Form	F-DEV-03-075	B

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

Signed by:Nathalie Mourre
Signed at:2026-02-12 17:19:08 +01:00
Reason:I Approve this document

Nathalie Mourre AIRBUS

AH Laboratory

Alexandre GAUTHERON

Signature numérique de Alexandre GAUTHERON
Date : 2026.02.16 17:38:20 +01'00'

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Template for Special Processes (SP) - External & Internal Qualification Approval

RECORD OF REVISIONS

Issue	Modified by	Description of Change / Modified pages	Date of change
-	M. SMITH ETXLL	Regularization of the 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***	11.02.2026

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.

APPENDIX 1

SPECIAL PROCESS : IMPACT

Performed in accordance with the following documents :

Airbus Documentation :

- ISO 148-1 Metallic materials. Charpy pendulum impact test. Part 1: test method.

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.

APPENDIX 1

SPECIAL PROCESS : OTHERS TEST METHODS: FRACTURE TOUGHNESS

Performed in accordance with the following documents :

Airbus Documentation :

- ASTM E399 Standard test method for plain strain fracture toughness of metallic materials.

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-K1C-1 (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.

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.

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.

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.

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.

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.