

Factual Report - Attachment 9
N605TR Airworthiness Records

OPERATIONAL FACTORS

WPR21FA286



US Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appliance)

OMB No. 2120-0020
Exp: 5/31/2018

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N605TR	Serial No. 5715
	Make Bombardier	Model CL-600-2B16
2. Owner	Name (As shown on registration certificate) Tarco Aircraft Funding, LLC	
	Address (As shown on registration certificate) Address 3201 W Commercial Blvd. Suite 218	
	City Fort Lauderdale	State FL
	Zip 33309	Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<u>Bombardier</u>	(As described in Item 1 above)	<u>5715</u>
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name C&L Aviation Services		<input type="checkbox"/> U. S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Certificated Maintenance Organization	
Address 40 Wyoming Avenue		C. Certificate No.	
City Bangor State ME		<div style="background-color: black; width: 100px; height: 20px;"></div>	
Zip 04032 Country U.S.A.			

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual Richard J. Smith 9 Sep 2020
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector		Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	<input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No.	Signature/Date of Authorized Individual
<div style="background-color: black; width: 100px; height: 1.2em;"></div>	Colby Nohr 9 Sep 2020

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

FOR USE ON

Number ST03424CH **Bombardier Inc.,
CL-600-2B16, serial
number 5715 ONLY**

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 25 of the Federal Aviation Regulations

Original Product - Type Certificate Number

*

* See attached Federal Aviation Administration (FAA) Approved Model List (AML) number ST03424CH for approved aircraft 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 Dan Buzz & Associates Master Data List, Document No. DB1409001, Revision F, dated July 20, 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) The existing Rockwell Collins TDR-94/-94D Transponder installation must be previously FAA Approved.
- 4) FAA Approved Airplane Flight Manual Supplement (AFMS) as listed on the AML number ST03424CH, or later FAA approved revision, is required on board the modified aircraft.
- 5) Additional Limitations and Conditions are listed on AML number ST03424CH.

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 12, 2014

Date received: August 28, 2015

Date of issuance: February 23, 2015

Date amended:



By direction of the Administrator

(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.



CMD Flight Solutions, LLC
9199 Cotters Ridge Rd
Richland, MI 49083

05/04/20

C&L Aviation Services
40 Wyoming Ave.
Bangor, ME 04401

RE: One time STC ST03424CH Letter of Authorization

CMD Flight Solutions, LLC, sole owner of FAA Supplemental Type Certificate (STC) ST03424CH, authorizes **C&L Aviation Services**, one time use of the STC to upgrade the Rockwell Collins TDR-94/94D Transponders with Automatic Dependent Surveillance-Broadcast (ADS-B) Out on **Bombardier Inc., CL-600-2B16, serial number 5715**.

This authorization letter shall become part of the aircraft permanent records and provided to the aircraft owner upon delivery.

Regards,

A handwritten signature in cursive script, which appears to read "Daniel Buzz", is written over a black rectangular redaction box.

Daniel Buzz

Owner
CMD Flight Solutions, LLC



US Department
of Transportation
Federal Aviation
Administration

**MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)**

OMB No. 2120-0020
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INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N605TR	Serial No. 5715
	Make Bombardier	Model CL-600-2B16
2. Owner	Name (As shown on registration certificate) Tarco Aircraft Funding, LLC	
	Address (As shown on registration certificate) Address 3201 W Commercial Blvd. Suite 218	
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	Zip 33309	Country USA


3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<u>Bombardier</u>	(As described in Item 1 above)	<u>5715</u>
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name C&L Aviation Services	Address 40 Wyoming Avenue City Bangor State ME Zip 04032 Country U.S.A.	<input type="checkbox"/> U. S. Certificated Mechanic	<input type="checkbox"/> Manufacturer
		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input checked="" type="checkbox"/> Certificated Repair Station	
		<input type="checkbox"/> Certificated Maintenance Organization	



D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual  9 Sep 2020
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee <input checked="" type="checkbox"/>	Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. 	Signature/Date of Authorized Individual  9 Sep 2020
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NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

<u>N605TR</u>	<u>9 Sep 2020</u>
Nationality and Registration Mark	Date

STC ST03424CH - Upgrade the Rockwell Collins TDR-94/94D Transponders with Automatic Dependent Surveillance-Broadcast (ADS-B) out on Bombardier Inc., CL-600-2B16, Serial number 5715.

