

1. Title	Perform basic engineering project management
2. Code	EMPDPM401A
3. Range	Master basic knowledge of plumbing project management to perform such work.
4. Level	4
5. Credits	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Basic knowledge of engineering project management</p> <ul style="list-style-type: none"> ◆ Understand all kinds of basic project management theories, e.g. work breakdown structure (WBS), manpower organization chart, project schedule, income and expenditure list, etc. ◆ Understand project planning, job allocation, authority and responsibilities ◆ Understand supervisory techniques for project management such as mastering the work processes, giving orders for different jobs, communicating and reporting effectively, etc. ◆ Understand problems concerning project management, e.g. problem solving mechanism, making reports, etc. <p>6.2 Perform project management for plumbing works</p> <ul style="list-style-type: none"> ◆ Perform basic project management for water works and plumbing projects, including: <ul style="list-style-type: none"> • Mastering the key points of work for plumbing equipment and installations • Arranging the work flow, including: dismantling, installation, inspection, testing, commissioning, repair and maintenance • Arranging the transport of materials and plumbing equipment • Contact different kinds of engineering personnel to coordinate the engineering activities for a smooth completion of every work process • Inspect and report on the progress and problems of the plumbing installation project
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to arrange the work flow of the plumbing project, including the transport of plumbing materials and equipment; and</p> <p>(ii) Capable to set up a reporting mechanism to coordinate the engineering activities for a smooth completion of every work process.</p>
8. Remarks	This unit of competency is suitable for enhancing the competency of staff engaged in plumbing projects. The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of project management.