



**Australian Government**

# **RII40715 Certificate IV in Civil Construction Supervision**

**Release 3**

## RII40715 Certificate IV in Civil Construction Supervision

### Modification History

Release	Comments
1	This qualification replaces RII40713 Certificate IV in Civil Construction Supervision. 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.
2	This version was released with RII Resources and Infrastructure Training Package version 3.0.
3	Minor change to add the following units of competency to the elective list: RIIBLA401E Manage blasting operations RIIBLA402E Monitor and control the effects of blasting on the environment RIICCR401E Develop and maintain positive community relations RIIENV401E Supervise dust and noise control RIIQUA401E Apply a quality management system on site RIIWHS401E Supervise work in confined spaces

### Qualification Description

This qualification reflects the role of employees working in supervisory positions in civil construction. They perform tasks involving a broad range of varied activities most of which are complex and non-routine. They are responsible for the quantity and quality of the output of others, contribute to the development of technical solutions to non-routine problems and apply management plans to the workplace.

Licensing, legislative, regulatory and certification requirements that apply to this qualification can vary between states, territories, and industry sectors. Relevant information must be sourced prior to application of the qualification.

### 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 two (2) 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 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 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>
BSBMGT401	Show leadership in the workplace
BSBMGT402	Implement operational plan
BSBWHS401	Implement and monitor WHS policies, procedures and programs to meet legislative requirements
RIICWM401D	Supervise civil works
RIIRIS401D	Apply site risk management system
<b>Electives</b>	
<b>Group A</b>	
<i>Unit code</i>	<i>Unit title</i>
LGAWORK401 A	Develop works maintenance schedule
LGAWORK402 A	Prepare for operational works
MSL924003	Process and interpret data
MSL975031	Supervise sampling, inspections and testing at construction sites <ul style="list-style-type: none"> <li>• Prerequisite units:               <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</li> </ul> </li> </ul>

	construction materials
MSL975044	<p>Perform complex tests to measure engineering properties of materials</p> <p>Prerequisite units:</p> <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>
RIIBLA401E	Manage blasting operations
RIIBLA402E	Monitor and control the effects of blasting on the environment
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
RIICTT402D	Apply the principles for the repair and rehabilitation of underground services using trenchless technology
RIICWD525D	Select pavement surfacing
RIICWM402D	Supervise civil works contractors
RIICWM503D	Prepare civil works cost estimate
RIICWM504D	Prepare civil works bill of quantities
RIICWM505D	Prepare civil works schedule of rates
RIIDML401D	Apply the principles of demolitions
RIIMEX403D	Apply the principles of canal construction
RIIMPO402D	Apply the principles of earthworks construction
<b>Group B</b>	
<b><i>Unit code</i></b>	<b><i>Unit title</i></b>
BSBCUS401	Coordinate implementation of customer service strategies
BSBFIA412	Report on financial activity
BSBFIM501	Manage budgets and financial plans
BSBINM401	Implement workplace information system
BSBINN301	Promote innovation in a team environment
BSBLED401	Develop teams and individuals
BSBMGT403	Implement continuous improvement
BSBPMG413	Apply project human resources management approaches
BSBPMG416	Apply project procurement procedures
BSBPMG522	Undertake project work
BSBSMB403	Market the small business
BSBSMB404	Undertake small business planning

BSBSMB402	Plan small business finances
BSBSUS401	Implement and monitor environmentally sustainable work practices
BSBWOR404	Develop work priorities
LGACOM401A	Administer contracts
LGACOM402A	Arrange contracts
LGACOM409A	Prepare tender documentation
LGACOM410A	Prepare response to tenders
LGADMIN417A	Conduct community consultations
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
RIICCR401E	Develop and maintain positive community relations
RIICOM301D	Communicate information
RIICWD503D	Prepare work zone traffic management plan
RIIENV401E	Supervise dust and noise control
RIIGOV401D	Apply, monitor and report on compliance systems
RIILAT402D	Provide supervision in the leadership of diverse work teams
RIIQUA401E	Apply a quality management system on site
RIIRAI402D	Apply and monitor site plant and resource management plan
RIIRIS301D	Apply risk management processes
RIIRIS403D	Managing and coordinating spill response
RIISAM401D	Apply site plant, equipment and infrastructure management plan
RIIWHS302D	Implement traffic management plan
RIIWHS401E	Supervise work in confined spaces

## Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RII40715 Certificate IV in Civil Construction Supervision	RII40713 Certificate IV in Civil Construction Supervision	Packaging rules changed to clarify intent; added elective unit and updated unit codes	Equivalent qualification

## Links

Companion Volume implementation guides are found in VETNet -

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