

1. Title	Aircraft weighing
2. Code	EMAMAG327A
3. Range	Aircraft weighing should be done in an aircraft hangar or workshop during the aircraft grounded time. This skill is applicable to tasks such as updating the data record of aircraft or application for certification.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Basic theories of Mechanics</p> <ul style="list-style-type: none"> <li>◆ Understand the basic theories of Mechanics that can aid in aircraft weighing, such as : <ul style="list-style-type: none"> <li>• use of vector diagrams to determine the equilibrium aircraft in the weighing process</li> <li>• determination of the effectiveness of aircraft jacking (velocity ration, mechanical advantage etc.)</li> </ul> </li> </ul> <p>6.2 Methods and procedures</p> <ul style="list-style-type: none"> <li>◆ Able to perform the weighing and subsequent record in accordance with the procedures, including : <ul style="list-style-type: none"> <li>• draining out of fluids e.g. portable drinking water</li> <li>• taxiing the aircraft in an appropriate location and direction</li> </ul> </li> </ul> <p>6.3 Professional approach</p> <ul style="list-style-type: none"> <li>◆ Able to take every necessary measures to allow the work to be done in a safe manner : <ul style="list-style-type: none"> <li>• cordon off the site to prevent trespassers</li> <li>• securely jacking the aircraft</li> </ul> </li> <li>◆ Able to complete the task within the stipulated duration.</li> </ul>

7. Assessment Criteria	The integral outcome requirements of this UoC are: (i) Able to perform the aircraft jacking correctly and safely. (ii) Able to perform the weighing and maintain the aircraft weighing records.
8. Remarks	(Ref: HKAR-66 Module 2.2 & 7.16) The Credit in this UoC is on the assumption of the person already possessed basic knowledge in aircraft handling and work safety.