

Name of Assessed Person:

Registration:

**UNIT MEA223: Inspect Aircraft Electrical Systems And Components**

<b>1. Inspect Electrical Systems and Components</b>	a. AC and/or DC Power Generation, Regulation and Distribution Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Battery Installations and Bus Ties / Interlocks	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Rotary and Static Inverters and TR Units	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Air Cycle Air Conditioning and Pressurisation Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 1.1 Isolation tags are checked and aircraft configured for safe system inspection and operation in accordance with the applicable maintenance manual.
- 1.2 **Electrical System Components and Hardware** are visually or physically checked for external signs of defects in accordance with applicable maintenance manual while observing all relevant work health and safety (WHS) requirements.
- 1.3 Defects are correctly identified and recorded in accordance with standard enterprise procedures.

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**UNIT MEA223: Inspect Aircraft Electrical Systems And Components**

<p><b>1. Cont'd</b> <b>Inspect Electrical Systems and Components</b></p>	e. Flight, and Engine Control Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Ignition and Starting Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Fire / Smoke Detection and Extinguishing	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Lighting	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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- 1.2 **Electrical System Components and Hardware** are visually or physically checked for external signs of defects in accordance with applicable maintenance manual while observing all relevant work health and safety (WHS) requirements.
- 1.3 Defects are correctly identified and recorded in accordance with standard enterprise procedures.

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<p><b>1. Cont'd Inspect Electrical Systems and Components</b></p>	<p>i. Master and Caution Warning Systems</p>	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	<p>j. Equipment and Furnishing</p>	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	<p>k. Equipment Cooling and Ventilation</p>	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	<p>l. Position Indicating Systems</p>	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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- 1.2 **Electrical System Components and Hardware** are visually or physically checked for external signs of defects in accordance with applicable maintenance manual while observing all relevant work health and safety (WHS) requirements.
- 1.3 Defects are correctly identified and recorded in accordance with standard enterprise procedures.

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<p><b>1. Cont'd</b> <b>Inspect Electrical Systems and Components</b></p>	<p>m. Fuel Storage and Distribution</p>	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	<p>n. Propeller Control Systems <b>(may be omitted where not applicable to the enterprise)</b></p>	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	<p>o. Landing Gear Indication and Antiskid Systems <b>(may be omitted where not applicable to the enterprise)</b></p>	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	<p>p. Ice and Rain Protection Systems <b>(may be omitted where not applicable to the enterprise)</b></p>	No. of Entries	1	2	3
Tail / Job No.					
LAME Sign.					
Date					
Simulated		Yes No	Yes No	Yes No	

**Performance Criteria:**

- 1.1 Isolation tags are checked and aircraft configured for safe system inspection and operation in accordance with the applicable maintenance manual.
- 1.2 **Electrical System Components and Hardware** are visually or physically checked for external signs of defects in accordance with applicable maintenance manual while observing all relevant work health and safety (WHS) requirements.
- 1.3 Defects are correctly identified and recorded in accordance with standard enterprise procedures.

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**UNIT MEA223: Inspect Aircraft Electrical Systems And Components**

<b>1. Cont'd Inspect Electrical Systems and Components</b>	q. Waste Water Systems (may be omitted where not applicable to 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 Isolation tags are checked and aircraft configured for safe system inspection and operation in accordance with the applicable maintenance manual.
- 1.2 **Electrical System Components and Hardware** are visually or physically checked for external signs of defects in accordance with applicable maintenance manual while observing all relevant work health and safety (WHS) requirements.
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**Confirmation of Underpinning Knowledge and Skills to Inspect Aircraft Electrical Systems and 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 at least one item from each of groups a) and q) in the range statement **(groups n) to q) may be omitted where they are not applicable to 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 MEA223: Inspect Aircraft Electrical Systems and Components	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>203, 246</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: \_\_\_\_\_