

1. Title	Aircraft propellers assembly after shipment
2. Code	EMAMBA402A
3. Range	Assemble aircraft propellers after shipment in an aircraft hangar or workshop during the aircraft grounded time.
4. Level	4
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Construction</p> <ul style="list-style-type: none"> ◆ Understand the construction and operating principles of the propellers, including : <ul style="list-style-type: none"> • Blade element theory • construction of propellers • mechanism of pitch control <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> ◆ Able to confirm the propeller identity with documentation by comparing the serial and part numbers. ◆ Able to make preparation for the work area and, obtain and check the resources for serviceability in accordance with the procedures,e.g. propeller kit, publications, materials, tools, equipment, safety equipment, environmental conditions established. ◆ Able to make preparation for the propeller component parts for assembly in accordance with the procedures,e.g. clean, inspect. ◆ Able to assemble the propeller in accordance with the procedures. ◆ Able to perform inspections in accordance with the procedures.

	<p data-bbox="371 241 639 327">6.3 Professional approach</p> <ul data-bbox="735 241 1484 1765" style="list-style-type: none"><li data-bbox="735 241 1484 539">◆ 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="735 562 1484 645">◆ Able to complete the task within the stipulated duration.<li data-bbox="735 667 1484 750">◆ Able to follow instruction manuals to repair and maintain the system.<li data-bbox="735 772 1484 965">◆ Able to prepare the propeller for use, storage or transit in accordance with the procedures,e.g. locking, inhibiting, blanking, packing.<li data-bbox="735 987 1484 1227">◆ Able to complete the task in the work area in accordance with the procedures,e.g. tool control, cleanliness, tidiness, return of publications, systems and aircraft left for next activity.<li data-bbox="735 1249 1484 1442">◆ Able to handle the unused parts and materials in accordance with the procedures,e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous.<li data-bbox="735 1464 1484 1657">◆ Able to check the resources for serviceability and returned to service or storage in accordance with the procedures,e.g. tools, equipment, safety equipment.<li data-bbox="735 1680 1484 1765">◆ Able to complete the documentation in accordance with the procedures.
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<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 the assembly of aircraft propellers after shipment. (ii) Able to assemble the propellers. (iii) Able to complete all the requirements associated with the assembly of aircraft propellers.
<p>8. Remarks</p>	<p>(Ref: HKAR-66 Module 7.5 & 17)</p> <p>The Credit in this UoC is on the assumption of the person already possessed foundation knowledge in the basic aerodynamics.</p> <p>Ref: NZQA - 3401</p>