

1. Title	Commissioning of generating unit
2. Code	EMPEIT504A
3. Range	Commissioning of generating unit in general industrial plants, power plants or other places.
4. Level	5
5. Credits	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and techniques for generating unit commissioning</p> <ul style="list-style-type: none"> ◆ Understand basic knowledge of generating unit commissioning such as critical speed ◆ Understand data and technical requirements for generating unit commissioning <p>6.2 Post-installation commissioning and test for generating unit</p> <ul style="list-style-type: none"> ◆ Know commissioning test for generating unit <ul style="list-style-type: none"> • Startup and shutdown • Driving speed and control • Mechanical transmission and running steady state • Grid synchronization and electricity output • No-load and load ◆ Use generating unit commissioning instruments <p>6.3 Professionalism in commissioning generating unit</p> <ul style="list-style-type: none"> ◆ Follow the technical requirements for generating unit to commission ◆ Follow the safety guidelines, codes of practice and manufacturer's commissioning guidelines to commission generating unit
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to perform generating unit commissioning;</p> <p>(ii) Capable to correctly place and install measuring instruments and measure and record the data correctly;</p> <p>(iii) Capable to compile reports on generator commissioning; and</p> <p>(iv) Capable to clearly report the operational status of generator.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person is already familiar with the startup preparation, startup, normal operation and adjustment and shutdown of generating unit.