

1. Title	Aircraft refuel
2. Code	EMAMAG310A
3. Range	Refuel aircraft is usually carried out in an aircraft ramp and may be assessed against the use of pressurized or gravity systems.
4. Level	3
5. Credit	2
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Knowledge      ♦ Understand the operation principles of aircraft fueling systems.</p> <p>6.2 Methods and procedures      ♦ Able to review the aircraft servicing documents and procedures.</p> <p style="padding-left: 100px;">♦ Able to check the suitability for environmental conditions in which the task is to be carried out in accordance with the procedures,e.g. precipitation, lightning, airborne dust and/or debris.</p> <p style="padding-left: 100px;">♦ Able to obtain and check the resources for serviceability or status in accordance with the procedures,e.g. publications, tools, safety equipment, support equipment, refueling equipment.</p> <p style="padding-left: 100px;">♦ Able to calculate the quantity or weight of fuel to be loaded in accordance with the procedures,e.g. gallons, liters, pounds, kilograms, specific gravity.</p> <p style="padding-left: 100px;">♦ Able to confirm the system to be refueled is matched with aircraft registration and documentation.</p>

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|  | <ul style="list-style-type: none"><li>◆ Able to make preparation and check the ground equipment and aircraft in accordance with the procedures,e.g. pumps, ground power units, stands, fire extinguishers.</li><li>◆ Able to set up the aircraft and system for the application and removal of power and for system operation in accordance with the procedures,e.g. cockpit controls match component positions, clearances obtained, isolation tags fitted/removed, warning signs positioned, aircraft leveled, aircraft positioned, ignition sources eliminated.</li><li>◆ Able to confirm the fuel, containers and equipment are matched with system to be refueled in accordance with the procedures.</li><li>◆ Able to refuel the aircraft in accordance with the procedures,e.g. fuel quality checked, bonding attached, refueling equipment connected, distribution sequence and quantity monitored and controlled.</li><li>◆ Able to take initial action in event of abnormal situations in accordance with the procedures,e.g. fire, spillage, personal contamination by fuel.</li></ul> |
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	<p>6.3 Professional approach</p> <ul style="list-style-type: none"> <li>◆ 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>◆ Able to complete the task within the stipulated duration.</li> <li>◆ Able to return the aircraft, system and work areas in a state that enables the next task to begin in accordance with the procedures.</li> <li>◆ Able to check and return the resources for serviceability in accordance with the procedures</li> <li>◆ Able to report and record the non-conformities and abnormal situations in accordance with the procedures.</li> <li>◆ Able to complete the documentation in accordance with the procedures.</li> </ul>
<p>7. Assessment Criteria</p>	<p>The integral outcome requirement of this UoC are:</p> <ul style="list-style-type: none"> <li>(i) Able to make preparation for the refueling of aircraft.</li> <li>(ii) Able to refuel the aircraft.</li> <li>(iii) Able to complete all the requirements associated with the refueling tasks.</li> </ul>
<p>8. Remarks</p>	<p>Ref: NZQA - 20634</p>