

AA TT PRO 01a

Name of Assessed Person: Registration:

UNIT MEAMEC0065: Repair	and Ove	erhaul Gas Turbine Engine Turbine and Exhaust Section Components							
			No. of Entries	1		2	2	(1)	3
			Tail / Job No.						
	a.	High and low pressure turbine assemblies	LAME Sign.						
1.	Date								
			Simulated	Yes	No	Yes	No	Yes	No
			No. of Entries	1	<u> </u>	2	2	3	3
	b. Free turbine (may be omitted if not applicable to enterprise) Tail / Job No. LAME Sign. Date	Tail / Job No.							
		Date							
			Simulated	Yes	No	Yes	No	Yes	No
Determine Requirements			No. of Entries	1	Ĺ	2	2	3	3
		Automatic turbine rotor clearance control system (may be	Tail / Job No.						
	C.	omitted if not applicable to enterprise)	LAME Sign.					<u> </u>	
		officea if not appreadic to effectivise,	Date					<u> </u>	
			Simulated	Yes	No	Yes	No	Yes	No
			No. of Entries	1	L	2	2	3	3
			Tail / Job No.					<u> </u>	
	d.	Engine tail cone and exhaust struts	LAME Sign.					<u> </u>	
			Date					<u> </u>	
		Simulated	Yes	No	Yes	No	Yes	No	

- 1.1 Interpret and match component defect reports (removal tags) or customer order by part and serial numbers.
- 1.2 Inspect and/or operate turbine and exhaust section components through prescribed test procedures to establish serviceability and confirm defects, when required.
- 1.3 Clearly establish modification status to assist in determining the overhaul requirements for the components.
- 1.4 Identify and document extent of overhaul or repair in accordance with standard enterprise procedures.



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UNIT MEAM	EC0065	: Repair and Overhaul Gas Turbine Engine Turbine and Exhaust Section	on Components						
1. Cont'd.			No. of Entries	1	<u>L</u>	2	2		3
			Tail / Job No.						
	e.	Jet pipe that is part of the engine change unit or module	LAME Sign.						
		Date	Date						
	Simulate	Simulated	Yes	No	Yes	No	Yes	No	
			No. of Entries	1		2	2		3
	f.		Tail / Job No.						
Determine Requirements		Thrust reversers (may be omitted if not applicable to enterprise)	LAME Sign.						
Determine Requirements			Date						
		Simulated	Yes	No	Yes	No	Yes	No	
			No. of Entries	1	L	2	2		3
	~	Afterburner system where it is part of the engine change unit or	Tail / Job No.						
	g.	module (may be omitted if not applicable to enterprise)	LAME Sign.						
		module (may be officed if not applicable to enterprise)	Date						
			Simulated	Yes	No	Yes	No	Yes	No

- 1.1 Interpret and match component defect reports (removal tags) or customer order by part and serial numbers.
- 1.2 Inspect and/or operate turbine and exhaust section components through prescribed test procedures to establish serviceability and confirm defects, when required.
- 1.3 Clearly establish modification status to assist in determining the overhaul requirements for the components.
- 1.4 Identify and document extent of overhaul or repair in accordance with standard enterprise procedures.



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			No. of Entries	1		2	3	3
			Tail / Job No.					
	a.	High and low pressure turbine assemblies	LAME Sign.					
	Date							
			Simulated	Yes No	Yes	No	Yes	No
	b. Free turbine (may be omitted if not applicable to enterprise) Tail / Job No. LAME Sign. Date	No. of Entries	1		2	;	3	
2. Troubleshoot Turbine and								
		Date						
			Simulated	Yes No	Yes	No	Yes	No
Exhaust System Components			No. of Entries	1		2	:	3
Zanadst System components		Automatic turbine rotor clearance control system (may be	Tail / Job No.					
	C.	omitted if not applicable to enterprise)	LAME Sign.					
		onneced if not appreciate to enterprise,	Date					
			Simulated	Yes No	Yes	No	Yes	No
			No. of Entries	1		2	3	3
			Tail / Job No.					
	d.	Engine tail cone and exhaust struts	LAME Sign.					
			Date					
			Simulated	Yes No	Yes	No	Yes	No

