Name of Assessed Person: **Registration:**

UNIT MEA322:	**Test and troubleshoot gas turbine engine systems and components**				
1. **Prepare for troubleshooting.**	a. Engine change unit, main components and accessories/drives	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Control system	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ignition and starter systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Fuel system	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

1.1 Relevant maintenance documentation and modification status, including system defect reports, where relevant, are interpreted to identify an unserviceability.

Name of Assessed Person: **Registration:**

UNIT MEA322: Test and troubleshoot gas turbine engine systems and components

1. Cont'd **Prepare for troubleshooting**	e. Oil system	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Air system	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

1.1 Relevant maintenance documentation and modification status, including system defect reports, where relevant, are interpreted to identify an unserviceability

Name of Assessed Person: **Registration:**

UNIT MEA322: Test and troubleshoot gas turbine engine systems and components

2. **Test gas turbine engine system.**	a. Engine change unit, main components and accessories/drives	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Control system	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ignition and starter systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Fuel system	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 gas turbine engine system are correctly prepared in accordance with applicable maintenance manual and connected to appropriate test equipment while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDS) and items of personal protective equipment (PPE).

2.2 Built-in system test functions and status displays are activated, where applicable, outputs recorded and interpreted.

2.3 Assistance is provided with gas turbine engine and/or system operation during prescribed test procedures to establish serviceability and correct function in accordance with applicable maintenance manual.

Name of Assessed Person: **Registration:**

UNIT MEA322: Test and troubleshoot gas turbine engine systems and components					
2. Cont'd **Test gas turbine engine system.**	e. Oil system	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Air system	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 gas turbine engine system are correctly prepared in accordance with applicable maintenance manual and connected to appropriate test equipment while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDS) and items of personal protective equipment (PPE).

2.2 Built-in system test functions and status displays are activated, where applicable, outputs recorded and interpreted.

2.3 Assistance is provided with gas turbine engine and/or system operation during prescribed test procedures to establish serviceability and correct function in accordance with applicable maintenance manual.

Name of Assessed Person: **Registration:**

UNIT MEA322: Test and troubleshoot gas turbine engine systems and components					
3. **Troubleshoot gas turbine engine system.**	a. Engine change unit, main components and accessories/drives	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Control system	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Ignition and starter systems	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Fuel system	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

3.1 Available information from maintenance documentation and inspection and test results is used, where necessary, to assist in fault determination).
3.2 Maintenance manual fault diagnosis guide and logical processes are used to ensure efficient and accurate troubleshooting to line replacement level.
3.3 Specialist advice is obtained, where required, to assist with the troubleshooting process.
3.4 Gas turbine engine system faults are located and causes of the faults are clearly identified and correctly recorded in maintenance documentation, where required.
3.5 Fault rectification requirements are determined to assist in planning the repair or adjustment.

Name of Assessed Person: **Registration:**

UNIT MEA322: Test and troubleshoot gas turbine engine systems and components					
3.Cont'd Troubleshoot gas turbine engine system.	e. Oil system	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Air system	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

3.1 Available information from maintenance documentation and inspection and test results is used, where necessary, to assist in fault determination).
3.2 Maintenance manual fault diagnosis guide and logical processes are used to ensure efficient and accurate troubleshooting to line replacement level.
3.3 Specialist advice is obtained, where required, to assist with the troubleshooting process.
3.4 Gas turbine engine system faults are located and causes of the faults are clearly identified and correctly recorded in maintenance documentation, where required.
3.5 Fault rectification requirements are determined to assist in planning the repair or adjustment.

Name of Assessed Person: **Registration:**

Certification of Underpinning Knowledge and Skills to Test and troubleshoot gas turbine engine 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) component of each group listed in the assessment conditions a) to f) that are 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 Assessment Guidelines).

UNIT MEA322: Test and troubleshoot gas turbine engine 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). **319**	
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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