

1. Title	Aircraft gas turbine engine thrust reverser systems maintenance
2. Code	EMAMBA404A
3. Range	The aircraft gas turbine engine thrust reverser systems maintenance in this UoC are those normally carried out on the aircraft in the hangar.
4. Level	4
5. Credit	4
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Knowledge ♦ Understand the working principle of the gas turbine engine.</p> <p>6.2 Methods and procedures ♦ Able to review the maintenance documents and procedures to decide on maintenance task.</p> <p style="padding-left: 150px;">♦ Able to obtain and check the resources for serviceability in accordance with the procedures, e.g. publications, tools, equipment, safety equipment, materials.</p> <p style="padding-left: 150px;">♦ Able to confirm the system to be maintained is matched with the aircraft registration and documentation.</p> <p style="padding-left: 150px;">♦ Able to prepare the systems for the application of power and system operation in accordance with the procedures, e.g. cockpit controls match component positions, clearances, isolation tags, warning signs.</p> <p style="padding-left: 150px;">♦ Able to prepare the ground and/or support equipment for gas turbine engine thrust reverser systems maintenance activities in accordance with the procedures.</p>

	<ul style="list-style-type: none"> ◆ Able to determine the serviceability in accordance with the procedures, e.g. inspect, troubleshoot, assess, test. ◆ Able to report and record the defects in accordance with the procedures. ◆ Able to determine the method of rectifying defects in accordance with the procedures. ◆ Able to procure the replacement 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, calibrate, lubricate. ◆ Able to test the gas turbine engine thrust reverser systems to verify their serviceability in accordance with the procedures. ◆ Able to perform the inspections in accordance with the procedures.
6.3 Professional approach	<ul style="list-style-type: none"> ◆ 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 follow instruction manuals to repair and maintain the power augmentation systems.

	<ul style="list-style-type: none"> ◆ Able to complete the task in the work area in accordance with the procedures,e.g. tool control, cleanliness, tidiness, return of publications, systems and aircraft left for next activity. ◆ Able to check the resources for serviceability and returned to service or storage in accordance with the procedures,e.g. tools, equipment, safety equipment. ◆ 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.
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 maintenance of aircraft gas turbine engine thrust reverser systems. (ii) Able locate the defects in engine thrust reverser systems. (iii) Able to restore the airworthiness of engine thrust reverser systems. (iv) Able to complete all the requirements associated with the task.
8. Remarks	Ref: NZQA - 3412