

1. Title	Apply metal fabrication skills to ship repairs and maintenance
2. Code	EMSRRM201A
3. Range	Apply metal fabrication skills to perform regular ship repair and maintenance tasks such as metal cutting and bonding or assist in general ship deck parts and components repairs, maintenance and replacement at worksites related to ship repair workshops or dockyards.
4. Level	2
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Basic knowledge of metal fabrication skills for bulwark and components maintenance and repairs</p> <ul style="list-style-type: none"> ◆ Know about different types of metal cutting and fixed bonding methods, including: <ul style="list-style-type: none"> • Scope of application for ship repairs and maintenance • general safety rules • Concerns for processing of work ◆ Know about the main functions of and relevant metal fabrication skills for general ship's regular repair components <ul style="list-style-type: none"> • Sea chest • Gangway • Bulwark and handrails <p>6.2 Methods of using metal fabrication skills for ship maintenance</p> <ul style="list-style-type: none"> ◆ Follow instructions to cut, disassemble or repair and reinstall ship's regular repair components ◆ Effectively use hand tools and mechanical tools (such as planing, grinding, sawing, drilling, punching, riveting, electric arc welding and gas welding tools) to repair and maintain ship components <p>6.3 Professionalism in using metal fabrication skills for ship maintenance</p> <ul style="list-style-type: none"> ◆ Understand the positions usually being washed and crashed by waves, hit by objects and corroded, and give advice on repair if necessary ◆ Identify ship deck elements and components usually worn; assist in implementing preventives against deterioration ◆ Describe the details of repairs and maintenance clearly
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to apply metal fabrication craft skills to repair general bulwark (ship deck elements) and regular repair components; and</p> <p>(ii) Capable to correctly select and use appropriate tools to perform regular ship repairs and maintenance according to repair instructions.</p>
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic mechanical and welding knowledge.