

1. Title	Startup preparations for boilers		
2. Code	EMPEOM401A		
3. Range	Perform startup of boilers in general industrial plants, power plants or other places.		
4. Level	4		
5. Credits	6		
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Boiler startup principle</p> <ul style="list-style-type: none"> <li>◆ Understand the importance of preparing the startup of boilers</li> <li>◆ Understand the procedures preparing for the startup of boilers</li> <li>◆ Prepare organizational work</li> <li>◆ Check the equipment system</li> </ul> <p>6.2 Methods and procedures preparing for the startup of boilers</p> <ul style="list-style-type: none"> <li>◆ Implement organizational work preparations <ul style="list-style-type: none"> <li>• Formulation of startup plan</li> <li>• Formulation of startup operation procedures</li> <li>• Division of labour for operating personnel</li> <li>• Job sheet recording the process of startup</li> </ul> </li> <li>◆ Perform equipment system check <ul style="list-style-type: none"> <li>• Checking boiler's main body auxiliary equipment and system</li> <li>• Checking control and measuring instruments</li> <li>• Checking system valves' positions</li> <li>• Boiler accessories: safe valve, water level gauge and soot blower</li> <li>• Boiler auxiliaries: water system and its valves, boiler ventilation equipment, dust and soot removal equipment</li> </ul> </li> <li>◆ Perform pre-startup testing</li> <li>◆ Ensure that water has been fed to the boiler to appropriate level</li> </ul> <p>6.3 Professionalism in preparing for the startup of boiler</p> <ul style="list-style-type: none"> <li>◆ Follow manufacturer's instructions and procedures for boiler preparation to perform the startup preparations</li> <li>◆ Prepare for the startup of boiler in compliance with the statutory code of safety and codes of practice</li> <li>◆ Immediately correct and remedy abnormal operating parameters</li> </ul>		

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: <ul style="list-style-type: none"><li>(i) Capable to clearly explain the preparations for the startup of boiler;</li><li>(ii) Capable to perform the preparations for the startup of boiler according to procedures;</li><li>(iii) Capable to compile reports on the preparations for the startup of boiler; and</li><li>(iv) Capable to clearly report the status of preparing for the startup of boiler.</li></ul>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMPEOM307A “Normal running operations and adjustment of boiler”.