



# Controlled Capabilities Document (CCD)

Challenger Aviation Services Inc.

CRS # 98TR084D

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## **INTRODUCTION**

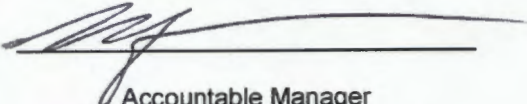
CHALLENGER AVIATION SERVICES Inc. will utilize a Controlled Capabilities Document (CCD) in conjunction with the Air Agency Certificate to document all FAA approved ratings. It is the responsibility of Accountable Manager or Quality Assurance Manager to maintain the CCD, Revise, control revision, and distribution of lists.

## **DOCUMENT LAYOUT AND REVISION**

The CCD will be used as a standalone document and will include a table of contents. The document will contain a revision page to show approval by the Accountable Manager. The CCD will have a place on each page that will contain the OEM aircraft type, aircraft model number, the part numbers associated with the aircraft (if utilized), and the inspection/repair manual and/or approved inspection/repair data. Audit of the manual will be done no less than on an annual basis or as needed with the arrival of new technical services. If the audit is conducted by anyone other than the Accountable Manager, revisions will be submitted to the FAA prior to distribution.

## REVISIONS

The latest revision to the Controlled Capability List is approved and the instructions contained are mandatory for all Challenger Aviation Services Inc. employees and contractor personnel performing services under our FAA Repair Station Certificate and operations Specifications.

  
 Accountable Manager

Revision Number	Revision Date	Description of Revision
1	1/2/2018	Added Challenger 300 Series to Airframe page 7
2	2/8/2018	Limited Instruments, Under Manufacture added All, Under Repair Instructions added Suggested Text, Added Compass Swing page 11
2	2/8/2018	Limited Accessories, Under Model added All Series page 12
1	1/2/2018	Added Honeywell HTF7000 Engines all Series page 13
2	2/8/2018	Removed Alterations from Repair Instructions page 14
2	2/8/2018	LOE added pages 1, 2, 3, 4, 5, 8, and 9 to list page 5
2	2/8/2018	Limited Airframe added 91.207 (d) page 9
2	2/8/2018	Limited Radio, Removed all but Transponder Certification page 10
2	2/8/2018	Changed Revision Notification Time Frame from 30 to 15 Days

### List of Effective Pages and Revisions

<b>Book</b>	<b>Page</b>	<b>Issue Date</b>	<b>Revision Number</b>
Cover Sheet	1	1/2/2017	0
Table of Contents	2	1/2/2017	0
Introduction	3	1/2/2017	0
Revisions	4	02/08/2018	2
List of Effective Pages and Revisions	5	02/08/2018	2
Limited Airframe	6	01/02/2017	0
	7	12/11/2017	1
	8	1/2/2017	0
	9	02/08/2018	2
Limited Radio	10	02/08/2018	2
Limited Instrument	11	02/08/2018	2
Limited Accessories	12	02/08/2018	2
Limited Powerplant	13	12/11/2017	1
Limited Propeller	14	2/8/2018	2
Manual Revision Process	15	2/8/2018	2

## LIMITED AIRFRAME

<b>Manufacturer</b>	<b>Model</b>	<b>Part Number</b>	<b>Description</b>	<b>Repair Instruction</b>
Beechcraft	90, 200, and 300 Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.
Beechcraft	390 Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.
Beechcraft	700, 800, and 850 Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.

## LIMITED AIRFRAME

<b>Manufacturer</b>	<b>Model</b>	<b>Part Number</b>	<b>Description</b>	<b>Repair Instruction</b>
Cessna	500, 650, 680, and 750 Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.
Bombardier Challenger	300, 604, 605 Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.
Embraer Air	135 Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.
Gulfstream American	G1159 GII, All Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.

## LIMITED AIRFRAME

<b>Manufacturer</b>	<b>Model</b>	<b>Part Number</b>	<b>Description</b>	<b>Repair Instruction</b>
Gulfstream American	G1159A GIII, All Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.
Gulfstream American	G1159A GIV, All Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.
Gulfstream American	G200, All Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.
Gulfstream American	280, All Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.



## LIMITED AIRFRAME

<b>Manufacturer</b>	<b>Model</b>	<b>Part Number</b>	<b>Description</b>	<b>Repair Instruction</b>
Lear Jet	45 and 60	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.
Pilatus	PC12/45, and PC12/47E	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.
Socata TBM	700 and 800 Series	N/A	Aircraft	Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, Structural Repair Manuals, Overhaul Manuals, and other manufactures maintenance instructions as revised.

**LIMITED RADIO**

<b>Manufacturer</b>	<b>Model</b>	<b>Part Number</b>	<b>Description</b>	<b>Repair Instruction</b>
ALL	ALL	N/A	Avionics	Authorized to perform transponder certifications IAW 14 CFR 91.413 and Part 43 Appendix E & F, including Mode S transponders.

