

## SUPPLEMENTAL TYPE CERTIFICATE

**10058529**

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 APPROVED MODEL LIST

**Type Certificate Holder:** SEE APPROVED MODEL LIST

**Type:** SEE APPROVED MODEL LIST

**Model:** SEE APPROVED MODEL LIST

**Original STC Number:** FAA STC ST03424CH

**Description of Design Change:**

Certification of Automatic Dependent Surveillance - Broadcast (ADS-B) Out System with Rockwell Collins TDR-94D Transponders.

**EASA Certification Basis:**

The Certification Basis for the original product as amended by the following additional or alternative airworthiness requirements for the following paragraph(s) at a later amendment:

See Continuation Sheet(s)



**For the European Aviation Safety Agency**

**Date of Issue: 06 October 2016**

**Colin HANCOCK  
Section Manager  
Supplemental Type Certificates (STCs)  
& Special Projects**

10044562

SUPPLEMENTAL TYPE CERTIFICATE - 10058529 - CMD FLIGHT SOLUTIONS, LLC - 308492



The type certification basis for the aircraft listed on the EASA Approved Model List is shown on TCDS listed on the EASA Approved Model List for parts not changed or not affected by this change. The certification basis for parts changed or affected by this change is as follows:

**Regulations at the amendment level:**

14 CFR §§ 25.301 [25-23], 25.303[25-23], 25.305(a)(b)(c)[25-86], 25.307(a)[25-72], 25.561(c) [25-91], 25.601[25-00], 25.603(a)(b)(c)[25-46], 25.605(a)[25-46], 25.607 [25-23], 25.609(a)(b)[25-00], 25.611(a) [25-123], 25.613(a)(b)(c) [25-112], 25.619 [25-23], 25.625(a)(b)(c)[25-72], 25.789(a) [25-46], 25.1301(a)(1)(2)(3)(4) [25-123], 25.1322(a)(1)(e)(1) [25-131], 25.1327(a) [ORIG], 25.1351 (a)(1) [25-72], 25.1353(c) [ 25-123], 25.1357(a)(c) [25-123], 25.1381(a)(b) [25-72], 25.1431 (a)(b)(c)(d) [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], CS-ACNS initial issue.

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:**

AIRPLANE FLIGHT MANUAL SUPPLEMENT, REPORT NO DB1409004 REVISION C

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.

DAN BUZZ & ASSOCIATES MASTER DATA LIST, DOCUMENT No. DB1409001 Rev F, dated July 20, 2015, OR LATER FAA APPROVED REVISION.

**Limitations/Conditions:**

THE TDR-94 transponder is a non-diversity transponder. Installation of the TDR-94D transponder is required for operations in accordance with European Air Operations rules. Airplane Flight Manual supplement, Report No DB1409004 Revision C or later revision approved by EASA must be attached to the Flight Manual. Successful completion of Ground test Plan DB1410017 Revision D dated April 4, 2016 or later FAA/EASA approved revision must be accomplished following implementation of this STC.

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 -

**European Aviation Safety Agency (EASA) Approved Model List (AML) Number 10058529  
CMD Flight Solutions LLC**

**FOR**

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



ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	TCDS NO.	EASA/FAA APPROVED AIRCRAFT FLIGHT MANUAL SUPPLEMENT		EASA/FAA APPROVED MASTER DRAWING LIST		TDR-94/94D Transponder Approved Part Numbers	GPS SOURCE	AML AMENDMENT DATE
				Number/Rev *	Date Approved	Number	Rev*/Date			
1.	Airbus Defense and Space S.A.	CN-235-100 CN-235-200 CN-235-300	EASA.A.186	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
2.	Beechcraft Corporation	MU-300-10 400 400A (Hawker 400XP) 400T	US A16SW	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
3.	Beechcraft Corporation	HS.125 Series 700A HS.125 Series 700B BAe.125 Series 800A BAe.125 Series 800B Hawker 800XP Hawker 850XP Hawker 900XP Hawker 750	EASA.IM.A.085	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016

