

1. Title	Aircraft flight control surfaces balancing
2. Code	EMAMWS304A
3. Range	Aircraft flight control surfaces balancing are performed in an aircraft hangar or workshop by using appropriate tools or machinery.
4. Level	3
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Knowledge      ♦ Understand the characteristics of the sheet metals used in aircrafts.</p> <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 obtain and check the resources for serviceability or status in accordance with the procedures, e.g. tools, materials, equipment, safety equipment, publications.</li> <li>♦ Able to set up the balancing equipment and mount the control surface in accordance with the procedures.</li> <li>♦ Able to balance the control surface to meet specifications in accordance with the procedures, e.g. check balance, calculate adjustments, fit, remove and/or adjust balance weights.</li> <li>♦ Able to prepare the item for storage, transit or use in accordance with the procedures.</li> </ul>

	<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 work area in a condition enabling the next task to begin.</li> <li>◆ Able to check and return the resources for serviceability in accordance with the procedures, e.g. tools, equipment, safety equipment, publications.</li> <li>◆ Able to handle unused items, parts and materials in accordance with the procedures, e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous.</li> <li>◆ Able to complete the documentation in accordance with the procedures, e.g. labels, work cards, work orders, release notes, log books, certification.</li> </ul>
7. Assessment Criteria	<p>The integral outcome requirement of this UoC is:</p> <p>(i) Able to statically balance the aircraft flight control surfaces. Balancing of helicopter rotary flight control surfaces is covered in separate unit standards.</p>
8. Remarks	Ref: NZQA - 4067