

SUPPLEMENT D01
TO THE AIRPLANE FLIGHT MANUAL
DA 40 NG
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	Correction	0,1	9-D01-3, 9-D01-4, 9-D01-8	19-Jun-2019	Revision 1 of this Supplement Doc. No. 6.01.15-E-D01 has been approved under the authority of DOA No. EASA.21J.052.	07-Jul-2021		

0.2 LIST OF EFFECTIVE PAGES

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	9-D01-3	19-Jun-2019
	9-D01-4	19-Jun-2019
	9-D01-5	14-Nov-2018
1	9-D01-6	14-Nov-2018
2, 3, 4A, 4B, 5, 6	9-D01-7	14-Nov-2018
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1. GENERAL

The airplane is equipped with a Garmin GTX 335R or GTX 345R Transponder, which is capable to provide ADS-B functionality. With design change DEO 40-001 installed, this functionality is enabled.

1.9 G1000 AVIONICS SYSTEM

The Garmin GTX 335R/GTX 345R Transponders for ADS-B perform 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/GTX 345R 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/GTX 345R 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 40-001 installed, this functionality is enabled and performs functions as listed in section 1.9.

NOTE

The Garmin GTX 335R/GTX 345R 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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