

Name of Assessed Person:

Registration:

**UNIT MEAAVI0054: Repair and Overhaul Aircraft Instrument System Components**

<b>1. Determine Requirements</b>	a. General Instrument Components, including Mechanical Instruments, Electro-mechanical Instruments and Sensors	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 1.1 Interpret component defect reports (removal tags) or customer orders and match by part and serial numbers to identify requirements.
- 1.2 Inspect and operate system components through prescribed test procedures to establish serviceability or confirm defects.
- 1.3 Establish modification status to assist in determining the overhaul requirements for the components.
- 1.4 Identify and document extent of overhaul or repair in accordance with standard enterprise procedures.

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<b>2. Troubleshoot Instrument System Components</b>	a. General Instrument Components, including Mechanical Instruments, Electro-mechanical Instruments and Sensors	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 2.1 Use available information from maintenance records and test results as required to assist in fault determination.
- 2.2 Troubleshoot aircraft instrument system components using logical processes.
- 2.3 Obtain required specialist or supervisory advice to assist with or confirm faults and rectification requirements.
- 2.4 Locate system component faults and identify causes of faults in accordance with standard enterprise procedures.
- 2.5 Determine fault rectification requirements to assist in planning repair.

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**3. Dismantle and Inspect Instrument System Components**

a. General Instrument Components, including Mechanical Instruments, Electro-mechanical Instruments and Sensors

No. of Entries	1	2	3
Tail / Job No.			
LAME Sign.			
Date			
Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 3.1 Dismantle system component parts in accordance with maintenance manuals while observing all relevant work health and safety (WHS) requirements.
- 3.2 Assess component parts for serviceability in accordance with maintenance documentation.
- 3.3 Tag parts requiring specialist repair and accurately specify repair instructions.
- 3.4 Compile and process parts lists in accordance with standard enterprise procedures.

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<b>4. Repair and / or Modify Inspect Instrument System Components</b>	a. General Instrument Components, including Mechanical Instruments, Electro-mechanical Instruments and Sensors	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 4.1 Repair or replace system component parts in accordance with maintenance documentation.
- 4.2 Make required modifications to components or parts in accordance with relevant manufacturer's bulletins or procedures.

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**5.  
Assemble, Test and Adjust  
Inspect Instrument System  
Components**

a. General Instrument Components, including Mechanical Instruments, Electro-mechanical Instruments and Sensors

No. of Entries	1	2	3
Tail / Job No.			
LAME Sign.			
Date			
Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 5.1 Assemble component parts in accordance with specified tolerances and maintenance documents.
- 5.2 Test assembled components and adjust or calibrate system components to operate within prescribed specifications.
- 5.3 Tag, seal and package finished components in accordance with specified procedures.
- 5.4 Complete and process required maintenance documentation and modification records in accordance with standard enterprise procedures.

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**Certification of Underpinning Knowledge and Skills to Repair or Overhaul Aircraft Instrument System 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 general instrument components, including those listed in the assessment conditions a). 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).

<b>UNIT MEAAVI0054: Repair and Overhaul Aircraft Instrument System Components</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).	
<b>296, AVI0038</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:** \_\_\_\_\_