

1. Title	Aeronautical wooden structural components repair and fabrication
2. Code	EMAMWS465A
3. Range	Aircraft metal structure repair and/or modify are usually performed in an aircraft hangar or workshop by using appropriate tools or machines. Aircraft structure refers to - aircraft metal structures such as fuselages, empennages, wings, flight control surfaces, doors and panels.
4. Level	4
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Knowledge ♦ Understand the characteristic of the aeronautical wooden structural components.</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: 100px;">♦ Able obtain and check the resources for serviceability or status in accordance with the procedures,e.g. tools, materials, equipment, safety equipment, publications.</p> <p style="padding-left: 100px;">♦ Able to select the material to meet specifications in accordance with the procedures.</p> <p style="padding-left: 100px;">♦ Able to jig the component to meet task requirements in accordance with the procedures.</p> <p style="padding-left: 100px;">♦ Able to fabricate or repair the item to meet specifications in accordance with the procedures,e.g. shaping, joining, splicing, gluing, clamping.</p> <p style="padding-left: 100px;">♦ Able to rectify the non-conformities in accordance with the procedures.</p>

	<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 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 item for storage, transit or use in accordance with the procedures. ◆ Able to check the resources for serviceability and return the resources in accordance with the procedures, e.g. tools, equipment, safety equipment, publications. ◆ Able to return the work area in a condition enabling the next task to begin. ◆ Able to handle the unused items, 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, e.g. labels, work cards, release notes, log books, certification.
7. Assessment Criteria	<p>The integral outcome requirement of this UoC is:</p> <p>(i) Able to fabricate and repair the aeronautical wooden structural components including spars, longerons, stringers, ribs, and plywood skin.</p>
8. Remarks	Ref: NZQA - 4076