

1. Title	Frontline inspection and acceptance of ship painting works
2. Code	EMSRIT202A
3. Range	Inspect quality of painting and coordinate frontline ship-painting work processes according to relevant instructions and specifications.
4. Level	2
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Methods and procedures of coordinating ship painting</p> <ul style="list-style-type: none"> ◆ Ensure strict implementation of all ship-painting work processes, including: <ul style="list-style-type: none"> • Preparations for painting such as selecting correct type and adequate amount of paint, ensuring correct proportion and viscosity of paint mixture • Considerations for painting works such as the percentage of damaged area, cause or source of rust and thickness of painting • Inspect the painted parts to see if the colour scheme is correct, the thickness of painting is appropriate, etc. • Patch the defects during the drying process of paint, such as brushing, coating dryness and wetness, pores ◆ Master the defects after the coating is formed and their remedies: blisters, powder layer, cracks, flakes and slices ◆ Know the methods of testing thickness of paints ◆ Clearly understand quality standard requirements and commissioning methods for all kinds of surface treatment ◆ Know about and make reference to general testing data standards for ship painting for inspection, such as: <ul style="list-style-type: none"> • Appearance of coating • Drying time • Bendability • Impact resistance • Boiling water resistance • Salt water resistance • Acid resistance • Glossiness

	<p>6.2 Inspect and commission ship painting works</p> <ul style="list-style-type: none"> ◆ List the safety gear and concerns of work for workers who perform or assist in ship painting works ◆ Use all kinds of inspection tools to commission metal and non-metal surface treatments ◆ Use all kinds of inspection tools to inspect ship painting works ◆ Master general defects of ship painting and decide the acceptable level ◆ Inspect and commission painting works according to coating preparations, work specifications and standards of completion for relevant painting work
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to correctly master methods of ship painting and implement commissioning tasks; and</p> <p>(ii) Capable to carry out relevant inspection procedures, use testing tools and instruments, and decide the passing standards for inspections and test results.</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 paints.</p>