- 2.1 Use available information from maintenance records and test results, when required, to assist in fault determination.
- 2.2 Use logical processes to ensure efficient and accurate troubleshooting.
- 2.3 Obtain specialist advice, when required, to assist with, or confirm, the fault and rectification requirement.
- 2.4 Locate turbine and exhaust section component faults and clearly identify the causes of the faults.
- 2.5 Determine fault rectification requirements to assist in planning the repair.



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UNIT MEAMEC0065: Repair a	and Ove	rhaul Gas Turbine Engine Turbine and Exhaust Section Components							
e. 2. Cont'd. Troubleshoot Turbine and f.			No. of Entries	1		2) -	3	3
			Tail / Job No.						
	e.	Jet pipe that is part of the engine change unit or module	LAME Sign.						
			Date						
			Simulated	Yes	No	Yes	No	Yes	No
			No. of Entries	1		2			3
			Tail / Job No.	1 2					
	f.	Thrust reversers (may be omitted if not applicable to enterprise)	LAME Sign.						
Exhaust System Components			Date						
		Simulated	Yes	No	Yes	No	Yes	No	
			No. of Entries	1		2) -	***	3
	_	Afterburger system where it is part of the engine shapes unit or	Tail / Job No.						
	g.	Afterburner system where it is part of the engine change unit or module (may be omitted if not applicable to enterprise)	LAME Sign.						
		module (may be officed if not applicable to enterprise)	Date						
			Simulated	Yes	No	Yes	No	Yes	No

- 2.1 Use available information from maintenance records and test results, when required, to assist in fault determination.
- 2.2 Use logical processes to ensure efficient and accurate troubleshooting.
- 2.3 Obtain specialist advice, when required, to assist with, or confirm, the fault and rectification requirement.
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UNIT MEAMEC0065: Repair a	and Ove	erhaul Gas Turbine Engine Turbine and Exhaust Section Components							
			No. of Entries	1		2	<u>)</u>	(1)	3
3. Dismantle and Inspect			Tail / Job No.						
	a.	High and low pressure turbine assemblies	LAME Sign.						
	b. Free turbine (may be omitted if not applicable to enterprise) No. of Entries Tail / Job No. LAME Sign. Date								
		Simulated	Yes	No	Yes	No	Yes	No	
		No. of Entries	1		2	<u>)</u>	(1)	3	
		Tail / Job No.							
		LAME Sign.							
		Date							
			Simulated	Yes	No	Yes	No	Yes	No
Turbine and Exhaust System	Δ+		No. of Entries	1		2	<u>)</u>	3	3
Component Parts		Automatic turbine rotor clearance control system (may be	Tail / Job No.						
	C.	omitted if not applicable to enterprise)	LAME Sign.						
		officed if not applicable to effectivises	Date						
			Simulated	Yes	No	Yes	No	Yes	No
			No. of Entries	1		2	<u> </u>		3
			Tail / Job No.						
	d.	Engine tail cone and exhaust struts	LAME Sign.						
		Da	Date						
			Simulated	Yes	No	Yes	No	Yes	No

- 3.1 Dismantle turbine and exhaust section component parts in accordance with maintenance manual while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDSs) and items of personal protective equipment (PPE).
- 3.2 Assess component parts for serviceability in accordance with the relevant maintenance documentation.
- 3.3 Tag parts requiring specialist repair and specify repair instructions in accordance with standard enterprise procedures.
- 3.4 Prepare parts requiring non-destructive testing for testing in accordance with the relevant maintenance documentation.
- 3.5 Compile and process parts lists in accordance with standard enterprise procedures.



