

1. Title	Perform basic installation of air duct systems
2. Code	EMACIN206A
3. Range	Perform basic installation of air duct systems at industrial plants and installation sites.
4. Level	2
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of air duct system materials and common terminology</p> <ul style="list-style-type: none"> ◆ Possess knowledge of air duct system materials, including: <ul style="list-style-type: none"> • Properties and applications of typical metallic materials • Properties, specifications and applications of typical sheet metals • Properties, specifications and applications of typical air duct joints • Properties, specifications and applications of typical non-metallic materials • Features and applications of typical flexible air ducts ◆ Understand common terminology and symbols used in drawings of fabricating metallic air ducts. <p>6.2 Methods and procedures of making and installing simple air ducts and accessories</p> <ul style="list-style-type: none"> ◆ Install and dismantle platforms for work at height ◆ Use lifting devices such as chain block, slings, shackles and hooks ◆ Draw developing drawings of air ducts on metal sheets according to the drawing requirements ◆ Fabricate air ducts, including straight rectangular air duct, bend, reducer, offset, round-rectangular transformation according to the relevant DW series requirements of HVCA ◆ Install and join air ducts according to the relevant DW series requirements of HVCA ◆ Fabricate and install hanging frames and accessories for air ducts and relevant equipment, including volume control damper, fire damper, fusible link, non-return damper, handle ∙ vibration reduction joints and air diffusers <p>6.3 Professionalism in installing simple air ducts and accessories</p> <ul style="list-style-type: none"> ◆ Install simple air ducts and accessories according to the relevant DW series requirements of HVCA
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to follow the code of practice to install simple air ducts and accessories systematically and efficiently.</p>
8. Remarks	This unit of competency is applicable to practitioners engaged in general production and installation of air duct systems.