1. Title	Aircraft gas turbine engine power augmentation or restoration system components repair and/or overhaul
2. Code	EMAMWS453A
3. Range	The repair and/or overhaul activity is usually carried out in a specialist bay or workshop.
4. Level	4
5. Credit	4
6. Competency	Performance Requirement
	 6.1 Knowledge ◆ Understand the working principles for the power augmentation systems of gas turbine engines, including:
	 ◆ Able to review the maintenance documents and procedures to decide on maintenance task,e.g. confirm fault, repair, overhaul, modify. ◆ Able to confirm the component 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 prepare the component 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, e.g. locate defects, repair, overhaul, test, adjust, complete the task.
- ◆ Able to locate the defects using troubleshooting techniques appropriate to the defects indications in accordance with the procedures.
- ◆ Able to report and record the 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.
- Able to report and record the defects found during disassembly in accordance with the procedures, e.g. inspect, use standards, specifications, precision measuring equipment.
- ♦ Able to determine and record the rectification action in accordance with the procedures.
- ◆ Able to procure the spare parts and verify their authenticity and serviceability in accordance with the procedures, e.g. identify, inspect.
- ◆ Able to rectify the defects in accordance with the procedures, e.g. repair, replace, modify, adjust.
- ◆ Able to assemble the component in accordance with the procedures.
- ♦ Able to perform inspections in accordance with the procedures.

- 6.3 Test and adjustment
- ◆ Able to prepare the component for test in accordance with the procedures.
- ◆ Able to test and adjust the component in accordance with the procedures, e.g. troubleshoot, functionally test, calibrate, adjust, document adjustments and performance.
- ◆ Able to perform the inspections in accordance with the procedures
- 6.4 Professional approach
- ◆ Able to handle the unused parts and materials in accordance with the procedures, e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous.
- ◆ 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 prepare the component for use, storage or transit in accordance with the procedures, e.g. locking, inhibiting, blanking, packing.
- ◆ 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.
- ◆ Able to complete the documentation 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	 The integral outcome requirement of this UoC are: (i) Able to make preparation for the repair and/or overhaul of aircraft gas turbine engine power augmentation or restoration system components. (ii) Able locate the defects. (iii) Able to repair and/or overhaul the components. (iv) Able to test and adjust the components. (v) Able to complete all the requirements associated with the task.
8. Remarks	(Ref: HKAR-66 Module 15.15) The Credit in this UoC is on the assumption of the person already possessed foundation knowledge in the constructional arrangement and operation of gas turbine engines. Ref: NZQA - 3421