



**Australian Government**

# **MARM006 Assist in the survey of commercial vessels**

**Release: 1**

# MARM006 Assist in the survey of commercial vessels

## Modification History

Not applicable.

## Application

This unit involves the skills and knowledge required to assist an accredited surveyor in the survey of commercial vessels. It covers the requirements necessary to effectively plan, monitor and implement a marine survey for a range of commercial vessels. The unit includes evaluating survey and reporting outcomes.

This unit applies to people working in the maritime industry as a marine surveyor assistant.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Not applicable.

## Competency Field

M – Marine Surveying

## Unit Sector

Not applicable.

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

### **1 Plan a marine survey for a commercial vessel**

- 1.1 Applicable work health and safety/occupational health and safety (WHS/OHS), environmental, legislative and organisational requirements are identified and implemented
- 1.2 Environmental awareness issues are considered according to relevant legislation, regulations and site specific requirements
- 1.3 Survey purpose, scope and procedures are identified and checked with appropriate personnel as required
- 1.4 Relevant information and documentation is obtained, interpreted and verified with surveyor for impact on current

- survey
- 1.5 Survey tools, equipment and personnel requirements are coordinated, scheduled and confirmed with surveyor
  - 1.6 Permit or licence requirements are identified and organised according to organisational requirements
  - 1.7 Survey is planned, scheduled and communicated to relevant personnel
- 2 Observe and assist with conducting and monitoring survey**
- 2.1 Survey plan is verified with surveyor
  - 2.2 Consultation with relevant personnel is carried out during survey activity as required
  - 2.3 Survey procedures are monitored to ensure required survey outcome is achieved
  - 2.4 Survey plan is modified as required in response to equipment, personnel, site condition changes and environmental requirements, and is verified with surveyor
  - 2.5 Regular communication with relevant personnel is maintained to ensure continuous workflow and progress
- 3 Finalise survey**
- 3.1 Relevant personnel are informed of results according to organisational requirements
  - 3.2 Required documentation is completed according to survey plan and is verified by surveyor
  - 3.3 Survey report is prepared in an appropriate format, processed according to organisational requirements and checked for accuracy by surveyor
  - 3.4 Survey results are communicated in an appropriate manner to owner/agent of vessel
  - 3.5 Survey data is archived according to organisational requirements
  - 3.6 Survey outcomes are recorded and reported according to site procedures and organisational requirements
- 4 Review survey**
- 4.1 Survey documentation and data are compiled and organised for review, and checked as accurate by surveyor
  - 4.2 Evaluation of survey plan and processes is undertaken and documented for use in reviewing and revising future surveys

- 4.3 Improvements or recommended actions arising from survey plan evaluation are signed off by surveyor, and recorded and reported according to organisational requirements

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

- WHS/OHS requirements must include:
- atmospheric monitoring
  - elimination of hazardous materials and substances
  - fatigue management
  - first aid equipment
  - hazard and risk control
  - manual handling including shifting, lifting and carrying
  - personal protective equipment and clothing
  - safety data sheets/material safety data sheets (SDSs/MSDSs)
  - safety equipment
  - site specific and/or organisational requirements
- Environmental requirements must include:
- legislation
  - organisational policies and procedures
  - site specific and/or organisational requirements
  - workplace practices
- Legislative requirements must include:
- applicable sections of Marine Safety (Domestic Commercial Vessel) National Law
  - National Standard for Commercial Vessels (NSCV)
  - State/Territory legislation, guidelines and handbooks applicable to safe construction, modification and operation of commercial vessels
  - USL Code
  - WHS/OHS Act
- Organisational
- anti-discrimination

- requirements must include:
- award and enterprise agreements
  - code of conduct
  - confidentiality and privacy
  - environment
  - equal opportunity
  - industrial relations
  - professional indemnity and public liability
  - record management systems and archiving
  - relevant industry codes of practice
  - WHS/OHS
- Commercial vessels must include:
- Vessels defined in Marine Safety (Domestic Commercial Vessel) National Law
- Environmental awareness issues must include:
- asbestos
  - bilge
  - blasting
  - coatings
  - fluids identified and otherwise
  - exhaust
  - garbage
  - noise
  - SDSs/MSDSs
  - sewages
- Survey purpose must include:
- initial and periodic surveys of domestic commercial vessels
- Survey scope must include:
- National Standards for Administration of Marine Safety
- Survey procedures must include:
- emergency
  - evacuation
  - handling
  - observation
  - organisational guidelines and code of conduct
  - safety
- Relevant information and documentation include one or more of the following:
- case files/incident reports
  - certificates of survey, operation
  - checklists
  - deck and engine logs

Survey tools and equipment include one or more of the following:

- details of survey location
- forms (such as application forms, notification forms)
- insurance certificates
- licence or permit requirements
- notices (such as seizure notice, infringement notice)
- operating manuals and owner instructions
- plans and charts
- previous surveys
- safety management system
- ship log books and other recordkeeping instruments
- vessel Stability Book
- barcol hardness tester
- boroscope
- communication equipment:
  - internet connection
  - mobile phone
- drill, hammer/welder's hammer, screwdriver, small mallet
- entry authority
- hydrometer
- ICT equipment
- labels
- light meters
- mirror
- moisture meter
- noise meter
- personal protective equipment (such as respirators, gloves, overalls, boots, hearing protection, goggles, masks)
- photographs
- pocket calculator
- recording equipment:
  - camera
  - dictaphone
  - notebook
- scraper
- silver chloride reference cell
- sounding tapes
- tape measure/measuring wheel
- thermography
- thermometers
- ultrasonics
- crew

Relevant personnel must

include:

- manager of private survey company
- owners or owner representatives of vessels and/or charters
- port authorities
- representatives of:
  - classification societies
  - government
  - law firm
  - protection and indemnity clubs
- stevedores
- work colleagues
- yard personnel

Required documentation must include:

- consideration of:
  - checklists
  - diaries
  - legislative requirements
  - logs
  - organisational requirements
  - survey purpose
  - technical evaluations
  - type of vessel to be surveyed

Survey report includes one or more of the following:

- advice given
- costs
- data analysis
- difficulties or issues faced
- documents copied
- measurements recorded
- photographs
- recommendations for future work results
- test results

## Unit Mapping Information

This unit replaces and is equivalent to MARM4002A Assist in the survey of commercial

## Links

Companion Volume implementation guides are found in VETNet -

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