Name of Assessed Person: **Registration:**

UNIT MEA3000:	**Maintain small piston engine aircraft pressurisation systems**				
1. **Inspect small piston engine aircraft pressurisation system**	a. Pressure controllers	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Outflow valves	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Safety valves	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Negative pressure relief valves	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 used to identify specific inspection requirements.
1.2. Check isolation tags and configure aircraft for safe system inspection and operation according to applicable maintenance manual.
1.3. Visually or physically check pressurisation system components for external signs of defects according to maintenance manual procedures and work health and safety (WHS) requirements.
1.4. Identify and report defects using organisational reporting processes.

Name of Assessed Person: **Registration:**

UNIT MEA3000:	**Maintain small piston engine aircraft pressurisation systems**				
1. Cont'd **Inspect small piston engine aircraft pressurisation system**	e. Ducting	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Pressure hull sealing	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Aircraft doors and related seals	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Windows and transparent panels	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 used to identify specific inspection requirements.
1.2. Check isolation tags and configure aircraft for safe system inspection and operation according to applicable maintenance manual.
1.3. Visually or physically check pressurisation system components for external signs of defects according to maintenance manual procedures and work health and safety (WHS) requirements.
1.4. Identify and report defects using organisational reporting processes.

Name of Assessed Person: **Registration:**

UNIT MEA3000: Maintain small piston engine aircraft pressurisation systems					
2. Test/adjust small piston engine aircraft pressurisation systems and components	a. Pressure controllers	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Outflow valves	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Safety valves	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Negative pressure relief valves	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 according to applicable maintenance manual for the application of power/system operation.
2.2. Functionally test pressurisation system for evidence of serviceability or malfunction according to maintenance manual.
2.3. Adjust system according to maintenance manual.

Name of Assessed Person: **Registration:**

UNIT MEA3000:	**Maintain small piston engine aircraft pressurisation systems**				
2. Cont'd Test/adjust small piston engine aircraft pressurisation systems and components	e. Ducting	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Pressure hull sealing	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Aircraft doors and related seals	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Windows and transparent panels	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 according to applicable maintenance manual for the application of power/system operation.
2.2. Functionally test pressurisation system for evidence of serviceability or malfunction according to maintenance manual.
2.3. Adjust system according to maintenance manual.

Name of Assessed Person: **Registration:**

UNIT MEA3000:	**Maintain small piston engine aircraft pressurisation systems**				
3. **Troubleshoot small piston engine aircraft pressurisation systems**	a. Pressure controllers	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Outflow valves	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Safety valves	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Negative pressure relief valves	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 where necessary to assist in fault determination.
3.2. Use maintenance manual fault diagnosis guides and logic processes to ensure efficient and accurate troubleshooting to line replacement level.
3.3. Obtain specialist advice, where required, to assist with troubleshooting process.
3.4. Locate pressurisation system faults, and identify and record their causes in maintenance documentation where required, according to standard organisational procedures.
3.5. Determine rectification requirements.

Name of Assessed Person: **Registration:**

UNIT MEA3000:	**Maintain small piston engine aircraft pressurisation systems**				
3. Cont'd **Troubleshoot small piston engine aircraft pressurisation systems**	e. Ducting	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Pressure hull sealing	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Aircraft doors and related seals	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Windows and transparent panels	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 where necessary to assist in fault determination.
3.2. Use maintenance manual fault diagnosis guides and logic processes to ensure efficient and accurate troubleshooting to line replacement level.
3.3. Obtain specialist advice, where required, to assist with troubleshooting process.
3.4. Locate pressurisation system faults, and identify and record their causes in maintenance documentation where required, according to standard organisational procedures.
3.5. Determine rectification requirements.

Name of Assessed Person: **Registration:**

UNIT MEA3000:	**Maintain small piston engine aircraft pressurisation systems**				
4. **Remove and install small piston engine aircraft pressurisation system components**	a. Pressure controllers	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Outflow valves	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Safety valves	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Negative pressure relief valves	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance criteria:

4.1. Render system safe according to applicable maintenance manual, and fit isolation tags where necessary to ensure personnel safety.
4.2. Remove pressurisation system component according to applicable maintenance manual and WHS requirements.
4.3. Complete and process required maintenance documentation.
4.4. Tag, seal and package removed components according to specified procedure.
4.5. Check components to be installed to confirm correct part numbers, serviceability, and modification status.
4.6. Carry out installation according to applicable maintenance manual.
4.7. Complete and process required maintenance documentation according to standard organisational procedures.

Name of Assessed Person: **Registration:**

UNIT MEA3000:	**Maintain small piston engine aircraft pressurisation systems**				
4. Cont'd **Remove and install small piston engine aircraft pressurisation system components**	e. Ducting	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Pressure hull sealing	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Aircraft dors and related seals	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	h. Windows and transparent panels	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance criteria:

4.1. Render system safe according to applicable maintenance manual, and fit isolation tags where necessary to ensure personnel safety.
4.2. Remove pressurisation system component according to applicable maintenance manual and WHS requirements.
4.3. Complete and process required maintenance documentation.
4.4. Tag, seal and package removed components according to specified procedure.
4.5. Check components to be installed to confirm correct part numbers, serviceability, and modification status.
4.6. Carry out installation according to applicable maintenance manual.
4.7. Complete and process required maintenance documentation according to standard organisational procedures.

Name of Assessed Person: **Registration:**

Certification of Underpinning Knowledge and Skills to Maintain small piston engine aircraft pressurisation systems

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 a representative range of items of each group listed in the assessment conditions a) to h). 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 MEA3000: Maintain small piston engine aircraft pressurisation systems	
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). **NIL**	
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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