

1. Title	Apply the knowledge of ventilation systems
2. Code	EMACDE306A
3. Range	Apply the knowledge of ventilation systems, at design studios or ventilation system work sites in the design, installation, commissioning, operation, testing, repair, maintenance and project management of ventilation systems.
4. Level	3
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of ventilation systems</p> <ul style="list-style-type: none"> ◆ Understand the functions of ventilation systems, including: <ul style="list-style-type: none"> • Functions of ventilation systems • Impact of harmful substances in the air on environment and human body • Impact of meteorological condition on human body • Hygienic standard on harmful substances in the air • Ventilation method of preventing harmful substances in the air ◆ Understand the working principles of various types of ventilation systems , including: <ul style="list-style-type: none"> • Working principles of total ventilation • Working principles of spot ventilation ◆ Understand the principles of various types of air purifiers, including: <ul style="list-style-type: none"> • Performance of typical air purifiers • Construction and working principles of typical dust extractors • Construction and working principles of typical air purifiers <p>6.2 Application of knowledge of ventilation systems</p> <ul style="list-style-type: none"> ◆ Apply the knowledge of ventilation systems to solve problems involved in the design, installation, commissioning, operation, testing, repair, maintenance and project management of ventilation systems; communicate with the sector and clients
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to apply the knowledge of ventilation systems to solve problems involved in the design, installation, commissioning, operation, testing, repair, maintenance and project management of ventilation systems; communicate with the sector and clients °</p>
8. Remarks	This unit of competency is applicable to ventilation system engineering practitioners.