

Form	F-DEV-03-075	B
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Template for Special Processes (SP) - External & Internal Qualification Approval

APPROVAL

It is hereby certified that the company

ELEMENT MATERIALS TECHNOLOGY (5046987)
3 AVENUE ANDRE MARIE AMPERE
31770 COLOMIERS - FRANCE

is qualified for following
SPECIAL PROCESSES

- **Tensile (metal)**
- **Impact**
- **Others test methods: Fracture toughness**
- **Micrography**
- **Grain size**
- **Others test methods: Inclusion**
- **Others test methods: Load Control (i.e., High Cycle) Fatigue (HCF)**
- **Others test methods: Macrography**

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

Special Processes Management

AH Laboratory

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RECORD OF REVISIONS

Issue	Modified by	Description of Change / Modified pages	Date of change
-	M. SMITH ETXLL	Regularization of the following special processes: <ul style="list-style-type: none"> - <u>Tensile (metal)</u> - <u>Impact</u> - <u>Others test methods: Fracture toughness</u> - <u>Micrography</u> - <u>Grain size</u> - <u>Others test methods: Inclusion</u> - <u>Others test methods: Load Control (i.e., High Cycle) Fatigue (HCF)</u> - <u>Others test methods: Macrography</u> 	11.02.2026

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APPENDIX 1

SPECIAL PROCESS : TENSILE (METAL)

Performed in accordance with the following documents :

Airbus Documentation :

- ISO 6892-1 Metallic materials. Tensile testing. Part 1 : method of test at room temperature.
- ISO 6892-2 Metallic materials. Tensile testing. Part 2 : method of test at elevated temperature.
- ASTM E8 Standard Test Methods for Tension Testing of Metallic Materials – M (Metrics).
- ASTM E8M Standard Test Methods for Tension Testing of Metallic Materials – M (Metrics).
- ASTM B557 Standard Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products.
- ASTM B557M Standard Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products (Metrics).
- EN 2002-001 Metallic materials - Test methods – Part 1:Tension Testing of Metallic Materials.
- EN 2002-002 Metallic materials - Test methods – Part 2: Tensile testing at elevated temperature.

Supplier Documentation :

- N/A

With the following resources :

- N/A

This Qualification is based on the following results :

- Qualification program ETXLL-SPV 2025 – 0076
- Documentation analysis N/A
- Audit report N/A
- Action plan N/A
- AH test report N/A
- Supplier test report N/A

The Qualification is subject to the following specific conditions :

Safety class : N/A

Design applicability : AH/AHD according to L-DEV-03-022.

Restrictions :

None.

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APPENDIX 1

SPECIAL PROCESS : MICROGRAPHY

Performed in accordance with the following documents :

Airbus Documentation :

- ASTM E3 Standard Guide for Preparation of Metallographic Specimens - Micrographic examination.
- ASTM E407 Standard Practice for Microetching Metals and Alloys.
- NFA 05-150 Steel products. Techniques of micrographic examination.

Supplier Documentation :

- N/A

With the following resources :

- N/A

This Qualification is based on the following results :

- Qualification program ETXLL-SPV 2025 – 0076
- Documentation analysis N/A
- Audit report N/A
- Action plan N/A
- AH test report N/A
- Supplier test report N/A

The Qualification is subject to the following specific conditions :

Safety class : N/A

Design applicability : AH/AHD according to L-DEV-03-022.

Restrictions :

None.

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APPENDIX 1

SPECIAL PROCESS : GRAIN SIZE

Performed in accordance with the following documents :

Airbus Documentation :

- ASTM E112 Methods for Determining the Average Grain Size.

Supplier Documentation :

- N/A

With the following resources :

- N/A

This Qualification is based on the following results :

- Qualification program ETXLL-SPV 2025 – 0076
- Documentation analysis N/A
- Audit report N/A
- Action plan N/A
- AH test report N/A
- Supplier test report N/A

The Qualification is subject to the following specific conditions :

Safety class : N/A

Design applicability : AH/AHD according to L-DEV-03-022.

Restrictions :

None.

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APPENDIX 1

SPECIAL PROCESS : **OTHERS TEST METHODS: INCLUSION**

Performed in accordance with the following documents :

Airbus Documentation :

- EI071 IGC 04-24-111 Inclusions in steel.
- ASTM E45 Standard test Methods for Determining the Inclusion Content of Steel.

Supplier Documentation :

N/A

With the following resources :

- N/A

This Qualification is based on the following results :

- Qualification program ETXLL-SPV 2025 – 0076
- Documentation analysis N/A
- Audit report N/A
- Action plan N/A
- AH test report N/A
- Supplier test report N/A

The Qualification is subject to the following specific conditions :

Safety class : N/A

Design applicability : AH/AHD according to L-DEV-03-022.

Restrictions :

None.

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APPENDIX 1

SPECIAL PROCESS : **OTHERS TEST METHODS: Load Control (i.e., High Cycle) Fatigue (HCF)**

Performed in accordance with the following documents :

Airbus Documentation :

- EN 6072 Metallic materials - Test methods - Constant amplitude fatigue testing.

Supplier Documentation :

- N/A

With the following resources :

- N/A

This Qualification is based on the following results :

- Qualification program ETXLL-SPV 2025 – 0076
- Documentation analysis N/A
- Audit report N/A
- Action plan N/A
- AH test report N/A
- Supplier test report Kit: M-FATIG-2 (PTP Metallic 2025 Scheme)

The Qualification is subject to the following specific conditions :

Safety class : N/A

Design applicability : AH/AHD according to L-DEV-03-022.

Restrictions :

None.

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APPENDIX 1

SPECIAL PROCESS : **OTHERS TEST METHODS: MACROGRAPHY**

Performed in accordance with the following documents :

Airbus Documentation :

- ASTM E340 Test method for Macroetching of Metals and Alloys.

Supplier Documentation :

- N/A

With the following resources :

- N/A

This Qualification is based on the following results :

- Qualification program ETXLL-SPV 2025 – 0076
- Documentation analysis N/A
- Audit report N/A
- Action plan N/A
- AH test report N/A
- Supplier test report N/A

The Qualification is subject to the following specific conditions :

Safety class : N/A

Design applicability : AH/AHD according to L-DEV-03-022.

Restrictions :

None.