1. Title	Install and adjust couplings	
2. Code	EMPEIN306A	
3. Range	Perform installation tasks for general drive systems in general industrial plants, power plants or other places.	
4. Level	3	
5. Credits	3	
6. Competency		Performance Requirements
	6.1 Types and principles of installing and adjusting couplings	♦ Understand the types of couplings （rigid, flexible and semiflexibe）and their functions and importance on mechanical drive systems ♦ Understand the maintenance, inspection and installation of couplings, including: • Concentricity variation measurement • Radial and axial variation value measurement • Assembly of shaft and shaft pore of semi-coupling and measurement of the perpendicularity semi-coupling and shaft
	6.2 Procedures of installing, inspecting, calculating variation and adjusting of couplings	♦ Use the tools properly to carry out procedures of installing, adjusting and inspecting couplings: • Confirm varied concentricity standards • Adjust coupling concentricity • Clean couplings • Analyze the causes of varied concentricity and solutions according to changes in data measured
	6.3 Professionalism in installing and adjusting couplings	♦ Follow the drawings and engineering requirements to install couplings and adjust concentricity ♦ Control the installation progress according to the engineering requirements so as to meet the quality standards ♦ Understand the safety requirements for work, the requirements of the codes of practice and manufacturer’s guidelines to adjust the coupling concentricity and install the couplings

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to install couplings and concentricity adjustment independently; (ii) Capable to correctly install measuring instruments to measure and record data and adjust varied concentricity to specified standard; (iii) Capable to complete simple reports for installation of couplings; and (iv) Capable to clearly report the operational status of couplings.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses general installation bench fitting techniques and elementary mechanical knowledge and the competency of EMPEIN216A “Centering of general mechanical installations”.