

1. Title	Overhaul lift overspeed governor and safety gear devices
2. Code	EMLEOR314A
3. Range	Arrange and implement overhauls of lift overspeed governors and safety gears 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 overspeed governors and safety gears</p> <ul style="list-style-type: none"> ◆ Understand the structure and working principles of different kinds of overspeed governor including: <ul style="list-style-type: none"> • one-way horizontal centrifugal governor • two-way horizontal centrifugal governor • one-way vertical flyball overspeed governor ◆ Understand the structure and working principles of different kinds of safety gear including: <ul style="list-style-type: none"> • rope gripper • one-way instantaneous type safety gear • one-way instantaneous type safety gear with buffer • one-way progressive type safety gear • two-way progressive type safety gear <p>6.2 Overhaul methods and procedures for overspeed governors and safety gears</p> <ul style="list-style-type: none"> ◆ Formulate overhaul procedure lists for different kinds of overspeed governor and safety gears including: <ul style="list-style-type: none"> • selecting different suitable lifting gears • formulating work procedure lists for different overspeed governors and safety gears ◆ Effectively use different lifting gears to implement and assign the completed lifting work for compensation ropes including: <ul style="list-style-type: none"> • safety preparation works for shutdown • safety lifting of car compensation ropes • safety lifting of counterweight compensation ropes • safety resumption operation ◆ Effectively use different tools to implement and assign completed disassembly and assembly work for overspeed governors and safety gears

	<p>6.3 Professionalism in completed disassembly and assembly of overspeed governors and safety gears</p> <ul style="list-style-type: none"> ◆ Apply manufacturer’s repair instructions and the code of practice for lift work safety to implement and assign completed disassembly and assembly work for overspeed governors and safety gears ◆ Apply manufacturer’s repair instructions and the code of practice for lift design and construction to implement and assign completed adjustment and testing of overspeed governors and safety gears including <ul style="list-style-type: none"> • one-way horizontal centrifugal governor • two-way horizontal centrifugal governor • one-way vertical flyball overspeed governor • rope gripper • one-way instantaneous type safety gear • one-way progressive type safety gear • two-way progressive type safety gear
<p>7. Assessment Criteria</p>	<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 disassembly, assembly and adjustment procedures for different kinds of lift overspeed governor and safety gear systematically and through effective communication; and (ii) Capable to implement completed disassembly, assembly and adjustment of different kinds of lift overspeed governor and safety gear under general or complicated situations in compliance with the prescribed standards of repair.
<p>8. Remarks</p>	<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 overspeed governors and safety gears.</p>