

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

Number SA04051CH

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 23 of the Federal Aviation Regulations.

Original Product--Type Certificate Number *

* See attached Federal Aviation Administration (FAA) Approved Model List (AML) number SA04051CH for list of approved airplane models and applicable airworthiness regulations.

Make *

Model: *

Description of Type Design Change:

Certification of Automatic Dependent Surveillance - Broadcast (ADS-B) Out System with Rockwell Collins TDR-94/-94D Transponders in accordance with CMD Flight Solutions Master Data List, Document No. DB1506001, Revision IR, dated June 19, 2015, 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 SA04051CH, or later FAA approved revision, is required on board the modified aircraft.
- 4) Additional Limitations and Conditions are listed on AML number SA04051CH.
- 5) A copy of this Certificate and FAA Approved Model List (AML) No. SA04051CH, issued December 30, 2015, or later FAA approved revision, must be maintained as part of the permanent records for the modified aircraft

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: September 22, 2015

Date reissued:

Date of issuance: December 30, 2015

Date amended:



By direction of the Administrator

Steven L. Lardinois

(Signature)

For
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 SA04051CH
CMD Flight Solutions LLC**

FOR

Rockwell Collins TDR-94/-94D Transponders with Automatic Dependent Surveillance - Broadcast (ADS-B) Out

Issue Date: December 30, 2015

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	TCDS NO.	FAA APPROVED AIRCRAFT FLIGHT MANUAL SUPPLEMENT		FAA APPROVED MASTER DATA LIST	TDR-94/94D Transponder Approved Part Numbers	GPS SOURCE	AML AMENDMENT DATE	
				Number/Rev*	Date Approved					
1.	Beechcraft Corporation	200, 200C, 200CT, 200T, B200, B200C, B200CT, B200T, 300, 300LW, B300, B300C, B300C (MC-12W), B300C (UC-12W), 1900, 1900C, 1900C (C-12J), 1900D, B200GT, B200CGT, A100-1 (U-21J), A200 (C-12A), A200 (C-12C), A200C (UC-12B), A200CT, (C-12D), A200CT (FWC-12D), A200CT (C-12F), A200CT (RC-12D), A200CT (RC-12G), A200CT (RC-12H), A200CT (RC-12K,) A200CT (RC-12P), A200CT (RC-12Q), B200C (C-12F), B200C (UC-12M), B200C (C-12R), B200C (UC-12F).	A24CE	DB1506007, IR	12-29-2015	DB1506001	IR 6-19-2015	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMIS	
2.	Beechcraft Corporation	C90A, C90GT, C90GTI, H90 (T-44A)	3A20	DB1506007, IR	12-29-2015	DB1506001	IR 6-19-2015	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMIS	

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3.	Beechcraft Corporation	390 (Premier I)	A00010WI	DB1506007, IR	12-29-2015	DB1506001	IR 6-19-2015	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS
4.	Piaggio Aero Industries S.p.A.	PIAGGIO P-180	A59EU	DB1506007, IR	12-29-2015	DB1506001	IR 6-19-2015	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS
5.	Textron Aviation Inc.	525, 525A, 525B, 525C	A1WI	DB1506007, IR	12-29-2015	DB1506001	IR 6-19-2015	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS
6.	Textron Aviation Inc.	501, 551	A27CE	DB1506007, IR	12-29-2015	DB1506001	IR 6-19-2015	622-9210-501 622-9352-501	Universal Avionics UNS-1(-)w FMS
7.	Pilatus Aircraft LTD.	PILATUS PC-12, PILATUS PC-12/45, PILATUS PC-12/47, PILATUS PC-12/47E	A78EU	DB1506007, IR	12-29-2015	DB1506001	IR 6-19-2015	622-9210-501 622-9352-501	Universal Avionics UNS-1(-)w FMS
8.	Dornier Luftfahrt GmbH	DO-228-100, DO-228-101, DO-228-200, DO-228-201, DO-228-202, DO-228-212	A16EU	DB1506007, IR	12-29-2015	DB1506001	IR 6-19-2015	622-9210-501 622-9352-501	Universal Avionics UNS-1(-)w FMS

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				Number/Rev*	Date Approved					
9.	M7 Aerospace LLC	SA226-T, SA226-AT, SA226-T, SA226-AT, SA226-T(B), SA227-AT, SA227-TT	A5SW	DB1506007, IR	12-29-2015	DB1506001	IR 6-19-2015	622-9210-501 622-9352-501	Universal Avionics UNS-1(-)W FMS	
10.	M7 Aerospace LLC	SA226-TC, SA227-AC (C-26A), SA227-PC, SA227-BC (C-26A)	A8SW	DB1506007, IR	12-29-2015	DB1506001	IR 6-19-2015	622-9210-501 622-9352-501	Universal Avionics UNS-1(-)W FMS	

*Or later FAA-Approved Revision

FAA Approved:



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

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Revisions and Conditions:

AML Items 1 through 10

- 1) Successful completion of Ground Test Plan DB1506004, Revision IR, dated June 19, 2015, or later FAA approved revision, must be accomplished following installation of this STC and prior to return to service.

Certification Basis for Alterations:

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, September 22, 2015, is as follows:

Regulations at the amendment level:

14 CFR §§ 23.301 [23-48], 23.303 [23-00], 23.305 [23-45], 23.307 [23-00], 23.561(a) [23-62], 23.601 [23-00], 23.603 [23-23], 23.605 [23-23], 23.607 [23-48], 23.609 [23-00], 23.611 [23-48], 23.1301(a)(c) [23-62], 23.1322(b)(e) [23-43], 23.1351 (a)(2)(i)(ii) [23-49], 23.1357(a) [23-43], 23.1365(a)(d)(e) [23-49], 23.1431 (b) [23-62], 23.1501 [23-21], 23.1529 [23-26], 23.1581 [23-50], 23.1583(h) [23-62], 23.1585(a)(f) [23-62].