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UNIT MEAMEC0065: Repair a	and Ove	rhaul Gas Turbine Engine Turbine and Exhaust Section Components				
a. Cont'd.			No. of Entries	1	2	3
	e.		Tail / Job No.			
		Jet pipe that is part of the engine change unit or module	LAME Sign.			
			Date			
		5	Simulated	Yes No	Yes No	Yes No
			No. of Entries	1	2	3
	f. Thrust reversers (may be omitted if not applicable to enterprise)		Tail / Job No.			
Dismantle and Inspect Turbine and Exhaust System		Thrust reversers (may be omitted if not applicable to enterprise)	LAME Sign.			
Component Parts			Date			
component rates		Simulated	Yes No	Yes No	Yes No	
			No. of Entries	1	2	3
	_	Afterhumen system where it is part of the engine shapes unit or	Tail / Job No.			
	g. Afterburner system where it is part of the engine change unit or module (may be omitted if not applicable to enterprise)	LAME Sign.				
		module (may be offitted if not applicable to enterprise)	Date			
			Simulated	Yes No	Yes No	Yes No

- 3.1 Dismantle turbine and exhaust section component parts in accordance with maintenance manual while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDSs) and items of personal protective equipment (PPE).
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UNIT MEAMEC0065: Repair a	and Ove	erhaul Gas Turbine Engine Turbine and Exhaust Section Components							
			No. of Entries	1		2	<u>)</u>	(1)	3
			Tail / Job No.						
	a.	High and low pressure turbine assemblies	LAME Sign.						
4. Repair and modify Turbine and Exhaust System	Date	Date							
			Simulated	Yes	No	Yes	No	Yes	No
			No. of Entries	1		2	2	(1)	3
	Tail / Job No.								
	b.	Free turbine (may be omitted if not applicable to enterprise)	LAME Sign.						
	Date	Date							
			Simulated	Yes	No	Yes	No	Yes	No
Components			No. of Entries	1		2	<u>)</u>	3	3
	_	Automatic turbine rotor clearance control system (may be	Tail / Job No.						
	C.	omitted if not applicable to enterprise)	LAME Sign.						
		officed if not applicable to effectivises	Date						
			Simulated	Yes	No	Yes	No	Yes	No
			No. of Entries	1		2	<u> </u>	3	3
			Tail / Job No.						
	d.	Engine tail cone and exhaust struts	LAME Sign.						
			Date						
			Simulated	Yes	No	Yes	No	Yes	No

Performance Criteria:

- 4.1 Repair or replace component parts in accordance with the relevant maintenance documentation.
- 4.2 Modify components, when required, in accordance with relevant manufacturers' bulletins or procedures and/or customer requirements.

Note:

Repair of component parts may include:

- a. Finishing or re-finishing of metal surfaces through processes, such as polishing and lapping. b. Removal of corrosion within maintenance manual limits.
- c. Replacement of seals and gaskets. d. Replacement of bearings.



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UNIT MEAMEC0065: Repa	r and Ov	verhaul Gas Turbine Engine Turbine and Exhaust Section Components							
			No. of Entries	1		2)		3
			Tail / Job No.						
4. Cont'd. Repair and modify Turbine	e.	Jet pipe that is part of the engine change unit or module	LAME Sign.						
		Date							
			Simulated	Yes	No	Yes	No	Yes	No
			No. of Entries	1		2) -		3
			Tail / Job No.						
and Exhaust System Components	f.	Thrust reversers (may be omitted if not applicable to enterprise)	LAME Sign.						
Components			Date						
			Simulated	Yes	No	Yes	No	Yes	No
			No. of Entries	1		2)		3
		Afterburner system where it is part of the engine schange unit or	Tail / Job No.						
	g.	Afterburner system where it is part of the engine change unit or module (may be omitted if not applicable to enterprise)	LAME Sign.						
		module (may be omitted if not applicable to enterprise)	Date						
			Simulated	Yes	No	Yes	No	Yes	No

Performance Criteria:

- 4.1 Repair or replace component parts in accordance with the relevant maintenance documentation.
- 4.2 Modify components, when required, in accordance with relevant manufacturers' bulletins or procedures and/or customer requirements.

