



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

Aircraft Certification Service
Compliance & Airworthiness Division
Boston ACO Branch, AIR-7B0

1200 District Avenue
Burlington, MA 01803
(781) 238-7151

October 1, 2019

In reply, refer to: 19-DOC-17044

Avidyne Corporation
Attn: Mr. Fred Barber
4 Middlesex Green, Suite 221
561 Virginia Road
Concord, MA 01742

Dear Mr. Fred Barber:

Subject: Avidyne AXP340 and Bendix/King KT74 Mode S Transponders: Alternate Method of Compliance for FAA Airworthiness Directive 2018-NE-39-AD

The Federal Aviation Administration (FAA) received your proposal dated September 16, 2019, requesting an alternate method of compliance (AMOC) to paragraph (g)(1) and g(2) of Airworthiness Directive (AD) 2018-NE-39-AD.

The Boston Aircraft Certification Office Branch (ACOB) approves your AMOC proposal to paragraph (g)(1) and g(2) of FAA AD 2018-NE-39-AD to:

Allow the transponder installation check to be performed by the owner/operator (pilot) holding at least a private pilot certificate, in accordance with the Step 3.2 and Step 3.3 of the Avidyne Service Bulletin 601-00000-005 Rev 00, dated September 16, 2019.

The actions must be entered into the aircraft records showing compliance with this AD in accordance with Title 14 Code of Federal Regulations (14 CFR) §§ 43.9 (a)(1)-(4) and 14 CFR 91.417(a)(2)(v). The record must be maintained as required by 14 CFR §§ 91.417, 121.380, or 135.439.

For the purpose of the inspection check, the installation is described as "conventional" if it is in an aft-facing avionics rack such that the transponder faceplate and controls are facing the rear of the airplane. The definition is consistent with the definition provided in AD 2018-NE-39-AD paragraph (j).

This AMOC is applicable to the following part numbers:

- Avidyne Corporation AXP340 Mode S transponders, P/N 200-00247-000, also marked with Trig Avionics P/N 01155-00-01, with a S/N from 00801 to S/N 01377 inclusive, and Mod Level 0, installed.

- BendixKing/Honeywell International KT74 Mode S transponders, P/N 89000007-002001 (kit, including transponder and mounting tray) or P/N 89000007-000001 (transponder alone), also marked with Trig Avionics P/N 01157-00-01, with a S/N from 01143 to S/N 02955 inclusive, and Mod Level 0, installed.

All provisions of AD 2018-NE-39-AD 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.

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.

This AMOC only applies to the FAA AD listed above. The FAA does not have the authority to approve this as an AMOC to any AD issued by another civil aviation authority (CAA). Approval of an AMOC to another CAA's AD must come from that CAA. A copy of this response will be forwarded to the CAA where [this/these] aircraft [is/are] registered for their consideration.

If you have any questions or need additional information, please contact Min Zhang by telephone at 781-238-7161 or electronic mail at min.zhang@faa.gov.

Sincerely,


Nicholas Faust
Acting Manager, Boston ACO Branch