

1. Title	Design tooling used to fabricate and repair aeronautical composite components
2. Code	EMAMWS401A
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 Design tooling</p> <ul style="list-style-type: none"> <li>◆ Able to review the documents and procedures.</li> <li>◆ Able to obtain and check the resources for the serviceability and condition for usage in accordance with the procedures, e.g. equipment, materials and publications.</li> <li>◆ Able to produce tooling manufacturing sketches and/or drawings to meet specifications, e.g. types of tooling, tooling configurations, materials to be used, material and resin characteristics, tolerance build-ups, spring-back allowance, flanged tools, thermal expansion, controlled surfaces, release agents, backup structures, substrate fabrication, prototype, production and/or master tooling, measurements, vendor drawings.</li> <li>◆ Able to complete the documentation 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 obtain certification for completed task in accordance with the procedures.</li> </ul>

