

1. Title	Perform the check works of escalator
2. Code	EMLEIT306A
3. Range	Arrange and implement escalator commissioning at construction sites.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Installation and check drawings of the devices for escalator</p> <ul style="list-style-type: none"> <li>◆ Understand the installation requirements of devices in the driving station including: <ul style="list-style-type: none"> <li>• control cabinet</li> <li>• overspeed governor</li> <li>• junction box</li> <li>• traction machines</li> <li>• auxiliary brakes</li> </ul> </li> <li>◆ Understand the installation requirements of devices inside the truss including: <ul style="list-style-type: none"> <li>• main drive transition section guides such as step chain wheel stop thrust guides, step chain wheel guides, step wheel stop thrust guides and step wheel guides</li> <li>• truss mid-section guides such as step chain wheel guides and step wheel guides</li> <li>• tension frame transition section guides such as step chain wheel stop thrust guides, step chain wheel guides, step wheel stop guides and step wheel guides</li> <li>• handrail devices such as handrail guiding device, handrail driving device, handrail elongating compensation device, handrail inlet protection device and broken handrail device</li> <li>• all kinds of safety stopping devices such as skirt panels switch, step sagging switch and broken handrail switch</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>◆ Understand the installation requirements of devices outside the truss including: <ul style="list-style-type: none"> <li>• glass-type and metal-type balustrade such as balustrade decking, interior profile, balustrade interior panelling and skirtingpanels safety guards such as the guards between handrail and obstacles and intersection guards between two adjacent criss-cross escalators</li> <li>• deflector devices such as rubber and brush bristles type deflector devices</li> <li>• all kinds of notices e.g. hold the handrails tightly, hold the children firmly, hold the dogs firmly in the arms, do not transport bulky objects, face forward and do not stand near the sides of the step</li> </ul> </li> <li>◆ Understand the installation requirements of devices inside the reversing station including: <ul style="list-style-type: none"> <li>• inverter</li> <li>• junction box</li> <li>• stop devices</li> <li>• step chain tension device</li> </ul> </li> <li>◆ Understand testing requirements of the devices including: <ul style="list-style-type: none"> <li>• safety stopping devices</li> <li>• slip of handrail speed</li> <li>• braking distance of working brake and auxiliary brake</li> <li>• start and stop operation of key-type startup devices</li> <li>• start and stop operation of photo-sensor for the automatic startup devices</li> <li>• start and stop operation of contact-mat for the automatic startup devices</li> </ul> </li> <li>◆ Understand check drawings of the devices including: <ul style="list-style-type: none"> <li>• devices in the driving station</li> <li>• devices inside the truss</li> <li>• devices outside truss</li> <li>• devices in the return station</li> </ul> </li> </ul>
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	<p>6.2 Methods and procedures of check escalators</p> <ul style="list-style-type: none"> <li>◆ Formulate the procedures lists of check for the devices including: <ul style="list-style-type: none"> <li>• devices in the driving station</li> <li>• devices inside the truss</li> <li>• devices outside truss</li> <li>• devices in the return station</li> </ul> </li> <li>◆ Effectively use different kinds of tools, instruments and check drawings to implement and assign completed check works for different devices of escalators</li> </ul> <p>6.3 Professionalism in completed installation check works for escalators</p> <ul style="list-style-type: none"> <li>◆ Apply manufacturer's installation check instructions and the code of practice for escalator design and construction to implement and assign completed check works for escalators</li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to arrange and assign completed check procedures for different devices of escalators systematically and through effective communication; and</li> <li>(ii) Capable to implement completed check for different devices of escalators under general or complicated situations in compliance with the prescribed standards.</li> </ul>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses knowledge and skills in installing mechanical installations and electrical installations of escalators.</p>