

1. Title	Formulate plumbing system enhancement proposals
2. Code	EMPDOR501A
3. Range	Analyze the fault and operation record of the existing plumbing system so as to formulate a plumbing system enhancement proposal.
4. Level	5
5. Credits	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Operation of the existing plumbing system and factors affecting operational efficiency</p> <ul style="list-style-type: none"> ◆ Understand the operation and fault record of the existing plumbing system, and compare to relevant benchmarks ◆ Master professional skills in investigating system operation ◆ Understand internal and external factors affecting the operational efficiency of the existing plumbing system <p>6.2 Formulate plumbing system enhancement proposal</p> <ul style="list-style-type: none"> ◆ Analyze the fault and operation record of the existing plumbing system, and assess the demerits of the system as well as causes and effects of relevant internal and external factors ◆ Formulate short-term and long-term enhancement plans, including modifying the operation, repair and maintenance plan, replacing part of or all of the installations, etc. ◆ Devise procedures, schedule and financial budget for the enhancement plan
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to apply professional skills to explore the demerits and underlying problems of the existing plumbing system, so as to work out a system enhancement proposal.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of general plumbing equipment operation, maintenance and repair.