

1. Title	Aeronautical engineering tools and equipment selection, usage, and maintenance
2. Code	EMAMCM306A
3. Range	<p>Tools and equipment may include: hand tools - spanners, screw drivers, pliers, hammers, files, socket sets, torque wrenches, drills, saws, clamps, chisels, drifts, reamers, taps and dies, snips and shears, wire strippers. powered tools and equipment - isolating transformers, extension power leads, portable drills, portable grinders, drill presses, bench grinders, air driven tools, dimplers. support equipment - lifting tackle, jacks, benders and folders, guillotines, grease guns, ladders, stands. measuring and marking out equipment - micrometers, callipers, vernier gauges, dial test indicators, bore gauges, rulers, straight edges, combination set squares and protractors, clinometers, hole and telescopic gauges, limit and comparator gauges and mandrels, surface tables and plates, vee and scribing blocks, squares, level gauges, marking out compounds, scribes.</p> <p>All calibrated tooling and electrical tooling must be within current compliance in accordance with the procedures.</p>
4. Level	3
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Select aeronautical engineering tools and equipment</p> <ul style="list-style-type: none"> ◆ Hand tools are selected for the task in accordance with the procedures. ◆ Powered tools and equipment are selected for the task in accordance with the procedures. ◆ Support equipment is selected and set up for the task in accordance with the procedures. ◆ Measuring and marking out equipment is selected for the task in accordance with the procedures.

	<p>6.2 Apply aeronautical engineering maintenance practices</p> <ul style="list-style-type: none"> ◆ Tools and equipment are used in a safe and efficient manner, to produce the required outcome without damaging components or tooling in accordance with the procedures. ◆ Tools and equipment are maintained in accordance with the procedures, e.g. clean, repair, replace, report defects. ◆ Tools and equipment are stored safely and securely after use in accordance with the procedures.
7. Assessment Criteria	<p>The integral outcome requirement of this UoC are:</p> <ul style="list-style-type: none"> (i) Able to select the aeronautical engineering tools and/or equipment. (ii) Able to use and maintain the aeronautical engineering tools and equipment.
8. Remarks	Ref: NZQA - 3896