

1. Title	Startup and shutdown preparations for factory use compressed gas and auxiliary equipment	
2. Code	EMPEOM313A	
3. Range	Perform startup and shutdown preparations for factory use compressed gas and auxiliary equipment in general industrial plants, power plants or other places.	
4. Level	3	
5. Credits	6	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Operating principle of factory use compressed gas and auxiliary equipment</p> <ul style="list-style-type: none"> ◆ Understand the functions and operating principle of devices in factory use compressed gas and auxiliary equipment ◆ Understand procedures preparing for the startup and shutdown of factory use compressed gas and auxiliary equipment ◆ Understand the importance of implementing procedures preparing for the startup and shutdown of factory use compressed gas and auxiliary equipment <p>6.2 Procedures preparing for the startup and shutdown of factory use compressed gas and auxiliary equipment</p> <ul style="list-style-type: none"> ◆ Use appropriate testing instruments to perform surveying tasks on various types of factory use compressed gas and auxiliary equipment before implementing startup and shutdown of the equipment ◆ Inspect various types of factory use compressed gas and auxiliary equipment before implementing startup and shutdown of the equipment according to operation procedure, such as <ul style="list-style-type: none"> • Checking turning speed • Checking the pressure and amount of lubrication oil • Checking load • Checking intercooler pressure • Checking the compressed gas outlet temperature and flow • Checking valve status • Checking oil leaks • Checking air filter • Checking general safety facilities • Checking the performance of standby compressor ◆ Judge whether various types of factory use compressed gas and auxiliary equipment are suitable for startup or shutdown ◆ Compile reports on startup and shutdown preparations for various types of factory use compressed gas and auxiliary equipment 	

	<p>6.3 Professionalism in startup and shutdown preparations for factory use compressed gas and auxiliary equipment</p> <ul style="list-style-type: none"> ◆ Follow manufacturer’s instructions and procedures of operation to perform startup and shutdown preparations for factory use compressed gas and auxiliary equipment ◆ Perform startup and shutdown preparations for factory use compressed gas and auxiliary equipment in compliance with the code of safety and codes of practice
<p>7. Assessment Criteria</p>	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to clearly explain the procedures preparing for the startup and shutdown of factory use compressed gas and auxiliary equipment; (ii) Capable to perform startup and shutdown preparations independently for factory use compressed gas and auxiliary equipment according to procedures; (iii) Capable to complete simple reports on factory use compressed gas and auxiliary equipment startup and shutdown; and (iv) Capable to clearly report the status of preparation for factory use compressed gas and auxiliary equipment.
<p>8. Remarks</p>	<p>The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of factory use compressed gas and auxiliary equipment.</p>