Name of Assessed Person: **Registration:**

UNIT MEA315: Inspect, test and troubleshoot propeller system and components					
1. **Inspect propeller system and components.**	a. Propellers, including spinners, where fitted	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Constant speed, feathering and reversing propeller drives	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Beta control systems and governors	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Controls and linkages	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 Propeller system is visually or physically checked for rigging and external signs of defects in accordance with applicable maintenance manual 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).

Name of Assessed Person: **Registration:**

UNIT MEA315: Inspect, test and troubleshoot propeller system and components									
1. Cont'd **Inspect propeller system and components.**	e.	De-ice/anti-ice equipment **(may be omitted where it is not applicable to the enterprise).**	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 Propeller system is visually or physically checked for rigging and external signs of defects in accordance with applicable maintenance manual 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).

Name of Assessed Person: **Registration:**

UNIT MEA315: Inspect, test and troubleshoot propeller system and components					
2. **Test propeller systems**	a. Propellers, including spinners, where fitted	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Constant speed, feathering and reversing propeller drives	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Beta control systems and governors	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Controls and linkages	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 correctly prepared, in accordance with maintenance manual, for the operation of engine and propeller system.
2.2 Propeller and system are functionally tested in accordance with applicable maintenance manual for evidence of malfunction or defects.
2.3 System calibration or adjustments are performed in accordance with applicable maintenance manual.

Name of Assessed Person: **Registration:**

UNIT MEA315: Inspect, test and troubleshoot propeller system and components									
2. Cont'd **Test propeller systems**	e.	De-ice/anti-ice equipment **(may be omitted where it is not applicable to the enterprise).**	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 correctly prepared, in accordance with maintenance manual, for the operation of engine and propeller system.
2.2 Propeller and system are functionally tested in accordance with applicable maintenance manual for evidence of malfunction or defects.
2.3 System calibration or adjustments are performed in accordance with applicable maintenance manual.

Name of Assessed Person: **Registration:**

UNIT MEA315: Inspect, test and troubleshoot propeller system and components					
3. **Prepare for troubleshooting**	a. Propellers, including spinners, where fitted	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Constant speed, feathering and reversing propeller drives	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Beta control systems and governors	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Controls and linkages	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 an unserviceability.

Name of Assessed Person: **Registration:**

UNIT MEA315: Inspect, test and troubleshoot propeller system and components

3. Cont'd **Prepare for troubleshooting**	e. De-ice/anti-ice equipment **(may be omitted where it is not applicable to the enterprise).**	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 an unserviceability.

Name of Assessed Person: **Registration:**

UNIT MEA315: Inspect, test and troubleshoot propeller system and components					
4. Troubleshoot propeller systems	a. Propellers, including spinners, where fitted	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Constant speed, feathering and reversing propeller drives	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Beta control systems and governors	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Controls and linkages	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 Propeller 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.

Name of Assessed Person: **Registration:**

UNIT MEA315: Inspect, test and troubleshoot propeller system and components

4. Cont'd Troubleshoot propeller systems	e. De-ice/anti-ice equipment **(may be omitted where it is not applicable to the enterprise).**	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 Propeller 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.

Name of Assessed Person: **Registration:**

Certification of Underpinning Knowledge and Skills to Inspect, test and troubleshoot propeller system 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 the following groups listed in the assessment conditions a) to e) that are applicable to the enterprise. ***(Group e) may be omitted where they are not Applicable to the Enterprise).*** This shall be established via the records in the Log of Industrial Experience or, where appropriate, an equivalent Industry Evidence Guide.

UNIT MEA315: Inspect, test and troubleshoot propeller system 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). **307**	
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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