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A001 . Issuance and Applicability

HQ Control: 02/11/2016

HQ Revision: 05e

a. These operations specifications are issued to Able Aerospace Services Inc., a Repair Station located in the United States, pursuant to 14 CFR Part 145, § 145.53. The repair station certificate holder shall conduct operations in accordance with 14 CFR Part 145 and these operations specifications.

The certificate holder's address:

Fixed Location:
7706 E. Velocity Way
Mesa, Arizona 85212

b. The holder of these operations specifications is the holder of certificate number A1LR190N and shall hereafter be referred to as the "certificate holder".

c. These operations specifications are issued as part of this repair station certificate and are in effect as of the date approval is effective. This certificate and these operations specifications shall remain in effect until the certificate for a repair station that is located in the United States is surrendered, suspended, or revoked.

d. The repair station specified on these operations specifications and located within the United States performs maintenance and/or an alteration of aircraft and/or aeronautical products to be installed on aircraft under the terms and conditions of the U.S./EU Safety Agreement, Annex 2, Maintenance, between the FAA and the EU.

e. The certificate holder is authorized to conduct the operations described in subparagraph a under the following other business names:

Able

AAS

Delegated authorities: None

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Michael G Moyer, Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: Name Change
[2] EFFECTIVE DATE: 12/23/2016, [3] AMENDMENT #: 7
DATE: 2016.12.23 10:23:07 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in black ink, appearing to read "Benson, Lee".

Benson, Lee, President

1-10-17

Date

A002 . Definitions and Abbreviations

HQ Control: 12/14/2017

HQ Revision: 05d

Unless otherwise defined in these operations specifications, all words, phrases, definitions, and abbreviations have identical meanings to those used in 14 CFR and 49 U.S.C., as cited in Public Law 103-272, as amended. Additionally, the definitions listed below are applicable to operations conducted in accordance with these operations specifications.

BASA	The Bilateral Aviation Safety Agreement (BASA) is an executive agreement concluded between the United States and a foreign country for the purpose of promoting aviation safety; also known as an Agreement for the Promotion of Aviation Safety.
Certificate Holder	In these operations specifications, the term "certificate holder" means the holder of the repair station certificate described in these operations specifications in Part A paragraph A001 and any of its officers, employees, or agents used in the conduct of operations under this certificate.
CAAS	Civil Aviation Authority of Singapore
CFR	Code of Federal Regulations
Class Rating	As used with respect to the certification, ratings, privileges of airframes, powerplants, propellers, radios, instruments, and accessories within a category having similar operating characteristics.
EASA	European Aviation Safety Agency
EASA Accountable Manager	The manager who has corporate authority for ensuring that all maintenance required by the customer can be financed and carried out to the standard required by the EASA full-member Authority.
EU	European Union
Exemption	An authorization that permits an alternate means of compliance with a specific CFR. The exemption must meet the procedural requirements of 14 CFR Part 11.
FOCA	Federal Office of Civil Aviation
FAA Accountable Manager	A person designated by the certificated repair station who is responsible for and has authority over all repair station operations that are conducted under 14 CFR Part 145, including ensuring that the repair station's personnel follow the regulations and serving as the primary contact with the FAA.