Note:

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- c. Replacement of seals and gaskets. d. Replacement of bearings.



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UNIT MEAMEC0065: Repair	and Ove	erhaul Gas Turbine Engine Turbine and Exhaust Section Components						
			No. of Entries	1		2		3
5. Assemble, Test and Adjust			Tail / Job No.					
	a.	High and low pressure turbine assemblies	LAME Sign.					
	Date Simulated							
		Simulated	Yes No	Yes	No	Yes	No	
			No. of Entries	1		2		3
		b. Free turbine (may be omitted if not applicable to enterprise) Tail / Job No. LAME Sign.						
	b.		LAME Sign.					
	Date	Date						
			Simulated	Yes No	Yes	No	Yes	No
Turbine and Exhaust System			No. of Entries	1		2		3
Components	c.	Automatic turbine rotor clearance control system (may be	Tail / Job No.					
	C.	omitted if not applicable to enterprise)	LAME Sign.					
		officea if not applicable to effectivises	Date					
			Simulated	Yes No	Yes	No	Yes	No
			No. of Entries	1		2	:	3
			Tail / Job No.				<u> </u>	
	d.	Engine tail cone and exhaust struts	LAME Sign.				<u> </u>	
		Date						
			Simulated	Yes No	Yes	No	Yes	No

- 5.1 Balance turbine and exhaust section component parts where required and assemble within specified tolerances and in accordance with the appropriate maintenance documents while observing all relevant WHS requirements, including the use of MSDSs and items of PPE.
- 5.2 Remove support or safety equipment, where fitted, at the appropriate time.
- 5.3 Adjust components to ensure that fits and clearances are within prescribed specifications, and seek required supervisory guidance for complex testing and adjustments.
- 5.4 Tag, seal and pack finished components in accordance with standard enterprise procedures.
- 5.5 Complete required maintenance documentation and modification records and process in accordance with standard enterprise procedures.



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Name of Assessed Person: Registration:

UNIT MEAMEC0065: Repair a	and Ove	rhaul Gas Turbine Engine Turbine and Exhaust Section Components							
			No. of Entries	1		2) -	3	3
	e.	Jet pipe that is part of the engine change unit or module	Tail / Job No.						
5. Cont'd.			LAME Sign.						
			Date						
			Simulated	Yes	No	Yes	No	Yes	No
	f.		No. of Entries	1		2		***	3
			Tail / Job No.						
Assemble, Test and Adjust Turbine and Exhaust System		Thrust reversers (may be omitted if not applicable to enterprise)	LAME Sign.						
Components			Date						
Components			Simulated	Yes	No	Yes	No	Yes	No
			No. of Entries	1		2) -		3
	_	Afterburger system where it is part of the engine shapes unit or	Tail / Job No.						
	g.	Afterburner system where it is part of the engine change unit or	LAME Sign.						
		module (may be omitted if not applicable to enterprise)	Date						
			Simulated	Yes	No	Yes	No	Yes	No

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- $5.5\,$ Complete required maintenance documentation and modification records and process in accordance with standard enterprise procedures .



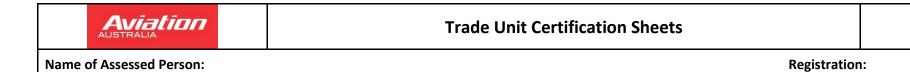
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Name of Assessed Person: Registration:

Certification of Underpinning Knowledge and Skills to Repair and/or Overhaul Gas Turbine Engine Turbine and Exhaust Section 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) item of each group listed in the assessment conditions a) to g). (Groups b, c, f and g) may be omitted where they are not 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 MEAMEC0065: Repair and Overhaul Gas Turbine Engine Turbine and Exhaust Section Components	
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).	
107, 154, 155, 156, 157, 158	
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.	
accordance with the competency onic.	<u>I</u>
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 un	it requirements have been met.
Signed: Assessor No MTO:	Date:



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