

**Name of Assessed Person:**

**Registration:**

**UNIT MEA306: Remove and install engine and engine system components**

<b>1. Remove engine.</b>	a. Engine change unit or auxiliary power unit (turbo-prop, turbofan, turboshaft, turbojet, piston)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 1.1 Aircraft is prepared and supported and rendered safe in accordance with the applicable maintenance manual and isolation tags are fitted, where necessary, to ensure the safety of personnel and freedom from damage during engine removal.
- 1.2 Removal is carried out in accordance with the 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).
- 1.3 Engine is tagged and prepared for transport or storage in accordance with the specified procedures.
- 1.4 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures.

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<b>2. Remove engine system components</b>	b. Fuel, oil and air system (or induction and super/turbo charger systems in the case of piston engine) components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Engine control system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Ignition or igniter system components	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/or engine system is prepared and rendered safe in accordance with the applicable maintenance manual and isolation tags are fitted, where necessary, to ensure the safety of personnel.
- 2.2 Removal is carried out in accordance with the applicable maintenance manual while observing all relevant WHS requirements, including the use of MSDS and items of PPE.
- 2.3 Engine system component is tagged and prepared for transport or storage in accordance with the specified procedures.
- 2.4 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures.

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2. Cont'd Remove engine system components	e. Starting system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Fire protection system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Accessories and associated drives	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/or engine system is prepared and rendered safe in accordance with the applicable maintenance manual and isolation tags are fitted, where necessary, to ensure the safety of personnel.
- 2.2 Removal is carried out in accordance with the applicable maintenance manual while observing all relevant WHS requirements, including the use of MSDS and items of PPE.
- 2.3 Engine system component is tagged and prepared for transport or storage in accordance with the specified procedures.
- 2.4 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures.

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<b>3. Install engine</b>	a. Engine change unit or auxiliary power unit (turbo-prop, turbofan, turboshaft, turbojet, piston)	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 3.1 Engine to be installed is checked to confirm correct part or model numbers, modification status and serviceability.
- 3.2 Installation is carried out in accordance with the applicable maintenance manual.
- 3.3 Support/safety equipment is removed at the appropriate time to ensure personnel safety and freedom from structural damage.
- 3.4 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures.

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**UNIT MEA306: Remove and install engine and engine system components**

<b>4. Install engine system components</b>	b. Fuel, oil and air system (or induction and super/turbo charger systems in the case of piston engine) components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Engine control system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Ignition or igniter system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

**Performance Criteria:**

- 4.1 Engine components to be installed are checked to confirm correct part or model numbers, modification status and serviceability.
- 4.2 Installation is carried out in accordance with the applicable maintenance manual while observing all relevant WHS requirements, including the use of MSDS and items of PPE.
- 4.3 Support/safety equipment is removed at the appropriate time to ensure personnel safety and freedom from structural damage.
- 4.4 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures.

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<b>4. Cont'd Install engine system components</b>	e. Starting system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	f. Fire protection system components	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	g. Accessories and associated drives	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
Date					
Simulated		Yes No	Yes No	Yes No	

**Performance Criteria:**

- 4.1 Engine components to be installed are checked to confirm correct part or model numbers, modification status and serviceability.
- 4.2 Installation is carried out in accordance with the applicable maintenance manual while observing all relevant WHS requirements, including the use of MSDS and items of PPE.
- 4.3 Support/safety equipment is removed at the appropriate time to ensure personnel safety and freedom from structural damage.
- 4.4 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures.

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Registration: \_\_\_\_\_

**Certification of Underpinning Knowledge and Skills to Remove and install engine and engine system 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 Implementation Guide).

UNIT MEA306: Remove and install engine and engine system 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).  <p style="text-align: center;"><b>107, 154, 155, 156, 157, 158</b></p>	
Evidence has been confirmed of the knowledge requirements for this unit as delivered by a CASR 147 Approved Organisation.  <p style="text-align: center;"><b>OR</b></p> 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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