#### SOUTH AFRICAN



### AIRCRAFT MAINTENANCE ORGANISATION APPROVAL CERTIFICATE

in terms of the **CIVIL AVIATION REGULATIONS, 2011.** 

AMO NUMBER:

1072

**EXPIRY DATE:** 

31/07/2023

AMO CATEGORY RATING:

C

NDT

NAME OF CERTIFICATE HOLDER:

Standard Aero Limited

D

PHYSICAL ADDRESS OF

CERTIFICATE HOLDER:

Standard Aero Limited 33, Allen Dyne Road

R3H1A1 Winnipeg Manitoba

CANADA

COMPANY REGISTRATION:

R104986575

The organisation is hereby authorised to operate as an Aircraft Maintenance Organisation. The Operations Specification (Ops Specs) is attached hereto as part of the approval issued to the above organisation and should be treated as part of the legal requirements. The organisation may only exercise privileges as stipulated in its specific operating specifications.

I hereby certify that the holder of this certificate of approval has been duly approved in accordance with part 145 of the South African Civil Aviation Regulations, 2011. This certificate shall continue in effect unless cancelled, suspended, revoked or expired. This certificate is not transferable.



For: DIRECTOR OF CIVIL **AVIATION** 

SIMON SEGWABE Executive Aviation Safety Operations (ASO)

NAME IN BLOCK LETTERS

27/07/2022

DATE OF ISSUE

CA 145-C-01

03 FEBRUARY 2020

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SOUTH AFRICAN



Section/division Telephone number: Physical address

Postal address:

AIRWORTHINESS: AIRCRAFT MAINTENANCE ORGANISATION

00 *Email:* airworthiness@caa.co.za

Form Number: CA 145-19a

Ikhaya Lokundiza, 16 Treur Close, Waterfall Park, Bekker Street, Midrand, Gauteng Private Bag X73, Halfway House 1685 Website: www.caa.co.za

### OPERATIONS SPECIFICATIONS FOR AIRCRAFT MAINTENANCE ORGANISATIONS

Name of O	rganisatio	on	Standard A	ero Lim	ited								
Approval I	Number	SAC 72	AA.OPSSPI	EC.10	Opspecs	Revision s	tatus	4					
PART A	TABLE	OF CC	ONTENTS, L	INGS AUTH	ORITY								
Table of Contents			List of effective Pages	Page :	revision	Effective	date	Authorized	Unauthorized or N/A				
Table of Co & Rating a	uthority	EP's	Page 1		4	08/07/2	022	Х					
Definitions abbreviatio			Page 2					Х					
Category A	-Ratings		Page 3						X				
Category B	-Ratings		Page 4						X				
Category C	-Ratings		Page 5		4	08/07/2	022	Χ					
Category D	-Ratings		Page 6		4	08/07/2	022	Χ					
Category E	-Ratings		Page 7						X				
Category V	/-Ratings		Page 8						X				
Category X	-Ratings		Page 9						X				
Limited Rat	ting		Page 10		4	08/07/2	022	Χ					
Exemption and deviation Authority			Page 11						Х				
Satellite Fa		ine.	Page 12						X				
Notes:													
							Approved N	Maintenance	Organisation				
del	Certificate, and are in effect as of the Effective Date.  b The Opspecs may be customised to better suit the organisation approval. This may be done by deleting all sections that are not applicable; however Part A of this Opspecs has to account for these Ratings as not applicable.												
abi	de and co	mply w	ith the limita	ations a	s imposed.	The Directo	r of Civil A		irmation to ves the right to warrant such.				
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PART B	DEFINITIONS AND ABBREVIATIONS
abbreviations ha Aviation Act, as	e defined in these operation specifications provisions, all words, phrases, definitions, and live identical meanings to those used in the South African Civil Aviation Regulations and Civil amended. Additionally, the definitions listed below are applicable to operations conducted in these operations specifications provisions.
AMO	Aircraft Maintenance Organisation
AMP	Aircraft Maintenance Programme
SACAA	South African Civil Aviation Authority
CAR	Civil Aviation Regulations
MOP	Manual of Procedure
Certificate Hold	In these operation specifications provisions the term "certificate holder" shall mean the holder of an aircraft maintenance organisation certificate, issued in terms of Part 145 of the South African Civil Aviation Regulations of 2011 as amended.
Rating	Means an authorization entered on or associated with an AMO approval and forming part of such approval, stating special conditions, privileges or limitations relating to such approval. Privileges are defined in CAR 145.
Maintenance	Means the performance of tasks required to ensure the continuing airworthiness of an aircraft, including any one or combination of overhaul, inspection, replacement, defect rectification, and the embodiment of a modification or repair.
Category	Classification of aircraft maintenance activities into airframe maintenance (Cat 'A), Airframe components, equipment and accessories maintenance (Cat 'B'), engines onwing maintenance (Cat. 'C'), engine/components overhaul (Cat 'D'), Maintenance on rotorcraft and their engines (Cat 'E'), aircraft avionic installations (Cat 'W' class 1, 2 & 3), avionic equipment overhaul (Cat. 'X', class 1, 2 & 3), propeller (class X4), and welding processes (class X5).
Deviation Authority	An authorisation that permits an alternate means of compliance with CAR. The deviation authority must meet the procedural requirements of SA-CAR Part 11.
Limitation	A restriction imposed on the corresponding rating based on the AMO capability.
Limited Rating	Rating issued to an AMO that maintains or repairs only a particular type of radio, instrument, or accessory, or part thereof, or performs only specialized maintenance requiring equipment and skills not ordinarily performed under other AMO ratings. Such a rating may be limited to a specific model or constituent part, or to any number of parts made by a particular manufacturer and shall be restricted to those items listed on an approved capability listing as defined in CAR 145.01.6 (h)
Capability List	A document compiled by the AMO and approved by the SACAA, which details a comprehensive list of all the components/equipment that the AMO is capable of maintaining.
	<u>Note</u> : This list is mandatory for category 'B', 'D' and 'X', unless such list of components and repair limitations can be accommodated in the space provided.
Special processes	A set of interrelated or interacting activities which transforms inputs into outputs.
Satellite Facility	an integral part of the organization
Line Station	For the purpose of this document, means any maintenance facility that is utilized to perform any action that is mandatory, or is required to be performed on an aircraft for the purposes of a turn around, or a route check, or a transit check and is limited to defects rectification repairable by replacement of line replaceable units.
Class	Means classes of aircraft, engines and items of equipment as defined in SA-CATS-145.01.7.6

