

1. Title	Maintain lift control cabinets
2. Code	EMLEOR302A
3. Range	Arrange and implement the maintenance of lift control cabinets at field locations.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Structure and working principles of lift control cabinets</p> <ul style="list-style-type: none"> ◆ Understand the structure and working principles of different kinds of control cabinet including: <ul style="list-style-type: none"> • single-speed AC drive (AC 1) control cabinet • two-speed AC drive (AC 2) control cabinet • variable voltage AC drive (ACVV) control cabinet • variable voltage variable frequency AC drive (ACVVVF) control cabinet • MG set variable voltage DC drive (Ward-Leonard D.C Drive) control cabinet • Thyristor variable voltage DC drive (Thyristor-Leonard D.C. Drive) control cabinet ◆ Understand the structure and working principles of different control cabinets components including transformers, rectifiers, protective devices, resistors, reactors, capacitors, converters, inverters, electronic circuit boards, contactors and relays <p>6.2 Methods and procedures of maintaining lift control cabinets</p> <ul style="list-style-type: none"> ◆ Know the repair and maintenance of different control cabinets and the works include the procedures of inspection, cleaning, oiling and testing ◆ Know the repair and maintenance of different control cabinets components and the works include conditions, functions, fault records and set values of the components ◆ Know the arrangement and implementation of maintenance instructions for lift control cabinets ◆ Enable to effectively operate the maintenance instruments and tools <p>6.3 Professionalism in handling lift control cabinets</p> <ul style="list-style-type: none"> ◆ Follow manufacturer's maintenance instructions to arrange and implement the maintenance of control cabinets ◆ Understand the requirements of safety guidelines and the code of practice for lifts in order to perform the maintenance of control cabinets

7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to master the construction and key points of repair and maintenance of different kinds of control cabinet; (ii) Capable to systematically and effectively complete the repair and maintenance of different kinds of control cabinet; (iii) Capable to arrange and implement the maintenance instructions for lift control cabinets; and (iv) Capable to follow manufacturer's maintenance instructions to arrange and implement the maintenance of control cabinets.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of maintaining general lift control cabinets.</p>