Name of Assessed Person: **Registration:**

UNIT MEA312: Inspect, Test and Troubleshoot Aircraft Fixed Wing Flight Control Systems and Components					
1. Inspect Fixed Wing Flight Control Systems and Components	a. Elevator, Aileron and Rudder Primary Flight Control Systems and Associated Trim Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Speed Brake, Spoiler, Flap And High Lift Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ailerons, Elevators, Rudders, Trim Tabs, Speed Brakes, Spoilers, Flaps and Slats	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 already attached to the system or related systems are checked and aircraft configured for safe system inspection and operation in accordance with applicable maintenance manual.

1.2 Fixed wing ***Flight control systems and components*** are visually or physically checked for signs of defects in accordance with applicable maintenance manual while observing all relevant work health and safety (WHS) requirements.

Name of Assessed Person: **Registration:**

UNIT MEA312: Inspect, Test and Troubleshoot Aircraft Fixed Wing Flight Control Systems and Components					
1. Cont'd **Inspect Fixed Wing Flight Control Systems and Components**	d. Actuators - Mechanical, Hydraulic, Pneumatic or Electric	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	e. Mechanical Flight Control Components (Cables, Pulleys, Guides, Fairleads, Tension Regulators, Control Rods, Bellcranks, Torque Tubes, Chains, Sprockets, Control Sticks, Wheels or Columns, Trim Wheels or Handles and Rudder Pedals)	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 already attached to the system or related systems are checked and aircraft configured for safe system inspection and operation in accordance with applicable maintenance manual.

1.2 Fixed wing ***Flight control systems and components*** are visually or physically checked for signs of defects in accordance with applicable maintenance manual while observing all relevant work health and safety (WHS) requirements.

Name of Assessed Person: **Registration:**

UNIT MEA312: Inspect, Test and Troubleshoot Aircraft Fixed Wing Flight Control Systems and Components					
2. **Test Fixed Wing Flight Control Systems**	a. Elevator, Aileron and Rudder Primary Flight Control Systems and Associated Trim Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Speed Brake, Spoiler, Flap And High Lift Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ailerons, Elevators, Rudders, Trim Tabs, Speed Brakes, Spoilers, Flaps and Slats	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

2.1 Powered controls of the aircraft and system are prepared, in accordance with maintenance manual, for the application of electrical and hydraulic power.
2.2 Power is applied, if necessary, and system is functionally tested, in accordance with applicable maintenance manual, for malfunction or evidence of incorrect rigging.
2.3 System rigging is performed in accordance with applicable maintenance manual.

Name of Assessed Person: **Registration:**

UNIT MEA312: Inspect, Test and Troubleshoot Aircraft Fixed Wing Flight Control Systems and Components					
2. Cont'd **Test Fixed Wing Flight Control Systems**	d. Actuators - Mechanical, Hydraulic, Pneumatic or Electric	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	e. Mechanical Flight Control Components (Cables, Pulleys, Guides, Fairleads, Tension Regulators, Control Rods, Bellcranks, Torque Tubes, Chains, Sprockets, Control Sticks, Wheels or Columns, Trim Wheels or Handles and Rudder Pedals)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

2.1 Powered controls of the aircraft and system are prepared, in accordance with maintenance manual, for the application of electrical and hydraulic power.
2.2 Power is applied, if necessary, and system is functionally tested, in accordance with applicable maintenance manual, for malfunction or evidence of incorrect rigging.
2.3 System rigging is performed in accordance with applicable maintenance manual.

Name of Assessed Person: **Registration:**

UNIT MEA312: Inspect, Test and Troubleshoot Aircraft Fixed Wing Flight Control Systems and Components					
3. Prepare for Troubleshooting	a. Elevator, Aileron and Rudder Primary Flight Control Systems and Associated Trim Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Speed Brake, Spoiler, Flap And High Lift Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ailerons, Elevators, Rudders, Trim Tabs, Speed Brakes, Spoilers, Flaps and Slats	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 interpreted to identify unserviceability.

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

Name of Assessed Person: **Registration:**

UNIT MEA312: Inspect, Test and Troubleshoot Aircraft Fixed Wing Flight Control Systems and Components					
3. Cont'd **Prepare for Troubleshooting**	d. Actuators - Mechanical, Hydraulic, Pneumatic or Electric	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	e. Mechanical Flight Control Components (Cables, Pulleys, Guides, Fairleads, Tension Regulators, Control Rods, Bellcranks, Torque Tubes, Chains, Sprockets, Control Sticks, Wheels or Columns, Trim Wheels or Handles and Rudder Pedals)	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 interpreted to identify unserviceability.

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

Name of Assessed Person: **Registration:**

UNIT MEA312: Inspect, Test and Troubleshoot Aircraft Fixed Wing Flight Control Systems and Components					
4. Troubleshoot Fixed Wing Flight Control Systems	a. Elevator, Aileron and Rudder Primary Flight Control Systems and Associated Trim Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Speed Brake, Spoiler, Flap And High Lift Systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ailerons, Elevators, Rudders, Trim Tabs, Speed Brakes, Spoilers, Flaps and Slats	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 documentation and inspection and test results is used, where necessary, to assist in fault determination.
4.2 Maintenance manual fault diagnosis guide and logical 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 Fixed wing 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 Fault rectification requirements are determined to assist in planning the repair.

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

Name of Assessed Person: **Registration:**

UNIT MEA312: Inspect, Test and Troubleshoot Aircraft Fixed Wing Flight Control Systems and Components					
4. Cont'd Troubleshoot Fixed Wing Flight Control Systems	d. Actuators - Mechanical, Hydraulic, Pneumatic or Electric	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	e. Mechanical Flight Control Components (Cables, Pulleys, Guides, Fairleads, Tension Regulators, Control Rods, Bellcranks, Torque Tubes, Chains, Sprockets, Control Sticks, Wheels or Columns, Trim Wheels or Handles and Rudder Pedals)	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 documentation and inspection and test results is used, where necessary, to assist in fault determination.
4.2 Maintenance manual fault diagnosis guide and logical 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 Fixed wing 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 Fault rectification requirements are determined to assist in planning the repair.

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

Name of Assessed Person: **Registration:**

Certification of Underpinning Knowledge and Skills to Inspect, Test and Troubleshoot Aircraft Fixed Wing 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 of the unit of competency are being achieved under routine supervision on at least one (1) item of each group listed in the assessment conditions a) to e). 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 MEA312: Inspect, Test and Troubleshoot Aircraft Fixed Wing 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). **305**	
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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