

## SUPPLEMENTAL TYPE CERTIFICATE

**10061419 REV. 1**

This Supplemental Type Certificate is issued by EASA, acting in accordance with Regulation (EC) No. 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation and in accordance with Commission Regulation (EU) No. 748/2012 to

### **CMD FLIGHT SOLUTIONS, LLC**

**9199 COTTERS RIDGE  
RICHLAND MI 49083  
USA**

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and environmental protection requirements when operated within the conditions and limitations specified below:

**Original Type Certificate Number:** See FAA Approved Model List  
(AML) ST04159CH,  
dated July 6, 2017.

**Type Certificate Holder:** See FAA AML

**Type:** See FAA AML

**Model:** See FAA AML

**Original STC Number:** FAA ST04159CH

#### **Description of Design Change:**

Certification of Automatic Dependent Surveillance - Broadcast (ADS-B) Out for installing Honeywell Primus II Communications Units RCZ-8XX Transponders.

Revision 1: Amendment of AML with the addition of:

- Dornier 328-100/-200.
- Textron 680.

See Continuation Sheet(s)



**For the European Aviation Safety Agency**

**Cologne, Germany, 28 September 2017**

**Colin HANCOCK**  
**Section Manager**  
**Regional Transport Aeroplanes**

**EASA Certification Basis:**

The Certification Basis (CB) for the original product remains applicable to this certificate/ approval.

The requirements for environmental protection and the associated certified noise and/ or emissions levels of the original product are unchanged and remain applicable to this certificate/ approval.

**Associated Technical Documentation:**

- CMD Flight Solutions Master Data List, Document No. DB 1606001, Revision D, dated 24 May 2017;
- FAA Approved Airplane Flight Manual Supplement (AFMS) as listed on the AML number ST04159CH, or later FAA approved revision;
- Instructions for Continued Airworthiness (ICA) as listed on AML Number ST04159CH;

or later revisions of the above listed documents approved by EASA in accordance with EASA ED Decision 2004/04/CF (or subsequent revisions of this decision) and/ or the Technical Implementation Procedures of EU/ USA Bilateral Agreement.

**Limitations/Conditions:**

- Successful completion of Ground Test Plan DB1606004, Revision A, dated 17 October 2016, or later FAA approved revision must be accomplished following implementation of this STC.
- The STC is valid for those aircraft types and models approved by EASA within the FAA AML ST04159CH amended July 06, 2017.

Prior to installation of this design change it must be determined that the interrelationship between this design change and any other previously installed design change and/ or repair will introduce no adverse effect upon the airworthiness of the product.

- End -



**Federal Aviation Administration (FAA) Approved Model List (AML) Number ST04159CH  
CMD Flight Solutions LLC**

For

**Upgrade of Honeywell Primus II Communications Units RCZ-8XX Transponders for Automatic Dependent Surveillance - Broadcast (ADS-B) Out**

Issue Date: December 16, 2016

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL Serial Numbers	TCDS NO.	FAA APPROVED AIRCRAFT FLIGHT MANUAL SUPPLEMENT		FAA APPROVED MASTER DRAWING LIST		RCZ-8XX Transponder Approved Part Numbers	GPS SOURCE	AML AMENDMENT DATE
				Number/Rev *	Date Approved	Number	Rev*/Date			
1.	Beechcraft Corporation	BAe.125 Series 800A BAe.125 Series 800B Hawker 800 Hawker 800XP Hawker 1000 BAe.125 Series 1000A BAe.125 Series 1000B  All Serial Numbers.	A3EU	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017
2.	Bombardier Inc.	CL600-2B16 (CL-601-3A Variant), (CL-601-3R Variant)  All Serial Numbers.	A21EA	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017



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3.	Bombardier Inc.	BD-700-1A10 BD-700-1A11  All Serial Numbers.	T00003NY	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017
4.	Dassault Aviation	Falcon 900EX  All Serial Numbers.	A46EU	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017





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				Number/Rev *	Date Approved	Number	Rev*/Date			
5.	Dornier 328-100, Dornier 328-300	Dornier 328-100, Dornier 328-300  All Serial Numbers	A45NM, A55NM	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017
6.	Embraer	EMB-145 EMB-145ER EMB-145MR EMB-145LR EMB-135ER EMB-135LR EMB-135KE EMB-135KL EMB-135BJ EMB-145XR EMB-145MP EMB-145EP  All Serial Numbers.	T00011AT	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017



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				Number/Rev *	Date Approved	Number	Rev*/Date			
7.	Gulfstream	G-IV GV GV-SP GIV-X  All Serial Numbers.	A12EA	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017
8.	Learjet Inc.	45 (Learjet 40, Learjet 45, Learjet 70, Learjet 75)  All Serial Numbers.	T00008W1	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017





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				Number/Rev *	Date Approved	Number	Rev*/Date			
9.	Textron Aviation Inc.	650 (Citation VI and VII)  All Serial Numbers.	A9NM	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017
10.	Textron Aviation Inc.	550 (Citation II) 550 (Bravo) 560 (Citation V, Ultra, Encore) 560XL (Excel, XLS)  All Serial Numbers.	A22CE	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017



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				Number/Rev *	Date Approved	Number	Rev*/Date			
11.	Textron Aviation Inc.	750  All Serial Numbers.	T00007W1	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017
12.	Textron Aviation Inc.	680  Serial Numbers 680-001 thru 680-500	T00012W1	DB1606007, IR	12-12-2016	DB1606001	D, 5-24-2017	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-1(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	7-06-2017



\*or later FAA-Approved Revision

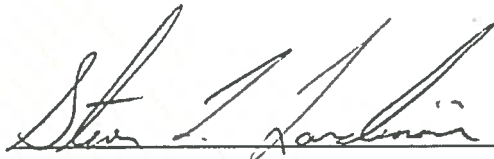




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Upgrade of Honeywell Primus II Communications Units RCZ-8XX Transponders for Automatic Dependent Surveillance - Broadcast (ADS-B) Out

Issue Date: December 16, 2016

FAA Approved: 

Steven L. Lardinois  
Manager, Systems and Flight Test Branch  
Chicago Aircraft Certification Office

Date Reissued: \_\_\_\_\_

Date Amended: July 06, 2017;

*Limitations and Conditions:*

AML Items 1 through 12

- 1) Successful completion of Ground Test Plan DB1606004 Revision A dated October 17, 2016, or later FAA approved revision, must be accomplished following implementation of this STC.

*Certification Basis for Alteration:*

AML Items 1 through 12

The certification basis for the changed aircraft as described in this AML is as follows:

- a. The type certification basis for the aircraft listed on the FAA Approved Model List, is shown on TCDS listed on the FAA Approved Model List for parts not changed or not affected by this change.
- b. The certification basis for parts changed or affected by this change since the reference date of application, June 9, 2016, is as follows:

**Regulations at the amendment level:**

14 CFR §§ 25.1301(a)(1)(2)(3)(4) [25-123], 25.1322(a)(1)(e)(1) [25-131], 25.1351 (a)(1) [25-72], 25.1353(a)(c) [25-123], 25.1431 (a)(c) [25-113], 25.1501 [25-42], 25.1525 (ORIG), 25.1529 [25-54], 25.1581 [25-72], 25.1583(e) [25-130], 25.1585(a) [25-105].



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**Additional regulations for AML Item 5 only:**

Based on 14 CFR § 21.101(g), applicable provisions of 14 CFR part 26 are included in the certification basis. For any future 14 CFR part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of issuance date of this STC, compliance has been found for the following regulations 14 CFR § 26.11(c), (Amdt. No. 26-0 through 26-3).

— END —