

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number ST04159CH

This certificate issued to

CMD Flight Solutions LLC
9199 Cotters Ridge
Richland MI 49083

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

*Original Product--Type Certificate Number: **

*Make: **
*Model: **

* See attached FAA Approved Model List (AML) Number ST04159CH for list of approved airplane models and applicable airworthiness regulations.

Description of Type Design Change:

Certification of Automatic Dependent Surveillance - Broadcast (ADS-B) Out for installing Honeywell Primus II Communications Units RCZ-8XX Transponders in accordance with CMD Flight Solutions Master Data List, Document No. DB1606001, Revision B, dated November 28, 2016, or later FAA approved revision.

Limitations and Conditions:

- 1) The installer must determine whether this design change is compatible with previously approved modifications.
- 2) If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.
- 3) FAA Approved Airplane Flight Manual Supplement (AFMS) as listed on the AML number ST04159CH, or later FAA approved revision, is required on board the modified aircraft.
- 4) Instructions for Continued Airworthiness (ICA) as listed on AML Number ST04159CH must be made available to the operator at the time of installation.
- 5) Additional Limitations and Conditions are listed on AML number ST04159CH.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: June 9, 2016

Date reissued:

Date of issuance: December 16, 2016

Date amended:



By direction of the Administrator

Steven L. Lardinois
(Signature)

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

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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

For

Installing 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	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	A3EU	DB1606007, IR	12-12-2016	DB1606001	B, 11-28-2016	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	N/A
2.	Bombardier Inc.	CL600-2B16 (CL-601-3A Variant), (CL-601-3R Variant)	A21EA	DB1606007, IR	12-12-2016	DB1606001	B, 11-28-2016	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	N/A

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3.	Bombardier Inc.	BD-700-1A10 BD-700-1A11	T00003NY	DB1606007, IR	12-12-2016	DB1606001	B, 11-28-2016	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	N/A
4.	Dassault Aviation	Falcon 900EX	A46EU	DB1606007, IR	12-12-2016	DB1606001	B, 11-28-2016	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	N/A

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5.	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	T00011A T	DB1606007, IR	12-12-2016	DB1606001	B, 11-28-2016	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	N/A
6.	Gulfstream	G-IV GV GV-SP GIV-X	A12EA	DB1606007, IR	12-12-2016	DB1606001	B, 11-28-2016	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	N/A

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				Number/Rev *	Date Approved	Number	Rev*/Date			
7.	Learjet Inc.	45 (Learjet 40, Learjet 45, Learjet 70, Learjet 75)	T00008WI	DB1606007, IR	12-12-2016	DB1606001	B, 11-28-2016	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-I(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	N/A
8.	Textron Aviation Inc.	650 (Citation VI and VII)	A9NM	DB1606007, IR	12-12-2016	DB1606001	B, 11-28-2016	7510733-564 7510733-614 7510733-616 7510733-623 7510733-626 7510733-664 7510733-666 7510733-668 7510733-676	Universal Avionics UNS-I(-)w FMS or Honeywell Model KGS-200 GPS P/N 066-01201-0105 Or Honeywell HG2021GD04 HG2021GD05 HG2021GD06 HG2021GD07 GNSSU	N/A

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9.	Textron Aviation Inc.	550 (Citation II) 550 (Bravo) 560 (Citation V, Ultra, Encore) 560XL (Excel, XLS)	A22CE	DB1606007, IR	12-12-2016	DB1606001	B, 11-28-2016	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	N/A
10.	Textron Aviation Inc.	750	T00007W I	DB1606007, IR	12-12-2016	DB1606001	B, 11-28-2016	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	N/A

*or later FAA-Approved Revision

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Issue Date: December 16, 2016

FAA Approved:



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

Date Issued:

December 16, 2016

Limitations and Conditions:

AML Items 1 through 10

- 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 10

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].

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).

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