

1. Title	Aircraft gas turbine engines assembly and disassembly	
2. Code	EMAMWS445A	
3. Range	The disassembly and assembly activity is usually carried out in a specialist bay or workshop, e.g. intake, fan, compressor, combustion, turbine and exhaust modules. removal and installation of internal and external gearboxes, engine mounted accessories and components, oil and fuel systems.	
4. Level	4	
5. Credit	9	
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Preparation</p> <ul style="list-style-type: none"> ◆ Able to review the maintenance documents and procedures to decide on maintenance task. ◆ Able to confirm the engine 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 engine disassembly and assembly in accordance with the procedures, e.g. clean, inspect. ◆ Able to determine and record the next task in accordance with the procedures, e.g. disassemble, assemble, complete the task <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> ◆ Able to disassemble the engine in accordance with the procedures, e.g. clean, label, preserve, segregate, store. 	

6.3 Professional approach

- ◆ Able to report and record the defects found during disassembly in accordance with the procedures.
- ◆ Able to perform inspections after disassemble in accordance with the procedures.
- ◆ Able to procure the spare parts and verify their authenticity and serviceability in accordance with the procedures.
- ◆ Able to assemble the engines in accordance with the procedures.
- ◆ Able to perform inspections after assemble in accordance with the procedures.
- ◆ Able to understand the legislative requirements, aviation authority requirements, manufacturers' publications and the maintenance organizations' approved maintenance practices and requirements in carrying out the task.
- ◆ Able to complete the task within the stipulated duration.
- ◆ Able to make preparation for the engine for use, storage or transit in accordance with the procedures, e.g. locking, inhibiting, blanking, packing, labeling.
- ◆ Able to check the resources for serviceability and return them to service or storage in accordance with the procedures, e.g. tools, equipment, safety equipment, publications.

	<ul style="list-style-type: none"> ◆ 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 is completed in accordance with the procedures. ◆ Able to return the work area in a state which enables the next task to begin in accordance with the procedures.
7. Assessment Criteria	<p>The integral outcome requirement of this UoC are:</p> <ul style="list-style-type: none"> (i) Able to make preparation for the disassembly and assembly of aircraft gas turbine engines. (ii) Able to disassemble aircraft gas turbine engines. (iii) Able to assemble aircraft gas turbine engines. (iv) Able to complete all the requirements associated with the task.
8. Remarks	Ref: NZQA - 23163