Geographic Authorization	Authorization provided to a repair station located outside the United States to perform maintenance support under contract for a U.S. air carrier (or an operator of U.S.- registered aircraft under 14 CFR Part 129) at a location other than the repair station's main facility. A geographic authorization is issued by the FAA to respond to a U.S. air carrier's or Part 129 foreign operator's need for maintenance at a station where the frequency and scope of that maintenance does not warrant permanently staffing and equipping the station for its accomplishment.
Limited Rating	A rating issued to repair stations for the performance of maintenance on particular makes and models of airframes, powerplants, propellers, radios, instruments, accessories, and/or parts.
Limited Ratings - Specialized Services	Rating issued for a special maintenance function when the function is performed in accordance with a specification approved by the Administrator.
Line Maintenance	Any unscheduled maintenance resulting from unforeseen events, or scheduled checks where certain servicing and/or inspections do not require specialized training, equipment, or facilities.
MAG	The Maintenance Annex Guidance (MAG) defines the process that the FAA and EASA undertake in the inspection, findings of compliance certification, and monitoring of repair stations, as well as their joint cooperation in quality assurance and standardization activities in support of the EASA Agreement, Annex 2, Maintenance. The term Maintenance Agreement Guidance (MAG) defines the processes and activities applicable to a specific country under an MIP, and is not associated with the EASA Agreement.
Maintenance	The inspection, overhaul, repair, preservation, and replacement of parts, but excludes preventive maintenance.
U.S./EU Aviation Safety Agreement, Annex 2, Maintenance	Annex 2 covers the reciprocal acceptance of findings of compliance, approvals, documentation and technical assistance regarding approvals and the monitoring of repair stations/maintenance organizations.
MIP	Maintenance Implementation Procedures (MIP) are procedures for implementing the provisions of a BASA that apply to maintenance performed under 14 CFR Part 145, Section 145.53(b).
MOE	A maintenance organization exposition (MOE) pertains to procedural manuals used by maintenance organizations certificated by a foreign country. The MOE along with the FAA Supplement, sets forth the structure and procedures of the repair station to meet the requirements of 14 CFR Part 145 under a MIP.

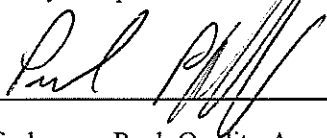
Preventive Maintenance	As defined in 14 CFR part 1 and part 43 appendix A, subparagraph (c).
QCM	Quality Control Manual
Repair Station located in the United States	A FAA certificated repair station located in the United States.
Repair Station located outside the United States	A FAA certificated repair station located outside of the United States.
RSM	Repair Station Manual

-
1. Issued by the Federal Aviation Administration.
 2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Michael G Moyer, Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: FAA Template Changed
[2] EFFECTIVE DATE: 10/24/2018, [3] AMENDMENT #: 6
DATE: 2018.10.24 18:39:18 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.



Pfaffenberger, Paul, Quality Assurance Manager 10/25/18
Date

A003 . Ratings and Limitations

HQ Control: 04/03/2017

HQ Revision: 01a

The certificate holder is authorized the following Ratings and/or Limitations:

Class Ratings

None authorized

Limited Ratings

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Airframe	Bell Helicopter Textron	206 All Series	None
	Bell Helicopter Textron	505	None
	Bell Helicopter Textron	407 All Series	None
	Bell Helicopter Textron	47, 204, 205, 212, 214, 222, 230, 412, 427, 430 All Series	Limited to: Components and component subassemblies.
	Airbus Helicopter	AS-350B2, AS-350B3	None
	Airbus Helicopter	BO-105, BK-117 All Series	Limited to: Components and component subassemblies.
	Airbus Helicopter	AS-350 All Series, 355 All Series	Limited to: Components and component subassemblies.
	United Technologies (Sikorsky Aircraft)	Model S-76	Limited to: Components and component subassemblies.
	Boeing	717, 727, 737, 747, 757, 767, 777 All Series	Limited to: Components and component subassemblies.
	Boeing/McDonald Douglas	DC-9, DC-10, MD-10, MD-11, MD-80, MD-90 All Series	Limited to: Components and component subassemblies.
Airframe	Bombardier	CL-600-2B16, CL-600- 2B19 (RJ-100, RJ-200, RJ-440 Series) All Series	Limited to: Components and component subassemblies.
	From the accepted Capability List, as amended.	From the Capability List, as amended.	Limited to: Components and component subassemblies.

