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Part A

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**A001 . Issuance and Applicability**

**HQ Control: 02/11/2016**

**HQ Revision: 05e**

a. These operations specifications are issued to Southern Air Repair Corporation, 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:  
3396 Anderson Road  
Greenville, South Carolina 29611-7626

b. The holder of these operations specifications is the holder of certificate number S00R851N 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 use only the business name which appears on the certificate to conduct the operations described in subparagraph a.

Delegated authorities: None

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



Digitally signed by Daryl L. McMillan, Principal Maintenance Inspector (SO13)  
[1] EFFECTIVE DATE: 1/22/2019, [2] AMENDMENT #: 14  
DATE: 2019.01.22 09:40:28 -06:00

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

A handwritten signature in cursive script, appearing to read "Scott Patterson", written over a horizontal line.

1/22/2019

Patterson, Scott, FAA Accountable Manager, 145

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.

<b>BASA</b>	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.
<b>Certificate Holder</b>	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.
<b>CAAS</b>	Civil Aviation Authority of Singapore
<b>CFR</b>	Code of Federal Regulations
<b>Class Rating</b>	As used with respect to the certification, ratings, privileges of airframes, powerplants, propellers, radios, instruments, and accessories within a category having similar operating characteristics.
<b>EASA</b>	European Aviation Safety Agency
<b>EASA Accountable Manager</b>	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.
<b>EU</b>	European Union
<b>Exemption</b>	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.
<b>FOCA</b>	Federal Office of Civil Aviation
<b>FAA Accountable Manager</b>	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.

<b>Geographic Authorization</b>	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.
<b>Limited Rating</b>	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.
<b>Limited Ratings - Specialized Services</b>	Rating issued for a special maintenance function when the function is performed in accordance with a specification approved by the Administrator.
<b>Line Maintenance</b>	Any unscheduled maintenance resulting from unforeseen events, or scheduled checks where certain servicing and/or inspections do not require specialized training, equipment, or facilities.
<b>MAG</b>	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.
<b>Maintenance</b>	The inspection, overhaul, repair, preservation, and replacement of parts, but excludes preventive maintenance.
<b>U.S./EU Aviation Safety Agreement, Annex 2, Maintenance</b>	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.
<b>MIP</b>	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).
<b>MOE</b>	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

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[1] EFFECTIVE DATE: 1/22/2019, [2] AMENDMENT #: 11  
DATE: 2019.01.22 09:44:05 -06:00

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

Handwritten signature of Scott Patterson in black ink.

1/22/2019

Patterson, Scott, FAA Accountable Manager, 145      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**

<b><u>Rating</u></b>	<b><u>Manufacturer</u></b>	<b><u>Make/Model</u></b>	<b><u>Limitations</u></b>
Accessories	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Accessory authorization is limited to inspections, repair and balance of units identified in the Southern Air Repair Corporation, FAA accepted Capability list # SAR-CAP-001 Dated July 10, 1997, as revised. Work shall be accomplished in accordance with the customers Air Carrier Manual or other FAA Approved Data.
Landing Gear Components	From the accepted Capability List, as amended.	From the accepted Capability List, as amended.	Accessory authorization is limited to inspections and repair of units identified in the Southern Air Repair Corporation, FAA accepted Capability list # SAR-CAP-001 Dated July 10, 1997, as revised. Work shall be accomplished in accordance with the customers Air Carrier Manual or other FAA Approved Data.

