



## Title: FAA Accepted Capabilities List

### 1.0 Purpose

- 1.1. This Repair Station Capabilities List has been prepared in accordance with the Federal Aviation Administration regulations for developing and maintaining a FAA acceptable Repair Station Capability List.
- 1.2. This document lists the articles that can be approved for return to service by the Repair Station.
- 1.3. This document will be the guiding list of what can be approved for return to service by Metal Innovations Inc.

### 2.0 Scope

- 2.1. This capabilities list applies to all aircraft repaired in the field or on-site by personnel of Metal Innovations Inc. (MII) Repair Station #KW7R756N that are not covered by the Class 1 and Class 3 Ratings on the Operations Specifications.
- 2.2. This list part of the FAA Approved Repair Station's "Operations Specifications". It therefore becomes regulatory in nature limiting the repair stations activities to only those articles herein listed.
- 2.3. The Term AOG (Aircraft On Ground) is used on this list only to satisfy specific customer QA needs to allow MII being listed on their Vendor Lists for essential maintenance services. AOG has no official FAA definition and is an occasional inherent part of aircraft maintenance needs. Items on this listing do not require an AOG listing to perform such maintenance.

### 3.0 Responsibilities

- 3.1. **Quality Assurance Manager:** Responsible for ensuring the new revision of the capabilities list has been accepted by the Flight Standards District Office representative prior to releasing the revision in document control. They will also ensure accuracy and completeness prior to release. Is responsible for ensuring that the new capabilities are properly documented and verified prior to submitting the information to FSDO. This task may be delegated to a qualified Inspector with oversight.

### 4.0 Procedure – Text

#### 4.1. DEFINITIONS:

- 4.1.1. **FSDO:** Flight Standards District Office
- 4.1.2. **Airframe:** means the fuselage, booms, nacelles, cowlings, fairings, airfoil surfaces (including rotors but excluding propellers and rotating airfoils of engines), and landing gear of an aircraft and their accessories and controls.
- 4.1.3. **Maintenance:** means inspection, overhaul, repair, preservation, and the replacement of parts, but excludes preventive maintenance.

- 4.1.4. **Preventive Maintenance:** means simple or minor preservation operations and the replacement of small standard parts not involving complex assembly operations.
  - 4.1.5. **Airframe Alterations:** are defined in 14CFR Part 43.1 Appendix A(a)(1)
  - 4.1.6. **Composites:** have no direct definition in 14CFR but are referenced in AC145-6 as structures consisting of metal-bonded and fiber-reinforced materials.
  - 4.1.7. **Internet Dictionary:** Composites are defined as complex materials in which two (2) or more distinct structurally complementary substances such as ceramics, metals, glasses and polymers are combined to produce structural or functional properties not present in any individual component.
- 4.2. Revision Control:
- 4.2.1. Any time a new capability is added or removed from the Capabilities List. The FSDO representative will accept the changes prior to releasing the document at MII.
  - 4.2.2. This Document will be controlled as other documents as described in Operating Procedure 01005 – Repair Station Manual
- 4.3. Self-Evaluation:
- 4.3.1. Prior to putting any new capability on the list, the Quality Assurance Manager or their designate will initiate Form 11006 – Capabilities List Self-Audit. This audit will ensure that MII has the necessary technical documents, facilities, tools, test equipment and personnel available to do the job
  - 4.3.2. If MII does not have the proper technical publications, or resources to support the repair, the Inspector must discontinue with the capability, and reject the repair.
  - 4.3.3. The completed Self-Evaluation will be considered a quality record and will be filed per Operating Procedure 07030 – Control of Records
- 4.4. Operation Specifications:
- 4.4.1. The operations specifications are issued to Metal Innovations Inc. by the U.S. Department of Transportation Federal Aviation Administration pursuant to Title 14 CFR part 145.53. Its purpose is to define and document the “Ratings and Limitations” that this Repair Station operates under. Operations specifications are issued as part of the Repair Station Certificate, meaning they correlate with the Face of the Air Agency Certificate.
  - 4.4.2. The Operation Specifications need to be changed when a new rating is requested that is currently not covered.
  - 4.4.3. For changes to the operations specification the Quality Assurance Manager will contact the Repair Station’s Principal Maintenance and/or Avionics Inspector or his/her designee at the Flight Standards District Office in Hillsboro, Oregon and the item being added or removed will be accepted or denied.

