

Name of Assessed Person:

Registration:

**UNIT MEASTR0007: Pre-Treat Aluminium Alloy Surfaces**

|  |  |                |        |        |        |
|--|--|----------------|--------|--------|--------|
| <b>1.<br/>Prepare Surfaces for<br/>Application of Chemical<br/>Conversion Coating.</b> | a. Pre Treat a representative range of Aluminium Alloy surfaces<br><b>(**Note 1)</b> | No. of Entries | 1      | 2      | 3      |
|  |  | Tail / Job No. |        |        |        |
|  |  | LAME Sign.     |        |        |        |
|  |  | Date           |        |        |        |
|  |  | Simulated      | Yes No | Yes No | Yes No |

**Performance Criteria:**

- 1.1 The required pre-treatment task is identified from maintenance documentation and enterprise procedures.
- 1.2 Enterprise procedures and/or process specifications are used to identify required materials and tools.
- 1.3 Aircraft or component identification is matched with relevant maintenance documentation.
- 1.4 **Work health and safety (WHS) requirements** are identified and complied with and personal protective equipment (PPE) is checked for correct fit and function.
- 1.5 Common surface soils are removed in accordance with enterprise procedures and/or process specifications.
- 1.6 Masking is completed on areas where pre-treatment is not required.
- 1.7 Aluminium alloy substrate is prepared for application of conversion coating in accordance with enterprise procedures and/or process specifications.

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|--|--|----------------|--------|--------|--------|
| <b>2.<br/>Apply Chemical Conversion Coating.</b> | a. Pre Treat a representative range of Aluminium Alloy surfaces<br><b>(**Note 1)</b> | No. of Entries | 1      | 2      | 3      |
|  |  | Tail / Job No. |        |        |        |
|  |  | LAME Sign.     |        |        |        |
|  |  | Date           |        |        |        |
|  |  | Simulated      | Yes No | Yes No | Yes No |

**Performance Criteria:**

- 2.1 The correct environment for conversion coating application is established and maintained.
- 2.2 The applicable **chemical conversion** coating is applied while observing all relevant WHS requirements, including the use of material safety data sheets (MSDS) and items of PPE.
- 2.3 Masking is removed and the aircraft or component is left in a suitable condition for the next task.
- 2.4 Completion of the pre-treatment process is documented in accordance with enterprise procedures.

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|--|--|----------------|--------|--------|--------|
| <b>3.<br/>Clean up Work Area and<br/>Maintain Equipment.</b> | a. Pre Treat a representative range of Aluminium Alloy surfaces<br><b>(**Note 1)</b> | No. of Entries | 1      | 2      | 3      |
|  |  | Tail / Job No. |        |        |        |
|  |  | LAME Sign.     |        |        |        |
|  |  | Date           |        |        |        |
|  |  | Simulated      | Yes No | Yes No | Yes No |

**Performance Criteria:**

- 3.1 Material that can be reused is collected and correctly stored.
- 3.2 Waste material is removed and disposed of or stored in accordance with **Legislative, Regulatory and Enterprise Procedures**.
- 3.3 Equipment is cleaned in accordance with enterprise procedures or manufacturer's instructions while observing all relevant WHS requirements, including the use of MSDS and items of PPE.
- 3.4 Equipment is checked for serviceability and unserviceable items are dealt with in accordance with enterprise procedures.
- 3.5 Tools are cleaned and maintained in accordance with enterprise procedures.
- 3.6 Work area is cleaned and inspected for serviceable condition.

**Name of Assessed Person:****Registration:****\*\*Note 1:****Relevant OH&S, Legislative, Regulatory and Enterprise Procedures requirements maybe identified from:**

- State/Territory/Commonwealth OH&S Legislation, Regulations and Codes,
- Procedures Manual,
- Safety Manual,
- Work Instructions,
- Maintenance Organisation Manual,
- MSDS,
- Defence Regulations and Instructions and
- Standing Instructions.

**Common Surface Soils may include:**

- Paint
- Dirt
- Grease
- Oils
- Fuel
- Adhesives

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**Certification of Underpinning Knowledge and Skills to Pre-Treat Aluminium Alloy Surfaces**

A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements and performance criteria of the unit of competency are being achieved under routine supervision on a representative range of pre-treatment tasks performed at the enterprise. This shall be established via the records in the Log of Industrial Experience and Achievement or, where appropriate, an equivalent Industry Evidence Guide (for details refer to the Companion Volume Implementation Guide).

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|--|--|
| Evidence has been confirmed of the attainment of the following pre-requisite units of competency (as they are related to attainment of the elements of competency specified in this unit). |  |
| <b>107, 154, 155, 156, 157, 158</b>  |  |
| Evidence has been confirmed of the knowledge requirements for this unit as delivered by a CASR 147 Approved Organisation.  |  |
| <b>OR</b>  |  |
| Assessment has been conducted to determine that the underpinning knowledge and skills have been achieved in accordance with the Competency Unit.   |  |

**Certification of Unit Completion**

I certify that I have reviewed the certification of the elements for this competency unit and that all of the competency unit requirements have been met.

**Signed:** \_\_\_\_\_ **Assessor No.** \_\_\_\_\_ **MTO:** \_\_\_\_\_ **Date:** \_\_\_\_\_

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