

1. Title	Overhaul lift control cabinet	
2. Code	EMLEOR313A	
3. Range	Arrange and implement overhauls 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> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>6.1 Structure and working principles of lift control cabinets</p> <p>6.2 Overhaul methods and procedures for control cabinets</p> </div> <div style="width: 65%;"> <ul style="list-style-type: none"> <li>◆ Understand the structure and working principles of different kinds of control cabinet including: <ul style="list-style-type: none"> <li>• single speed AC drive (AC 1) control cabinet</li> <li>• double speed AC drive (AC 2) control cabinet</li> <li>• variable voltage AC drive (ACVV) control cabinet</li> <li>• variable voltage variable frequency AC drive (ACVVVF) control cabinet</li> <li>• MG set variable voltage DC drive (Ward-Leonard D.C Drive) control cabinet</li> <li>• thyristor variable voltage DC drive (thyristor-Leonard D.C. Drive) control cabinet</li> </ul> </li> <li>◆ Understand the structure and working principles of different control cabinet components including: <ul style="list-style-type: none"> <li>• transformers, rectifiers, protection devices, resistors, reactors, capacitors, converters s, inverters, electronic circuit boards, contactors and relays</li> </ul> </li> <li>◆ Formulate overhaul procedure lists for different kinds of control cabinet including: <ul style="list-style-type: none"> <li>• selecting different suitable lifting gears</li> <li>• formulating work procedure lists for different control cabinets</li> </ul> </li> <li>◆ Effectively use different lifting gears to implement and assign completed lifting work for control cabinets including: <ul style="list-style-type: none"> <li>• safety preparation works for shutdown</li> <li>• safety lifting control cabinets</li> <li>• safe works for resumption operation</li> </ul> </li> <li>◆ Effectively use different tools to implement and assign completed disassembly and assembly work for control cabinet components</li> </ul> </div> </div>	

	<p>6.3 Professionalism in full disassembly and assembly of control cabinets</p> <ul style="list-style-type: none"> <li>◆ Apply manufacturer's repair instructions to implement and assign completed disassembly and assembly work for different kinds of control cabinet component</li> <li>◆ Apply manufacturer's repair instructions and the code of practice for lift design and construction to implement and assign completed adjustment and testing work for different control cabinet components including: <ul style="list-style-type: none"> <li>• transformers, rectifiers, protection devices, resistors, inductors, capacitors, converters s, inverters, electronic circuit boards, contactors and relays for control cabinets</li> </ul> </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 disassembly, assembly and adjustment procedures for different kinds of lift control cabinet systematically and through effective communication; and</li> <li>(ii) Capable to implement completed disassembly, assembly and adjustment of different kinds of lift control cabinet under general or complicated situations in compliance with the prescribed standards of repair.</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 overhauling general lift control cabinets.</p>