

Name of Assessed Person:

Registration:

UNIT MEAAVI0014: Inspect, Test and Troubleshoot Fixed Wing Autopilot Systems and Components

1. Inspect Fixed Wing Autopilot Systems and Components	a. Fixed Wing Autopilot Systems and Components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 1.1 Identify specific inspection requirements using maintenance documentation and modification status, including relevant system defect reports.
- 1.2 Check isolation tags and configure aircraft for safe system inspection and operation in accordance with maintenance manual.
- 1.3 Visually or physically check autopilot systems and components for external signs of defects in accordance with maintenance manual while observing all relevant work health and safety (WHS) requirements.
- 1.4 Identify and report defects in accordance with standard enterprise procedures.

Note: *Autopilot Systems and Components* may include:

- Three axis autopilot systems and components, including those incorporating a radio-coupled flight director.

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2. Test or Adjust Fixed Wing Autopilot Systems and Components	a. Fixed Wing Autopilot Systems and Components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 2.1 Prepare aircraft and system for application of power or system operation in accordance with maintenance manual.
- 2.2 Perform functional testing of autopilot systems for evidence of serviceability or malfunction in accordance with maintenance manual.
- 2.3 Perform required calibration or adjustments to system in accordance with maintenance manual.

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3. Troubleshoot Fixed Wing Autopilot Systems	a. Fixed Wing Autopilot Systems and Components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

- 3.1 Use available information from maintenance documentation, inspection and test results to assist in fault determination of identified issues.
- 3.2 Troubleshoot to line replacement level using maintenance manual fault diagnosis guides and logic processes.
- 3.3 Obtain required specialist or supervisory advice to assist with the troubleshooting process.
- 3.4 Locate autopilot system faults and identify and record causes of faults in required maintenance documentation in accordance with standard enterprise procedures.
- 3.5 Determine requirements for rectification of faults.

**** Note: Troubleshooting:** involves the use of fault finding charts or similar, to line replacement level.

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Certification of Underpinning Knowledge and Skills to Inspect, Test and Troubleshoot Fixed Wing Autopilot 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 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). 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).	
246, 293	
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:** _____