Name of Assessed Person: **Registration:**

UNIT MEAMEC0065: Repair and Overhaul Gas Turbine Engine Turbine and Exhaust Section Components					
1. **Determine Requirements**	a. High and low pressure turbine assemblies	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Free turbine ***(may be omitted if not applicable to enterprise)***	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Automatic turbine rotor clearance control system ***(may be omitted if not applicable to enterprise)***	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Engine tail cone and exhaust struts	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

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.

Name of Assessed Person: **Registration:**

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

Performance Criteria:

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.

Name of Assessed Person: **Registration:**

UNIT MEAMEC0065: Repair and Overhaul Gas Turbine Engine Turbine and Exhaust Section Components					
2. **Troubleshoot Turbine and Exhaust System Components**	a. High and low pressure turbine assemblies	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	b. Free turbine ***(may be omitted if not applicable to enterprise)***	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	c. Automatic turbine rotor clearance control system ***(may be omitted if not applicable to enterprise)***	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No
	d. Engine tail cone and exhaust struts	No. of Entries	1	2	3
		Tail / Job No.			
		LAME Sign.			
		Date			
		Simulated	Yes No	Yes No	Yes No

Performance Criteria:

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.

Name of Assessed Person: **Registration:**

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

Performance Criteria:

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.

Name of Assessed Person: **Registration:**

UNIT MEAMEC0065: Repair and Overhaul Gas Turbine Engine Turbine and Exhaust Section Components						
3. **Dismantle and Inspect Turbine and Exhaust System Component Parts**	a. High and low pressure turbine assemblies	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	b. Free turbine ***(may be omitted if not applicable to enterprise)***	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	c. Automatic turbine rotor clearance control system ***(may be omitted if not applicable to enterprise)***	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	d. Engine tail cone and exhaust struts	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	

Performance Criteria:

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.

Name of Assessed Person: **Registration:**

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

Performance Criteria:

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.

Name of Assessed Person: **Registration:**

UNIT MEAMEC0065: Repair and Overhaul Gas Turbine Engine Turbine and Exhaust Section Components						
4. **Repair and modify Turbine and Exhaust System Components**	a. High and low pressure turbine assemblies	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	b. Free turbine ***(may be omitted if not applicable to enterprise)***	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	c. Automatic turbine rotor clearance control system ***(may be omitted if not applicable to enterprise)***	No. of Entries	1	2	3	
		Tail / Job No.				
		LAME Sign.				
		Date				
		Simulated	Yes No	Yes No	Yes No	
	d. Engine tail cone and exhaust struts	No. of Entries	1	2	3	
		Tail / Job No.				
		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.

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

Name of Assessed Person: **Registration:**

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

Performance Criteria:

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.

Name of Assessed Person: **Registration:**

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

Performance Criteria:

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 .

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.	

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:** _____

This Page Intentionally Left Blank