

1. Title	Shutdown of gas turbines	
2. Code	EMPEOM512A	
3. Range	Perform shutdown operation of gas turbines 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 Operating principle of gas turbine</p> <ul style="list-style-type: none"> ◆ Understand the structure of gas turbine <ul style="list-style-type: none"> • Gas turbine (turbine) or power turbine • Air compressor • Combustion chamber ◆ Understand basic principles of gas turbine operation, including the parts of: <ul style="list-style-type: none"> • Frequency analysis • Inclusion of information on priorities • Mastering the combustion characteristics • Overall control • Understand the procedures preparing for the shutdown of gas turbines <p>6.2 Procedures preparing for the shutdown of gas turbines</p> <ul style="list-style-type: none"> ◆ Know the shutdown procedures for various types of gas turbine and confirm that the operation of gas turbine is normal ◆ Perform the shutdown operation of the gas turbine and its auxiliaries according to the requirements of operation procedure ◆ Perform emergency shutdown of the turbine when an accident occurs ◆ Compile reports on gas turbine shutdown <p>6.3 Professionalism in preparing for the shutdown of gas turbine</p> <ul style="list-style-type: none"> ◆ Follow manufacturer's instructions and procedures for gas turbine operation to perform the shutdown preparations ◆ Prepare for the shutdown of gas turbine in compliance with the statutory code of safety and codes of practice 	
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to clearly explain the shutdown procedures for gas turbine;</p> <p>(ii) Capable to perform the shutdown operation of gas turbine according to procedures;</p> <p>(iii) Capable to compile reports on gas turbine shutdown; and</p> <p>(iv) Capable to clearly report the status of gas turbine.</p>	
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of gas turbine unit.	