

**Name of Assessed Person:**

**Registration:**

**UNIT MEA296: Use Electrical Test Equipment in Aviation Maintenance Activities**

<b>1. Select Required Test Equipment</b>	a. System / Component Test Requirements include Measurement of and Testing Volts, Amps and Power	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. System / Component Test Requirements include Measurement of and Testing Frequency	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. System / Component Test Requirements include Measurement of and Testing Phase Angle. <b>(may be omitted where not applicable to the organisation)</b>	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. System / Component Test Requirements include Measurement of and Testing Continuity, Resistance and Insulation	No. of Entries	1	2	3
Tail / Job No.					
LAME Sign.					
Date					
Simulated		Yes No	Yes No	Yes No	

**Performance Criteria:**

- 1.1 Review job specifications to identify system and component test requirements.
- 1.2 Select test equipment required for aviation maintenance activity.

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<b>1. Cont'd Select Required Test Equipment</b>	e. System / Component Test Requirements include Measurement of and Testing Bonding	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 1.1 Review job specifications to identify system and component test requirements.
- 1.2 Select test equipment required for aviation maintenance activity.

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<b>2. Prepare Test Equipment for Use</b>	a. System / Component Test Requirements include Measurement of and Testing Volts, Amps and Power	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. System / Component Test Requirements include Measurement of and Testing Frequency	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. System / Component Test Requirements include Measurement of and Testing Phase Angle. <b>(may be omitted where not applicable to the organisation)</b>	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. System / Component Test Requirements include Measurement of and Testing Continuity, Resistance and Insulation	No. of Entries	1	2	3
Tail / Job No.					
LAME Sign.					
Date					
Simulated		Yes No	Yes No	Yes No	

**Performance Criteria:**

- 2.1 Check test equipment for serviceability and fit applicable leads where required according to organisational procedures and maintenance manuals.
- 2.2 Select applicable function and range of measurement according to organisational procedures.

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<b>2. Cont'd Prepare Test Equipment for Use</b>	e. System / Component Test Requirements include Measurement of and Testing Bonding	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 2.1 Check test equipment for serviceability and fit applicable leads where required according to organisational procedures and maintenance manuals.
- 2.2 Select applicable function and range of measurement according to organisational procedures.

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3. Test System or Component		No. of Entries	1	2	3		
		a. System / Component Test Requirements include Measurement of and Testing Volts, Amps and Power	Tail / Job No.				
			LAME Sign.				
			Date				
			Simulated	Yes No	Yes No	Yes No	
b. System / Component Test Requirements include Measurement of and Testing Frequency	No. of Entries	1	2	3			
	Tail / Job No.						
	LAME Sign.						
	Date						
c. System / Component Test Requirements include Measurement of and Testing Phase Angle. <b>(may be omitted where not applicable to the organisation)</b>	No. of Entries	1	2	3			
	Tail / Job No.						
	LAME Sign.						
	Date						
d. System / Component Test Requirements include Measurement of and Testing Continuity, Resistance and Insulation	No. of Entries	1	2	3			
	Tail / Job No.						
	LAME Sign.						
	Date						
		Simulated	Yes No	Yes No	Yes No		

**Performance Criteria:**

- 3.1 Determine test points and polarity of system or component.
- 3.2 Use prepared test equipment to measure required parameters in line with work health and safety (WHS) requirements and industry standard procedures specified by manufacturers, regulatory authorities, and organisation.

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<b>3. Cont'd Test System or Component</b>	e. System / Component Test Requirements include Measurement of and Testing Bonding	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 3.1 Determine test points and polarity of system or component.
- 3.2 Use prepared test equipment to measure required parameters in line with work health and safety (WHS) requirements and industry standard procedures specified by manufacturers, regulatory authorities, and organisation.

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Registration: \_\_\_\_\_

### Confirmation of Underpinning Knowledge and Skills to Use Electrical Test Equipment in Aviation Maintenance Activities

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 in the selection of appropriate items of test equipment and their use to perform the measurements and test each of a) to e). ***(Group c may be omitted where they are not Applicable to the Organisation)*** in the range statement. Candidate capability must 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 Assessment Guidelines).

<b>UNIT MEA296: Use Electrical Test Equipment in Aviation Maintenance Activities</b>	<b>Date / MTO Stamp</b>
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:** \_\_\_\_\_

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**Registration:**

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