

# APPROVAL

It is hereby certified that the company

**STANDARDAERO LIMITED (5054530)**  
**20699 WESTMINSTER HIGHWAY**  
**V6V 1B3 RICHMOND - CANADA**

is qualified for following  
**SPECIAL PROCESSES**

- Eddy Currents detection of low frequency and high frequency defects
- Magnetic testing (MT)
- Tapping
- Swaging of bearings and ball joints
- Fitting
- Non-Structural bonding
- Installation of rosan studs and bushes
- Chemical conversion (Touch up)
- Penetrant testing (PT)
- Surface preparation before penetrant testing
- ***Paint detail parts metals***
- ***Varnish metals***
- ***Plastic media stripping***

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This qualification is granted under  
the conditions and restrictions defined in appendix 1

**Special Processes Management**

**MRO Worldwide Network – S&S**

## RECORD OF REVISIONS

Issue	Modified by	Description of Change / modified pages	Date of change
-	E. GEREONE ETXLL	Qualification of the special processes below for the MRO activities only : <ul style="list-style-type: none"> <li>- <b>Eddy Currents detection of low frequency and high frequency defects</b> (p.3)</li> <li>- <b>Magnetic testing (MT)</b> (p.4)</li> <li>- <b>Tapping</b> (p.5)</li> </ul>	19.04.2022
A	E. GEREONE ETXLL	Qualification of the special processes below for the MRO activities only : <ul style="list-style-type: none"> <li>- <b>Swaging of bearings and ball joints</b> (p.6)</li> <li>- <b>Fitting</b> (p.7)</li> <li>- <b>Non-Structural bonding</b> (p.8)</li> <li>- <b>Installation of rosan studs and bushes</b> (p.9)</li> <li>- <b>Chemical conversion (Touch up)</b> (p.10)</li> </ul>	19.05.2022
B	E. GEREONE ETXLL	Qualification of the following special processes for MRO activities : <ul style="list-style-type: none"> <li>- <b>Penetrant testing (PT)</b> (p.11)</li> <li>- <b>Surface preparation before penetrant testing</b> (p.12)</li> </ul>	13.11.2023
C	E. GEREONE ETXLL	Qualification of the following special processes for MRO activities : <ul style="list-style-type: none"> <li>- <b>Paint detail parts metals</b> (p.13)</li> <li>- <b>Varnish metals</b> (p.14)</li> <li>- <b>Plastic media stripping</b> (p.15)</li> </ul>	05.12.2023

# APPENDIX 1

## SPECIAL PROCESS : EDDY CURRENTS DETECTION OF LOW FREQUENCY AND HIGH FREQUENCY DEFECTS

### Performed in accordance with the following documents :

#### Airbus Documentation :

- EI070-09-047 Non destructive testing by the eddy current method

### With the following resources :

Device: Nortec 600S - SN 60002161073

### This Qualification is based on the following results :

- Qualification program ETL-2018-0246-Ind G
- Documentation analysis N/A
- Qualification audit report 21-AHE-00014886
- Action plan AP\_21-AHE-00014886
- AH test report N/A

### The Qualification is subject to the following specific conditions :

- Safety classes : Critical (CR), Important (IM), Structural (ST) and Not Structural (NS) parts according EP04-06.
- Design applicability : AH according HS5011.

### Restrictions :

Only MRO activities

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.

# APPENDIX 1

## SPECIAL PROCESS :        MAGNETIC TESTING (MT)

### Performed in accordance with the following documents :

#### Airbus Documentation :

- EI070 09-011                      Magnetic particle inspection rules
- EI078 10-014                      Magnetic particle testing

### With the following resources :

Magnetic Bench: M3 DCM Tech SN: 36621

### This Qualification is based on the following results :

- Qualification program        ETL-2018-0246-Ind G
- Documentation analysis      N/A
- Qualification audit report    21-AHE-00014886
- Action plan                      AP\_21-AHE-00014886
- AH test report                  N/A

### The Qualification is subject to the following specific conditions :

Safety classes :                      Critical (CR), Important (IM), Structural (ST) and Not Structural (NS)  
parts according EP04-06.

Design applicability :                AH/AHD according HS5011.

