

1. Title	Aircraft wiring loom and harness assemblies Repair and/or fabrication
2. Code	EMAMAV448A
3. Range	Aircraft wiring loom and harness assemblies repair and/or fabricate activity is usually carried out in a specialist bay or workshop on components that have been removed from the aircraft.
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"> <li>◆ Understand the working principles for the aircraft wiring loom and harness assemblies.</li> </ul> <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> <li>◆ Able to review the maintenance documents and procedures to decide on maintenance task.</li> <li>◆ Able to confirm the component identification is matched to the documentation in accordance with the procedures.</li> <li>◆ Able to obtain the resources check them for serviceability or status in accordance with the procedures, e.g. tools, materials, equipment, safety equipment, publications.</li> <li>◆ Able to find and analyze the defects in accordance with the procedures.</li> <li>◆ Able to repair and/or fabricate the Harness assemblies and wiring looms accordance with procedures, e.g. wire stripping, wire marking and labeling, crimping, soldering, potting, lacing, plugs and connectors removed and fitted, corrosion/contamination control, vibration and flexing control</li> </ul>

	<p>6.3 Professional approach</p> <ul style="list-style-type: none"> <li>◆ Able to rectify the defects in accordance with the procedures, e.g. repair, replace, modify, adjust</li> <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 complete the documentation in accordance with the procedures, e.g. labels, work cards, release notes, log books, certification.</li> </ul>
7. Assessment Criteria	<p>The integral outcome requirement of this UoC is:</p> <p>(i) Able to repair and/or fabricate the aircraft wiring loom and harness assemblies.</p>
8. Remarks	Ref: NZQA - 3955