

**Name of Assessed Person:**

**Registration:**

**UNIT MEASTR0016: Repair and Modify Aircraft Metal Structure**

<b>1. Prepare to Undertake Repair.</b>	a. Remove Corrosion by Chemical and Mechanical Methods	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Restore Protective Coatings	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Apply Sealants and Jointing Compounds	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
Date					
Simulated		Yes No	Yes No	Yes No	

**Performance Criteria:**

- 1.1 The extent of damage is correctly assessed to assist in determining **Repair Procedure**.
- 1.2 Structure is supported and prepared in accordance with the applicable maintenance manual to ensure personnel safety and freedom from damage.
- 1.3 The appropriate modification or repair scheme is identified in accordance with structural repair manual and/or approved data.
- 1.4 Specialist advice is obtained in establishing an approved repair scheme where a standard repair scheme cannot be identified or damage is out of limits.
- 1.5 All materials and equipment required are organised.

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**Registration:**

**UNIT MEASTR0016: Repair and Modify Aircraft Metal Structure**

<b>1. Cont'd Prepare to Undertake Repair.</b>	d. Freehand Precision Hole Generation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	e. Remove and Install Structural Hardware, Fastening Devices, Bushes, Bearings and Bearing Surfaces	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Remove and repair damaged sections and reinstall	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
Date					
Simulated		Yes No	Yes No	Yes No	

**Performance Criteria:**

- 1.1 The extent of damage is correctly assessed to assist in determining **Repair Procedure**.
- 1.2 Structure is supported and prepared in accordance with the applicable maintenance manual to ensure personnel safety and freedom from damage.
- 1.3 The appropriate modification or repair scheme is identified in accordance with structural repair manual and/or approved data.
- 1.4 Specialist advice is obtained in establishing an approved repair scheme where a standard repair scheme cannot be identified or damage is out of limits.
- 1.5 All materials and equipment required are organised.

**Name of Assessed Person:**

**Registration:**

**UNIT MEASTR0016: Repair and Modify Aircraft Metal Structure**

<b>2. Repair/modify aircraft structure.</b>	a. Remove Corrosion by Chemical and Mechanical Methods	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Restore Protective Coatings	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Apply Sealants and Jointing Compounds	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
Date					
Simulated		Yes No	Yes No	Yes No	

**Performance Criteria:**

- 2.1 Structural repairs are performed in accordance with approved repair scheme, ensuring that aircraft standard practices are used and process requirements are carried out while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDS) and items of personal protective equipment (PPE)
- 2.2 Work area is cleaned of all waste material or contaminants.
- 2.3 Components are adjusted, where necessary, to operate within prescribed specifications
- 2.4 Repaired components or assemblies are tagged, sealed and packaged, or cradled in accordance with specified procedures, where required.
- 2.5 Required documentation is completed and processed in accordance with standard enterprise procedures

Name of Assessed Person:

Registration:

**UNIT MEASTR0016: Repair and Modify Aircraft Metal Structure**

<b>2. Cont'd Repair/modify aircraft structure.</b>	d. Freehand Precision Hole Generation	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	e. Remove and Install Structural Hardware, Fastening Devices, Bushes, Bearings and Bearing Surfaces	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Remove and repair damaged sections and reinstall	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

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- 2.5 Required documentation is completed and processed in accordance with standard enterprise procedures

**Name of Assessed Person:**

**Registration:**

**Certification of Underpinning Knowledge and Skills to Repair/Modify Aircraft Metal Structure**

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 at least one (1) item from each of Groups a to f listed in the Range Statement. 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).

UNIT MEASTR0016: <b>Repair and Modify Aircraft Metal Structure</b>	Date/ MTO Stamp
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).  <p style="text-align: center;"><b>STR0001</b></p>	
Evidence has been confirmed of the knowledge requirements for this unit as delivered by a CASR 147 Approved Organisation.  <p style="text-align: center;"><b>OR</b></p> 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:** \_\_\_\_\_

**Name of Assessed Person:**

**Registration:**

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