

1. Title	Aircraft fuel distribution system components repair and/or overhaul
2. Code	EMAMWS434A
3. Range	Repair and/or overhaul activity is usually carried out in a specialist bay or workshop, e.g. pumps, valves, filters, mechanical indicating components.
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 the fuel distribution system components in aircraft. <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 prepare the work area, 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 and/or overhaul. ◆ 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.

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| | <ul style="list-style-type: none">◆ 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 and/or overhaul, 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. |
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6.3 Professional approach

- ◆ Able to test and adjust the component in accordance with the procedures, e.g. troubleshoot, functionally test, calibrate, adjust, document adjustments and performance.
- ◆ Able to perform inspections after the test in accordance with the procedures.
- ◆ 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 prepare the component for use, storage or transit in accordance with the procedures, e.g. locking, inhibiting, blanking, packing
- ◆ Able to complete the task within the stipulated duration.
- ◆ 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.
- ◆ Able to handle the unused parts and materials in accordance with the procedures, e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous.
- ◆ Able to complete the documentation in accordance with the procedures, e.g. labels, work cards, release notes, log books, shelf-life requirement, certification.

	<ul style="list-style-type: none"> ◆ Able to leave the work area in a state which enables the next task to begin in accordance with the procedures.
7. Assessment Criteria	<p>The integral outcome requirement of this UoC are:</p> <ul style="list-style-type: none"> (i) Able to make preparation for the repair and/or overhaul of aircraft fuel distribution system components. (ii) Able to locate the defects. (iii) Able to repair and/or overhaul the components. (iv) Able to test and adjust the components. (v) Able to complete all the requirements associated with the repair and/or overhaul tasks.
8. Remarks	<p>(Ref: HKAR-66 Module 11.3.2, 11.10 & 12.11)</p> <p>The Credit in this UoC is on the assumption of the person already possessed foundation knowledge in the manipulation of common tools.</p> <p>Ref: NZQA - 3938</p>