1. Title	Repair hull structures of non-steel ships
2. Code	EMSRRM301A
3. Range	Apply the techniques and knowledge of non-steel ship production to the repairs of non-steel ships when handling ship maintenance and repair works.
4. Level	3
5. Credit	6
6. Competency	Performance Requirements
	 6.1 Construction of different hull line shapes and principles of repair Backbone frame Skeleton frame Skeleton frame bulwark and vertical beam horizontal beam middle hull Know about the damages usually occur in non-steel hull Collapse and cracks Mold and moth Erosion and spalling Know about the basic principles of repairing non-steel hull, such as carving, plate laying, strip cutting, cold plastic and lapping hoop strips Know about the techniques of jointing various types of honeycomb plates Know about some less popular materials (such as titanium and carbon fibre)
	 6.2 Methods of repairing non-steel ship hull structure Effectively use correct tools to perform various repair procedures such as drying, saw-cutting, planing, fastening, jointing (use of enhanced plastics), softening, bonding, gap filling and laying Perform repairs for common damages occurred in single-layer hull, double-layer hull and compound hull Perform the procedures of jointing and repairing honeycomb plates

	 6.3 Professionalism in repairing non-steel ship hull structure Makes following preparations systematically for repair works, and adopt appropriate measures according to the actual environment and condition Select appropriate materials Draft working drawing Prioritize the repair items Allocate repair works and arrange for implementation Cut, disassemble and assemble non-steel hulls and structures according to approved practice and procedures or instructions of repair manuals Select appropriate protection gear such as earplugs and goggles according to implementation needs Compile simple repair reports Perform work procedures according to guidelines or material usage guides
7. Assessment Criteria	 The integrated outcome requirements of this unit of competency are: (i) Capable to perform structural repairs on general non-steel ships and test the repair standard according to approved practice and procedures; and (ii) Capable to compile simple repair reports.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of ship repair.