

1. Title	Repair steam and water systems of boilers
2. Code	EMPERM209A
3. Range	Perform routine repair for steam and water systems of boilers in general industrial plants, power plants or other places.
4. Level	2
5. Credits	9
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure and basic working principles of steam and water systems of boilers</p> <ul style="list-style-type: none"> ◆ Know about the structure and basic working principles of steam and water systems of boilers, including: <ul style="list-style-type: none"> • Steam drum • Downcomer and upriser • Header • Superheater and reheater • Economizer • Positional pointer <p>6.2 Techniques and procedures of repairing steam and water systems of boilers</p> <ul style="list-style-type: none"> ◆ Perform overhaul, general repair and emergency repair for steam and water systems of boilers, including: <ul style="list-style-type: none"> • Water wall tube • Superheater and reheater • Economizer • Steam drum • Heat surface tube • Post-welding heat treatment for pressure loaded parts ◆ Record the status of equipment before and after repair and the measures taken during repair <p>6.3 Professionalism in repairing steam and water systems of boilers</p> <ul style="list-style-type: none"> ◆ Follow the working guidelines to perform repair for the steam and water systems of boilers
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to perform routine repair for the steam and water systems of boilers, including performing this procedure at height, under instruction and according to guidelines; and</p> <p>(ii) Capable to complete repair report forms for the steam and water systems of boilers.</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 safety knowledge.