

1. Title	Magnetic shielding selection and installation into electronic systems
2. Code	EMAMCM203A
3. Range	Installation or maintenance of electronic system is usually carried out in a specialist bay or workshop
4. Level	2
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Theory                      ♦ Understand the theory of magnetism, including :</p> <ul style="list-style-type: none"> <li>• magnetization and demagnetization</li> <li>• methods of magnetic shielding</li> <li>• possible electromagnetic environment and influences on maintenance practices</li> </ul> <p>6.2 Methods and procedures                      ♦ Able to provide magnetic shielding to electronic systems that are prone to damages caused by magnetic actions in accordance with the procedures.</p> <p>6.3 Professional approach                      ♦ Able to select and install appropriate magnetic shields to electronic systems in accordance with the procedures.</p> <p>   ♦ Understand the requirements by the aviation industry.</p>
7. Assessment Criteria	<p>The integral outcome requirements of this UoC are:</p> <p>(i) Able to provide magnetic shielding to electronic systems.</p> <p>(ii) Able to describe and quote examples to illustrate different means of magnetic shielding.</p>
8. Remarks	<p>(Ref: HKAR-66 Module 3.10 &amp; 5.14)</p> <p>The Credit in this UoC is on the assumption of the person already possessed foundation knowledge in electrical theories and electrical terminology.</p>