### Restrictions :

Only MRO activities

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# APPENDIX 1

**SPECIAL PROCESS : TAPPING**

**Performed in accordance with the following documents :**

**Airbus Documentation :**

- EI070 10-118                      Sound inspection or tapping test

**With the following resources :**

- N/A

**This Qualification is based on the following results :**

- Qualification program        ETLL-2018-0246-Ind G
- Documentation analysis      N/A
- Qualification audit report    21-AHE-00014886
- Action plan                      AP\_21-AHE-00014886
- AH test report                 N/A

**The Qualification is subject to the following specific conditions :**

- Safety classes :                      Critical (CR), Important (IM), Structural (ST) and Not Structural (NS)  
parts according EP04-06.
- Design applicability :                AH according HS5011.

**Restrictions :**

Only MRO activities

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.

# APPENDIX 1

## SPECIAL PROCESS : SWAGING OF BEARINGS AND BALL JOINTS

### Performed in accordance with the following documents :

#### Airbus Documentation :

- EI042 IFMA-340 Installation and swaging of ball joints and bearings
- EI042 IFMA-340-10 General instructions for bearing and ball joint installation and crimping
- EI042 IFMA-340-20 Notch or ball crimping EI042 IFMA-340-30 Swaging with intermediate ring and inserted washer
- EI042 IFMA-340-40 Grooved bearing spin crimping
- EI042 IFMA-340-50 Installation and crimping of spherical bearings with intermediary rivet and inserted washers
- EI042 IFMA-340-60 Swaging of groove-type bearings by punching
- EI042 IFMA-340-70 Installation and swaging of ball joints with intermediate rivet
- EI045 34-5661 Swage self aligning bearings

### With the following resources :

- Oven – S/N 143520

### This Qualification is based on the following results :

- Qualification program ETL-2018-0246-Ind G
- Documentation analysis N/A
- Qualification audit report 21-AHE-00014672
- Action plan AP\_21-AHE-00014672
- AH test report N/A

### The Qualification is subject to the following specific conditions :

- Safety classes : Critical (CR), Important (IM), Structural (ST) and Not Structural (NS) parts according EP04-06.
- Design applicability : AH/AHD according HS5011.

### Restrictions :

Only MRO activities

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.

# APPENDIX 1

**SPECIAL PROCESS : FITTING**

**Performed in accordance with the following documents :**

**Airbus Documentation :**

- EI042 IFMA 169 Interference fitting processes for assembling components
- EI049 05-M-0001 Application of interposition product against galvanic corrosion according ECS7009
- IGC 04-63-100 Qualification of heat treatment and curing installations
- IGC 04-63-105 Periodic inspection of heat treatment and polymerization installations

**With the following resources :**

- N/A

**This Qualification is based on the following results :**

- Qualification program ETLL-2018-0246-Ind G
- Documentation analysis N/A
- Qualification audit report 21-AHE-00014672
- Action plan AP\_21-AHE-00014672
- AH test report N/A

**The Qualification is subject to the following specific conditions :**

- Safety classes : Critical (CR), Important (IM), Structural (ST) and Not Structural (NS) parts according EP04-06.
- Design applicability : AH according HS5011.

**Restrictions :**

Only MRO activities

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.

# APPENDIX 1

## SPECIAL PROCESS : NON-STRUCTURAL BONDING

### Performed in accordance with the following documents :

#### Airbus Documentation :

- EI041 IFMA-328                      Surface preparation of material before bonding
- EI041 IFMA-328-20                Surface preparation of composite materials before bonding
- EI042 IFMA-328-10                Surface preparation of metallic materials before bonding
- EI041 IFMA-173                    Bonding with araldite aw 106
- EI021 DHN1-019                    Non-Structural bondings

### With the following resources :

- Oven – S/N 001408

### This Qualification is based on the following results :

- Qualification program            ETLL-2018-0246-Ind G
- Documentation analysis        N/A
- Qualification audit report      21-AHE-00014672
- Action plan                        AP\_21-AHE-00014672
- AH test report                    N/A

### The Qualification is subject to the following specific conditions :

- Safety classes :                      Critical (CR), Important (IM), Structural (ST) and Not Structural (NS) parts according EP04-06.
- Design applicability :                AH according HS5011.

### Restrictions :

Only MRO activities

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.