**5.0 Metal Innovations Inc. Capabilities List**

5.1 Limited Airframe

MANUFACTURER	MODEL OR SERIES	DESCRIPTION OF WORK AND/OR TECHNICAL DATA
Avions de Transport Regional	ATR Model 42 Series	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Bell-Textron	214B	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Bell-Textron	214ST	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron- formerly Hawker Beechcraft Corporation	300 Series King Air	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron- formerly Hawker Beechcraft Corporation	350 Series King Air	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron- formerly Hawker Beechcraft Corporation	1900 Series	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron- formerly Hawker Beechcraft Corporation	400 Series	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron- formerly Hawker Beechcraft Corporation	800A/B	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron- formerly Hawker Beechcraft Corporation	800XP	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron- formerly Hawker Beechcraft Corporation	850XP	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Boeing – formerly McDonnell Douglas Corporation	DC-9-80/MD-80 Series	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration per TCDS A6WE as revised.
Bombardier & MHI RJ Aviation ULC – formerly Bombardier Inc.	CL-600 Series per TCDS A21EA and A21EA-1, as revised.	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.

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MANUFACTURER	MODEL OR SERIES	DESCRIPTION OF WORK AND/OR TECHNICAL DATA
Bombardier	BD-700 Series per TCDS T00003NY, as revised.	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Bombardier – formerly Lear Jet	20 Series (23/24, 25, 28/29) 30 Series (31, 35/36) per TCDS A10CE, as revised.	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Bombardier – formerly Lear Jet	40/45 Series per TCDS A10CE, as revised.	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Bombardier – formerly Lear Jet	60 Series per TCDS A10CE, as revised.	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron-Cessna	550 Series Citation II	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron-Cessna	551 Series Citation IISP	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron-Cessna	S550 Citation SII	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron-Cessna	560 Series Citation V	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron-Cessna	650 Series Citation III	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Textron-Cessna	680 Series Sovereign per TCDS T00012TWI	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Columbia Helicopters Inc.	107-II per TCDS 1H16	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.

MANUFACTURER	MODEL OR SERIES	DESCRIPTION OF WORK AND/OR TECHNICAL DATA
Columbia Helicopters, Inc.	234 per TCDS H9EA	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Dassault Aviation (previously listed on TCDS A7EU)	Falcon 20 HU-25A	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Dassault Aviation (previously listed on TCDS A46EU)	Falcon 50 Series per TCDS A46EU, as revised	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Dassault Aviation (previously listed on TCDS A46EU)	Falcon 900 Series	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
De Havilland Aircraft of Canada Limited- formerly Bombardier	DHC-8 Series per TCDS A13NM, as revised	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration. AOG repair services for Customer Out-Station needs.
The Boeing Company (previous McDonnell Douglas Corporation (previous Douglas Aircraft Company)	DC-6 C-118 Liftmaster	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Airbus Defense and Space S.A. (previous Construcciones Aeronáuticas S.A. (CASA)	C-212 Series per TCDS A43EU, as revised	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Embraer S.A.	145 Series	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Otic Engineering and Manufacturing Inc. (previously Fairchild Aircraft Corp)	SA227 Series	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.

MANUFACTURER	MODEL OR SERIES	DESCRIPTION OF WORK AND/OR TECHNICAL DATA
Fokker Services B.V.	F-27 Series	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Fokker Services B.V.	F-28 Series	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Gulfstream Aerospace LP (previously Israel Aircraft Industries)	G-100 Series – formerly Astra SPX	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Gulfstream Aerospace LP	G-200 Series	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Gulfstream Aerospace Corp.	G-1159 Series per TCDS A12EA, as revised	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Gulfstream Aerospace Corp.	G-IV Series per TCDS A12EA, as revised	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Gulfstream Aerospace Corp.	G-V Series per TCDS A12EA, as revised	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Gulfstream Aerospace Corp.	G-VI Series per TCDS T00015AT, as revised	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
The Boeing Company (Previously McDonnell Douglas Corporation (Previously Douglas Aircraft Company)	DC-3	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.

MANUFACTURER	MODEL OR SERIES	DESCRIPTION OF WORK AND/OR TECHNICAL DATA
Saab AB, Support and Services (previous Saab AB, Saab Aeronautics)	340 series per TCDS A52EU, as revised	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Short Brothers PLC/USDA Forest Service	C-23A Sherpa	General Maintenance and inspections in accordance with USDA Inspection Program.
Sikorsky and all subsequent TC holders	CH-54A, B	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.
Sikorsky and all subsequent TC holders	S-64E, F	General airframe maintenance, preventive airframe maintenance, airframe alterations and composite repair / alteration.

