1. Title	Perform electrical and mechanical installation and testing according to the drawings and specifications of electrical devices and wiring
2. Code	EMCUIN306A
3. Range	Interpret the engineering drawings of electrical devices, circuits and wiring and able to apply relevant information for electrical and mechanical works.
4. Level	3
5. Credit	4
6. Competency	Performance Requirements
	 Uses of the drawings of electrical devices, circuits and wiring Uses of the drawings of electrical works Identify different versions of engineering drawings of electrical works Capable to apply electrical symbols, scaling calculations and relevant engineering drawings of electrical works
	6.2 Obtain relevant information of electrical devices, control circuits and wiring drawings to complete installation and testing of electrical systems Capable to obtain relevant information of the main circuit, including: Connection of the main circuit Details of power distribution Power switch interlock Capable to obtain relevant information of electrical equipment and control circuits, including: Principles of control Control circuits Control components, including circuit breakers, relays, push-buttons and their contacts Electronic control circuits Capable to obtain information of electrical equipment and control circuits Capable to obtain relevant information of electrical equipment and control circuits, including: Principles of control Control components, including circuit breakers, relays, push-buttons and their contacts Electronic control circuits Capable to obtain information of electrical equipment and control circuits Capable to obtain relevant information of electrical equipment and control circuits, including: Capable to obtain relevant information of electrical equipment and control circuits, including: Control components, including: Capable to obtain relevant information of electrical equipment and control circuits, including: Control circuits Capable to obtain relevant information of electrical equipment and control circuits, including: Control circuits Capable to obtain relevant information of electrical equipment and control circuits, including: Capable to obtain relevant information of electrical equipment and control circuits, including: Capable to obtain relevant information of electrical equipment and control circuits and equipment and control circuits.

◆ Capable to obtain relevant information from drawings of electrical devices, circuits and wiring for performing an electrical and mechanical task, such as the information
below for installation and testing of a starter circuit for a
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three-phase AC motor:
 Principles of control circuit interlock
 Conduits and trunkings required
 Laying of cables
 Connection of cables
Identification and marking of cables
The integrated outcome requirement of this unit of competency is:
(i) Capable to select suitable engineering drawings of electrical works, and obtain relevant
information from drawings for completion of installation and testing of an electrical and
mechanical system and equipment, such as the installation and testing of a power
distribution system in a multi-storey building.
The credit value of this unit of competency is set on the presumption that the person already
possesses basic knowledge of electricity.
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