# APPENDIX 1

## SPECIAL PROCESS :        INSTALLATION OF ROSAN STUDS AND BUSHES

### Performed in accordance with the following documents :

#### *Airbus Documentation :*

- EI042 IFMA-167                      Installation and removal of Rosan bushes and studs

### With the following resources :

- N/A

### This Qualification is based on the following results :

- Qualification program        ETLL-2018-0246-Ind G
- Documentation analysis        N/A
- Qualification audit report    21-AHE-00014672
- Action plan                      AP\_21-AHE-00014672
- AH test report                  N/A

### The Qualification is subject to the following specific conditions :

- Safety classes :                      Critical (CR), Important (IM), Structural (ST) and Not Structural (NS)  
parts according EP04-06.
- Design applicability :                AH according HS5011.

### Restrictions :

Only MRO activities

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.

# APPENDIX 1

## **SPECIAL PROCESS :           CHEMICAL CONVERSION (TOUCH UP)**

- Aluminum conversion (Touch up)
- Magnesium conversion (Touch up)
- Martensitic stainless steels passivation (Touch up)
- Phosphate conversion zinc type (Touch up)

### **Performed in accordance with the following documents :**

#### **Airbus Documentation :**

- |                  |   |
|------------------|---|
| - EI042 IFMA-866 | Chemical conversion of aluminium alloys                 |
| - EI042 IFMA-859 | Chromic conversion coating of magnesium alloy parts     |
| - EI042 IFMA-805 | Decontamination and passivation of high alloy steels    |
| - EI042 IFMA-160 | Touch-up of phosphate coatings and black oxide coatings |

### **With the following resources :**

- N/A

### **This Qualification is based on the following results :**

- |                              |                      |
|------------------------------|----------------------|
| - Qualification program      | ETLL-2018-0246-Ind G |
| - Documentation analysis     | N/A                  |
| - Qualification audit report | 21-AHE-00014672      |
| - Action plan                | AP_21-AHE-00014672   |
| - AH test report             | N/A                  |

### **The Qualification is subject to the following specific conditions :**

- |                        |   |
|------------------------|---|
| Safety classes :       | Critical (CR), Important (IM), Structural (ST) and Not Structural (NS) parts according EP04-06. |
| Design applicability : | AH according HS5011.  |

### **Restrictions :**

Only MRO activities.

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, <sup>10</sup> modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.

# APPENDIX 1

**SPECIAL PROCESS : PENETRANT TESTING (PT)**

**Performed in accordance with the following documents :**

**Airbus Documentation :**

- EI070 09-023 Rules applicable to dye penetrant inspection
- EI070 09-039 Surface preparation before penetrant inspection

**With the following resources :**

- N/A

**This Qualification is based on the following results :**

- Qualification program ETL 2018-0246 ind I
- Documentation analysis N/A
- Qualification audit report 21-AHE-00014886
- Action plan AP\_21-AHE-00014886
- AH test report N/A
- Supplier test report N/A

**The Qualification is subject to the following specific conditions :**

- Safety classes : Critical (CR), Important (IM), Structural (ST) and Not Structural (NS) parts according EP04-06.
- Design applicability : AH according HS5011.

**Restrictions :**

Only MRO activities.

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.

# APPENDIX 1

## SPECIAL PROCESS : SURFACE PREPARATION BEFORE PENETRANT TESTING

### Performed in accordance with the following documents :

#### Airbus Documentation :

- EI041 IFMA-631 Chemical stripping of organic coatings
- EI042 IFMA-812 General surface preparation of aluminium alloys
- EI042 IFMA-832 General preparation of titanium surfaces
- EI042 IFMA-835 Alkaline degreasing
- EI042 IFMA-837 Degreasing by solvent in vapour phase

### With the following resources :

- N/A

### This Qualification is based on the following results :

- Qualification program ETLI 2018-0246 ind I
- Documentation analysis N/A
- Qualification audit report 21-AHE-00014886
- Action plan AP\_21-AHE-00014886
- AH test reports ETXLL 2023-40808  
2023-40814
- Supplier test report Standardaero tests

### The Qualification is subject to the following specific conditions :

- Safety classes : Critical (CR), Important (IM), Structural (ST) and Not Structural (NS) parts according EP04-06.
- Design applicability : AH according HS5011.

### Restrictions :

Only on Aluminum & Magnesium and for MRO activities.

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, 12 modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.

