

1. Title	Perform tasks of power disconnection, isolation and earthing and of issuing works permits (i.e. the duty of an authorized person)	
2. Code	EMRASH402A	
3. Range	Perform tasks of power disconnection, isolation and earthing involved in electrical and mechanical works according to the safety requirements for working with high voltage and low voltage installations stated in the Code of Practice for the Electricity (Wiring) Regulations; issue works permits, as required by the regulations, to persons-in-charge to ensure safety.	
4. Level	4	
5. Credits	4	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge and skills of power disconnection, isolation and earthing and of issuing works permits</p> <ul style="list-style-type: none"> ◆ Understand the electrical installations and related circuits to be isolated ◆ Master the techniques of reading electrical wiring diagrams and relevant documents ◆ Master the knowledge and skills of operating switching, isolation and earthing devices ◆ Be familiar with the site with electrical installations and its surroundings ◆ Test and assess the reliability of switching, isolation and earthing devices ◆ Understand the roles, qualifications, authority and responsibilities of a nominated person, an authorized person and a person-in-charge and the required identification documents to be provided by them. ◆ Be familiar with the procedures of power disconnection, isolation and earthing, securing with safety locks, placing warning notices and danger notices and issuing works permits, and the techniques of handling records and papers <p>6.2 Methods and procedures of power disconnection, isolation and earthing and of issuing works permits</p> <ul style="list-style-type: none"> ◆ Adopt safety precautions according to the Code of Practice for the Electricity (Wiring) Regulations and correctly undertake power disconnection, isolation and earthing in accordance with the safety requirements for working with high voltage and low voltage installations ◆ Secure with safety locks and place warning notices and danger notices effectively ◆ Indicate to the person-in-charge the electrical installation to be isolated and describe the works limit and safety measures ◆ Adopt special safety measures and issue special instructions if necessary 	

	<ul style="list-style-type: none"> ◆ Issue the works permit when all safety measures are in place and the details of such permit are confirmed by the person-in-charge, according to the Code of Practice for the Electricity (Wiring) Regulations ◆ Maintain a record of work permits effectively ◆ Handle the tasks of power disconnection, isolation and earthing and of issuing works permits according to the safety guidelines as required by the electricity law and codes of practice <p>6.3 Professionalism in handling power disconnection, isolation and earthing and in issuing works permits</p>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to undertake power disconnection, isolation and earthing for an electrical installation correctly and efficiently according to the requirements of the Code of Practice for the Electricity (Wiring) Regulations; and</p> <p>(ii) Capable to issue works permits efficiently according to the Electricity (Wiring) Regulations.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses the appropriate grade of registration certificate for an electrical worker issued by the Electrical and Mechanical Services Department.</p>