## 5.2 Limited Floats

MANUFACTURER	MODEL OR SERIES	DESCRIPTION OF WORK AND/OR TECHNICAL DATA
EDO-AIRE - Sea Plane Division	EDO Float Series	General float maintenance, preventive float maintenance, float alterations and composite repair / alteration.
Wipaire	8000 & 8750 Series Floats (per STC SA1311GL)	General float maintenance, preventive float maintenance, float alterations and composite repair / alteration.

### 5.3 Limited Powerplant

MANUFACTURER	MODEL OR SERIES	DESCRIPTION OF WORK AND/OR TECHNICAL DATA
General Electric Aero Engines	CF34 Series	Metal repairs to exhaust nozzles and nozzle assemblies as per G.E. Aero Engines Repair Technical Data, Manuals GEK108752 and GEK108792, covering part numbers CN626-0001-001, CN626-0001-901, CN626-0007-003, CN626-0002-203, CN626-0002-205 and 4151T13G01.
Pratt and Whitney	PT6 Series	General maintenance and inspection excluding overhaul.
Teledyne Continental Motors, Inc.	IO-520D	General maintenance excluding overhaul.
Continental Aerospace Technologies, Inc	TSIO-360/LTSI-360 (all models) (TCDS E9CE)	General maintenance excluding overhaul.

### 5.4 Limited Accessories

MANUFACTURER	PART NUMBER	DESCRIPTION	LIMITATIONS
Barry Controls	96073 series	APU Isolation System	Limited to inspection and maintenance

## 6.0 Exhibits

6.1. Not Applicable

## 7.0 References

- 7.1. 14CFR 145.215 – Capability List, Amdt. 145-27, Eff. 1/31/2004
- 7.2. Operating Procedure 01005 – MII Repair Station Manual
- 7.3. Operating Procedure 07030 – Control of Records
- 7.4. Form 11006 – Capabilities List Self Audit



**8.0 Revision History**

REVISION	DESCRIPTION	Release Date	APPROVED
OP 11005 Rev A	Converted to New Document Control System Page 6: 208 Series Caravan-Added PNs 2601197-1, -2, -3, -4 & 2601315-1, -2, -3, -6 Page 8: DHC-8 Q-200: deleted 9601001-105 with seat pan. Added DHC-8 Q-400 Exhaust Shroud Trunnion & Air stair Door Repair.	2/26/14	Greg Hastings
OP 11005 Rev B	Added Diamond Aircraft DA-40 Series to list. Deleted 5.4 Non-Destructive Testing	7/2/2014	Victor M. Sirr
OP 11005 C	Modify entire document to comply with Class 1 and Class 3 Ratings on Ops Spec Removed All Makes / All Models for composite to be put on Ops Spec Removed Revision History for MIIDoc00097 history for this document can be found in Archives.	10/9/14	Greg Hastings
OP 11005 D	Added Dassault Falcon 50 Series to list. Added De Havilland -8Q400 Aft Exhaust Assys. (Fingernails) Repair Scheme MIIDoc00235. Correlated Falcon Jet Corp to Dassault for Falcon 20/HU-25. Corrected CL-600 series to accurately reflect model designation. Added TCDS references to Model/Series descriptions.	04/20/2015	Victor M. Sirr
OP 11005 E	Added EADS/CASA C-212 Series Added Bombardier (Learjet) 60 series	04/06/2015	Victor M. Sirr
OP 11005 F	Removed De Havilland DHC8-200 MIIDoc0712004. Re-inserted Cessna 208 Series for inclusion of RS-DER Docs MIIDoc00145 and MIIDoc00187.	07/13/2015	Victor M. Sirr
OP 11005 G	Added Saab 340 series	09/10/2015	Victor M. Sirr
OP 11005 H	Added MIIDoc00118 to De Havilland DHC-8 Q-400. Supersedes docs 0711001 and MIIDoc00089 which have been removed from DeHavilland DHC-8 Q-400 in this revision.	11/25/2015	Victor M. Sirr
OP 11005 I	Added Bombardier BD-700 series	02/04/2016	Victor M. Sirr
OP 11005 J	Added MIIDoc00222 to De Havilland DHC-8 Q-400. Updated Textron and Bombardier manufacturer descriptions from legacy manufacturers	03/22/2017	Victor M. Sirr
OP 11005 K	Added MIIDoc00279 RS-DER Document to Bombardier (De Havilland) DHC-8 Q-400.	07/20/2017	Victor M. Sirr

