

1. Title	Examine welded, fabricated and rolled pieces
2. Code	EMSRT408A
3. Range	Regarding regular inspection, commissioning and testing for ship repair and mechanical works, apply the knowledge of welding and fabrication to examine welded, fabricated and rolled pieces, and inspect and appraise the quality of the work pieces.
4. Level	4
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of examining welded, fabricated and rolled pieces</p> <ul style="list-style-type: none"> ◆ Be familiar with welding standard and specification standards for different components, such as: <ul style="list-style-type: none"> • Deviations for low pressure and high pressure structures • Consider whether the weld seams cause buffeting ◆ Be familiar with the craft skill requirements for component fabrication <p>6.2 Methods of examining craftsmanship of welded, fabricated and rolled pieces</p> <ul style="list-style-type: none"> ◆ Effectively use appropriate examination tools or instruments to examine the craftsmanship standard of welded, fabricated and rolled pieces, including: <ul style="list-style-type: none"> • Using all kinds of examination methods such as visual observation or NDT technology • Adjusting the examination standard according to the importance of component functions <p>6.3 Professionalism in examining craftsmanship of welded, fabricated and rolled pieces</p> <ul style="list-style-type: none"> ◆ assess with professional experience whether the quality of welded, fabricated and rolled pieces are up to standard
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to correctly examine the quality of welded, fabricated and rolled pieces.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the knowledge of inspection, commissioning and testing, including all kinds of testing techniques (such as EMCUIN306A “Perform electrical and mechanical installation and testing according to the drawings and specifications of electrical devices and wiring” and EMSRIT301A “Examine the shapes and dimensions of prefabricated pieces according to standards”) ◦