

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 *

Make *

Model *

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

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

Signature
Steven L. Lardinois

Manager, Systems and Flight Test Branch
Chicago Aircraft Certification Office

(Title)

**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 28, 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	Number	Rev*/Date			
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, A	5-20-2016	DB1506001	A 4-19-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	5-20-2016

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

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2.	Beechcraft Corporation	C90A, C90GT, C90GTi, H90 (T-44A)	3A20	DB1506007, A	5-20-2016	DB1506001	A 4-19-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	5-20-2016
3.	Beechcraft Corporation	390 (Premier I)	A00010WI	DB1506007, A	5-20-2016	DB1506001	A 4-19-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	5-20-2016
4.	Textron Aviation Inc.	525 (CJ, CJ1, CJ1+), 525A (CJ2, CJ2+), 525B (CJ3, CJ3+), 525C (CJ4)	A1WI	DB1506007, A	5-20-2016	DB1506001	A 4-19-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	5-20-2016

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				Number/Rev*	Date Approved	Number	Rev*/Date			
5.	Textron Aviation Inc.	501, 551	A27CE	DB1506007, A	5-20-2016	DB1506001	A 4-19-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	5-20-2016
6.	Dornier Luftfahrt GmbH	DO-228-100, DO-228-101, DO-228-200, DO-228-201, DO-228-202, DO-228-212	A16EU	DB1506007, A	5-20-2016	DB1506001	A 4-19-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	5-20-2016
7.	Piaggio Aero Industries S.p.A	PIAGGIO P-180	A59EU	DB1506007, A	5-20-2016	DB1506001	A 4-19-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	5-20-2016

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				Number/Rev*	Date Approved	Number	Rev*/Date			
8.	Pilatus Aircraft LTD.	PILATUS PC-12, PILATUS PC-12/45, PILATUS PC-12/47, PILATUS PC-12/47E	A78EU	DB1506007, A	5-20-2016	DB1506001	A 4-19-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	5-20-2016
9.	M7 Aerospace, LLC	SA26-T, SA26-AT, SA226-T, SA226-AT, SA226-T(B), SA227-AT, SA227-TT	A5SW	DB1506007, A	5-20-2016	DB1506001	A 4-19-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	5-20-2016
10.	M7 Aerospace, LLC	SA226-TC, SA227-AC (C-26A), SA227-PC, SA227-BC (C-26A)	A8SW	DB1506007, A	5-20-2016	DB1506001	A 4-19-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	5-20-2016

*Or later FAA-Approved Revision

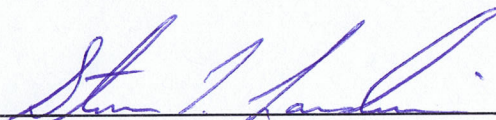
**Federal Aviation Administration (FAA) Approved Model List (AML) Number SA04051CH
CMD Flight Solutions LLC**

FOR

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

Issue Date: December 28, 2015

FAA Approved:



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

Date issued: December 28, 2015

Date Amended: May 20, 2016

Limitations and Conditions:

AML Items 1 through 10

- 1) Successful completion of Ground Test Plan DB1506004 Revision A dated April 13, 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, 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)(j) [23-62].