



**Australian Government**

# **RII50420 Diploma of Civil Construction Management**

**Release 3**

## RII50420 Diploma of Civil Construction Management

### Modification History

Release	Comments
Release 3	This version was released with RII Resources and Infrastructure Industry Training Package Version 8.0.  Qualification updated to house new and existing units of competency to allow learners to access training relevant to civil infrastructure asset management.
Release 2	This version was released with RII Resources and Infrastructure Training Package version 7.0.  Version created to fix typographical and/or unit grid errors.
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

### Qualification Description

This qualification reflects the role of individuals working on a single or a group of civil construction sites, who perform tasks involving a high level of autonomy and require the application of significant judgement in planning and determining the selection of equipment, roles and techniques for themselves and others. They are required to develop site specific work instructions and practices to ensure the implementation of the site management systems, plans and policies. They demonstrate the application of a broad range of technical, managerial, coordination and planning skills.

#### Licensing, legislative, regulatory or certification considerations

Licensing, legislative, regulatory and certification requirements that apply to this qualification can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the qualification.

### Entry Requirements

Nil

### Packaging Rules

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

**Total number of units = 13**

**5 core units** plus**8 elective units**, of which:

- at least one (1) must be chosen from Group A
- at least four (4) must be chosen from Group B
- no more than two (2) may come 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 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.

<b>Core units of competency</b>	
<b>Unit code</b>	<b>Unit title</b>
BSBTWK502	Manage team effectiveness
BSBWHS521	Ensure a safe workplace for a work area
RIIENV501E	Implement and maintain environmental management plans
RIIQUA501E	Implement, monitor and develop quality management plans
RIIRIS501E	Implement and maintain management systems to control risk
<b>Electives</b>	
<b>Group A</b>	
RIICWM501E	Implement civil construction plans
RIICWM502E	Implement civil works maintenance programs
<b>Group B</b>	
BSBFIN501	Manage budgets and financial plans
BSBHRM522	Manage employee and industrial relations
BSBHRM523	Coordinate the learning and development of teams and individuals
BSBHRM525	Manage recruitment and onboarding
BSBINS501	Implement information and knowledge management systems
BSBOPS502	Manage business operational plans
BSBOPS505	Manage organisational customer service
BSBPEF501	Manage personal and professional development
BSBPMG530	Manage project scope
BSBPMG531	Manage project time
BSBPMG532	Manage project quality

BSBPMG533	Manage project cost
BSBPMG534	Manage project human resources
BSBPMG535	Manage project information and communication
BSBPMG536	Manage project risk
BSBPMG537	Manage project procurement
BSBPMG540	Manage project integration
BSBSTR501	Establish innovative work environments
BSBSTR502	Facilitate continuous improvement
LGACOM401A	Administer contracts
LGAWORK501A	Prepare preliminary design for operational works
LGAWORK502A	Prepare detailed works project documentation
LGAWORK503A	Undertake project investigation
MSL924003	Process and interpret data
MSL925004*	Analyse data and report results
MSL954004	Obtain representative samples in accordance with sampling plan
MSL973021	Conduct field-based acceptance tests for construction materials
MSL973022	Conduct laboratory-based acceptance tests for construction materials
MSL974026*	Perform tests to determine the properties of construction materials
MSL975031*	Supervise sampling, inspections and testing at construction sites
MSL975044*	Perform complex tests to measure engineering properties of materials
RIIBLA401E	Manage blasting operations
RIIBLA403	Design blasts
RIICWD503E	Prepare traffic management plans and traffic guidance schemes
RIICWD538*	Prepare traffic management plans and traffic guidance schemes for high volume roads
RIICWD539*	Prepare traffic management plans and traffic guidance schemes for motorways and freeways
RIICWM503E	Prepare civil works cost estimates
RIICWM504E	Prepare civil works bill of quantities
RIICWM505E	Prepare civil works schedule of rates
RIILAT402E	Provide leadership in the supervision of diverse work teams
RIIRAI502D	Develop and implement site plant and resource management plan

RIIRIS403E	Manage and coordinate spill response
RIISAM501E	Implement and maintain the site plant, equipment and infrastructure maintenance plans

\*Note the following prerequisite unit requirements.

UNIT IN THIS QUALIFICATION	PREREQUISITE UNITS
MSL925004 Analyse data and report results	<ul style="list-style-type: none"> <li>MSL924003 Process and interpret data</li> </ul>
MSL974026 Perform tests to determine the properties of construction materials	<ul style="list-style-type: none"> <li>MSL973022 Conduct laboratory-based acceptance tests for construction materials</li> </ul>
MSL975031 Supervise sampling, inspections and testing at construction sites	<ul style="list-style-type: none"> <li>MSL954004 Obtain representative samples in accordance with sampling plan</li> <li>MSL973021 Conduct field-based acceptance tests for construction materials</li> </ul>
MSL975044 Perform complex tests to measure engineering properties of materials	<ul style="list-style-type: none"> <li>MSL974026 Perform tests to determine the properties of construction materials</li> <li>MSL973022 Conduct laboratory-based acceptance tests for construction materials</li> </ul>
RIICWD538 Prepare traffic management plans and traffic guidance schemes for high volume roads	<ul style="list-style-type: none"> <li>RIICWD503E Prepare traffic management plans and traffic guidance schemes on multilane roads and signalised intersections</li> </ul>
RIICWD539 Prepare traffic management plans and traffic guidance schemes for motorways and freeways	<ul style="list-style-type: none"> <li>RIICWD503E Prepare traffic management plans and traffic guidance schemes on multilane roads and signalised intersections</li> </ul>

## Qualification Mapping Information

Supersedes and is equivalent to RII50415 Diploma of Civil Construction Management.

## Links

Companion Volume Implementation Guide is found on VETNet -

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