1. Title	Provide diversified plumbing system design
2. Code	EMPDDE412A
3. Range	Provides different plumbing system designs according to different environment, budgets and limitation.
4. Level	4
5. Credits	4
6. Competency	<u>Performance Requirements</u> 6.1 Plumbing system design concept ♦ Know about design-related laws including: • Waterworks Ordinance and Waterworks Regulations • Land Drainage Ordinance • Environmental laws • Buildings ordinance • Factories & Industrial Undertakings (Safety Management) Regulation • Know about international standard codes of design ♦ Know about the water supply systems, and the design solutions and examples used locally and around the world ♦ Know about basic techniques of cost analysis 6.2 Apply cost analysis in design solutions ♦ Work out design solutions according to client's budget ♦ Draft or provide several cost-effective solutions 6.3 Professional design of plumbing systems ♦ Provide cost-effective design solutions complying with the technical requirements according to local and international codes of design
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to provide plumbing system designs that comply with local and international standards; and (ii) Capable to use cost analysis in positioning the design solution.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of plumbing systems.