

1. Title	Install basic mechanical equipment of escalators
2. Code	EMLEIN208A
3. Range	Install basic mechanical equipment of escalators under general situations at construction sites.
4. Level	2
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure, working principles and installation drawings of basic mechanical equipment of escalators</p> <ul style="list-style-type: none"> ◆ Understand the mechanical structure and working principles of general escalator truss oil drip trays including: 2-piece modular escalator truss <ul style="list-style-type: none"> • 3-piece modular escalator truss ◆ Understand the mechanical structure and working principles of general escalator's steps including: one-piece modular steps <ul style="list-style-type: none"> • 2-piece modular steps • 3-piece modular steps ◆ Understand the structure and working principles of general escalator's safety guards including: the safety guard between the exterior panel and safety barrier / wall <ul style="list-style-type: none"> • at the upper landing side, the safety guard locate between exterior panels of two parallel escalators • at the lower landing side, the safety guard locate above the balustrade decking • at the lower landing side, the safety guard locate between exterior panels of two parallel escalators • the safety guard between the handrail and obstacles (example: cylindrical columns, square columns and vertical walls) • intersection guards between two adjacent criss-cross escalators ◆ Understand the structure and working principles of skirt panel deflector devices including: <ul style="list-style-type: none"> • rubber strip-type • brush bristles type ◆ Understand the installation drawings for basic mechanical equipment of escalators including: <ul style="list-style-type: none"> • oil drip trays • safety guards • skirt panel deflector devices

	<p>6.2 Installation methods and procedures for basic mechanical equipment</p> <ul style="list-style-type: none"> ◆ Know the installation procedure list of basic mechanical equipment for general escalator including: <ul style="list-style-type: none"> • oil drip trays • steps • safety guards • skirt panel deflector device ◆ Effectively use general tools and installation drawings to install basic mechanical equipment including: oil drip trays <ul style="list-style-type: none"> • steps • safety guards • skirt panel deflector device <p>6.3 Professionalism in installing basic mechanical installations</p> <ul style="list-style-type: none"> ◆ Follow manufacturer’s installation instructions and the code of practice for escalator work safety to install general basic mechanical equipment ◆ Understand manufacturer’s installation instructions and the code of practice for escalator design and construction to test general basic mechanical installations including: <ul style="list-style-type: none"> • clearances between steps • safety guards • skirt panel deflector device
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to systematically and efficiently install and test escalator’s basic mechanical equipment in compliance with the prescribed standards.</p>
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 distributing escalator mechanical installations and accessories.</p>