



**United Kingdom  
Civil Aviation Authority**

**AIRWORTHINESS  
DIRECTIVE**

**AD No: G-2004-0033**

Issue Date: 24 December 2004

The United Kingdom Civil Aviation Authority has issued this Emergency Airworthiness Directive in accordance with Article 10.1 of European Union Regulation (EC) 1592/2002.

This AD is issued by the UK CAA acting for and on behalf of the European Aviation Safety Agency as the Primary Aviation Authority (ICAO Annex 8 Authority of State of Design) for the affected product(s).

In accordance with Article 9(7)(b) of the Air Navigation Order 2000 as amended the following action required by this Airworthiness Directive (AD) is mandatory for applicable aircraft registered in the United Kingdom.

No person may operate an aircraft to which an AD applies except in accordance with the requirements of that AD unless otherwise agreed with the Authority of the State of Registry.

Type Approval Holders Name:

**GULFSTREAM AEROSPACE CORPORATION**

Type/Model Designation(s):

**GULFSTREAM GV-S\***

Type Certificate Data Sheet No: I.M.A.002 (FAA A12EA)

Superseded/Revised ADs: None

**ATA 31 – INDICATING/WARNING SYSTEM – OPERATING PROCEDURES AND FLIGHT MANUAL  
LIMITATIONS**

Manufacturer(s): Gulfstream Aerospace Corporation

Applicability: All Gulfstream GV-S\* aircraft.

**Reason:** In the case of an EPIC avionics system failure, all primary and secondary pilots display units blanking and loss of autopilot and associated functions may occur. This is not in accordance with the Type Certification basis and is considered to represent a potential unsafe condition. Until the ACS 902 (Cert Bravo) standard software is embodied additional operational limitations are considered necessary to mitigate against the risk of an EPIC system failure occurring.

Effective Date: 24 December 2004

**SUPERSEDED**

**Compliance/Action:** Within 72 hours of the effective date of this AD accomplish the following:

- a) Insert Gulfstream Aerospace Corporation G500 Airplane Flight Manual Revision 6, Dated 20 Dec 2004 or G550 Airplane Flight Manual Revision 8, Dated 20 Dec 2004, as applicable into the Aircraft Flight Manual.
- b) The following operational limitations must be inserted in the Aircraft Flight Manual. (This can be achieved by inserting a copy of this AD in the AFM Limitations Section).
  - 1) Minimum approach Decision Height (DH): 500ft Above Runway Threshold Elevation (ARTE).
  - 2) Take-off in Runway Visual Range (RVR) below 600 metres is prohibited.

**G-2004-0033**

continued on next page  
page 2 of 2

**Reference Publications:** Gulfstream Aerospace Corporation Flight Manual Supplement G500 airplane flight manual revision 6 or G550 airplane flight manual revision 8 may be obtained from Gulfstream Aerospace, Flight Crew Publications, P.O. Box 2206, M/S C-20, Savannah, GA 31402, USA, Tel: +1 912.965.3694 Fax: +1 912.965.3520 Email: frank.mcgee@gulfstream.com

**Remarks:** Enquiries regarding this AD may be directed to Civil Aviation Authority, Safety Regulation Group, Certification and Approvals Department, Aviation House, Gatwick Airport, South, West Sussex, RH6 0YR, United Kingdom. Phone: +44 (0) 1293 573286 Fax: +44 (0) 1293 573971 e-mail: paul.hatton@srg.caa.co.uk

**Note:** This Airworthiness Directive was originally issued as an Emergency AD on 24 December 2004.

**SUPERSEDED**