

1. Title	Aeronautical component parts repairing by flame spraying
2. Code	EMAMWS407A
3. Range	The aeronautical component parts repairs by flame spraying 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 set up and make safe the equipment to work on in accordance with the procedures, e.g. guards, isolation procedures, protective equipment. ◆ Able to maintain the equipment in accordance with the procedures. ◆ Able to plan and verify the sequence of operations in accordance with the procedures. ◆ Able to flame spray the component in accordance with the procedures. ◆ Able to measure and check the component for conformity with specifications, e.g. dimensional accuracy, profile, surface finish.

	<p>6.3 Professional approach</p> <ul style="list-style-type: none"> ◆ Able to report, record and rectify the defects in accordance with the procedures. ◆ Able to handle the unserviceable parts and materials in accordance with the procedures, e.g. identification labeling, destruction and dispatch. ◆ 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 shape the aeronautical component parts by flame spraying.</p>
8. Remarks	Ref: NZQA - 4027