

1. Title	Aeronautical components repairing and/or fabricating by using turning machines
2. Code	EMAMWS411A
3. Range	The aeronautical component repairs and/or fabrication using turning machines are usually carried out on the aircraft in the hangar.
4. Level	4
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Prepare to fabricate and/or repair components using turning machines</p> <ul style="list-style-type: none"> ◆ Able to confirm the component identity with documentation by comparing serial and part numbers. ◆ Able to determine and record the task in accordance with the procedures, e.g. repair, fabricate, modify. ◆ Able to prepare the work area and obtain resources in accordance with the procedures, e.g. publications, materials, toolings, equipment, spares, safety equipment, environmental conditions. <p>6.2 Methods and procedures of aeronautical component repairs and/or fabrication using turning machines</p> <ul style="list-style-type: none"> ◆ Able to prepare the machines in accordance with the procedures, e.g. maintained, set up, made safe to work on, guards positioned, isolation procedures complied with, protective equipment ◆ Able to plan and verify the sequence of operations in accordance with the procedures. ◆ Able to turn the components to shape in accordance with the procedures. ◆ Able to measure and check the components for conformity with specifications.

	<p data-bbox="371 840 638 929">6.3 Professional approach</p> <ul style="list-style-type: none"> <li data-bbox="734 235 1484 380">◆ Able to report, record and rectify the non-conforming components in accordance with the procedures. <li data-bbox="734 392 1484 537">◆ Able to perform inspections in accordance with the procedures,e.g. independent, duplicate, progressive. <li data-bbox="734 548 1484 694">◆ Able to prepare the components for use, storage or transit in accordance with the procedures,e.g. surface protection, packing. <li data-bbox="734 705 1484 806">◆ Able to complete the documentation in accordance with the procedures. <li data-bbox="734 828 1484 1131">◆ 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. <li data-bbox="734 1142 1484 1243">◆ Able to complete the task within the stipulated duration. <li data-bbox="734 1254 1484 1512">◆ 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. <li data-bbox="734 1523 1484 1624">◆ Able to handle the hazardous waste materials in accordance with the procedures.
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7. Assessment Criteria	The integral outcome requirement of this UoC are: <ul style="list-style-type: none">(i) Able to make preparation for the fabrication and/or repair of aeronautical components using turning machines.(ii) Able to prepare the turning machines and plan sequence.(iii) Able to turn the aeronautical components.(iv) Able to prepare the aeronautical components for use.(v) Able to complete all the requirements associated with the task.
8. Remarks	Ref: NZQA - 4034