

1. Title	Aeronautical components, tooling and machine tools inspection and calibration by using optical tooling	
2. Code	EMAMWS471A	
3. Range	Inspect and calibrate aeronautical components, tooling, and machine tools by optical tooling are usually carried out on the aircraft in the hangar,e.g. examples of precision optical tooling - test stands, theodolites, telescopes, prisms, mirrors	
4. Level	4	
5. Credit	9	
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Prepare to use optical tooling to inspect and calibrate aeronautical components, tooling, and machine tools</p> <ul style="list-style-type: none"> ◆ Able to review the maintenance documents and procedures to decide on maintenance task. ◆ Able to obtain and check the resources for serviceability or status in accordance with the procedures,e.g. tools, equipment, safety equipment, publications. ◆ Able to setup the optical tooling in accordance with the procedures. <p>6.2 Inspect and calibrate</p> <ul style="list-style-type: none"> ◆ Able to inspect and calibrate the tooling in accordance with the procedures,e.g. field, test stand, alignment standards, measurement systems, datum identification. ◆ Able to perform inspections in accordance with the procedures. ◆ Able to inspect and calibrate the items in accordance with the procedures,e.g. tooling, structures, systems, components, machinery. 	

	<p>6.3 Professional approach</p> <ul style="list-style-type: none"> ◆ 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 complete the task in the work area in accordance with the procedures, e.g. activities may include - tool control, cleanliness, tidiness, return of publications, preparation for next activity, return of aircraft and systems to normal. ◆ Able to complete the documentation in accordance with the procedures
<p>7. Assessment Criteria</p>	<p>The integral outcome requirement of this UoC are:</p> <ul style="list-style-type: none"> (i) Able to make preparation for using the optical tools to inspect and calibrate aeronautical components, tooling, and machine tools. (ii) Able to inspect and calibrate the items. (iii) Able to complete all the requirements associated with the task.
<p>8. Remarks</p>	<p>Ref: NZQA - 4030</p>