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| 1. Title | Aircraft defuel |
| 2. Code | EMAMAG302A |
| 3. Range | Aircraft defueling is usually carried out in an aircraft hangar or workshop during the aircraft non-flight time. |
| 4. Level | 3 |
| 5. Credit | 2 |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Prepare to defuel aircraft</p> <ul style="list-style-type: none"> ◆ Able to review the maintenance documents and procedures to decide on maintenance task. ◆ Able to check the environmental conditions in which the task is to be carried out for suitability in accordance with the procedures, e.g. precipitation, lightning, airborne dust and/or debris. ◆ Able to obtain and check the resources for serviceability or status in accordance with the procedures, e.g. publications, tools, safety equipment, support equipment, defuelling equipment. ◆ Able to prepare the aircraft and ground equipment for defuelling in accordance with the procedures, e.g. pumps, ground power units, stands, fire extinguishers. ◆ Able to calculate the quantity or weight of fuel to be unloaded in accordance with the procedures, e.g. gallons, liters, pounds, kilograms, specific gravity. |

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| | <ul style="list-style-type: none">◆ Able to confirm the system to be defuelled is matched with the aircraft registration and documentation.◆ Able to prepare the aircraft and systems 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. <p>6.2 Method and procedures</p> <ul style="list-style-type: none">◆ Able to confirm the fuel, containers and equipment are matched with system to be defuelled in accordance with the procedures.◆ Able to defuel the aircraft in accordance with the procedures,e.g. fuel quality tested to determine if disposal is required, bonding attached, defuelling equipment connected, defuelling sequence and quantity monitored and controlled if applicable.◆ Able to take initial action in event of abnormal situations in accordance with the procedures,e.g. fire, spillage, personal contamination by fuel. |
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| | <p>6.3 Professional approach</p> <ul style="list-style-type: none"> ◆ 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. ◆ Able to complete the task within the stipulated duration. ◆ Able to return the aircraft, system and work areas in a state that enables the next task to begin in accordance with the procedures. ◆ Able to check the resources for serviceability and returned to service or storage in accordance with the procedures. ◆ Able to report and record the non-conformities and abnormal situations in accordance with the procedures. ◆ 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 use the pressurized or gravity systems. (ii) Able to make preparation for the aircraft defuel. (iii) Able to defuel the aircraft. (iv) Able to complete all the requirements associated with the defuelling tasks. |
| <p>8. Remarks</p> | <p>Ref: NZQA - 20633</p> |