



Australian Government

**Assessment Requirements for MARB030
Slip or dock a vessel and maintain hull on a
vessel up to 80 metres**

Release: 1

Assessment Requirements for MARB030 Slip or dock a vessel and maintain hull on a vessel up to 80 metres

Modification History

Release 1. New unit of competency. Licensing/regulatory information has been incorporated in accordance with Regulatory requirements. Assessment Requirements have been strengthened in accordance with Regulatory requirements.

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 permits for high risk activities
- completing maintenance records
- inspecting underwater hull, equipment and fittings
- preparing vessel for slipping or docking
- ranging and examining anchors and cables
- reading, interpreting and applying:
 - manufacturer instructions, including all work health and safety (WHS)/occupational health and safety (OHS) requirements
 - operating and service manuals for the slipping or docking of a vessel and the maintenance of its hull
 - 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, equipment and materials for maintenance tasks
- supervising crew completing maintenance, including:
 - allocating tasks
 - briefing crew and providing guidance
 - checking completed work
 - organising workload.

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:

- checks to be carried out prior to re-floating
- component parts, operation and routine maintenance requirements of vessel equipment and fittings

- construction material and regulations governing structure
- dangers of working in confined spaces
- duties prior to re-floating, including:
 - developing effective planning documents for docking or slipping vessel maintenance
 - implementing safe and environmentally responsible work practices
- equipment cleaning and preservation techniques
- factors to be considered in assessing suitability of slipway or dry dock, including:
 - acceptable draught
 - appropriate lifting equipment
 - dimensions
 - electric power supply and other service systems
 - firefighting provisions
 - insurances
 - policy and facility for atmospheric checks of confined spaces
 - responsibility for WHS/OHS
 - safe vessel access and egress
 - vessel supports and scaffolding
- hull damage and deterioration, and action required according to organisational procedures
- 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, applications, use and storage preservatives and finishes used in marine maintenance and the related procedures for their handling, preparation, application and storage
- paints, preservatives and finishes used in marine maintenance and the related procedures for their handling, preparation, application and storage
- precautions and procedures for working in confined spaces in compliance with Australian Standards and WHS/OHS
- preparing cradle, supports and or slings
- principal features of structure of vessels
- principles and procedures of lubrication as they relate to underwater vessel equipment and fittings
- procedures for carrying out maintenance tasks, including:
 - applying lubricants
 - corrosion control
 - repairing painted surfaces
 - replacing faulty vessel machinery and fittings
 - restoring surfaces using cleaners and liquid abrasives
 - routine adjustments to equipment and fittings
- procedures for:

- checking and inspecting vessel hull as part of routine maintenance procedures
- initiating and coordinating repair and or replacement of underwater equipment and fittings
- process for liaising with surveyor to ensure work is carried out according to regulatory requirements for the issue or endorsement of relevant certificates
- regulatory vessel certification requirements
- relevant sections of state and territory regulations, and National Standard for Commercial Vessels (NSCV) dealing with master's responsibilities
- relevant WHS/OHS and pollution control legislation
- safe and environmentally responsible work practices when:
 - applying paint
 - disposing of waste from hull scraping operations
 - disposing of waste material
 - transferring fuel
- slipping and docking procedures suitable for various types of hull forms
- slipping or docking a vessel safely
- stability as it applies to slipping and docking a vessel
- stability as it relates to docking or slipping operations and re-floating
- storage principles for paints, chemicals and cleaning agents used in planned maintenance operations
- steering gear arrangements and safety features
- travel lifts
- types, characteristics and functions of:
 - equipment or tools used in cleaning and maintenance
 - underwater vessel machinery and equipment
- use and storage of chemicals
- withdrawal and examination of:
 - propeller and shafts
 - rudder and rudder stock.

Assessment Conditions

Assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment. As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment. 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.

Practical assessment must occur in a workplace, or a realistic simulated workplace, under the normal range of workplace conditions. Simulations and scenarios may be used where situations cannot be provided in the workplace or may occur only rarely, in particular for situations relating to emergency procedures and adverse weather conditions where assessment would be unsafe,

impractical or may lead to environmental damage.

Resources for assessment must include access to:

- applicable documentation, such as legislation, regulations, codes of practice, safety management system (SMS), workplace procedures and operational manuals, including:
 - manufacturer instructions
 - operating or service manuals for the slipping or docking of a vessel and the maintenance of its hull
 - WHS/OHS requirements
 - SDS/MSDS
- a commercial vessel ≤ 7.5 m in length.
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) currently used in industry.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>