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| 1. Title               | Maintain electrical components of general escalator   |
| 2. Code                | EMLEOR224A  |
| 3. Range               | Maintain electrical components of escalator under general situations at field locations.  |
| 4. Level               | 2   |
| 5. Credit              | 3   |
| 6. Competency          | <p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure and working principles of electrical components of escalator</p> <ul style="list-style-type: none"> <li>◆ Understand the structure and working principles of control cabinets including: <ul style="list-style-type: none"> <li>• AC single speed driving system</li> </ul> </li> <li>◆ Understand the structure and working principles of the lighting including: <ul style="list-style-type: none"> <li>• step lighting</li> </ul> </li> <li>◆ Understand the structure and working principles of starting devices including: <ul style="list-style-type: none"> <li>• manually-operated key</li> </ul> </li> <li>◆ Understand the structure and working principles of general stop devices including handrail inlet protection device, emergency stop devices, combplate safety devices, skirting safety device</li> </ul> <p>6.2 Methods and procedures of maintaining electrical components</p> <ul style="list-style-type: none"> <li>◆ Know the repair and maintenance of electrical components including the procedures of inspection, cleaning and oiling</li> <li>◆ Know the repair and maintenance of electrical components including: <ul style="list-style-type: none"> <li>• control cabinet</li> <li>• lighting</li> <li>• starting devices</li> <li>• stopping devices</li> </ul> </li> <li>◆ Use general repairing and testing instruments and tools effectively</li> </ul> <p>6.3 Professionalism in maintaining escalator's electrical assembly</p> <ul style="list-style-type: none"> <li>◆ Follow manufacturer's maintenance instructions to maintain the electrical assembly</li> <li>◆ Understand the requirements of safety guidelines and the code of practice for escalator in order to maintain the electrical assembly</li> </ul> |
| 7. Assessment Criteria | <p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to systematically and effectively complete the maintenance of escalator's electrical assembly; and</p> <p>(ii) Capable to clearly explain the construction and the key points of maintenance of electrical assembly.</p>  |
| 8. Remarks             | The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of using general repairing and testing instruments and tools.   |