

1. Title	Perform routine wiring tasks							
2. Code	EMCUIN208A							
3. Range	Apply the techniques of electrical wiring and the understanding of relevant code of practice in routine wiring tasks for electrical and mechanical works.							
4. Level	2							
5. Credit	9							
6. Competency	<p style="text-align: right;"><u>Performance Requirements</u></p> <table> <tr> <td style="vertical-align: top;">6.1</td> <td>General principles of electrical wiring</td> <td> <ul style="list-style-type: none"> ◆ Understand the basic requirements, code of practice and relevant standards for wiring, including: <ul style="list-style-type: none"> • Uses and installation methods of conduits and trunkings • Techniques for installation of low voltage sheathed cables and armoured cables • Code of practice for wiring, such as identification of markings • Insulation and continuity testing • Methods of circuit terminal connection </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td>Perform regular wiring tasks</td> <td> <ul style="list-style-type: none"> ◆ Make electrical wiring conduits according to instructions <ul style="list-style-type: none"> • Use relevant techniques and conduit cutting, bending and assembling tools to make metallic conduits for electrical wiring according to requirements • Make PVC wiring conduits • Install wiring conduits correctly ◆ Make electrical wiring trunkings according to instructions <ul style="list-style-type: none"> • Use relevant techniques and trunking cutting and assembling tools to make metallic trunkings for electrical wiring, according to requirements • Make earthing arrangement correctly • Install wiring trunkings correctly ◆ Make electrical wiring trunkings according to instructions <ul style="list-style-type: none"> • Install low voltage sheathed cables and armoured cables correctly ◆ Undertake electrical wiring properly according to instructions <ul style="list-style-type: none"> • Classify electrical circuits properly according to wiring requirements and the code of practices • Apply relevant techniques in electrical wiring • Attach correct identification markings to cables </td> </tr> </table>		6.1	General principles of electrical wiring	<ul style="list-style-type: none"> ◆ Understand the basic requirements, code of practice and relevant standards for wiring, including: <ul style="list-style-type: none"> • Uses and installation methods of conduits and trunkings • Techniques for installation of low voltage sheathed cables and armoured cables • Code of practice for wiring, such as identification of markings • Insulation and continuity testing • Methods of circuit terminal connection 	6.2	Perform regular wiring tasks	<ul style="list-style-type: none"> ◆ Make electrical wiring conduits according to instructions <ul style="list-style-type: none"> • Use relevant techniques and conduit cutting, bending and assembling tools to make metallic conduits for electrical wiring according to requirements • Make PVC wiring conduits • Install wiring conduits correctly ◆ Make electrical wiring trunkings according to instructions <ul style="list-style-type: none"> • Use relevant techniques and trunking cutting and assembling tools to make metallic trunkings for electrical wiring, according to requirements • Make earthing arrangement correctly • Install wiring trunkings correctly ◆ Make electrical wiring trunkings according to instructions <ul style="list-style-type: none"> • Install low voltage sheathed cables and armoured cables correctly ◆ Undertake electrical wiring properly according to instructions <ul style="list-style-type: none"> • Classify electrical circuits properly according to wiring requirements and the code of practices • Apply relevant techniques in electrical wiring • Attach correct identification markings to cables
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	<ul style="list-style-type: none"> ◆ Perform insulation and continuity tests for circuits according to instructions <ul style="list-style-type: none"> • Use an insulation tester and continuity tester to perform insulation and continuity tests for circuits according to relevant code of practice and standards • Undertake terminal connection of circuits • Use proper assembling tools and termination accessories to connect cables to electrical devices
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to install wiring for general electrical equipment and systems correctly and safely according to instructions, wiring requirements and the code of practice; make conduits and trunkings, undertake wiring work, install low voltage metal-sheathed cables and armoured cables; and carry out terminal connection and validity tests.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses basic electrical knowledge.</p>