

1. Title	Position and assemble ship-deck equipment
2. Code	EMSRIN302A
3. Range	Master and make use of the characteristics of various types of equipment to install ship deck equipment when performing related installation or repair works.
4. Level	3
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Know about main ship-deck equipment</p> <ul style="list-style-type: none"> ◆ Know about the functions of main ship structure ◆ Know about typical dimension construction of ship's centre part ◆ Know about the characteristics of the following deck equipment: <ul style="list-style-type: none"> • anchor and chain • windlass and winch system • chain pipe • hawser pipe • chain locker • chain stopper • marine machinery switching devices ◆ Know about the layout and assembly arrangement of cargo loading system <ul style="list-style-type: none"> • derricks • ship's cranes • conveyor • containers-ship-borne cranes • cargo lines and stripping line • cabin cover ◆ Know about the layout and assembly arrangement of lifeboat equipment <ul style="list-style-type: none"> • propeller • layout and installation of boat rack • arrangement of boat hanging rope • unhooking device ◆ Know about the loading and unloading arrangement for lifeboat ◆ Know about the layout and assembly arrangement of deck fire equipment ◆ Know about the application of different types of hatch closing gear

	<p>6.2 Methods of positioning and assembling main deck equipment of boats</p> <p>6.3 Professionalism in positioning and assembling main deck equipment of boats</p>	<ul style="list-style-type: none"> ◆ Apply requirements on safe operation of relevant deck equipment to replace or install boat components or installations ◆ Use relevant tools to adjust and assemble ship cargo loading system equipment ◆ Follow prescribed procedures and legal requirements to plan and implement the positioning and assembly of life-saving equipment of boats ◆ Properly follow important assembly instruction parameters (e.g. installation manual, manufacturer’s guidelines, etc.) for typical deck equipment and cargo loading system components ◆ Correctly select appropriate installation materials and assembly method to comply with the prescribed tolerance ◆ Use appropriate equipment and mechanical tools and comply with general safety practices
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Know how to correctly implement installation procedures of modern boat’s deck equipment, use tools and instruments, record data and adjust the equipment to prescribed standard ; and</p> <p>(ii) Capable to follow the prescribed safety rules and procedures to implement the installation work.</p>	
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of marine engineering equipment layout (such as: EMSRIN101A”Read main basic ship hull drawings” and EMSRIN201A”Basic layout and assembly of ship power units”).</p>	