

1. Title	Operate mechanical devices of grab and bucket elevator									
2. Code	EMPEOM210A									
3. Range	Operate mechanical devices of grab and bucket elevator in general industrial plants, power plants or other places.									
4. Level	2									
5. Credits	6									
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Technical specifications, basic structural composition and scope of application of mechanical transmission equipment</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand relevant safety regulations ◆ Understand the functions of the structural parts of bulk material grab and chain unloaders <ul style="list-style-type: none"> • Basic types and composition of bulk material grab and chain unloaders • Functions of structural parts ◆ Understand the basic structure and basic working principle of general material unloading and storage systems including: <ul style="list-style-type: none"> • Lifting appliances • Screw unloader • Chain unloader • Bucket wheel stacker-reclaimer • Loading bridge </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Application of mechanical transmission to bulk material unloading and storage equipment</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Operate grab and bucket elevator correctly </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in operating and applying apply mechanical transmission to bulk material unloading and storage equipment</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Operate and apply mechanical transmission on bulk material unloading and storage equipment in compliance with the code of safety for work, the codes of practice and manufacturer's using guidelines </td> </tr> </table>	6.1	Technical specifications, basic structural composition and scope of application of mechanical transmission equipment	<ul style="list-style-type: none"> ◆ Understand relevant safety regulations ◆ Understand the functions of the structural parts of bulk material grab and chain unloaders <ul style="list-style-type: none"> • Basic types and composition of bulk material grab and chain unloaders • Functions of structural parts ◆ Understand the basic structure and basic working principle of general material unloading and storage systems including: <ul style="list-style-type: none"> • Lifting appliances • Screw unloader • Chain unloader • Bucket wheel stacker-reclaimer • Loading bridge 	6.2	Application of mechanical transmission to bulk material unloading and storage equipment	<ul style="list-style-type: none"> ◆ Operate grab and bucket elevator correctly 	6.3	Professionalism in operating and applying apply mechanical transmission to bulk material unloading and storage equipment	<ul style="list-style-type: none"> ◆ Operate and apply mechanical transmission on bulk material unloading and storage equipment in compliance with the code of safety for work, the codes of practice and manufacturer's using guidelines
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to operate mechanical devices of grab and bucket elevator correctly under instruction; and</p> <p>(ii) Capable to clearly report the status of operation of grab and bucket elevator mechanical installations.</p>									
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses safety knowledge and experience for use of basic machinery.									