

<b>Title</b>	<b>Interpret installation requirements and plan a tankage system installation for a vessel</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to interpret requirements for installation of tankage systems on a vessel and plan a tankage system installation on a vessel.
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<b>Classification</b>	Boating Industries > Boatbuilding
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 All work practices must meet recognised codes of practice and documented worksite health and safety procedures (where these exceed code) for personal, product, and worksite health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015 and Resource Management Act 1991, and any subsequent amendments.
- 2 Assessment against this unit standard may be demonstrated by leading and supervising an actual installation or for a simulated situation using a set of plans as a basis for planning.
- 3 Range  
tankage systems may include – water, grey water, fuel, ballast, trim;  
evidence of two tankage systems is required.
- 4 System plumbing is not included as it is covered in Unit standard 26101, *Interpret installation requirements and plan a complex plumbing system installation for a vessel*.
- 5 References  
Information about classification societies can be found at <http://www.iacs.org.uk/>.  
Guide to the New Recreational Craft Directive, available at [www.europeanboatingindustry.eu](http://www.europeanboatingindustry.eu).  
National Standard for Commercial Vessels (Australia) <http://www.amsa.gov.au>.

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### Outcomes and performance criteria

#### Outcome 1

Interpret requirements for installation of tankage systems on a vessel.

**Performance criteria**

- 1.1 Location of tanks and associated components is determined and verified in accordance with vessel plans and specifications.
- 1.2 Tankage construction requirements are determined in accordance with vessel plans and specifications.
- 1.3 Installation criteria for tanks and associated components are determined in accordance with manufacturer’s specifications and vessel plans and specifications.
- 1.4 Corrosion protection and antifouling requirements are determined in accordance with tank material and system type and layout.

**Outcome 2**

Plan a tankage system installation on a vessel.

**Performance criteria**

- 2.1 Tanks and associated components are sourced in accordance with system requirements.  
  
Range may include – custom made, vendor sourced.
- 2.2 Installation is planned in terms of order and stages of work.  
  
Range main tank mounting, connection, testing, commissioning, documentation.
- 2.3 Installation is planned to avoid potential conflict with other systems.  
  
Range may include but is not limited to – electrical, refrigeration, air conditioning, hydraulic, fuel.
- 2.4 Planned installation complies with relevant rules.  
  
Range relevant rules may include but are not limited to – class society rules, maritime rules, company rules, designer specifications.

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<b>Planned review date</b>	31 December 2026
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	21 May 2010	31 December 2023
Rollover and Revision	2	30 August 2018	31 December 2023
Review	3	26 August 2021	N/A

**Consent and Moderation Requirements (CMR) reference**

0136

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact the NZ Marine and Composites ITO [training@nzmarine.com](mailto:training@nzmarine.com) if you wish to suggest changes to the content of this unit standard.