



Australian Government

RH60515 Advanced Diploma of Civil Construction Design

Release 3

RII60515 Advanced Diploma of Civil Construction Design

Modification History

Release	Comments
1	This qualification replaces RII60513 Advanced Diploma of Civil Construction Design. Amended packaging rules. Added new unit RIILAT402D Provide supervision in the leadership of diverse work teams to Group B electives. Updated codes on imported units. Added qualification mapping information.
2	This version was released with RII Resources and Infrastructure Training Package version 3.0.
3	Minor change to add the following unit of competency to the elective list: RIIBEF604E Conduct a feasibility study

Qualification Description

This qualification reflects the role of senior civil works designers or para-professional designers who support professional engineers. They perform tasks that are broad, specialised, complex and technical and include strategic areas and initiating activities. They are responsible for the design of complex projects to ensure the implementation of the client's site requirements and are required to demonstrate self-directed application of theoretical and technical knowledge and initiate solutions to technical problems or management requirements.

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

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

The following provides the packaging rules for this qualification, followed by the list of relevant units of competency.

Total number of units = 12

5 core units plus

7 elective units, of which

- at least four (4) must be chosen from Group A
- at least one (1) must be chosen from Group B

- no more than two (2) units from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

All elective units selected from outside this qualification must reflect current occupational and learning outcomes of this AQF qualification level.

There are no prerequisites to imported units listed in this qualification. Where a unit is imported as an elective care must be taken to ensure that all prerequisites specified are complied with.

Core units of competency	
<i>Unit code</i>	<i>Unit title</i>
BSBPMG616	Manage program risk
BSBWHS609	Advise on application of safe design principles to control WHS risk
BSBWOR502	Lead and manage team effectiveness
RIICWD601D	Manage the civil works design process
RIIQUA601D	Establish and maintain a quality system
Electives	
Group A	
<i>Unit code</i>	<i>Unit title</i>
BSBMGT608	Manage innovation and continuous improvement
BSBMGT617	Develop and implement a business plan
BSBPMG601	Direct the integration of projects
BSBPMG602	Direct the scope of a project program
BSBPMG603	Direct time management of a project program
BSBPMG604	Direct cost management of a project program
BSBPMG605	Direct quality management of a project program
BSBPMG606	Direct human resource management of a project program
BSBPMG607	Direct communications management of a project program
BSBPMG609	Direct procurement and contracting for a project program
BSBSMB420	Evaluate and develop small business operations
RIIBEF601D	Conduct business negotiations
RIIBEF604E	Conduct feasibility study
Group B	
<i>Unit code</i>	<i>Unit title</i>

RIICWD507D	Prepare detailed geotechnical design
RIICWD509D	Prepare detailed design of urban roads
RIICWD510D	Prepare detailed design of busways
RIICWD512D	Prepare detailed design of motorways and interchanges
RIICWD520D	Prepare detailed design of rigid pavements
RIICWD526D	Prepare detailed traffic analysis
RIICWD528D	Prepare detailed design of traffic management systems
RIICWD532D	Prepare detailed design of tunnels
RIICWD533D	Prepare detailed design of civil concrete structures
RIICWD534D	Prepare detailed design of civil steel structures
RIICWD535D	Prepare detailed design of civil timber structures
RIICWD536D	Prepare detailed design of civil masonry, crib and gabion structures
RIILAT402D	Provide supervision in the leadership of diverse work teams

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RII60515 Advanced Diploma of Civil Construction Design	RII60513 Advanced Diploma of Civil Construction Design	Packaging rules changed to clarify intent; added one elective unit	Equivalent qualification

Links

Companion Volume implementation guides are found in VETNet -

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