

1. Title	Manufacture tooling used to fabricate and repair aeronautical composite components
2. Code	EMAMWS402A
3. Range	The aeronautical composite components tooling design
4. Level	4
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Plan manufacturing tasks</p> <ul style="list-style-type: none"> ◆ Able to review the documents and procedures. ◆ Able to determine the procedure for manufacturing tooling in accordance with the procedures. ◆ Able to obtain and check the resources for serviceability or status in accordance with the procedures, e.g. materials, tools, equipment, safety equipment, publications. ◆ Able to produce the tooling manufacturing sketches, in the absence of approved drawings, to meet specifications <p>6.2 Manufacture or repair composite tooling</p> <ul style="list-style-type: none"> ◆ Able to cut the materials to meet specification, e.g. marking out, wastage minimized. ◆ Able to manufacture or repair the tooling to meet specifications, e.g. cut, formed, joined, inspected, finished. ◆ Able to rectify the manufacturing defects in accordance with the procedures. ◆ Able to make preparation for the tooling for use in accordance with the procedures, e.g. check shape against drawing and master, release agent applied.

6.3 Professional approach

- ◆ Able to make preparation for the tooling for use in accordance with the procedures, e.g. check shape against drawing and master, release agent applied.
- ◆ Able to make preparation for the tooling for storage or transit in accordance with the procedures, e.g. release agent removed, documentation completed, packed, dispatched.
- ◆ Able to perform inspections in accordance with the procedures.
- ◆ Able to complete the documentation in accordance with the procedures.
- ◆ Able to understand the legislative requirements and the current code of practice in carrying out the task.
- ◆ Able to complete the task within the stipulated duration.
- ◆ Able to complete the task in the work area in accordance with the procedures, e.g. tool control, cleanliness, tidiness, return of publications, preparation of next activity, return of aircraft and systems to normal.
- ◆ Able to check the resources for serviceability and return them to service or storage in accordance with the procedures.
Range tools, equipment, safety equipment, procedures.
- ◆ 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.

7. Assessment Criteria	The integral outcome requirement of this UoC are: (i) Able to plan the manufacturing tasks. (ii) Able to manufacture or repair the composite tooling. (iii) Able to complete all the requirements associated with the task.
8. Remarks	Ref: NZQA - 4021