



CIVIL AVIATION AUTHORITY  
CZECH REPUBLIC  
Airworthiness Division

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## AIRWORTHINESS DIRECTIVE

**Number: CAA-AD-070/2004**

Date of issue: July 19, 2004

**GARMIN AT**

Apollo GTX50/55/60/65 TSO-C129a

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*This AD has been issued in accordance with Decision No.: 2/2003 of the Executive Director of the EASA (ADs issued by the state of design are automatically adopted in EU member states).*

### APPLIANCE - GPS NAVIGATION UNIT - SOFTWARE MODIFICATION

**Applicability:** Aircraft equipped with Garmin AT, Apollo GX50/55/60/65 TSO-C129a global positioning system (GPS) navigation units with software versions 3.0 through 3.4 inclusive; as listed in UPS Aviation Technologies Service Bulletin 561-4002-001, dated April 19, 2002; certificated in any category.

**Effective date:** September 02, 2004

**Compliance:** Required as indicated FAA AD 2004-13-20.

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*Remarks: The compliance of this AD must be recorded in Aircraft Logbook, where applicable the requirements of this AD must be integrated into Aircraft Technical Documentation. Address inquiries concerning this AD to: Civil Aviation Authority, Airworthiness Division, Ruzyně Airport, 160 08 Prague 6, Czech Republic, tel.: 420 2 33320922, fax: 420 2 20562270.*

**Ing. Pavel MATOUŠEK**  
**Director**

**2004-13-20 Garmin AT (formerly UPS Aviation Technologies, Inc.):** Amendment 39-13702. Docket 2002-NM-254-AD.

*Applicability:* Aircraft equipped with Garmin AT, Apollo GX50/55/60/65 TSO-C129a global positioning system (GPS) navigation units with software versions 3.0 through 3.4 inclusive; as listed in UPS Aviation Technologies Service Bulletin 561-4002-001, dated April 19, 2002; certificated in any category.

*Compliance:* Required as indicated, unless accomplished previously.

To prevent the GPS navigation unit, under certain conditions, from providing erroneous cross-deviation information, which could result in the aircraft deviating from its intended course for a brief period of time; and to also prevent erroneous information from placing an excessive workload on the flightcrew while they monitor other available navigation data to avoid deviating off course; accomplish the following:

#### **Software Modification, Testing, and Reidentification**

(a) Within 6 months after the effective date of this AD, do the actions specified in paragraphs (a)(1) and (a)(2) of this AD, according to the Accomplishment Instructions of UPS Aviation Technologies Service Bulletin 561-4002-001, dated April 19, 2002.

(1) Modify and test the software for the Apollo GX50/55/60/65 TSO-C129a GPS navigation unit by accomplishing all of the actions specified in paragraphs 3.B. and 3.C. of the service bulletin.

(2) Reidentify the modified Apollo GX50/55/60/65 TSO-C129a GPS navigation unit, according to paragraph 3.D. of the service bulletin.

#### **Alternative Methods of Compliance**

(b) In accordance with 14 CFR 39.19, the Manager, Seattle Aircraft Certification Office, FAA, is authorized to approve alternative methods of compliance (AMOCs) for this AD.

#### **Incorporation by Reference**

(c) The actions shall be done in accordance with UPS Aviation Technologies Service Bulletin 561-4002-001, dated April 19, 2002. 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 Garmin AT, 2345 Turner Road Southeast, Salem, Oregon 97302. Copies may be inspected at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington; or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call (202) 741-6030, or go to: <http://www.archives.gov/federal-register/code-of-federal-regulations/ibr-locations.html>.

#### **Effective Date**

(d) This amendment becomes effective on August 3, 2004.

#### **Footer Information**

Issued in Renton, Washington, on June 17, 2004.

Ali Bahrami,

Acting Manager, Transport Airplane Directorate,  
Aircraft Certification Service.

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