

1. Title	Aeronautical components repairing and/or fabricating by using precision grinding machines
2. Code	EMAMWS408A
3. Range	The aeronautical component repairs and/or fabrication using precision grinding 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"> <li>◆ Able to confirm the component identity with documentation by comparing serial and part numbers.</li> <li>◆ Able to establish and record the task in accordance with the procedures, e.g. repair, fabricate, modify</li> <li>◆ 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.</li> </ul> <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> <li>◆ Able to plan and verify the sequence of operations in accordance with the procedures.</li> <li>◆ Able to ground the components to shape in accordance with the procedures.</li> <li>◆ Able to prepare the machines in accordance with the procedures, e.g. maintained, set up, made safe to work on, guards positioned, isolation procedures complied with, protective equipment</li> <li>◆ Able to measure and check the components for conformity with specifications.</li> </ul>

	<ul style="list-style-type: none"> <li>◆ Able to assess the serviceability of component parts in accordance with the procedures,e.g. dimensional and angular accuracy, profile, surface finish.</li> <li>◆ Able to report, record and rectify the non-conforming components in accordance with the procedures.</li> <li>◆ Able to perform inspections in accordance with the procedures,e.g. independent, duplicate, progressive.</li> <li>◆ Able to prepare the components for use, storage or transit in accordance with the procedures,e.g. surface protection, packing.</li> <li>◆ Able to complete the documentation in accordance with the procedures.</li> </ul> <p>6.3 Professional approach</p> <ul style="list-style-type: none"> <li>◆ 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.</li> <li>◆ Able to complete the task within the stipulated duration.</li> <li>◆ Able to complete the task in the work area in accordance with the procedures,e.g. tool control, cleanliness, tidiness, return of publications, preparation for next activity, return of aircraft and systems to normal.</li> <li>◆ Able to handle the hazardous waste materials in accordance with the procedures.</li> </ul>
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<p>7. Assessment Criteria</p>	<p>The integral outcome requirement of this UoC are:</p> <ul style="list-style-type: none"> <li>(i) Able to make preparation for the fabrication and/or repair of aeronautical components using precision grinding machines.</li> <li>(ii) Able to set up precision grinding machines.</li> <li>(iii) Able to grind the components.</li> <li>(iv) Able to prepare the components for use.</li> <li>(v) Able to complete all the requirements associated with the task.</li> </ul>
<p>8. Remarks</p>	<p>Ref: NZQA - 4028</p>