



**Australian Government**

# **RII40615 Certificate IV in Civil Construction Operations**

**Release: 4**

## RII40615 Certificate IV in Civil Construction Operations

### Modification History

Release	Comments
1	This qualification replaces RII40613 Certificate IV in Civil Construction Operations. Amended packaging rules. Added new unit RIILAT402D Provide supervision in the leadership of diverse work teams to Group B electives. Updated codes of imported units. Added qualification mapping information.
2	This version was released with RII Resources and Infrastructure Training Package version 3.0.
3	Editorial corrections.
4	Minor change to add the following units of competency to the elective list: RIICCR401E Develop and maintain positive community relations

### Qualification Description

This qualification reflects the role of specialist civil construction personnel who perform technical specialist tasks. They perform tasks involving a broad range of varied activities most of which are complex and non-routine. They are responsible for applying the site work instructions and practices to ensure the quantity and quality of their outputs and contribute to the development of technical solutions for non-routine problems.

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

**4 core units** plus

**8 elective units**, of which:

- at least four (4) must be chosen from Group A
- at least two (2) must be chosen from Group B

- no more than two (2) units may be chosen 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 both licensed and non-licensed units of competency relating to high risk work in the RII Resources and Infrastructure Industry Training Package. To be appointed under any statutory requirements in related roles, units of competency should be selected to meet the state/territory licensing requirements.

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.

<b>Core units of competency</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBWHS401	Implement and monitor WHS policies, procedures and programs to meet legislative requirements
RIIENV402D	Implement and monitor environmental policies
RIIQUA401D	Apply a quality management system on site
RIIRIS301D	Apply risk management processes
<b>Electives</b>	
<b>Group A</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBPMG416	Apply project procurement procedures
LGACOM401 A	Administer contracts
LGACOM402 A	Arrange contracts
LGACOM409 A	Prepare tender documentation
LGACOM410 A	Prepare response to tenders
LGAWORK40 1A	Develop works maintenance schedule
LGAWORK40 2A	Prepare for operational works
LGAWORK40 3A	Manage civil plant and resources

MSL924003	Process and interpret data
MSL953003	Receive and prepare samples for testing
MSL973013	Perform basic tests
MSL973014	Prepare working solutions
MSL973018	Prepare trial batches for evaluation
MSL974016	Perform physical and mechanical tests
MSL974017	Prepare, standardise and use solutions
MSL974019	Perform chemical tests and procedures
RIIBLA301D	Conduct surface shotfiring operations
RIICBS401D	Apply the principles for the asphalt paving and compaction
RIICBS402D	Apply the principles for the application of bituminous sprayed treatment
RIICBS403D	Apply the principles for the application of polymer modified binder
RIICBS404D	Apply the principles for the selection and use of bituminous emulsion
RIICBS405D	Apply the principles for the application of slurry surfacing
RIICBS406D	Apply the principles of pavement profiling using a profiler
RIICBS407D	Apply the principles for the manufacture and delivery of hot mix asphalt
RIICBS408D	Apply the principles for the manufacture of cold mix
RIICBS409D	Apply the principles for the manufacture of polymer modified binder
RIICBS410D	Apply the principles for the manufacture of bituminous emulsion
RIICBS411D	Apply the principles for the manufacture of slurry surfacing
RIICPL401D	Apply the principles for the installation of underground service using open excavation
RIICRC401D	Apply the principles of flexible pavement construction
RIICRC402D	Apply the principles of rigid pavement construction
RIICRC403D	Apply the principles of the stabilisation of materials
RIICRC404D	Inspect and report on pavement condition
RIICRC405D	Carry out pavement condition measurement
RIICRC406D	Apply the principles of pavement maintenance
RIICSG401D	Apply the principles of civil concrete structures construction
RIICSG402D	Apply the principles of civil steel structures construction
RIICSG403D	Apply the principles of civil timber structures construction
RIICSG404D	Apply the principles of civil masonry, crib and gabion structure construction

RIICSG405D	Carry out inspections of civil structures
RIICSG406D	Apply principles of maintenance of civil structures
RIICTC401D	Apply the principles of tunnel construction
RIICTT401D	Apply the principles for the installation of underground services using trenchless technology
RIICWD525D	Select pavement surfacing
RIICWM402D	Supervise civil works contractors
RIIDML401D	Apply the principles of demolitions
RIIMEX403D	Apply the principles of canal construction
RIIMPO402D	Apply the principles of earthworks construction
RIIRIS403D	Managing and coordinating spill responses
<b>Group B</b>	
<i>Unit code</i>	<i>Unit title</i>
BSBMGT402	Implement operational plan
BSBMGT403	Implement continuous improvement
RIICCR401E	Develop and maintain positive community relations
RIICOM301D	Communicate information
RIIGOV401D	Apply, monitor and report on compliance systems
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
RII40615 Certificate IV in Civil Construction Operations	RII40613 Certificate IV in Civil Construction Operations	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>