## Limited Instrument

**Manufacturer**

**Model**

**Repair Instruction**

ALL

ALL

Authorized to perform altimeter and static system tests, inspections and maintenance IAW 14 CFR 91.411 & Part 43 Appendix E and/or FAA approved RVSM maintenance programs as applicable, and to make minor adjustments to altitude encoders and pneumatic altimeters' barometric scale error IAW current manufacturers' instructions or other data approved by the Administrator

ALL

ALL

Authorized to perform compass swings and adjustments as necessary IAW current manufacturers' instructions or other data approved by the Administrator

## LIMITED ACCESSORIES

Manufacturer	Model	Description	Repair Instruction
Hamilton Sundstrand APU	T-62-39 all Series	Engine	Honeywell Garrett Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alterations in Accordance with current Manufactures Maintenance Manuals, No Overhaul.
Hamilton Sundstrand APU	T-20G-10C3A all Series	Engine	Honeywell Garrett Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.
Honeywell Garrett APU	GTPC 36-100 all Series	Engine	Honeywell Garrett Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.
Honeywell Garrett APU	GTPC 36-150 all Series	Engine	Honeywell Garrett Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.

## LIMITED POWERPLANTS

Manufacturer	Model	Description	Repair Instruction
Honeywell Garrett	TFE 731 all Series	Engine	Honeywell Garrett Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.
Honeywell	AS907 and HTF7000 all Series	Engine	Honeywell Garrett Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.
Pratt & Whitney	PT6A All Series	Engine	Pratt & Whitney Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.
Pratt & Whitney	300, 500, and 600 Series	Engine	Pratt & Whitney Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.
Rolls Royce	AE3007 Series	Engine	Rolls Royce Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.
Rolls Royce	Spey RB.168 Mk 511-8 Series	Engine	Rolls Royce Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.
Rolls Royce	RB.183 Tay Series	Engine	Rolls Royce Maintenance Manual Maintenance, Line maintenance, preventive maintenance, alteration, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.

## LIMITED PROPELLER

<b>Manufacturer</b>	<b>Model</b>		<b>Description</b>	<b>Repair Instruction</b>
Hartzell	All Models	N/A	Propeller	Remove, Install, Inspect, Maintenance, Line maintenance, preventive maintenance, in Accordance with current Manufactures Maintenance Manuals, No Overhaul.
McCauley	All Models	N/A	Propeller	Remove, Install, Inspect, Maintenance, Line maintenance, preventive maintenance, in Accordance with current Manufactures Maintenance Manuals, No Overhaul

## MANUAL REVISION PROCESS

### REASON:

To discuss the regulatory requirements of 14CFR, Part 145, sections 145.207 (e), 145.209 (j), 145.209 (k), 145.211(c) (4) and 145.211 (d) with regards to procedures for Document revision.

### SCOPE:

The repair station shall assign copies of its manual in an electronic format as required unless otherwise directed in writing by the local Flight Standards Office. The local Flight Standards District Office shall be assigned copies of, and each manual should be found on a USB Thumb Drive. To prevent access to information that is not maintained current, no employee may make a copy of the manual or pages from the manual, without clearly identifying each page as an uncontrolled copy.

### RESPONSIBILITY:

The Accountable Manager or assigned designee is responsible for ensuring that this electronic version of the manual is kept current and accurate at all times. Page Four of this manual is the list of revision's page and shall be updated to indicate it is found acceptable by the Federal Aviation Administration.

### PROCEDURE:

Any employee can access the manual through the Online Library using the work station in any office or work location. Access is read-only to prevent any inadvertent changes to the information. Only the Accountable Manager or assigned designee can make changes.

When changes are contemplated, the local Flight Standards District Office will be forwarded a copy of the contemplated changes electronically in a read-only format. Fifteen days prior to the issuance date for comment. If comments are received, they will be disposed of in accordance with the Federal Aviation Regulations. If no comments are received, the manual revisions will be entered into the software within fifteen (15) days of final issuance. Distribution to the Federal Aviation Administration will be in an electronically read-only format unless otherwise directed in writing by the local Flight Standards Office.

Upon review by the Federal Aviation Administration or after thirty-day period, whichever is shorter, the Accountable Manager or assigned designee shall update the revised List of Effective Pages, to indicate approval.

If at any time the Federal Aviation Administration finds any portion of this manual unacceptable due to non-compliance with an enumerated 14 CFR regulation, the repair station shall initiate expedited manual change procedures. The Federal Aviation Administration initiated change shall be incorporated within 15 days of written notification of the non-compliance in accordance with the procedures in this manual.

Revisions to the Controlled Capabilities Document will follow Procedures Outlined in RSM, RSM-15. Revisions will be located in required recordkeeping areas at the station.

### Manual Control Number

Manual #1

Manual #2 Printed Copy

Manual #3

### LOCATION

Online Library

General Manager

FAA (Federal Aviation Administration)