

1. Title	Design the switching circuits in electrical system		
2. Code	111497L3		
3. Range	Applicable to design and installation of electrical work, which involves implementing the design for various of switching circuit in electrical system.		
4. Level	3		
5. Credit	2		
6. Competency			<u>Performance Requirements</u>
	6.1	Understand the basic requirement for various switching circuit and suitable switching devices in electrical system design	◆ Understand the basic requirement for various switching circuit and suitable switching devices in electrical system design, including: ➤ Switching for mechanical maintenance, ➤ Emergency switching, ➤ Functional switching.
	6.2	Master the design concept of various switching circuits for particular equipment or purpose	◆ Master the design concept of various switching circuits for particular equipment or purpose, ➤ main switch, ➤ meter front switch, ➤ distribution and final circuit switching, ➤ switching of appliance, equipment and luminaire, and electric vehicle (EV) charging facilities.
	6.3	Exhibit professionalism in designing switching circuit of electrical system	◆ Follow the Code of Practice for the Electricity (Wiring) Regulations and relevant standards in designing switching circuit of electrical system.
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to understand the requirement and switching devices for different types of switching circuit in electrical system design. (ii) Capable to master the design concept of various switching circuits for particular equipment or purpose.		
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic electrical and mechanical knowledge.		