1. Title	Mechanical equipment status monitoring and analysis
2. Code	EMPEIT501A
3. Range	Perform mechanical equipment status monitoring and analysis in general industrial plants, power plants or other places.
4. Level	5
5. Credits	6
6. Competency	Performance Requirements
	 Mode of operation and principles of failure detection of mechanical equipment Pressure Temperature Flow Abnormal leaks Abnormal vibration or noise Understand common failures and detection method for general mechanical equipment including: Characteristics and causes of failures Ways of detection such as measuring and analyzing vibrations Infrared heat detection analysis and heat meter
	6.2 Failure detection method and information analysis abnormal leaks of mechanical equipment ◆ Use detection tools to diagnose operational failures such as abnormal leaks of mechanical equipment
	6.3 mechanical
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to monitor the operation of mechanical equipment; and (ii) Capable to accurately analyze the operational data or information of mechanical equipment.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses techniques of operating basic detection tools.