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| 1. Title | Maintain and repair mechanical installations of large-scale water heater systems |
| 2. Code | EMPDOR403A |
| 3. Range | Carry out maintenance and repair of mechanical installations of large-scale water heater systems at repair workshops or work sites. |
| 4. Level | 4 |
| 5. Credits | 3 |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Construction and operating principles of mechanical installations of large-scale water heater systems</p> <ul style="list-style-type: none"> ◆ Understand the construction, functions and operating principles of various types of mechanical installations of water heater systems <p>6.2 Methods and procedures of maintaining and repairing mechanical installations of large-scale water heater systems</p> <ul style="list-style-type: none"> ◆ Master the procedures and methods of maintaining and repairing various types of water heater systems and installations, including the procedures of inspection, cleaning, installation, removal, replacement, repair and testing ◆ Assess the damage condition of accessories such as switching valves and pipes ◆ Diagnose the problems and repair or replace damaged accessories ◆ Use appropriate testing equipment to conduct functional tests independently after repair <p>6.3 Professionalism in maintaining and repairing mechanical installations of large-scale water heater systems</p> <ul style="list-style-type: none"> ◆ Carry out maintenance and repair of mechanical installations of water heater systems independently according to repair instructions and specifications ◆ Understand the safety guidelines required by the law and codes of practice in maintaining and repairing mechanical installations of water heater systems |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to assess the damage condition of large-scale water heater systems, diagnose the problems and repair or replace damaged accessories; and</p> <p>(ii) Capable to maintain and repair various types of mechanical installations of large-scale water heater systems efficiently and correctly.</p> |
| 8. Remarks | The credit value of this unit of competency is set on the presumption that the person already possesses knowledge and skill in maintaining and repairing plumbing mechanical installations. |