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| 1. Title | Maintain and repair power supply and control equipment of water supply systems |
| 2. Code | EMPDOR304A |
| 3. Range | Carry out repair and maintenance of power supply and control equipment of water supply systems at repair workshops or work sites according to repair instructions and standards. |
| 4. Level | 3 |
| 5. Credits | 3 |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Construction and operating principles of power supply and control equipment of water supply systems</p> <ul style="list-style-type: none"> ◆ Understand the construction, functions and operating principles of various types of power supply and control equipment of general water supply systems, including: <ul style="list-style-type: none"> • Indirect water supply systems (including fresh water and flush water) • Pressurized water supply system • Variable speed water pump water supply system <p>6.2 Methods and procedures of repairing and maintaining power supply and control equipment of water supply systems</p> <ul style="list-style-type: none"> ◆ Know the procedures and methods of repairing and maintaining power supply and control equipment of water supply systems and installations, including the procedures of inspection, cleaning, installation, removal, replacement, repair and testing ◆ Examine the damage condition of accessories such as distribution board, wire, conduit, switchgear, control panel, pump motor starter, relay and indicator light according to repair instructions ◆ Diagnose the problems and repair or replace damaged accessories ◆ Use general workshop and worksite equipment and tools effectively ◆ Use appropriate testing equipment such as multi-meter and insulation tester to conduct functional tests after repair <p>6.3 Professionalism in repairing and maintaining power supply and control equipment of water supply systems</p> <ul style="list-style-type: none"> ◆ Carry out maintenance and repair of power supply and control equipment of water supply systems independently according to installation instructions and standards ◆ Understand the safety guidelines as required by the law and the code of practice in undertaking repair and maintenance of power supply and control equipment of water supply systems |
| 7. Assessment Criteria | <p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to perform the tasks of repairing and maintaining power supply and control equipment of water supply 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 elementary knowledge and skill in repairing and maintaining power supply and control equipment of water supply systems. |