



U.S. Department
of Transportation
**Federal Aviation
Administration**

Aircraft Certification Service
Compliance & Airworthiness Division

Fort Worth ACO Branch
10101 Hillwood Parkway
Fort Worth, TX 76177

SEP 12 2017

In reply refer to: 7F0-17-528

Mr. Ralph Capen
P.O. Box 703
Laurel, DE 19956-0703

Dear Mr. Capen:

Subject: Global Alternative Method of Compliance (AMOC) to Airworthiness Directive (AD) 2017-11-11, Docket Number FAA-2016-9226

The Federal Aviation Administration (FAA) has received your proposal dated August 28, 2017, proposing FAA approval of a global AMOC to AD 2017-11-11 for a NavWorx ADS600-B, Part Numbers 200-0012 and 200-0013. AD 2017-11-11 requires the ADS600-B unit to be removed or disabled if it is not coupled to an approved NexNav Mini GPS receiver, P/N 21000.

You are proposing an AMOC to paragraph (e)(1)(iv)(A) of AD 2017-11-11 by coupling the ADS600-B with Garmin 400/500 series Global Positioning System (GPS) sources that use the Garmin ADS-B+ protocol. Your proposal provides an acceptable level of safety to (e)(1)(iv)(A) based on your installation drawings, which document the coupling of the ADS600-B unit with a Garmin GPS source, and the Public ADS-B Performance Report of June 25, 2017. For section (e)(1)(iv)(B), you proposed a placard next to the ADS600-B unit that states, "OPERATION USING THE INTERNAL POSITION SOURCE IS PROHIBITED. USE OF THE GARMIN ADS-B+ EXTERNAL POSITION SOURCE IS REQUIRED".

The Fort Worth ACO Branch approves your AMOC proposal to paragraph (e)(1)(iv)(A) and (B) of AD 2017-11-11 by using any of the following Garmin GPS units as an external position source in place of the NexNav MINI and adding the placard as described above.

GNC 420W, 420AW
GPS 400W, 500W
GNS 430W, 430AW, 530W, or 530AW

Furthermore, the application of this AMOC will bring the ADS-B system into compliance with TSO C154c and 14 CFR §91.227 requirements.

In accordance with FAA Order 8110.103B, the following conditions apply:

- Before using this AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local Flight Standards District Office/Certificate Holding District Office.

- All provisions of AD 2017-11-11 that are not specifically referenced above remain fully applicable and must be complied with accordingly.
- This FAA AMOC is transferable with the aircraft to an operator who operates the aircraft under U.S. registry.

For further questions regarding this AMOC, please contact Kyle Cobble at (817) 222-5172, or e-mail kyle.cobble@faa.gov.

Sincerely,


Jim Grigg
Manager, Fort Worth ACO Branch
Compliance & Airworthiness Division
Aircraft Certification Service

cc: Kristi Bradley, AIR-7F2 COS Focal