

1. Title	Aircraft gas turbine compressor sections repair and/or overhaul
2. Code	EMAMWS442A
3. Range	Repair and/or overhaul activity is usually carried out in a specialist bay or workshop. Including: intakes, rotating and stationary assemblies, frames, sumps, seals, bearings.
4. Level	4
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Working principles</p> <ul style="list-style-type: none"> ◆ Understand the working principles for the aircraft gas turbine compressor <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> ◆ Able to review the maintenance documents and procedures to decide on maintenance task,e.g. confirm fault, repair, overhaul, modify. ◆ Able to confirm the compressor section identity with documentation. ◆ Able to make preparation for the work area and obtain and check the resources in accordance with the procedures,e.g. publications, materials, tools, equipment, safety equipment, environmental conditions established. ◆ Able to make preparation for the compressor section for repair and/or overhaul in accordance with the procedures,e.g. clean, inspect, assess economics of carrying out repair or overhaul. ◆ Able to determine and record the next task in accordance with the procedures.

	<ul style="list-style-type: none">◆ Able to locate defects using troubleshooting techniques appropriate to the defects indications in accordance with the procedures.◆ Able to report and record defects found during troubleshooting in accordance with the procedures.◆ Able to disassemble the component in accordance with the procedures, e.g. clean, label, preserve, segregate, store.◆ Able to report and record the defects found during disassembly in accordance with the procedures.◆ Able to determine and record the rectification action in accordance with the procedures.◆ Able to rectify the defects in accordance with the procedures, e.g. repair, replace, modify, adjust.◆ Able to procure the spare parts and verify their authenticity and serviceability in accordance with the procedures, e.g. identify, inspect.◆ Able to assemble the component in accordance with the procedures.◆ Able to perform inspections in accordance with the procedures. <p>6.3 Professional approach</p> <ul style="list-style-type: none">◆ Able to prepare the component for use, storage or transit in accordance with the procedures, e.g. locking, inhibiting, blanking, packing, labeling.
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	<ul style="list-style-type: none"> ◆ Able to check the resources for serviceability and returned to service or storage in accordance with the procedures, e.g. tools, equipment, safety equipment, publications. ◆ Able to handle the unused parts and materials in accordance with the procedures, e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous. ◆ Able to complete the documentation in accordance with the procedures. ◆ Able to leave the work area in a state which enables the next task to begin in accordance with the procedures.
<p>7. Assessment Criteria</p>	<p>The integral outcome requirement of this UoC are:</p> <ul style="list-style-type: none"> (i) Able to make preparation for the repair and/or overhaul of aircraft gas turbine compressor sections. (ii) Able locate the defects. (iii) Able to repair and/or overhaul the compressor components. (iv) Able to complete all the requirements associated with the repair and/or overhaul task.
<p>8. Remarks</p>	<p>(Ref: HKAR-66 Module 14.1, 15.1 - 15.7)</p> <p>The Credit in this UoC is on the assumption of the person already possessed foundation knowledge in the constructional arrangement and operation of turbine engines.</p> <p>Ref: NZQA - 23161</p>