to require implementation of the applicable AFM, as defined in this AD-CN.

Since that AD was issued, two landing incidents were reported where the alpha limiter engaged during a 900-feet-per-minute descent. Both events resulted in damage to the aeroplane but did not result in any injuries to occupants.

The alpha limiter function of the flight control computer is designed to prevent stalls, and operates all the way to touchdown and uses many inputs, including current angle of attack, rate of change of angle of attack, and pilot control stick movements. It is clear from an analysis of both events that inappropriate alpha limiter engagement during the landing flare can limit pilot pitch authority during a critical phase of flight near the ground, possibly resulting in a high rate of descent landing with possible consequent loss of control of the aeroplane on landing.

To address this unsafe condition, the FAA issued AD 2022-10-05, superseding FAA AD 2020-05-12. EASA has adopted the new FAA AD, making EASA AD 2020-0075-E redundant, which is therefore cancelled by this Notice.

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

None.

Ref. Publications:

Gulfstream FAA-approved AFM GAC-AC-GVII-G500-OPS-0001 Revision 5, dated 03 March 2020.

Gulfstream EASA-approved AFM Supplement EASA-GVII-G500-2016-01 Revision 1, EASA approval date 27 March 2020.

Remarks:

1. Enquiries regarding this AD-CN should be referred to the EASA Safety Information Section, Certification Directorate, E-mail: ADs@easa.europa.eu.
2. For any question concerning the content of this AD-CN, please contact Gulfstream Aerospace Corporation, P.O. Box 2206, Savannah, Georgia 31402-2206, United States of America; telephone +1 800-810-4853; fax +1 912-965-3520; E-mail: pubs@gulfstream.com; Internet: <https://www.gulfstream.com/customer-support>.