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Engines	Rolls Royce (Allison)	250, 250-C All Series	Excluding: Overhaul and Hot Section Inspections (HSI)
	Safran/Turbomeca	Arriel 1D1, 2B, 2B1, 2D	Limited to Level one (1) maintenance as defined by the manufacture.
	Safran/Turbomeca	Arrius 2R	Limited to Level one (1) maintenance as defined by the manufacture.
	Pratt and Whitney	PT6B-36, 36A, 36B	Limited to: Components and component subassemblies.
	Honeywell International (Textron Lycoming)	LTS-101 All Series	Limited to: Components and component subassemblies.
	Honeywell International (Textron Lycoming)	LTP-101-600A-1A, LTP-101-700A-1A	Limited to: Components and component subassemblies.
Engines	From the accepted Capability List, as amended.	From the Capability List, as amended.	Limited to: Components and component subassemblies.
Accessories	From the accepted Capability List, as amended.	From the Capability List, as amended.	Limited to: Mechanical, Electrical or Electronic Accessories.
Rotor Blades	From the accepted Capability List, as amended.	From the Capability List, as amended.	None
Landing Gear Components	From the accepted Capability List, as amended.	From the Capability List, as amended.	None
Instruments	All	Altimeter and Altitude Encoding Devices	Limited to: Altimeter System Test and Inspections, In accordance with 14 CFR, Part 91.411 & Part 43 appendix "E" & "F" for small aircraft under 12,500 lbs. (excludes RVSM aircraft.)
Radio	All	Transponders	Limited to: Transponder System Test and Inspection, In accordance with 14 CFR Part 91.413 & Part 43, Appendix "F" for small aircraft under 12,500 lbs. (excludes RVSM aircraft.)
Nondestructive Inspection, Testing, and Processing	See Limitations	See Limitations	Liquid Penetrant Inspection (PT): Shall be in accordance with ASTM 1417 as revised for Type 1, Method C & D with sensitivity level 1-4 or as contained in a Civil or Military Specification.
			Magnetic Particle Inspection (MT): Shall be in accordance with ASTM 1444 as revised or as contained in a Civil or Military Specification.

<u>Rating</u>	<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
			Eddy Current Inspection (ET): as contained in a Civil or Military Specification.
			Ultrasonic Inspection (UT): Shall be in accordance with ASTM E114, E127, E164, E213, E317, E494, E587, E1901, E2192, E2373, E797/E797M or as contained in a Civil or Military Specification.
			Visual Inspection: as contained in a Civil or Military Specification.

Limited Ratings - Specialized Services

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Chemical Conversion Coating on Aluminum	MIL-DTL-5541, BHT-ALL-SPM, Chapter 3, / Para. 3-16, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Chemical Conversion Coating on Magnesium	BTH-ALL-SPM, Chapter 3, / Para. 3-15, item #2A as revised	
Chromic Anodization	IF-MA No. 826, MIL-A-8625, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Metal Plating	MIL-STD-865, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Solid Film Lubricant	MIL-PRF-46010, BHT-ALL-SPM Chapter 3, /Para. 3-20, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Passivation	ASTM-A-967, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Chrome Plating	AMS 2406 (AMS-QQ-C-320), as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Nickel Plating	AMS-QQ-N-290, Boeing BAC (5746), MIL-STD-868, AMS 2423, AMS 2424, AMS 2451 / 1, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Copper Plating	AMS 2418, (Boeing BAC 5625), as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Cadmium Plating	AMS-QQ-P-416, AMS 2451 / 4, AMS 2400 Airbus P.S. 01-02-02, BAC (5854), BHT-ALL-SPM, Chapter 3. Para. 3-17 & 3-18, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Silver Plating	ASTM B 700, AMS 2410, AMS 2412, AMS 2451 / 8, as revised	Repair limitations as contained in the referenced Civil or Military

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Gold Plating	AMS 2422, ASTM B 488, as revised	Specification. Repair limitations as contained in the referenced Civil or Military Specification.
Rhodium Plating	MIL-R-46085, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Tin Plating	ASTM B 545, ASTM B 339, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Ni Cad Plating	AMS 2416, SPOP 25, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Anodize	MIL-A-8625, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Hard Coating	AMS 2469, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Phosphate Coating (Type M)	MIL-DTL-16232, Boeing BAC 5810, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Shot Peening	AMS-S-13165, AMS 2430, AMS 2432 and Boeing BAC 5730, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Stress Relief	Sikorsky SS 8711, as revised	Repair limitations as contained in the referenced Civil or Military Specification.
Material Deposition, Cold Spray	MIL-STD-3021, as revised	Repair limitations as contained in the referenced Civil or Military Specification.