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#### PART C CATEGORY A – RATINGS

#### LIMITATIONS OF CAT A RATING MAY BE AS FOLLOWS:

- 1. Release to Service (Full): All the listed below
- 2. Certify as per AMP: Can only certify work accomplished as stipulated in the AMP (Limited to A,B or C checks or block checks or MPI's only)
- **3.** Certify assembly: Can only certify assembly of an aircraft airframe with any adjustment or minor modification on that airframe
- **4. Certify installation**: Can only replace or install completed subassemblies/equipment/components on the airframe

5. Certify safe for flight: Can only release for a test or ferry flight.

CLAS	3	MANUFACTURER	MAKE/MODEL	LIMITATIONS

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### PART D CATEGORY B – RATINGS

#### LIMITATIONS OF CAT B RATING MAY BE AS FOLLOWS:

- 1. Release to Service (Full): All the listed below
- 2. **Certify Overhaul**: Can only certify overhaul, repair and modifications on airframe components as per the Capability list. This does not include D, X and W rating items.
  - 3. Certify manufacturer: Certify components and parts manufactured in accordance with the appropriate approved specifications as prescribed in Part 21, if the manufacturing of the components and parts is necessary for the holder of the approval to complete a repair, modification or overhaul on a particular airframe component. This does not include D, X and W rating components. (This will be covered by the Capability List as well).

CLASS	MANUFACTURER	MAKE/MODEL	LIMITATIONS	CAPABILITY LIST

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#### **PART F**

#### **CATEGORY D - RATINGS**

#### LIMITATIONS OF CAT D RATING MAY BE AS FOLLOWS:

- 1. Release to Service (Full): All the listed below
- 2. **Certify Overhaul:** Can only certify overhaul, repair and modifications on an Engine and/or engine accessories as per the Capability list. This does not include B, X and W rating components. (All Avionic and Electrical components).
- 3. **Certify manufacturer:** certify components and parts manufactured in accordance with the appropriate approved specifications as prescribed in <u>part 21</u>, if the manufacturing of the components and parts is necessary for the engine type on the certificate holder's approval, in order to complete a repair, modification or overhaul on a particular engine. this does not include B, X and W rating components. (This will be covered by the capability list as well).

CLASS	MANUFACTURER	MAKE/MODEL	LIMITATIONS	CAPABILITY LIST
05	CFM International	CFM 56 Series	Release to Service (Full)	SAL QA F 4.2.1-9- 1
	General Electric (GE)	CF 34 Series	Release to Service (Full)	SAL QA F 4.2.1-9- 1
	Pratt & Whitney Canada	PT6T	Release to Service (Full)	SAL QA F 4.2.1-9- 1
	Rolls Royce	M250 Series	Release to Service (Full)	SAL QA F 4.2.1-9- 1
		RR 300	Release to Service (Full)	SAL QA F 4.2.1-9- 1

I hereby accept the conditions and limitations set forth in this approval as stated and contained in this paragraph.

