

1. Title	Repair boiler combustion equipment and systems
2. Code	EMPERM210A
3. Range	Perform routine repair for boiler combustion equipment and systems in general industrial plants, power plants or other places.
4. Level	2
5. Credits	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure and basic working principles of boiler combustion equipment and systems</p> <ul style="list-style-type: none"> <li>◆ Know about the structure and basic working principles of boiler combustion equipment and systems, including: <ul style="list-style-type: none"> <li>• furnace</li> <li>• burner</li> <li>• ignitor</li> <li>• flame controller</li> <li>• winbox</li> </ul> </li> </ul> <p>6.2 Techniques and procedures of repairing boiler combustion equipment and systems</p> <ul style="list-style-type: none"> <li>◆ Perform repair for boiler combustion equipment and systems including: <ul style="list-style-type: none"> <li>• straight-through flow burner</li> <li>• turbulent flow burner</li> <li>• burner defect</li> <li>• ignitor</li> <li>• conditions of the flame controller and flame</li> </ul> </li> <li>◆ Record the status of equipment before and after repair and the measures taken during repair</li> </ul> <p>6.3 Professionalism in repairing boiler combustion equipment and systems</p> <ul style="list-style-type: none"> <li>◆ Follow the requirements of the codes of practice and manufacturer's repair guidelines to perform repair for the boiler combustion equipment and systems</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to perform routine repair for the boiler combustion equipment and systems under instruction and according to guidelines; and</p> <p>(ii) Capable to complete repair report forms for the boiler combustion equipment and systems.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses general bench fitting techniques and elementary mechanical knowledge.