

1. Title	Perform quality management for air-conditioning and refrigeration projects
2. Code	EMACPM505A
3. Range	Apply a wide range of technical and professional knowledge and skills, and carry out project planning, design and control at project management office or work sites, so as to perform quality management for air-conditioning and refrigeration projects.
4. Level	5
5. Credit	12
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of quality management for air-conditioning and refrigeration project</p> <ul style="list-style-type: none"> <li>◆ Understand the concept of project quality management, including: <ul style="list-style-type: none"> <li>• Definition, process, purpose and details of project quality management</li> <li>• Relationship between quality management and project management</li> </ul> </li> <li>◆ Understand the purpose and details of project control</li> <li>◆ Understand the purpose and details of project quality audit</li> </ul> <p>6.2 Quality management methods and procedures for air-conditioning and refrigeration project</p> <ul style="list-style-type: none"> <li>◆ Formulate a quality scheme for the air-conditioning and refrigeration project, including: <ul style="list-style-type: none"> <li>• Determining the quality target, scope and quality standards of the air-conditioning and refrigeration project</li> <li>• Using commonly used tools ( e.g. costs—profits analysis, benchmarking or flow chart ) to formulate a quality scheme for the air-conditioning and refrigeration project</li> </ul> </li> <li>◆ Implement quality assurance for the air-conditioning and refrigeration project, including: <ul style="list-style-type: none"> <li>• Determining the quality standards of the air-conditioning and refrigeration project</li> <li>• Formulating the work flow of quality control</li> <li>• Evaluating the quality system of the air-conditioning and refrigeration project</li> </ul> </li> <li>◆ Implement air-conditioning and refrigeration project quality control, including: <ul style="list-style-type: none"> <li>• Determining the factors affecting the air-conditioning and refrigeration</li> <li>• Using quality control methods to control the quality of the project</li> </ul> </li> </ul>

	<p>6.3 Professionalism in quality management for air-conditioning and refrigeration project</p> <ul style="list-style-type: none"> <li>◆ Conduct quality audit for the air-conditioning and refrigeration project, including: <ul style="list-style-type: none"> <li>• Carrying out preparations for air-conditioning and refrigeration project quality audit</li> <li>• Conducting the quality audit</li> <li>• Submitting the quality deviations report</li> <li>• Following up the implementation of remedial actions</li> </ul> </li> <li>◆ Perform quality management for air-conditioning and refrigeration projects according to legal requirements and codes of practice</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to apply a wide range of technical and professional knowledge and skills, and carry out project planning, design and control at project management office or work sites, so as to complete quality management tasks for air-conditioning and refrigeration projects.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses general knowledge of air-conditioning and refrigeration system and project management.</p>