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Michael G Moyer, Principal Maintenance Inspector (WP07)

[1] SUPPORT INFO: Removal of Paint Aircraft Paint Rating

[2] EFFECTIVE DATE: 11/10/2020, [3] AMENDMENT #: 40

DATE: 2020.11.10 13:10:46 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

A handwritten signature in cursive script that reads "Aaron Harvey".

Aaron Harvey, Quality Manager

A handwritten date in cursive script that reads "11/20/2021".

Date

A004 . Summary of Special Authorizations and Limitations

HQ Control: 09/23/1998

HQ Revision: 010

a. The certificate holder, in accordance with the reference paragraphs, is authorized to:

	Reference Paragraphs
Use an acceptable electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025
Conduct operations choosing to have an antidrug and alcohol misuse prevention program.	A449
Perform work, excluding continuous operations, at additional locations other than at its primary Fixed Location.	D100

b. The certificate holder is *not authorized and shall not:*


	Reference Paragraphs
Use Exemptions.	A005
Perform maintenance with ratings for repair stations located outside the United States under a Bilateral Aviation Safety Agreement with Maintenance Provisions.	A060
Perform work, including continuous operations, at additional locations other than at its primary fixed location.	A101
Perform maintenance in accordance with foreign repair station geographic authorizations.	B050
Perform line maintenance for cert. holders conducting operations under Parts 121 and 135 and for foreign carriers/persons operating non-U.S. registered aircraft in common carriage under Part 129, apart from D100 which authorizes that work away from station.	D107

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Michael G Moyer, Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: CH removed the Additional Location Facility
[2] EFFECTIVE DATE: 10/6/2020, [3] AMENDMENT #: 9
DATE: 2020.10.06 19:08:51 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.



Aaron Harvey, Quality Manager

10/29/2020
Date

A007 . Designated Persons

HQ Control: 12/19/2006

HQ Revision: 030

- a. The personnel listed in the following table are designated to officially apply for and receive operations specifications for the certificate holder indicated below.

Table 1 – Designated Persons to Apply for and Receive Authorizations

Title	Name	Parts Authorized
Director of Quality Assurance / Quality Manager	Harvey, Aaron	A,D
FAA Accountable Manager, 145 / General Manager	King, Jennifer	A,D
EASA Accountable Manager, 145 / General Manager	King, Jennifer	A,D

- b. The following personnel listed in Table 2 are designated by the certificate holder to receive Information for Operators (INFO) messages for the certificate holder as indicated below. A receipt for the information by an operator or person is not required.

Table 2 – Designated to Receive INFO Messages

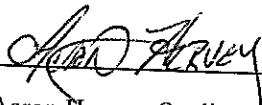
Name	Email Address	Telephone No.	Type of Information to Receive
Aaron Harvey	Aaron.Harvey@ableengineering.com	602-304-7227	ALL
Ryan Banasek	Ryan.Banasek@ableengineering.com	602-304-1227	ALL

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Michael G Moyer, Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: Change in Accountable Manager
[2] EFFECTIVE DATE: 10/20/2020, [3] AMENDMENT #: 10
DATE: 2020.10.20 11:17:50 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.



Aaron Harvey, Quality Manager

10/29/2020

Date

**A025 . Electronic/Digital Recordkeeping System,
Electronic/Digital Signature, and Electronic Media**

HQ Control: 04/03/2017

HQ Revision: 00b

a. The certificate holder is authorized to use an acceptable electronic/digital recordkeeping system, described and/or referenced in this paragraph (if none, enter N/A.)

RSM Section I.13

b. The certificate holder is authorized the use of the following electronic/digital signature procedures (if none, enter "N/A").

RSM Section I.13

c. The certificate holder is authorized to use electronic media for the repair station and quality control manuals, if acceptable (if none, enter "N/A").

RSM Section I.13

1. Issued by the Federal Aviation Administration.
2. These Operations Specifications are approved by direction of the Administrator.

