

1. Title	Aeronautical components repairing and fabricating by using boring machines
2. Code	EMAMWS406A
3. Range	Aeronautical components repair and/or fabrications using boring machines are usually carried out on the aircraft in the hangar.
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 confirm the component identity with documentation by comparing serial and part numbers. ◆ Able to establish and record the task in accordance with the procedures. ◆ Able to prepare the work area and obtain resources in accordance with the procedures, e.g. publications, materials, tooling, equipment, spares, safety equipment, environmental conditions. <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> ◆ Able to prepare the machine in accordance with the procedures, e.g. maintained, setup, made safe to work on, guards, isolation procedures, protective equipment. ◆ Able to plan and verify the sequence of operations in accordance with the procedures. ◆ Able to bore the component to shape in accordance with the procedures. ◆ Able to measure and check the component for conformity with specifications. ◆ Able to report, record and rectify the defects in accordance with the procedures.

	<p>6.3 Professional approach</p> <ul style="list-style-type: none"> ◆ Able to perform inspections in accordance with the procedures, e.g. independent, duplicate, progressive ◆ Able to prepare the components for use, storage or transit in accordance with the procedures, e.g. surface protection, packing ◆ Able to complete the documentation in accordance with the procedures, e.g. labels, work cards, release notes, certification. ◆ Able to complete the task within the stipulated duration. ◆ Able to clean, prepare and store the tools and equipment for future use in accordance with the procedures. ◆ Able to handle the hazardous waste materials 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 return the work area in a condition enabling next task to begin in accordance with the procedures.
7. Assessment Criteria	<p>The integral outcome requirement of this UoC is:</p> <p>(i) Able to repair and fabricate the aeronautical component parts using boring machines (overarm, horizontal, bed, vertical, universal) and a range of aeronautical materials.</p>
8. Remarks	Ref: NZQA - 4025