Aircraft Flight Manual supplement Report NO. DB1409004 Revision E, Installed to aircraft flight manual.

-----NOTHING FOLLOWS-----

Additional Sheets Are Attached



CMD Flight Solutions, LLC
9199 Cotters Ridge Rd
Richland, MI 49083



05/04/20

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40 Wyoming Ave.
Bangor, ME 04401

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This authorization letter shall become part of the aircraft permanent records and provided to the aircraft owner upon delivery.

Regards,

A handwritten signature in black ink is written above a solid black rectangular redaction box that covers the printed name of the sender.

Daniel Buzz

Owner
CMD Flight Solutions, LLC

United States of America
Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

FOR USE ON

Number ST03424CH

**Bombardier Inc.,
CL-600-2B16, serial
number 5715 ONLY**

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Richland, MI 49083

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Model

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- 5) Additional Limitations and Conditions are listed on AML number ST03424CH.

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 12, 2014

Date reissued: August 28, 2015

Date of issuance: February 23, 2015

Date amended:



By direction of the Administrator

(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.



T-RX TEST REPORT

TEST: ADS-B 1090 ADS-B 1090ES

Aircraft: N605TR
Work Order: A1144-XPDR1
Technician: XXXXXXXXXX
Date: 2020-08-21 11:13:03

Mode S Address	N605TR A7DB8B (51755613)
Flight ID	N605TR__
Latitude/Longitude	44° 48.679' / -68° 49.182'
Pressure Altitude	250 ft
Geometric Altitude	50 ft
Groundspeed	E 0 / N 0 kts
Mode A Code	1200
Emergency/Priority Status / State	No Emergency (0) / Airborne
Emitter Category	Large 75-300K lbs (3)
TCASII/ACAS Equipped/Operational	No (0)
ADS-B IN	
NACp	< 0.05NM (92.6m) (8) ✓
NACv	<3 m/s (2) ✓
NIC	8 ✓
SDA	DAL N/A (0) X
SIL	$\leq 1 \times 10^{-7}$ /hour (3) ✓
MOPS Version	v2 DO-260B/ED-102A DO-242B ✓
NICbaro	Pressure Altitude Cross-Checked
GVA	≤ 45 m (2)
Vertical Rate	0 ft/min
Selected Altitude	0 ft Src: MCP/FCU
Selected Heading	331.9°
MCP/FCU Modes	---
Antenna	Dual



T-RX TEST REPORT

TEST: ADS-B 1090 ADS-B 1090ES

Aircraft: N605TR
Work Order: A1144-XPDR2
Technician: [REDACTED]
Date: 2020-08-21 11:14:13

Mode S Address	N605TR A7DB8B (51755613)
Flight ID	N605TR__
Latitude/Longitude	44° 48.676' / -68° 49.188'
Pressure Altitude	250 ft
Geometric Altitude	75 ft
Groundspeed	E 0 / S 0 kts
Mode A Code	1200
Emergency/Priority Status / State	No Emergency (0) / Airborne
Emitter Category	Large 75-300K lbs (3)
TCASII/ACAS Equipped/Operational	No (0)
ADS-B IN	
NACp	< 30m (9) ✓
NACv	<3 m/s (2) ✓
NIC	8 ✓
SDA	DAL N/A (0) X
SIL	$\leq 1 \times 10^{-7}$ /hour (3) ✓
MOPS Version	v2 DO-260B/ED-102A DO-242B ✓
NICbaro	Pressure Altitude Cross-Checked
GVA	≤ 45 m (2)
Vertical Rate	0 ft/min
Selected Altitude	0 ft Src: MCP/FCU
Selected Heading	331.9°
MCP/FCU Modes	---
Antenna	Dual