**Limited Ratings - Specialized Services**

<b><u>Rating</u></b>	<b><u>Specifications</u></b>	<b><u>Limitations</u></b>
Welding	MIL-STD-2219 AMS-STD-1595 AMS-STD-2219 AWS-D17.1	Repair limitations as contained in the referenced Civil or Military Specification.
NDT Liquid Penetrant	ASTM E 1417, As Revised	Use the methods, techniques, and practices prescribed in the current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.
Magnetic Particle	ASTME 1444, As Revised	Use the methods, techniques, and practices prescribed in the

<u>Rating</u>	<u>Specifications</u>	<u>Limitations</u>
Inspection		current manufacturers maintenance manual or Instructions for Continued Airworthiness, or other methods, techniques, and practices acceptable to the Administrator.
Plasma Spray Deposition Coatings	AMS 2437, As Revised MIL-STD-1884, As Revised Hamilton Sundstrand SPM ATA-24-10-00, As Revised	Repair limitations as contained in the referenced Civil or Military Specification, as revised.
Chemical Conversion Coating	MIL-C-5541, As Revised MIL-DTL-5541, As Revised	Repair limitations as contained in the referenced Civil or Military Specification, as revised.
Magnesium Dichromate Chemical Film Coating	AMS-M-3171, TYPE VI, As Revised	Repair limitations as contained in the referenced Civil or Military Specification, as revised.
Cold Spray Deposition Coating	MIL-STD-3021, as revised. Honeywell International Specification No. RPS4211, as revised. Hamilton Sundstrand / UTC SPM ATA 24-10-00, as revised.	Repair limitations as contained in the referenced Civil or Military Specification.
Selective Brush Plating, Cadmium	MIL-STD-865 & AMS 2451, as revised.	Repair limitations as contained in the referenced Civil or Military Specification.
Selective Brush Plating, Zinc Nickel	MIL-STD-865 & AMS2451, as revised.	Repair limitations as contained in the referenced Civil or Military Specification.



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



Digitally signed by Daryl L. McMillan, Principal Maintenance Inspector (SO13)  
[1] EFFECTIVE DATE: 4/2/2019, [2] AMENDMENT #: 19  
DATE: 2019.04.02 10:27:17 -05:00

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

Handwritten signature of Scott Patterson in black ink.

4/2/2019

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Patterson, Scott, FAA Accountable Manager, 145

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Date

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**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
Conduct operations choosing to have an antidrug and alcohol misuse prevention program.	A449

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

	Reference Paragraphs
Use Exemptions.	A005
Use an acceptable electronic recordkeeping system, electronic/digital signature, and/or electronic media.	A025
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 work, excluding continuous operations, at additional locations other than at its primary Fixed Location.	D100
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

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Digitally signed by Daryl L. McMillan, Principal Maintenance Inspector (SO13)  
[1] EFFECTIVE DATE: 1/22/2019, [2] AMENDMENT #: 9  
DATE: 2019.01.22 09:47:56 -06:00

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

A handwritten signature in black ink, appearing to read "Scott Patterson", written over a horizontal line.

1/22/2019

Patterson, Scott, FAA Accountable Manager, 145

Date

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**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
FAA Accountable Manager, 145	Patterson, Scott	A
EASA Accountable Manager, 145	Patterson, Scott	A

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
Scott Patterson	scott.patterson@southernairrepair.com	864-295-8849	ALL

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2. These Operations Specifications are approved by direction of the Administrator.



Digitally signed by Daryl L McMillan, Principal Maintenance Inspector (SO13)

[1] EFFECTIVE DATE: 1/22/2019, [2] AMENDMENT #: 13

DATE: 2019.01.22 09:49:53 -06:00

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

11/22/2019

Patterson, Scott, FAA Accountable Manager, 145

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**

<b>Location &amp; Telephone of Antidrug and Alcohol Misuse Prevention Program Records:</b>	
<b>Telephone Number:</b>	A1
<b>Address:</b>	3396 Anderson Road
<b>Address:</b>	N/A
<b>City:</b>	Greenville
<b>State:</b>	SC
<b>Zip code:</b>	29611-7626

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.

The certificate holder has fewer than 50 safety-sensitive employees.

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[1] EFFECTIVE DATE: 1/22/2019, [2] AMENDMENT #: 9  
DATE: 2019.01.22 09:52:54 -06:00

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

Handwritten signature of Scott Patterson in black ink.

1/22/2019

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Patterson, Scott, FAA Accountable Manager, 145

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Date

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