



Australian Government

AURRTA001 Inspect and service deck, hull and cabin equipment

Release: 1

AURRTA001 Inspect and service deck, hull and cabin equipment

Modification History

Release	Comment
Release 1	New unit of competency.

Application

This unit describes the performance outcomes required to inspect and service the equipment of a vessel's deck, hull and cabin. It involves preparing for the task, inspecting the hull and deck of the vessel and the vessel equipment, reporting the inspection findings, servicing and adjusting the equipment as required, and completing workplace processes and documentation.

It applies to those working in the marine service and repair industry.

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

Competency Field

Marine

Unit Sector

Technical

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
1. Prepare to inspect and service deck, hull and cabin equipment	1.1 Job requirements are determined from workplace instructions 1.2 Servicing information is sourced and interpreted 1.3 Hazards associated with the work are identified and risks are managed 1.4 Tools, equipment and materials are selected and checked for serviceability

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold and italicised text is used, further information is detailed in the range of conditions section.
2. Inspect deck and hull	2.1 Inspection is carried out to identify deterioration and damage according to manufacturer specifications, workplace procedures and <i>safety requirements</i> 2.2 Inspection results are compared with manufacturer specifications 2.3 Inspection findings are reported according to workplace procedures, including recommendations for necessary repairs or adjustments
3. Inspect deck, hull and cabin equipment	3.1 Inspection is carried out to identify deterioration, damage and improper operation according to manufacturer specifications, workplace procedures and safety requirements 3.2 Inspection results are compared with manufacturer specifications 3.3 Inspection findings are reported according to workplace procedures, including recommendations for necessary repairs or adjustments
4. Service deck, hull and cabin equipment	4.1 Service and adjustments are carried out according to manufacturer specifications, workplace procedures, and safety and <i>environmental requirements</i>, and without causing damage to components or systems 4.2 Post-service testing is carried out according to workplace procedures
5. Complete work processes	5.1 Final inspection is made to ensure work is to workplace expectations and vessel is presented ready for use 5.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected 5.3 Tools and equipment are checked and stored according to workplace procedures 5.4 Workplace documentation is processed according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance and are not explicit in the performance criteria.

Skills	Description
Learning skills to:	locate appropriate sources of information efficiently.

Skills	Description
Reading skills to:	interpret information from manufacturer and workshop literature when seeking service procedures and specifications relating to deck, hull and cabin equipment.
Writing skills to:	legibly and accurately fill out workplace documentation when reporting inspection findings, making recommendations, and recording parts and material used.
Oral communication skills to:	- clarify instructions - report inspection findings and make repair recommendations.
Numeracy skills to:	interpret numbers on gauges and dials.

Range of Conditions

This section specifies work environments and conditions that may affect performance.

Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Bold italicised wording, if used in the performance criteria, is detailed below.

<i>Safety requirements</i> must include:	work health and safety (WHS) and occupational health and safety (OHS) requirements, including procedures for securing vessels prior to beginning work.
<i>Environmental requirements</i> must include:	procedures for trapping, storing and disposing of waste material produced during servicing processes.

Unit Mapping Information

Equivalent to AURRTA2001 Service deck, hull and cabin equipment

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

Assessment Requirements for AURRTA001 Inspect and service deck, hull and cabin equipment

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Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standard defined in the unit's elements, performance criteria, range of conditions and foundation skills:

- inspect and service the deck, hull and cabin equipment of three different vessels, including:
 - anchor
 - bow and stern rails
 - steering system
 - electrical equipment and lighting.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- work health and safety (WHS) and occupational health and safety (OHS) requirements relating to inspecting and servicing marine deck, hull and cabin equipment, including procedures for securing vessels prior to beginning work
- environmental requirements, including procedures for trapping, storing and disposing of waste material produced during servicing processes
- basic construction methods of vessels, including building materials
- identification, function and basic operation of marine deck, hull and cabin equipment, including:
 - anchors
 - bow and stern rails
 - steering system
 - global positioning system (GPS)
 - radio communication system

- depth sounder
- inspection procedures for marine:
 - decks and hulls, including procedures for identifying deterioration and damage
 - deck, hull and cabin equipment, including procedures for identifying deterioration, damage and improper operation
- service and adjustment procedures for marine deck, hull and cabin equipment, including procedures for lubricating and adjusting steering systems
- post-service testing procedures for marine deck, hull and cabin equipment, including procedures for testing equipment in and out of water.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to the vessels that they have worked on, e.g. repair orders.

Assessors must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- marine repair workplace or simulated workplace
- workplace instructions
- manufacturer vessel specifications
- three different vessels requiring servicing
- tools, equipment and materials appropriate for inspecting and servicing vessel deck, hull and cabin equipment.

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