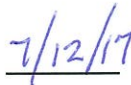


Digitally signed by Michael G Moyer, Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: FAA Template Change
[2] EFFECTIVE DATE: 7/5/2017, [3] AMENDMENT #: 4
DATE: 2017.07.05 12:16:10 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.



Pfaffenberger, Paul, Quality Assurance Manager



Date

A449 . Antidrug and Alcohol Misuse Prevention Program

HQ Control: 07/17/2009

HQ Revision: 00a

- a. The Part 145 repair station certificate holder has elected to implement an Antidrug and Alcohol Misuse Prevention Program, because the certificate holder performs safety-sensitive functions for a 14 CFR Part 121, and 135 certificate holder and/or for a 14 CFR Part 91 operator conducting operations under Section 91.147.
- b. The certificate holder certifies that it will comply with the requirements of 14 CFR Part 120 and 49 CFR Part 40 for its Antidrug and Alcohol Misuse Prevention Program.
- c. Antidrug and Alcohol Misuse Prevention Program records are maintained and available for inspection by the FAA's Drug Abatement Compliance and Enforcement Inspectors at the location listed in Table 1 below:

Table 1

Location & Telephone of Antidrug and Alcohol Misuse Prevention Program Records:	
Telephone Number:	A3 (CNQA)
Address:	
Address:	
City:	
State:	
Zip code:	

d. Limitations and Provisions.


- (1) Antidrug and Alcohol Misuse Prevention Program inspections and enforcement activity will be conducted by the Drug Abatement Division. Questions regarding these programs should be directed to the Drug Abatement Division.
- (2) The certificate holder is responsible for updating this operations specification when any of the following changes occur:
 - (a) Location or phone number where the Antidrug and Alcohol Misuse Prevention Program Records are kept.
 - (b) If the certificate holder's number of safety-sensitive employees goes to 50 and above, or falls below 50 safety-sensitive employees.
- (3) The certificate holder with 50 or more employees performing a safety-sensitive function on January 1 of the calendar year must submit an annual report to the Drug Abatement Division of the FAA.
- (4) The certificate holder with fewer than 50 employees performing a safety-sensitive function on January 1 of any calendar year must submit an annual report upon request of the Administrator, as specified in the regulations.

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Michael G Moyer, Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: Changed from A1 to A3 per Operators request
[2] EFFECTIVE DATE: 3/12/2019, [3] AMENDMENT #: 7
DATE: 2019.03.12 15:44:12 -05:00

3. I hereby accept and receive the Operations Specifications in this paragraph.



Pfaffenberger, Paul, Quality Assurance Manager 3/21/19
Date

D100 . Work to be Performed at a Place Other Than the Repair Station Fixed Location(s) HQ Control: 11/16/2004
HQ Revision: 050

- a. The certificate holder may perform work at a place other than its Fixed Location (as listed in paragraph A001, and paragraph A101 if issued, of these operations specifications) provided it has the facilities, material, equipment and technical personnel to perform the work authorized in the following table.

Table 1

Work Authorized	Repair Stations Manual References	Quality Control Manual References
Work for which the repair station is rated.	RSM Section I.08	N/A

- b. The certificate holder **may not** perform **continuous** operation at a facility other than the station's Fixed Location listed in paragraph A001, and paragraph A101 if issued.
- c. Line Stations. Privileges of a line station, as set forth by the EASA certificate and scope of work and located within the country where the main facility is domiciled are listed in Table 1 are authorized.
- d. Work may be due to a special circumstance or on a recurring basis. If on a recurring basis, the repair station must have procedures in its manual.

1. The Certificate Holder applies for the Operations in this paragraph.
2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Michael G Moyer, Principal Maintenance Inspector (WP07)
[1] SUPPORT INFO: Name Change & Corrected References
[2] EFFECTIVE DATE: 12/23/2016, [3] AMENDMENT #: 4
DATE: 2016.12.23 10:27:01 -06:00

3. I hereby accept and receive the Operations Specifications in this paragraph.

Benson, Lee, President

1-10-17

Date