1. Title	Install low and medium pressure valves
2. Code	EMPERM216A
3. Range	Perform repair for low and medium pressure (below 30bar) valves in general industrial plants, power plants or other places. The competency of this unit excludes welding procedure.
4. Level	2
5. Credits	3
6. Competency	Performance Requirements
	 6.1 Pipe and valve assembly drawing content and its illustration method Understand pipe and valve parts drawing and assembly drawing content and its illustration method Understand surface development drawings of pipe and valve systems Understand the illustration method of pipe and valve system accessories in thermal system drawings Understand the methods of repairing low and medium pressure valves
	 6.2 Methods and procedures of repairing low and medium pressure valves Assemble, disassemble and repair low and medium pressure valves according to standards, such as: Handling grinding and sealing surface defects for low and medium pressure valves Handling defects of mechanical parts of valves Replace appropriate hardware accessories such as various types of fasteners Replace appropriate fillers, sealing materials, metal gaskets and non-metal gaskets Adjust and commission the valve travel and torque Adjust and examine steam and water system safety valves Use appropriate instruments and tools to the operational problems for low and medium pressure valves, such as Valve leakage Valve gear malfunction
	 6.3 Professionalism in repairing low and medium pressure valves Follow the practical guidelines to carry out procedures of repairing low and medium pressure valves
7. Assessment Criteria	 The integrated outcome requirements of this unit of competency are: (i) Capable to repair low and medium pressure valves under instruction; and (ii) Capable to complete repair report forms for the low and medium pressure valves.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses general bench fitting techniques.