1. Title	Basic repair and maintenance of mechanical installations of water supply systems
2. Code	EMPDOR201A
3. Range	Perform basic repair and maintenance of mechanical installations of water supply systems at repair workshops or work sites according to repair instructions.
4. Level	2
5. Credits	3
6. Competency	<u>Performance Requirements</u> 6.1 Construction and basic principles of mechanical installations of water supply systems ♦ Understand the types, applications, construction and basic principles of mechanical installations of general water supply systems, including: • Direct and indirect water supply systems (including fresh water and flush water) • Pressurized water supply system • Variable speed water pump water supply system 6.2 Basic methods of repairing and maintaining mechanical installations of water supply systems ♦ Master the basic procedures and methods of repairing and maintaining mechanical installations of water supply systems, including the procedures of regular inspection, cleaning, installation, removal, replacement, simple repair and testing ♦ Examine the damage condition of accessories such as water tanks, pipes, pumps, switches/valves according to repair instructions ♦ Repair or replace damaged accessories under instruction ♦ Use general workshop and worksite equipment and tools correctly ♦ Use basic testing equipment to conduct functional tests after repair 6.3 Handling of basic repair and maintenance of mechanical installations of water supply systems ♦ Perform basic repair and maintenance of mechanical installations of water supply systems according to installation instructions ♦ Understand the safety guidelines as required by the law and the code of practice in undertaking basic repair and maintenance of mechanical installations of water supply systems
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to perform the tasks of repairing and maintaining mechanical installations of general water supply systems under instruction.
8. Remarks	This unit of competency is applicable to practitioners engaged in repairing and maintaining mechanical installations of water supply systems.