| 1. Title | Composite aeronautical components fabrication and repair at room temperature |
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| 2. Code | EMAMWS403A |
| 3. Range | Composite aeronautical component repair and fabrication are usually carried out on the aircraft in the hangar. <br> Room temperature is that where materials are cured below 65 degrees Celsius (150 degrees Fahrenheit) |
| 4. Level | 4 |
| 5. Credit | 9 |
| 6. Competency | 6.1 Preparation <br> - Able to review the documents and procedures. <br> - Able to set up the work environment in accordance with the procedures,e.g. publications, materials, tooling, equipment, safety equipment, environmental conditions established <br> - Able to plan the fabrication and repair task in accordance with the procedures,e.g. inspection, damage determination <br> - Able to obtain and check the resources for serviceability or status in accordance with the procedures,e.g. tools, equipment, safety equipment, publications, materials <br> - Able to produce the repair or manufacturing sketches to meet specifications. <br> - Able to make preparation for the component in accordance with manufacturer's instructions,e.g. cleaned, disassembled, support tooling attached, damage removed, surface prepared. |



|  | - Able to complete the documentation in accordance with the procedures. <br> 6.3 Professional approach <br> - Able to complete the task within the stipulated duration. <br> - Able to handle the unused items, parts, and materials are disposed of in accordance with the procedures,e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous. <br> - Able to understand the legislative requirements, aviation authority requirements, manufacturers' publications and the maintenance organizations' approved maintenance practices and requirements. <br> - 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. <br> - Abel to check the resources for serviceability and return them to service or storage in accordance with the procedures, e.g. tools, equipment, safety equipment, procedures. |
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| 7. Assessment Criteria | The integral outcome requirement of this UoC are: <br> (i) Able to make preparation for fabrication and repair of composite aeronautical components at room temperature. <br> (ii) Able to lay up the fabrication and repair materials. <br> (iii) Able to restore the components and prepare components for use. <br> (iv) Able to complete all the requirements associated with the task. |
| 8. Remarks | Ref: NZQA - 4023 |

