

1. Title	Overhaul escalator steps driving components	
2. Code	EMLEOR330A	
3. Range	Arrange and implement overhauls of escalator steps driving components at field locations.	
4. Level	3	
5. Credit	3	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>6.1 Structure and working principles of escalator steps driving devices</p> <p>6.2 Overhaul methods and procedures for step driving devices</p> </div> <div style="width: 65%;"> <ul style="list-style-type: none"> ◆ Understand the structure and working principles of all kinds of step chain driving wheels including: <ul style="list-style-type: none"> • long-pitch step chain driving wheels • short-pitch step chain driving wheels ◆ Understand the structure and working principles of different step chains including: <ul style="list-style-type: none"> • long-pitch step chain • short-pitch step chain ◆ Understand the structure and working principles of different step chain tension wheels including: <ul style="list-style-type: none"> • long-pitch step chain tension wheels • short-pitch step chain tension wheels ◆ Formulate overhaul procedure lists for all kinds of step driving devices including: <ul style="list-style-type: none"> • selection lists for different suitable lifting gears • work site safety equipment lists • work procedure lists for different step chain driving wheels • work procedure lists for different step chains • work procedure lists for different step chain tension wheels ◆ Effectively use protective barriers or guards to implement and assign safety measures at work sites including: <ul style="list-style-type: none"> • safety preparation works for escalator shutdown • safety precaution works for surrounding • safety works for resumption operation ◆ Effectively use different lifting gears to implement and assign completed lifting work for different step chain driving elements ◆ Effectively use all kinds of tools to implement and assign completed disassembly and assembly work for different step chain driving devices </div> </div>	

	<p>6.3 Professionalism in completed disassembly and assembly of step chain driving devices</p> <ul style="list-style-type: none"> ◆ Apply manufacturer's repair instructions and the code of practice for escalator work safety to implement and assign completed disassembly and assembly work for different step chain driving devices ◆ Apply manufacturer's repair instructions and the code of practice for escalator design and construction to implement and assign completed adjustment and testing work for different step chain driving devices including: <ul style="list-style-type: none"> • long-pitch step chain driving devices • short-pitch step chain driving devices
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to arrange and assign completed inspection, disassembly, assembly and adjustment procedures for escalator step chain driving components systematically and through effective communication; and (ii) Capable to implement completed inspection, disassembly, assembly and adjustment of escalator step chain driving components under general or complicated situations in compliance with the prescribed standards of repair.
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 overhauling step chain driving elements of general escalators.</p>