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				Number/Rev *	Date Approved	Number	Rev*/Date			
4.	The Boeing Company	727 Series 727-100 Series 727-200 Series	US A3WE	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
5.	The Boeing Company	DC-9-87 (MD-87)	US A6WE	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
6.	Bombardier Inc.	DHC-8-100 Series DHC-8-200 Series DHC-8-300 Series DHC-8-400 Series	EASA.IM.A.191	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016



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				Number/Rev *	Date Approved	Number	Rev*/Date			
7.	Bombardier Inc.	CL600-1A11 (CL-600) CL600-2A12 (CL-601) CL600-2B16 (CL-601-3A Variant, CL-601-3R Variant, CL-604 Variant) CL-600-2B19 (Regional Jet Series 100) CL-600-2C10 (Regional Jet Series 700, 701 & 702) CL-600-2D15 (Regional Jet Series 705) CL-600-2D24 (Regional Jet Series 900) CL-600-2E25 (Regional Jet Series 1000)	EASA.IM.A.023	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
8.	Bombardier Inc.	BD-100-1A10	EASA.IM.A.080	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or FreeFlight Systems Model 1203C GPS	04 Oct 2016



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				Number/Rev *	Date Approved	Number	Rev*/Date			
9.	Dassault Aviation	Fan Jet Falcon Fan Jet Falcon Series C, D, E, F Mystere-Falcon 20-C5, 20-D5, 20-E5, 20-F5 Mystere-Falcon 200	FR TCDS 103 FR TCDS 103BIS FR TCDS 103TER	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
10.	Dassault Aviation	Falcon 10	EASA.A.173	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
11.	Dassault Aviation	Mystere-Falcon 50 (Falcon 50EX) Mystere-Falcon 900 Falcon 900EX	EASA.A.062	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016



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				Number/Rev *	Date Approved	Number	Rev*/Date			
12.	Dassault Aviation	Falcon 2000 Falcon 2000EX	EASA.A.008	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
13.	Fokker Services B. V.	F.27 Mark 050 (Fokker 50)	EASA.A.036	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
14.	Gulfstream Aerospace LP	1125 Westwind Astra Astra SPX Gulfstream 100 Gulfstream G150	EASA.IM.A.228 IL ASIL	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016



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				Number/Rev *	Date Approved	Number	Rev*/Date			
15.	Gulfstream Aerospace LP	Galaxy Gulfstream 200	EASA.IM.A.013	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
16.	Gulfstream	G-1159 G-1159A G1159B G-IV GV GV-SP	EASA.IM.A.070	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
17.	Israel Aircraft Industries Ltd.	1123 1124 1124A	US A2SW	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016



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				Number/Rev *	Date Approved	Number	Rev*/Date			
18.	Kelowna Flightcraft R & D Ltd. Tracor (Convair)	440	CA A-220	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
19.	Learjet Inc.	24, 24A, 24B, 24B-A, 24C, 24D, 24D-A, 24E, 24F, 24F-A 25, 25A, 25B, 25C, 25D, 25F, 28, 31, 31A 35, 35A (C-21A) 36, 36A, 55, 55B, 55C 60	US A10CE  EASA.IM.A.212 (60 Only)	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
20.	Learjet Inc.	45 (Learjet 40, Learjet 45, Learjet 70, Learjet 75)	EASA.IM.A.020	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016



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21.	Lockheed Martin Corporation	1329-23D 1329-25	US 2A15	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
22.	Sabreliner Aviation LLC	NA-265-65	US A2WE	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016
23.	Textron Aviation Inc. (Cessna)	650 (Citation III, VI and VII)	US A9NM	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016



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				Number/Rev *	Date Approved	Number	Rev*/Date			
24.	Textron Aviation Inc (Cessna).	500 550 5550 552 560 560XL	EASA.IM.A.207	DB1409004, C	4-19-2016	DB1409001	I 4-5-2016	622-9210-501 622-9352-501	Rockwell Collins GPS-4000S or Universal Avionics UNS-1(-)w FMS or FreeFlight Systems Model 1203C GPS	04 Oct 2016



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**Date of Issue: 06 October 2016**

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Section Manager  
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