

1. Title	Maintain and repair portable fire extinguishing equipment
2. Code	EMFSOR305A
3. Range	Carry out maintenance and repair of portable fire extinguishing equipment independently at repair workshops or work sites in all kinds of predictable and structured contexts according to repair instructions and standards.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Construction and operating principles of fire extinguisher and fire blanket</p> <ul style="list-style-type: none"> ◆ Understand the construction, functions and operating principles of various types of portable fire extinguishing equipment, including: <ul style="list-style-type: none"> • Carbon dioxide fire extinguisher • Water type fire extinguisher • Dry powder fire extinguisher • Clean agent fire extinguisher • Foam fire extinguisher • Fire blanket <p>6.2 Repair and maintenance methods and procedures of portable fire extinguishing equipment</p> <ul style="list-style-type: none"> ◆ Master the procedures and methods of maintenance and repair of various types of portable fire extinguishing equipment, including the procedures of inspection, repair and testing ◆ Determine the condition and weight of the extinguishing agent and refill or replace accordingly ◆ Examine the damage condition of accessories independently, such as discharge tube, strainers and nozzles, according to repair instructions ◆ Select, use and maintain workshop equipment and tools for class 3 fire service installation contractors ◆ Use appropriate testing equipment to conduct functional tests independently after repair, including hydraulic test and discharge test, to ensure that the extinguishers are in good condition and function properly ◆ Instruct subordinates to carry out maintenance and repair work properly <p>6.3 Professionalism in maintenance and repair of portable fire extinguishing equipment</p> <ul style="list-style-type: none"> ◆ Carry out maintenance and repair of portable fire extinguishing equipment independently according to repair instructions and specifications ◆ Undertake maintenance and repair work of portable fire extinguishing equipment according to safety guidelines required by the law and codes of practice

<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to carry out maintenance and repair of portable fire extinguishing equipment independently; and (ii) Capable to undertake maintenance and repair work of portable fire extinguishing equipment according to codes of practice and legal requirements on safety.
<p>8. Remarks</p>	<p>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 portable fire extinguishing equipment.</p>