

1. Title	Supervise the cleaning, testing and commissioning of pipes
2. Code	EMPEIT403A
3. Range	Supervise pipe works 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 Work scope and principles of cleaning, testing and commissioning of pipes</p> <ul style="list-style-type: none"> ◆ Understand the work scope and principles of cleaning, testing and commissioning of pipe works, including the following items for the system: <ul style="list-style-type: none"> • Hydraulic test • Washing and removing dirt • Cleaning • Chemical cleaning treatment • Passivation • Steaming out <p>6.2 Methods and procedures of supervising the cleaning, testing and commissioning of pipes</p> <ul style="list-style-type: none"> ◆ Formulate work requirements and supervise detail test run within the working area <ul style="list-style-type: none"> • Supervise the test run process • Select appropriate washing method • Analyze common defects and suggest solutions • Ensure the implementation of precautions for the procedures, and take appropriate actions when necessary ◆ Record the items of work and analyze the test run ◆ Compile summary report for the items of work <p>6.3 Professionalism in supervising the cleaning, testing and commissioning of pipes</p> <ul style="list-style-type: none"> ◆ Integrate key points for the items of work, formulate suitable safety measures for work and organize implementation procedures for performing supervisory tasks ◆ Follow the code of safety, practical guidelines and contractor's guidelines to perform supervisory tasks
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to supervise the cleaning, testing and commissioning of pipes;</p> <p>(ii) Capable to complete the work test, including correctly recording data and adjusting to standards as required; and</p> <p>(iii) Capable to compile supervisory report on the cleaning, testing and commissioning of pipes.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic mechanical knowledge, piping techniques and chemical knowledge.