

1. Title	Run steam turbine extraction system
2. Code	EMPEOM411A
3. Range	Runsteam turbine extraction system in general industrial plants, power plants or other places.
4. Level	4
5. Credits	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Principles of running turbine main steam and extraction systems</p> <ul style="list-style-type: none"> ◆ Understand the working principles, routine testing and protection requirements for starting up, running and stopping running steam turbine, and their effect on the pressure and temperature of lubrication oil, tail heating, full arc and partial arc steam admission, speed control system, etc. <p>6.2 Methods of running turbine main steam and extraction systems</p> <ul style="list-style-type: none"> ◆ Run the turbine in full arc and partial arc steam admission modes ◆ Run the turbine high and low pressure bled steam system ◆ Run the turbine lubrication oil system ◆ Run the turbine speed control system and related protection equipment <p>6.3 Professionalism in turbine main steam and extraction systems</p> <ul style="list-style-type: none"> ◆ Follow manufacturer’s instructions and procedures of running turbine main steam and extraction system to perform the running task ◆ Follow safety guidelines and the codes of practice to run turbine main steam and extraction systems
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to clearly explain the operational procedures of running turbine main steam and extraction systems;</p> <p>(ii) Capable to run turbine main steam and extraction systems according to running procedures; and</p> <p>(iii) Capable to clearly report the operational status of turbine main steam and extraction systems.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of steam turbine and its auxiliaries.