

1. Title	Aircraft turbo-prop or turbo-shaft powerplants test on a test bed
2. Code	EMAMWS457A
3. Range	The aircraft turbo-prop or turbo-shaft powerplant testing is usually carried out in an aircraft hangar on a test bed.
4. Level	4
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Preparation</p> <ul style="list-style-type: none"> ◆ Able to review the maintenance documents and procedures to decide on maintenance task. ◆ Able to confirm the powerplant identity with documentation by comparing serial and part numbers. ◆ Able to make preparation for the work area and obtain and check the resources in accordance with the procedures, e.g. publications, materials, tools, test equipment, safety equipment, environmental conditions determined. ◆ Able to prepare the powerplant for testing in accordance with the procedures, e.g. clean, inspect, install on test bed. <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> ◆ Able to take action for abnormal and emergency occurrences in accordance with the procedures. ◆ Able to test and adjust the powerplant in accordance with the procedures, e.g. record data, evaluate data, determine adjustments, troubleshoot, functionally test, calibrate, adjust, document adjustments and performance.

	<p data-bbox="371 734 639 819">6.3 Professional approach</p> <ul style="list-style-type: none"> <li data-bbox="738 241 1481 434">◆ Able to report and record the defects found during testing in accordance with the procedures,e.g. vibrations, out of limits performance parameters, leaks. <li data-bbox="738 456 1481 595">◆ Able to rectify the defects in accordance with the procedures,e.g. vibrations, out of limits performance parameters, leaks. <li data-bbox="738 618 1481 698">◆ Able to perform inspections in accordance with the procedures. <li data-bbox="738 734 1481 1034">◆ 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="738 1057 1481 1137">◆ Able to complete the task within the stipulated duration. <li data-bbox="738 1160 1481 1352">◆ Able to handle the unused parts and materials in accordance with the procedures,e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous. <li data-bbox="738 1375 1481 1563">◆ Able to prepare the powerplant for use, storage or transit in accordance with the procedures,e.g. lock, inhibit, blank, remove from test bed, prepare for transit. <li data-bbox="738 1585 1481 1778">◆ 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.
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	<ul style="list-style-type: none"> ◆ Able to check the resources for serviceability and return them to service or storage in accordance with the procedures, e.g. tools, equipment, safety equipment. ◆ 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 the testing of aircraft turbo-prop or turbo-shaft powerplants. (ii) Able to test the aircraft turbo-prop or turbo-shaft powerplants on a test bed. (iii) Able to complete all the requirements associated with the testing task.
<p>8. Remarks</p>	<p>Ref: NZQA - 20636</p>