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| 1. Title | Install fire detection and alarm systems and equipment | |
| 2. Code | EMFSIN303A | |
| 3. Range | Perform different levels of tasks of installing fire detection and alarm systems and equipment at workshops or equipment installation points. | |
| 4. Level | 3 | |
| 5. Credit | 6 | |
| 6. Competency | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of installing fire detection and alarm systems and equipment</p> <ul style="list-style-type: none"> ◆ Understand the operating principles of various types of fire detection and alarm systems and equipment such as: <ul style="list-style-type: none"> • Conventional (electronic) type • Addressable (intelligent) type ◆ Understand installation drawings of fire detection and alarm systems and equipment ◆ Understand the installation requirements and specifications of such equipment <p>6.2 Methods and procedures of installing fire detection and alarm systems and equipment</p> <ul style="list-style-type: none"> ◆ Master the installation procedures and methods for fire detection and alarm systems and equipment, including the procedures of material checking, assembly, adjustment and testing ◆ Instruct subordinates to carry out installation work safely and of high quality ◆ Select and use suitable fire detection and alarm systems and equipment components and materials ◆ Install and set heat, smoke and flame detectors, audio/visual advisory systems, annunciation panels, batteries and chargers, etc. independently at suitable locations ◆ Select, use and maintain basic workshop equipment and tools for class 1 fire service installation contractors, e.g. threading tools (for conduit), electric drill, bench fitting tools and multi-meter ◆ Use testing tools to conduct functional tests independently after installation <p>6.3 Professionalism in installing fire detection and alarm systems and equipment</p> <ul style="list-style-type: none"> ◆ Perform different levels of tasks of installing fire detection and alarm systems and equipment according to installation instructions ◆ Undertake installation work of fire detection and alarm systems and equipment according to safety guidelines required by the law and codes of practice | |

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| 7. Assessment Criteria | The integrated outcome requirements of this unit of competency are: (i) Capable to complete different levels of installation tasks systematically and efficiently for fire detection and alarm systems and equipment; and (ii) Capable to undertake installation work of fire detection and alarm systems and equipment according to codes of practice and safety guidelines required by the law. |
| 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 installing fire detection and alarm systems and equipment. |