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		Performance Requirements
	6.1 Structure and working principles of lift control cabinets	♦ Understand the structure and working principles of different kinds of control cabinet including: • single speed AC drive (AC 1) control cabinet • double 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 cabinet components including: • transformers, rectifiers, protection devices, resistors, reactors, capacitors, converters s, inverters, electronic circuit boards, contactors and relays
	6.2 Overhaul methods and procedures for control cabinets	♦ Formulate overhaul procedure lists for different kinds of control cabinet including: • selecting different suitable lifting gears • formulating work procedure lists for different control cabinets ♦ Effectively use different lifting gears to implement and assign completed lifting work for control cabinets including: • safety preparation works for shutdown • safety lifting control cabinets • safe works for resumption operation ♦ Effectively use different tools to implement and assign completed disassembly and assembly work for control cabinet components

	6.3 Professionalism in full disassembly and assembly of control cabinets	♦ Apply manufacturer's repair instructions to implement and assign completed disassembly and assembly work for different kinds of control cabinet component ♦ 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: • transformers, rectifiers, protection devices, resistors, inductors, capacitors, converters s, inverters, electronic circuit boards, contactors and relays for control cabinets
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (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 (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.	
8. Remarks	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.	