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### PART G CATEGORY E – RATINGS

#### LIMITATIONS OF CATE RATING MAY BE AS FOLLOWS:

- 1. Release to Service (Full): All the listed below
- 2. Certify as per AMP: Can only certify work accomplished as stipulated in the AMP (Limited to A, B or C checks or block checks or MPI's only, this would be specific to the Rotorcraft)
- 3. **Certify assembly**: Can only certify the assembly of Rotorcraft with any adjustment or minor modification on that Rotorcraft.
- **4. Certify installation**: Can only replace or install completed subassemblies/equipment/components. This does not include X and W rating components.

**5. Certify safe for flight**: Can only release for a test or ferry flight.

CLASS	MANUFACTURER	MAKE/MODEL	LIMITATIONS

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#### PART H CATEGORY W – RATINGS

#### LIMITATIONS OF CAT W RATING MAY BE AS FOLLOWS:

- 1. Release to Service (Full): All the listed below
- 2. Certify as per AMP: Can only certify work accomplished as stipulated in the AMP (Limited to A, B or C checks or block checks or MPI's only, this would be specific to the Aircraft, Engine or Rotorcraft)
- 3. **Certify minor maintenance**: Can only certify adjustment or minor modification on those specific W rating components and W rating work on aircraft. The approval will be limited to specific aircraft and engine types, and those specific components that can be covered by the Organisation approval. (This will be covered by the Capability List as well)

4. Certify installation: Can only replace or install completed subassemblies.

CLASS	MANUFACTURER	MAKE/MODEL	LIMITATIONS

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PARTI	CATEGORY X – RATINGS
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#### LIMITATIONS OF CAT X RATING MAY BE AS FOLLOWS:

- 1. Release to Service (Full): All the listed below
- 2. **Certify Overhaul**: Can only certify overhaul, repair and modified Airframe, Rotorcraft and Engine components as per the Capability list. These are X rating components only. (All Avionic and Electrical components).
- 3. Certify manufacturer: Certify components and parts manufactured in accordance with the appropriate approved specifications as prescribed in <a href="Part 21">Part 21</a>, if the manufacturing of the components and parts is necessary for the holder of the approval to complete a repair, modification or overhaul on a particular component/ subassembly/ aircraft/ engine. This does not include B and D rating components. (This will be covered by the Capability List as well).

CLASS	MANUFACTURER	MAKE/MODEL	LIMITATIONS	CAPABILITY LIST
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### **PART**

#### **LIMITED RATINGS**

For specialised services the operations specifications must contain the specification used to perform the specialized services the operations specimentons must contain the specimenton used to perspecialized service. The specification may be—

1. A civil or military specification currently used by industry and approved by the Director; or

2. A specification developed by the applicant and approved by the Director.

PROCESS	DESCRIPTION	REFERENCE STANDARD	LIMITATIONS
(Cleaning)	Chemical Cleaning	OEM Requirements	As per Updated
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(Cleaning)	Chemical stripping	OEM Requirements	As per Updated
(5			Company Index
(HEAT TREATMENT)	Heat treatment	OEM Requirements	As per Updated
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(PLASMA SPRAY)	Metalizing	OEM Requirements	As per Updated Company Index
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(P)	Plating	OEM Requirements	Company Index
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(X5(Welding))	Welding	AWS D17.1	Company Index
(X5(Welding))	Percussion Stud Welding	AWS C5.4	As per Updated
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(X5(Welding))	Resistance Welding	AWS D17.2/AWS D17.2M	As per Updated
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(X5(Welding))	Torch Brazing	AWS C3.4	As per Updated
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	Flourescent Penetrant		Company Index
(NDT)	Inspection	AMS 2647	As per Updated Company Index
	Inspection		As per Updated
(NDT)	Magnetic Particle Inspection	ASTM-E-1444/AMS 2641	Company Index
(1.17-1)			As per Updated
(NDT)	Radiography	ASTM-E-1742/E94	Company Index
(NIDT)	1.116	AOTM E 4040	As per Updated
(NDT)	Ultrasonic Inspection	ASTM E 1316	Company Index
hereby accept the cond	tions and limitations set forth in	this approval as stated and co	ntained in this

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#### PART K **EXEMPTION & DEVIATION AUTHORITY** The certificate holder is authorised to perform operations in accordance with the provisions, conditions, and/or limitations set forth in the following deviations listed in the table below. **DEVIATION DATE OF INCEPTION DATE OF TERMINATION REMARKS/REFERENCE**

**DESCRIPTION** 

I hereby accept the paragraph.	ne conditions and lir	mitations set forth in this approval	as st	tated a	and containe	d in	this
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PART L	SATELLITE FACILITIES & LINE STATION RATINGS										
PHYSICAL LOCATION (Address)	CATEGORY/CLAS S	MANUFACTURER	MAKE/MODEL	LIMITATIONS	EXPIRY DATE						

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