

**Name of Assessed Person:**

**Registration:**

**UNIT MEAMEC0054: Modify and repair aircraft composite structure using cold bonding**

<b>1. Plan repair/modification</b>	a Cold cure or wet lay-up (using either fibreglass or carbon graphite)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b Core materials (using one of aluminium, nomex or foam)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 1.1 Assess the extent of damage, including using visual and tap test methods, to assist in determining modification or repair procedure
- 1.2 Support and prepare structure in accordance with the applicable maintenance manual to ensure personnel safety and freedom from damage, while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDSs) and items of personal protective equipment (PPE)
- 1.3 Identify appropriate modification or repair scheme in accordance with structural repair manual or approved data
- 1.4 Obtain specialist advice in establishing an approved modification or repair scheme where a standard modification or repair scheme cannot be identified, or damage criteria are out of limits
- 1.5 Organise required materials and equipment in accordance with maintenance manual

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2. Repair/modify components using cold cure	a Cold cure or wet lay-up (using either fibreglass or carbon graphite)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b Core materials (using one of aluminium, nomex or foam)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 2.1 Check lay-up of materials to confirm that components meet required specifications and bagging equipment is correctly installed and operated.
- 2.2 Regularly monitor curing cycle to ensure required specifications are met.
- 2.3 Check components for blemishes or delamination in accordance with quality procedures.
- 2.4 Make ready component assemblies requiring further or special treatment for the appropriate processes.
- 2.5 Complete required maintenance documentation and process in accordance with standard enterprise procedures.
- 2.6 Tag, seal and pack completed assemblies as required.

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**Certification of Underpinning Knowledge and Skills to Repair/modify aircraft composite structure using cold bonding**

A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements of this unit of competency are being achieved under routine supervision on each type of system and on at least one (1) item of each group listed in the assessment conditions a) to b). 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>Nil</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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