

1. Title	Use lift and escalator installation and maintenance tools
2. Code	EMLEOR103A
3. Range	Use lift and escalator installation and maintenance the tools under supervision to perform measuring tasks at field locations or construction sites.
4. Level	1
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Names and uses of lift and escalator installation and maintenance tools</p> <ul style="list-style-type: none"> <li>◆ Understand the names and uses of measuring tools for lifts and escalators, including: <ul style="list-style-type: none"> <li>• Plumbing tools at well</li> <li>• Plumbing tools at pit</li> </ul> </li> <li>◆ Understand the names and uses of thermal treatment tools for lifts and escalators, including: <ul style="list-style-type: none"> <li>• Liquefied blowtorch</li> <li>• Kerosene blowtorch</li> <li>• Bearing heater</li> </ul> </li> <li>◆ Understand the names and uses of measuring instruments for lifts and escalators, including: <ul style="list-style-type: none"> <li>• Air flow meter</li> <li>• Noise meter</li> <li>• Vibration meter</li> <li>• Speedometer</li> <li>• Photometer</li> </ul> </li> </ul> <p>6.2 Operation of lift and escalator installation and maintenance tools</p> <ul style="list-style-type: none"> <li>◆ Use measuring tools effectively to measure mechanical installations for lifts and escalators including: <ul style="list-style-type: none"> <li>• Fabrication dimensions of landing door architrave</li> </ul> </li> <li>◆ Use thermal treatment tools effectively on mechanical installations for lifts and escalators including: <ul style="list-style-type: none"> <li>• Bearing thermal treatment</li> <li>• Rope end (Bobby alloying) treatment</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>◆ Use measuring instruments effectively to perform measuring tasks on lift and escalator installations, including: <ul style="list-style-type: none"> <li>• Measuring air flow of lift car</li> <li>• Measuring running noise of lift and escalator</li> <li>• Measuring running vibration of lift and escalator</li> <li>• Measuring running speed of lift and escalator handrail</li> <li>• Measuring brightness of lift car lighting and escalator landing lighting</li> </ul> </li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to under supervision according to instructions perform measuring tasks on lifts and escalators.</p>
8. Remarks	