

Name of Assessed Person:

Registration:

UNIT MEAMEC0055: Shot-Peen Aircraft Components

1. Prepare for shot-peening task	a. A representative range of shot-peening tasks that are performed within the enterprise	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 1.1 Obtain and interpret process documentation requirements.
- 1.2 Prepare shot-peening equipment in accordance with the applicable process.

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2. Apply shot-peening process to Almen strip	a. A representative range of shot peening tasks that are performed within the enterprise	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 2.1 Select and fit the correct Almen strip and set up equipment with the correct stand-off distance and regulated air pressure or spindle speed in accordance with the process documentation.
- 2.2 Implement applicable work health and safety (WHS) provisions, including the use of material safety data sheets (MSDSs) and personal protective equipment (PPE).
- 2.3 Apply the process to the Almen strip.
- 2.4 Measure the Almen strip distortion to ensure that it is within the specified tolerance.
- 2.5 Adjust equipment settings and repeat the Almen strip test when required.
- 2.6 Record settings that produce specified Almen strip distortion and present the test strip for inspection.

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3. Apply shot-peening process to component	a. A representative range of shot-peening tasks that are performed within the enterprise	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 3.1 Clean and mask the component in accordance with process documentation.
- 3.2 Apply shot-peening in accordance with the process documentation using equipment settings derived from Almen test strip and while observing all WHS requirements, including use of MSDSs and PPE.
- 3.3 Check the shot-peened surface for required density and coverage and re-peen, when required.
- 3.4 Check the shot-peened component for cleanliness to ensure that all contaminants have been removed in accordance with the process documentation.

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4. Complete shot-peening task	a. A representative range of shot-peening tasks that are performed within the enterprise	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 4.1 Record task completion in accordance with standard enterprise procedures.
- 4.2 Present shot-peened component for inspection, along with Almen test strip and completed documentation.
- 4.3 Tag, seal and pack the component, where applicable and in accordance with specified procedures.
- 4.4 Dispose of waste shot peening media in accordance with procedures.

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Certification of Underpinning Knowledge and Skills to Shot-Peen Aircraft Components

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 shot-peening tasks that are performed within 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).

UNIT MEAMEC0055: Shot-Peen Aircraft Components	
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).	
107, 154, 155, 156, 157, 158	
Evidence has been confirmed of the knowledge requirements for this unit as delivered by a CASR 147 Approved Organisation.	
OR	
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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