# APPENDIX 1

## SPECIAL PROCESS : PAINT DETAIL PARTS METALS

### Performed in accordance with the following documents :

#### Airbus Documentation :

- EI041 IFMA-389 Aircraft painting - general instructions
- EI041 IFMA-447 Preparation and application of paints - general
- EI041 IFMA-447-10 Preparation and application of civil paints
- EI041 IFMA-447-20 Preparation and application of military paints
- EI041 IFMA-447-30 Preparation and application of interior paints
- EI041 IFMA-447-40 Preparation and application of conducting and antistatic paint
- EI041 IFMA-447-50 Preparation and application sheets for specific paints
- EI041 IFMA-631 Chemical stripping of organic coatings
- EI041 IFMA 368 Reactivation of CAA, SAA and alodine conversion
- IGC 04-76-100 Inspection of paint application
- EI042 IFMA-195 Application of strontium chromate epoxy primer
- EI042 IFMA-555 Application procedure of metal primer

### With the following resources :

- N/A

### This Qualification is based on the following results :

- Qualification program ETLI 2018-0246 ind I
- Documentation analysis N/A
- Qualification audit report 21-AHE-00014672
- Action plan AP\_21-AHE-00014672
- AH test reports 2023-3221 iss A  
2023-40646 iss A
- Supplier test report Paint tests standardaero

### The Qualification is subject to the following specific conditions :

- Safety classes : Critical (CR), Important (IM), Structural (ST) and Not Structural (NS) parts according EP04-06.
- Design applicability : AH according HS5011.

### Restrictions :

Only MRO activities.

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.

# APPENDIX 1

## SPECIAL PROCESS : VARNISH METALS

### Performed in accordance with the following documents :

#### *Airbus Documentation :*

- EI041 IFMA-262 Application protective varnishes pr 1005
- EI041 IFMA-337-200 Masking products for painting
- EI041 IFMA-357 Varnish of tropicalisation td 20
- EI041 IFMA-389 Aircraft painting – General instructions
- EI041 IFMA-554 Electrical bonding varnish
- EI042 IFMA 813 Use of varnish emralon gp 1904
- EI041 IFMA 862 Application of anti-fretting ECS 2039 varnish
- EI042 IFMA-802 Polyurethane varnish 5540/9000
- EI042 IFMA-212 Phenolic epoxy teflon lubricant application
- EI042 IFMA-322 Application of mos2 varnishes
- EI041 IFMA-608 Application of thermo-setting paint on mechanical magnesium parts
- EI042 IFMA-391 Endu ptfе d148a varnish

### With the following resources :

- N/A

### This Qualification is based on the following results :

- Qualification program ETLT 2018-0246 ind I
- Documentation analysis N/A
- Qualification audit report 21-AHE-00014886
- Action plan AP\_21-AHE-00014886
- AH test reports 2023-40814
- Supplier test report Varnish tests standardaero

### The Qualification is subject to the following specific conditions :

- Safety classes : Critical (CR), Important (IM), Structural (ST) and Not Structural (NS) parts according EP04-06.
- Design applicability : AH according HS5011.

### Restrictions :

Only MRO activities.

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.

# APPENDIX 1

## SPECIAL PROCESS : PLASTIC MEDIA STRIPPING DETAIL PARTS

### Performed in accordance with the following documents :

#### Airbus Documentation :

- EI041 IFMA-337-200 Masking products for painting
- EI042 IFMA-518 Plastic media stripping of metallic mechanical parts
- EI071 IGC-04-71-125 Blasting products – Plastic particles

### With the following resources :

- N/A

### This Qualification is based on the following results :

- Qualification program ETLI 2018-0246 ind I
- Documentation analysis N/A
- Qualification audit report 21-AHE-00014672
- Action plan AP\_21-AHE-00014672
- AH test report 2023-3267
- Supplier test report Pms steel standardaero tests

### The Qualification is subject to the following specific conditions :

- Safety classes : Critical (CR), Important (IM), Structural (ST) and Not Structural (NS) parts according EP04-06.
- Design applicability : AH according HS5011.

### Restrictions :

Only MRO activities and only on steel.

This qualification could be suspended or cancelled at any time in case of decrease in quality. All modifications initiated by supplier must be submitted to Airbus Helicopters for approval. In case of Airbus Helicopters documentation revision, modifications have to be implemented or request for deviation have to be submitted to Airbus Helicopters for approval.