



**Australian Government**

# **RIICWD537D Prepare detailed design of marine structures civil works**

**Release: 2**

## RIICWD537D Prepare detailed design of marine structures civil works

### Modification History

Release	Comment
1	This unit replaces RIICWD537A Prepare detailed design of marine structures civil works
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

### Application

This unit describes a participant's skills and knowledge required to prepare detailed design of marine structures civil works in Civil construction.

This unit is appropriate for those working in management or technical specialist roles.

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

### Unit Sector

Civil construction

### Elements and Performance Criteria

1. Plan and prepare for the detailed design of marine structures civil works	1.1 Access, interpret and apply detailed design of marine structures civil works documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and confirm the marine structures civil works project requirements and information 1.4 Prepare a design plan
2. Undertake the detailed design of marine structures civil works	2.1 Interpret and analyse the data and identify viable options for the 2.2 Interpret and analyse data and recommend the preferred option 2.3 Complete the detailed design

	<p>2.4 Prepare a cost estimate for the execution of the design</p> <p>2.5 Participate in the review of design with peers and stakeholders</p> <p>2.6 Complete required documentation</p> <p>2.7 Monitor and coordinate the progress of other team members involved in the design process</p> <p>2.8 Gain design approval</p>
3. Finalise design processes of marine structures civil works	<p>3.1 Ensure filing of design records is completed</p> <p>3.2 Complete and submit design cost and other reporting</p> <p>3.3 Participate in performance review of the design process</p> <p>3.4 Seek client feedback and contribute to the verification of the design</p> <p>3.5 Close out all systems</p>
4. Support and review the application of the design of marine structures civil works	<p>4.1 Provide clarification and advice to those applying the design</p> <p>4.2 Review the application of the design and recommend changes for continuous improvement</p> <p>4.3 Contribute to the validation of the design</p>

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

## Unit Mapping Information

RIICWD537A Prepare detailed design of marine structures civil works

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>