



Australian Government

**Assessment Requirements for MARB005
Slip or dock a vessel and maintain hull on a
vessel up to 80 metres**

Release: 1

Assessment Requirements for MARB005 Slip or dock a vessel and maintain hull on a vessel up to 80 metres

Modification History

Release 1. New unit of competency.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- completing maintenance records
- developing effective planning documents
- implementing safe and environmentally responsible work practices
- liaising with surveyor to ensure work is carried out to regulatory requirements for the issue or endorsement of relevant certificates
- reading, interpreting and applying:
 - operating and service manuals for the slipping/docking of a vessel and the maintenance of its hull
 - manufacturer instructions including all WHS/OHS requirements and safety data sheets (SDS)/material safety data sheets (MSDS)
- recognising faulty equipment
- recognising hull damage and deterioration, and taking appropriate actioning according to organisational procedures
- selecting and using correct tools and equipment for maintenance task.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- basic stability and stability terms
- component parts, operation and routine maintenance requirements of vessel equipment and fittings
- equipment cleaning and preservation techniques
- maintenance hazards and problems
- nature and causes of corrosion of marine surfaces and structures, and the available methods for its control
- organisational procedures for cleaning and maintenance
- paint types and applications
- preservatives and finishes used in marine maintenance and the related procedures for their handling, preparation, application and storage
- principal features of structure of vessels
- principles and procedures of lubrication as they relate to underwater vessel equipment and fittings
- procedures for:
 - working in confined spaces
 - initiating and coordinating repair and/or replacement of underwater equipment and fittings
 - checking and inspecting vessel hull as part of routine maintenance procedures
- regulatory certification requirements
- relevant sections of state and territory regulations, National Standard for Commercial Vessels (NSCV) Code and Uniform Shipping Laws (USL) Code dealing with Master responsibilities
- relevant WHS/OHS and pollution control legislation
- rust treatment
- slipping and docking procedures suitable for various types of hull forms
- stability as it relates to docking or slipping operation and refloating
- types, characteristics and functions of:
 - underwater vessel machinery and equipment
 - equipment/tools used in cleaning and maintenance.

Assessment Conditions

Assessors must satisfy National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) assessor requirements.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- tools, equipment, machinery, materials and personal protective equipment currently used in industry
- applicable documentation such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- range of relevant exercises, case studies and/or simulations.

Links

MAR Maritime Training Package Companion Volume Implementation Guide at: - http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=22