

1. Title	Maintain steps driving components of general escalator
2. Code	EMLEOR222A
3. Range	Maintain escalator steps driving components (vertical height 3m or below) 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 escalator steps driving devices</p> <ul style="list-style-type: none"> <li>◆ Understand the mechanical structure and working principles of general step chain driving sprockets including: <ul style="list-style-type: none"> <li>• multi-section step chain driving wheels</li> <li>• multi-section step chain driving gear</li> </ul> </li> <li>◆ Understand the structure and working principles of general step chains including: <ul style="list-style-type: none"> <li>• multi-section step chain</li> </ul> </li> <li>◆ Understand the structure and working principles of general step chain tension wheels including: <ul style="list-style-type: none"> <li>• multi-section step chain tension wheels</li> <li>• multi-section step chain tension gear</li> </ul> </li> </ul> <p>6.2 Methods and procedures of maintaining steps driving elements</p> <ul style="list-style-type: none"> <li>◆ Know the repair and maintenance of steps driving elements including the procedures of inspection, cleaning and oiling</li> <li>◆ Know the repair and maintenance of steps driving elements including: <ul style="list-style-type: none"> <li>• driving wheels</li> <li>• driving chains</li> <li>• tension wheels of the driving chains</li> </ul> </li> <li>◆ Use general repairing and testing instruments and tools effectively</li> </ul> <p>6.3 Professionalism in maintaining escalator steps driving elements</p> <ul style="list-style-type: none"> <li>◆ Follow manufacturer's maintenance instructions to maintain the steps driving elements</li> <li>◆ Understand the requirements of safety guidelines and the code of practice for escalator in order to maintain the steps driving elements</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 steps driving elements; and</p> <p>(ii) Capable to clearly explain the construction and the key points of maintenance of steps driving 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.