

1. Title	Install steam turbine control equipment	
2. Code	EMPEIN308A	
3. Range	Install steam turbines in general industrial plants, power plants or other places.	
4. Level	3	
5. Credits	3	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of installation and working principles of steam turbine control equipment</p> <ul style="list-style-type: none"> ◆ Understand the working principles of steam turbine ◆ Understand the technical requirements for installing steam turbine control equipment <p>6.2 Methods and procedures of installing steam turbine control equipment</p> <ul style="list-style-type: none"> ◆ Inspect the steam turbine and correctly measure and adjust the components <ul style="list-style-type: none"> • Measure and adjust bedplate gaps • Measure and adjust bush bearing gaps • Measure and adjust steam turbine flow gaps • Measure and adjust cylinder slope • Measure and adjust steam turbine rotor slope • Measure and adjust steam turbine rotor centre • Allocate cylinder load • Measure axle journal roundness • Measure radial swaying and end offsetting of couplings • Measure and adjust the shaft centre of turbine generating unit ◆ Know the installation and recirculation of control oil system <ul style="list-style-type: none"> • Method of installing system components • Method and procedures of recirculation of control oil system <p>6.3 Professionalism in installing steam turbine control equipment</p> <ul style="list-style-type: none"> ◆ Follow the drawings and engineering requirements to install steam turbine equipment ◆ Control the progress of work according to the engineering requirements so as to meet the quality standards ◆ Follow the safety requirements for work, requirements of the codes of practice and manufacturers' installation guidelines to install steam turbines 	

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: <ul style="list-style-type: none">(i) Capable to install all steam turbine control equipment independently;(ii) Capable to complete simple reports on installation of steam turbine control equipment; and(iii) Capable to clearly report the operational status of steam turbine control equipment.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses general installation bench fitting techniques and elementary mechanical knowledge.