

1. Title	Aircraft flexible fuel tanks repair
2. Code	EMAMWS438A
3. Range	Repair and/or overhaul activity is usually carried out in a specialist bay or workshop.
4. Level	4
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Working principles</p> <ul style="list-style-type: none"> ◆ Understand the construction and working principles for aircraft fuel system. <p>6.2 Method and procedures</p> <ul style="list-style-type: none"> ◆ Able to review the documents and procedures,e.g. confirm fault, repair, overhaul, modify. ◆ Able to confirm the component identity with documentation. ◆ Able to make preparation for the work area and obtain and check the resources for serviceability or status in accordance with the procedures,e.g. publications, materials, tools, equipment, safety equipment, environmental conditions established. ◆ Able to prepare the component for repair and/or overhaul in accordance with the procedures,e.g. clean, inspect, assess economics of carrying out repair. ◆ Able to determine and record the next task in accordance with the procedures,e.g. locate defects, repair and/or overhaul, test, adjust, complete the task

- ◆ Able to locate defects using troubleshooting techniques appropriate to the defects indications in accordance with the procedures.
- ◆ Able to report and record defects found during troubleshooting in accordance with the procedures.
- ◆ Able to disassemble the component in accordance with the procedures, e.g. clean, label, preserve, segregate, store.
- ◆ Able to report and record the defects found during disassembly in accordance with the procedures, e.g. inspect, use standards, specifications, precision measuring equipment.
- ◆ Able to determine and record the rectification action in accordance with the procedures.
- ◆ Able to procure the spare parts and verify their authenticity and serviceability in accordance with the procedures, e.g. identify, inspect.
- ◆ Able to rectify the defects in accordance with the procedures, e.g. repair, replace, modify, adjust.
- ◆ Able to assemble the component in accordance with the procedures.
- ◆ Able to perform inspections in accordance with the procedures.
- ◆ Able to prepare the component for test in accordance with the procedures.

	<p data-bbox="371 241 639 327">6.3 Professional approach</p> <ul data-bbox="735 241 1484 1659" 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 862">◆ Able to prepare the component for use, storage or transit in accordance with the procedures,e.g. locking, inhibiting, blanking, packing<li data-bbox="735 884 1484 1079">◆ Able to check the resources for serviceability and returned to service or storage in accordance with the procedures,e.g. tools, equipment, safety equipment, publications.<li data-bbox="735 1102 1484 1296">◆ 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 1319 1484 1514">◆ Able to complete the documentation in accordance with the procedures,e.g. labels, work cards, release notes, log books, shelf-life requirement, certification.<li data-bbox="735 1536 1484 1659">◆ Able to leave the work area in a state which enables the next task to begin in accordance with the procedures.
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7. Assessment Criteria	The integral outcome requirement of this UoC are: <ul style="list-style-type: none">(i) Able to make preparation for the repair of aircraft flexible fuel tanks.(ii) Able to locate the defects.(iii) Able to repair the components.(iv) Able to test and adjust the components.(v) Able to complete all the requirements associated with the repair tasks.
8. Remarks	Ref: NZQA - 3942