

**Name of Assessed Person:**

**Registration:**

UNIT MEASTR0015: Fabricate Advanced Structural Components for Aircraft						
<b>1. Interpret Specification &amp; Organise Materials.</b>	a. Fabricate advanced structural components requiring hand forming only from aluminium alloys and steel alloys at various states of temper.	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes	No	Yes	No
<b>Performance Criteria:</b>						
1.1 Specifications and drawings are used to determine material requirements. 1.2 Equipment use is planned by determining the procedure for fabricating component. 1.3 Material is correctly identified in accordance with specifications. 1.4 All materials and equipment are organised.						
<b>2. Prepare Material &amp; Tooling.</b>	a. Fabricate advanced structural components requiring hand forming only from aluminium alloys and steel alloys at various states of temper.	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes	No	Yes	No
<b>Performance Criteria:</b>						
2.1 Dimensions to material are translated in accordance with specifications. 2.2 Cutting and forming equipment are prepared and adjusted to ensure accuracy of fabrication. 2.3 Material is cut according to specifications ensuring minimisation of wastage and maintenance of surplus material identification 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). 2.4 Material requiring special treatment is prepared for the appropriate processes. 2.5 Solution treatment of materials is carried out in accordance with approved procedures and specifications.						

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<b>3. Form Material.</b>	a. Fabricate advanced structural components requiring hand forming only from aluminium alloys and steel alloys at various states of temper.	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
<b>Performance Criteria:</b>  3.1 Appropriate forming procedure is determined ensuring that specifications are met and the most suitable forming method is selected. 3.2 Templates are manufactured, where required, by forming method. 3.3 Press tools are designed and manufactured, where required, by forming method. 3.4 Forming equipment is operated correctly and safely to form material in accordance with drawings and specifications. 3.5 Hand forming is performed accurately, where necessary.						
<b>4. Hand Correct Fabricated Components.</b>	a. Fabricate advanced structural components requiring hand forming only from aluminium alloys and steel alloys at various states of temper.	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
<b>Performance Criteria:</b>  4.1 Components are checked for irregularities and correction requirements determined. 4.2 Irregularities are removed to meet required dimensions and specifications.						

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<b>5. Inspect Components.</b>	a. Fabricate advanced structural components requiring hand forming only from aluminium alloys and steel alloys at various states of temper.	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 5.1 Fabricated components are inspected to confirm dimensional accuracy and specifications are met.
- 5.2 Checking fixtures are used, where appropriate, to ensure requirements are met.
- 5.3 Components requiring special or further treatment are prepared for the appropriate processes.
- 5.4 Completed components are tagged or identified, as required.

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**Certification of Underpinning Knowledge and Skills to Fabricate Advanced Structural Components for Aircraft**

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 structural fabrication tasks. 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 MEASTR0015: Fabricate Advanced Structural Components for Aircraft	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>107, 154, 155, 156, 157, 158</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:** \_\_\_\_\_