

SUPPLEMENT D01
TO THE AIRPLANE FLIGHT MANUAL

DA 62

ADS-B

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The technical information contained in this document has been approved under the authority of DOA No. EASA.21J.052.

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0.1 RECORD OF REVISIONS

Rev. No.	Reason	Chapter	Page(s)	Date of Revision	Approval Note	Date of Approval	Date Inserted	Signature
1	Applicability 11.01.05-E	All	All	17-Nov-2021	Rev. 1 to AFM Supplement D01 to AFM Doc. No. 7.01.25-E and 11.01.05-E is approved under the authority of DOA No. EASA.21J.052	02-Dec-2021		

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1. GENERAL

The airplane is equipped with a Garmin GTX 335R Transponder, which is capable to provide ADS-B functionality. With design change DEO 62-004 installed, this functionality is enabled.

1.8 G1000 AVIONICS SYSTEM

The Garmin GTX 335R Transponder for ADS-B performs the following functions:

- Transmission of ADS-B out data on 1090 extended squitter (1090 MHz)
- Integration of data from internal and external sources to transmit the following data per 14 CFR 91.227:
 - GPS Position, Altitude, and Position Integrity
 - Ground Track and/or Heading, Ground Speed, and Velocity Integrity
 - Air Ground Status
 - Flight ID, Call Sign, ICAO Registration Number
 - Capability and Status Information
 - Transponder Squawk Codes between 0000-7777
 - Emergency Status
 - IDENT - initiates SPI (special position identification) pulse for 18 seconds

The Garmin GTX 335R Transponder for ADS-B meets the requirements in EASA AMC 20-24 for ADS-B (Automatic Dependent Surveillance-Broadcast) and ELS.

2. OPERATING LIMITATIONS

No change.

3. EMERGENCY PROCEDURES

No change.

4A. NORMAL OPERATING PROCEDURES

No change.

4B. ABNORMAL OPERATING PROCEDURES

No change.

5. PERFORMANCE

No change.

6. MASS AND BALANCE

No change.

7. DESCRIPTION OF THE AIRPLANE AND ITS SYSTEMS

7.1 INTRODUCTION

The airplane is equipped with a Garmin GTX 335R Transponder, which is capable to provide ADS-B out functionality compliant to EASA AMC 20-24 for ADS-B and ELS. With design change DEO 62-004 installed, this functionality is enabled and performs functions as listed in Section 1.8.

NOTE

The Garmin GTX 335R Transponder itself is certified with the basic airplane and necessary information is provided as part of the airplane documentation.

8. AIRPLANE HANDLING, CARE AND MAINTENANCE

Check the Transponder inclusive ADS-B functionality every 2 years in accordance with the latest version of EASA SIB No. 2011-15 and the applicable Garmin Documentation.

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