



Australian Government

RIICWD534D Prepare detailed design of civil steel structures

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIICWD534A Prepare detailed design of civil steel structures
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 civil steel structures 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 civil steel structures	1.1 Access, interpret and apply detailed design of civil steel structures documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and confirm the civil steel structures project requirements and information 1.4 Prepare a design plan which makes best use of the available resources
2. Undertake the detailed design of civil steel structures	2.1 Interpret and analyse data and identify viable options 2.2 Interpret and analyse data and recommend the preferred option 2.3 Complete the detailed design 2.4 Prepare a cost estimate for the execution of the design 2.5 Participate in the review of the design with peers and

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

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

RIICWD534 Prepare detailed design of civil steel structures

Links

Companion Volume implementation guides are found in VETNet -

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