Name of Assessed Person: **Registration:**

UNIT MEA231: Inspect, Test and Troubleshoot Rotary Wing Aircraft Automatic Flight Control Systems and Components						
1. Inspect Automatic Flight Control System and Components	a. Flight Director Systems: - includes Indicators, Computers, Control Boxes And Interfaces with other Systems	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	b. Flight Controls: - includes Servo Actuators (Roll, Pitch, Yaw and Trim) Computers and Sensors	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	c. Autopilot Systems: - includes Computers, Sensors (Gyros and / or Accelerometers), Controllers, Mode Selectors and System Interface, Control Wheel Steering (CWS), Disconnect, Go Around and Trim Switches	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 Automatic flight control system is visually or physically checked for external signs of defects in accordance with applicable maintenance manual.
1.3 Defects are correctly identified and reported.

Name of Assessed Person: **Registration:**

UNIT MEA231: Inspect, Test and Troubleshoot Rotary Wing Aircraft Automatic Flight Control Systems and Components						
2. Test / Adjust Automatic Flight Control System	a. Flight Director Systems: - includes Indicators, Computers, Control Boxes And Interfaces with other Systems	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	b. Flight Controls: - includes Servo Actuators (Roll, Pitch, Yaw and Trim) Computers, Sensors	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	c. Autopilot Systems: - includes Computers, Sensors (Gyros and / or Accelerometers), Controllers, Mode Selectors and System Interface, CWS, Disconnect, Go Around and Trim Switches.	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	

Performance Criteria:

2.1 Aircraft and system are prepared in accordance with applicable maintenance manual for the application of power/system operation.
2.2 Automatic flight control system is functionally tested in accordance with maintenance manual for evidence of serviceability or malfunction while observing all relevant work health and safety (WHS) requirements.
2.3 System calibration or adjustments are performed in accordance with maintenance manual, as appropriate.

Name of Assessed Person: **Registration:**

UNIT MEA231: Inspect, Test and Troubleshoot Rotary Wing Aircraft Automatic Flight Control Systems and Components					
3. **Prepare for Troubleshooting**	a. Flight Director Systems: - includes Indicators, Computers, Control Boxes And Interfaces with other Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Flight Controls: - includes Servo Actuators (Roll, Pitch, Yaw and Trim) Computers, Sensors	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Autopilot Systems: - includes Computers, Sensors (Gyros and / or Accelerometers), Controllers, Mode Selectors and System Interface, CWS, Disconnect, Go Around and Trim Switches.	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

3.1 Relevant maintenance documentation and modification status, including system defect reports, where relevant, are used to identify unserviceability.

Name of Assessed Person: **Registration:**

UNIT MEA231: Inspect, Test and Troubleshoot Rotary Wing Aircraft Automatic Flight Control Systems and Components						
4. Troubleshoot Automatic Flight Control System	a. Flight Director Systems: - includes Indicators, Computers, Control Boxes And Interfaces with other Systems	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	b. Flight Controls: - includes Servo Actuators (Roll, Pitch, Yaw and Trim) Computers, Sensors	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	c. Autopilot Systems: - includes Computers, Sensors (Gyros and / or Accelerometers), Controllers, Mode Selectors and System Interface, CWS, Disconnect, Go Around and Trim Switches.	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	

Performance Criteria:

4.1 Available information from maintenance documents and inspection and test results is used, where necessary, to assist in fault determination.
4.2 Maintenance manual fault diagnosis guides and logic processes are used to ensure efficient and accurate ***Troubleshooting*** to line replacement level.
4.3 Specialist advice is obtained, where required, to assist with the troubleshooting process.
4.4 Automatic flight control system faults are located and the causes of the faults are clearly identified and correctly recorded in maintenance documentation, where required.
4.5 Rectification requirements are determined.

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

Name of Assessed Person: **Registration:**

Confirmation of Underpinning Knowledge and Skills to Inspect, Test and Troubleshoot Rotary Wing Aircraft Automatic Flight Control 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 (1) item from each of Groups a) to c). 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 MEA231: **Inspect, Test and Troubleshoot Rotary Wing Aircraft Automatic Flight Control 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). **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:** _____

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