

PŘÍKAZ K ZACHOVÁNÍ LETOVÉ ZPŮSOBILOSTI

CAA-AD-037/1999

Datum vydání: 29. března 1999

PŘÍSLUŠENSTVÍ - PŘIJÍMAČ GPS - MODIFIKACE

Týká se: přijímačů družicové navigace (GPS) GNS-XLS a GNS-XL vyrobených firmou AlliedSignal Avionics INC, katalogových čísel (P/N) 17960-0102-XXXX a P/A 18355-0101-XXXX, instalovaných na letadlech následujících typů a verzí a nejen těch:

Manufacturer	Models
British Aerospace, Ltd. (BAe)	146-100A and 146-200A
Cessna Aircraft Corporation	525, 550, and 560
Dausault Aviation	Mystere-Falcon 20 and 50
Avions Marcel Dassault	Falcon 10
Gulfstream Aerospace	G-1159 (G-II) and G-1159A (G-III)
Raytheon Corporate Jets	Hawker 800
Israel Aircraft Industries, Ltd.	1124
Sabreliner Corporation	NA-65
Learjet Inc.	35
Jetstream Aircraft Ltd.	4101

Důvod vydání: zabránit odchylce od stanovené dráhy letu během přístrojového přiblížení na letiště, zapříčiněné nepřesnou informací z přijímače GPS.

Datum účinnosti: 20. května, 1999

Provést v termínech: Jak je popsáno v FAA AD 97-05-03 R1 (příloha tohoto PZZ).

Postup provedení prací: Dle pokynů v FAA AD 97-05-03 R1.

Poznámky: Provedení tohoto PZZ musí být zapsáno do letadlové knihy. Případné dotazy týkající se tohoto PZZ adresujte na ÚCL technický inspektorát - Ing. Kračmer. Pokud to vyžaduje povaha tohoto PZZ musí být zapracováno do příslušné části dokumentace pro obsluhu, údržbu a opravy letadla. Tento PZZ byl vypracován na základě FAA AD 97-05-03 R1.

Ing. Pavel MATOUŠEK
Ředitel technického inspektorátu

Úřad pro civilní letectví

97-05-03 R1 ALLIEDSIGNAL AVIONICS INC.: Amendment 39-11064; Docket No. 97-CE-07-AD; Revises AD 97-05-03, Amendment 39-9947.

Applicability: Models GNS-XLS and GNS-XL global positioning systems (GPS), part numbers (P/N) 17960-0102-XXXX and P/N 18355-0101-XXXX, respectively, installed on, but not limited to the following aircraft, certificated in any category:

Manufacturer	Models
British Aerospace, Ltd. (BAe)	146-100A and 146-200A
Cessna Aircraft Corporation	525, 550, and 560
Dausault Aviation	Mystere-Falcon 20 and 50
Avions Marcel Dassault	Falcon 10
Gulfstream Aerospace	G-1159 (G-II) and G-1159A (G-III)
Raytheon Corporate Jets	Hawker 800
Israel Aircraft Industries, Ltd.	1124
Sabreliner Corporation	NA-65
Learjet Inc.	35
Jetstream Aircraft Ltd.	4101

NOTE 1: This AD applies to each aircraft that has one of the GPS flight management systems installed that is identified in the preceding applicability provision, regardless of whether the aircraft has been modified, altered, or repaired in the area subject to the requirements of this AD. For aircraft that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (e) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the unsafe condition addressed by this AD; and, if the unsafe condition has not been eliminated, the request should include specific proposed actions to address it.

Compliance: Required within 5 days after March 18, 1997 (the effective date of AD 97-05-03), unless already accomplished (compliance with AD 97-05-03).

To prevent deviation from an intended flight path during a non-precision approach to an airport caused by inaccurate information from the GPS flight management system, accomplish the following:

(a) Insert the following limitation into the Operations Limitations Section of the Airplane Flight Manual (AFM) or Flight Manual Supplement:

"Operating Limitations

The GNS- XL (or GNS- XLS) is not approved for non-precision approaches.

NOTE

The GNS- XL (or GNS- XLS) may generate misleading information during non-precision GPS or Overlay approaches due to software limitations."

(b) Inserting a copy of this AD into the Limitations section as described in paragraph (a) of this AD is considered compliance with the requirements of paragraph (a) of this AD.

(c) Incorporating the AFM revisions, as required by paragraph (a) or (b) of this AD, may be performed by the owner/operator holding at least a private pilot certificate as authorized by section 43.7 of the Federal Aviation Regulations (14 CFR 43.7), and must be entered into the aircraft records showing compliance with this AD in accordance with section 43.9 of the Federal Aviation Regulations (14 CFR 43.9).

(d) As an alternative method of compliance to the actions required by paragraph (a) or (b) of this AD, accomplish hardware and software modifications in accordance with both GlobalWulfsberg Software Bulletin No: GNS-XL-SW1, dated February 1997, and BENDIX/KING Software Bulletin No: GNS-XLS-SW2, dated February 1997, as applicable.

(e) An alternative method of compliance or adjustment of the compliance time that provides an equivalent level of safety may be approved by the Manager, Wichita Aircraft Certification Office, 1801 Airport Road, Room 100, Mid-Continent Airport, Wichita, Kansas 67209. The request shall be forwarded through an appropriate FAA Maintenance Inspector, who may add comments and then send it to the Manager, Wichita Aircraft Certification Office.

NOTE 2: Information concerning the existence of approved alternative methods of compliance with this AD, if any, may be obtained from Wichita Aircraft Certification Office.

(f) The hardware and software modifications required by this AD (as an alternative method of compliance) shall be done in accordance with GlobalWulfsberg Software Bulletin No: GNS-XL-SW1, dated February 1997, and BENDIX/KING Software Bulletin No: GNS-XLS-SW2, dated February 1997. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from AlliedSignal Aerospace, Commercial Avionics Systems, 400 N. Rogers Road, Olathe, Kansas 66062. Copies may be inspected at the FAA, Central Region, Office of the Regional Counsel, Room 1558, 601 E. 12th Street, Kansas City, Missouri, or at the Office of the Federal Register, 800 North Capitol Street, NW, suite 700, Washington, DC.

(g) This amendment revises AD 97-05-03, Amendment 39-9947.

(h) This amendment becomes effective on April 20, 1999.

FOR FURTHER INFORMATION CONTACT:

Mr. Jose Flores, Aerospace Engineer, FAA, Wichita Aircraft Certification Office, 1801 Airport Road, Room 100, Mid-Continent Airport, Wichita, Kansas 67209; telephone: (316) 946-4133; facsimile: (316) 946-4407.