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OP 11005 L	Added Cessna /Textron Model 680 Sovereign	07/31/2017	Victor M. Sirr
OP 11005 M	Added AOG Services to DeHavilland/Bombardier -8Q400 to satisfy Horizon Airlines QA needs to place MII on Essential Services Provider vendor list. Added Para. 2.3 regarding AOG listings.	01/10/2018	Victor M. Sirr
OP 11005 N	Add MIIDoc00310 RS-DER for PA-31 series	08/23/2018	Victor M. Sirr
OP 11005 O	Added MII RS-DER MIIDoc00318 for CHI 107-II and 234 passenger seats. Added RS-DER description to applicable MII docs.	10/25/2018	Victor M. Sirr
OP 11005 P	Added MII RS-DER MIIDoc00316 for DHC-8Q400 QAD Adapters	11/30/2018	Victor M. Sirr
OP 11005 Q	Added Wipaire 8000 floats	03/01/2019	Victor M. Sirr
OP 11005 R	Added Wipaire 8750 floats	04/09/2019	Victor M. Sirr
OP 11005 S	Added MIIDoc00331 to CHI 234.	07/12/2019	Victor M. Sirr
OP 11005 T	Added MIIDoc00341 to CHI 107-II	10/16/2019	Victor M. Sirr
OP 11005 U	Added MIIDoc00346 to CHI 234	12/18/2019	Michael V. Huber
OP 11005 V	Added MIIDoc00345 to CHI 234	01/09/2020	Michael V. Huber
OP 11005 W	Added MIIDoc00362 to Textron Cessna 208 Series. Editorial correction to 5.3 Limited Engine- Pratt & Whitney: added 'A' after PT6, replaced 114 with series, removed phase card.	05/26/2020	Michael V. Huber
OP 11005 X	Added MIIDoc00359 to CHI 107-II	07/06/2020	Michael V. Huber
OP 11005 Y	Added MIIDoc00353 to CHI 234	09/24/2020	Michael V. Huber
OP 11005 Z	Added Gulfstream G-VI	10/5/2020	Michael V. Huber

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REVISION	DESCRIPTION	Release Date	APPROVED
OP 11005 AA	Added TSIO-360/LTSIO-360 Engines	03/15/2021	Michael V. Huber
OP 11005 AB	Added MIIDoc00411 to Cessna 208 and MIIDoc00396 to CHI 234	05/11/2021	Michael V. Huber
OP 11005 AC	Added Pilatus PC-12 to list per Repair Station Class 3 rating to include RS-DER MIIDoc00421	06/23/2021	Michael V. Huber
OP 11005 AD	Added MIIDoc00442 to Cessna 208	03/15/2022	Michael V. Huber
OP 11005 AE	Added AIRBUS EC135 to list per Repair Station Class 3 rating to include RS-DER MIIDoc00472 Updated Manufacturer for Bombardier DHC8 series of listings to new TC Holder: De Havilland Aircraft of Canada Limited Updated Manufacturer and TCDS for Bombardier CL-600 series to include additional TC Holder for CL-600 on A21EA-1: MHI RJ Aviation	01/25/2023	Michael V. Huber
OP 11005 AF	Added MIIDoc00430 to Pilatus PC-12. Corrected TCDS number for PC-12 due to typo. Updated Manufacturer for SA227 series to new TC Holder: Ontic Engineering and Manufacturing Inc. Updated Manufacturer for DC-3 and DC-6 to new TC Holder: The Boeing Co. Corrected manufacturer name as shown on TCDS for Piper, Embraer, Fokker, Gulfstream, EADS/CASA, Saab, Dassault	03/01/2023	Michael V. Huber
OP 11005 AG	Added Daher Kodiak 100 to list per Repair Station Class 3 rating to include RS-DER MIIDoc00482. Removed previous editorial correction made in error- removed 'A' after PT6.	05/25/2023	Michael V. Huber
OP 11005 AH	Added New FAA approved Limited Accessories section to Capability List. Removed requirement in section 4.3 to list Generic Repair Schemes on the Capability Listing (Form Rev B) and removed all documents from listing. Added Barry Controls ERJ 170 Series APU Isolation System Type PN: 96073-xx	09/18/2024	Michael V Huber

  
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