

1. Title	Aircraft engines inspection
2. Code	EMAMBG410A
3. Range	The inspection activities referred to in this UoC are those normally carried out on the aircraft in the hangar.
4. Level	4
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Knowledge</p> <ul style="list-style-type: none"> <li>◆ Understand the scope of inspection of engines, covering : <ul style="list-style-type: none"> <li>• engine construction</li> <li>• criteria, tolerances and data specified by engine manufacturers</li> </ul> </li> <li>◆ Understand the uses of engine data to be collected.</li> </ul> <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> <li>◆ Able to determine the requirement for inspection by reviewing maintenance documentation and procedures.</li> <li>◆ Able to confirm the engine identity with documentation by comparing serial and part numbers.</li> <li>◆ Able to make preparation for the engine for inspection in accordance with the procedures,e.g. clean, gain access.</li> <li>◆ Able to prepare the work area, obtain and check the resources for serviceability or status in accordance with the procedures,e.g. publications, materials, tools, test equipment, safety equipment, environmental conditions established.</li> </ul>

	<p data-bbox="371 573 639 663">6.3 Professional approach</p> <ul data-bbox="735 241 1484 1776" style="list-style-type: none"><li data-bbox="735 241 1484 383">◆ Able to inspect the engine in accordance with the procedures,e.g. visual inspection, optically aided visual inspection.</li><li data-bbox="735 400 1484 542">◆ Able to report and record the defects found during inspection in accordance with the procedures.</li><li data-bbox="735 573 1484 875">◆ 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><li data-bbox="735 896 1484 981">◆ Able to complete the task within the stipulated duration.</li><li data-bbox="735 1001 1484 1245">◆ 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><li data-bbox="735 1265 1484 1462">◆ 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.</li><li data-bbox="735 1482 1484 1677">◆ Able to handle the unused parts and materials in accordance with the procedures,e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous.</li><li data-bbox="735 1697 1484 1776">◆ Able to complete the documentation in accordance with the procedures.</li></ul>
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7. Assessment Criteria	The integral outcome requirement of this UoC are: (i) Able to make preparation for the inspection of aircraft engines. (ii) Able to inspect the engines. (iii) Able to complete all the requirements associated with the aircraft engines inspection.
8. Remarks	(Ref: HKAR-66 Module 16.3 & 16.12) The Credit in this UoC is on the assumption of the person already possessed foundation knowledge in the inspection skills. Ref: NZQA - 3403