

1. Title	Measure indoor air quality parameters
2. Code	EMACOR401A
3. Range	Apply specialized knowledge, skills and instruments to measure indoor air quality parameters at air-conditioned areas for indoor air quality assessment.
4. Level	4
5. Credit	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of indoor air quality</p> <ul style="list-style-type: none"> <li>◆ Understand the definition of indoor air pollution and indoor air</li> <li>◆ Understand the various sources of indoor air pollution</li> <li>◆ Understand the characteristics, health effect and prevention of various types of indoor air pollutants</li> <li>◆ Understand the definition and measuring units of various indoor air quality parameters</li> <li>◆ Understand the working principles of measuring instruments of indoor air quality parameters</li> <li>◆ Understand the relationship between indoor air quality and sick building syndrome</li> <li>◆ Understand the present situation of indoor air quality in Hong Kong</li> </ul> <p>6.2 Methods and procedures of measuring indoor air quality</p> <ul style="list-style-type: none"> <li>◆ Measure indoor air quality parameters, including: <ul style="list-style-type: none"> <li>• Select suitable sampling place for measuring indoor air quality</li> <li>• Use instruments to measure indoor air quality parameters (including indoor temperature, relative humidity, air flow speed, carbon dioxide, carbon monoxide, respirable suspended particulate, nitrogen dioxide, ozone, formaldehyde, total-volatile organic compounds, radon and bacteria in the air) so as to complete the measurement report and make recommendations on indoor air quality improvement</li> </ul> </li> </ul> <p>6.3 Professionalism in measuring indoor air quality</p> <ul style="list-style-type: none"> <li>◆ Follow the code of practice to measure indoor air quality parameters at air-conditioned areas</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to apply specialized knowledge, skills and instruments to complete measuring indoor air quality.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses general knowledge of air-conditioning systems.