



**Australian Government**

# **RII40613 Certificate IV in Civil Construction Operations**

**Release 2**

## **RII40613 Certificate IV in Civil Construction Operations**

### **Modification History**

| <b>Release</b> | <b>Comments</b>                      |
|----------------|--------------------------------------|
| 1.1            | Unit title for BSBWHS401A corrected. |

### **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

Requirements for completion of the qualification

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

Successful completion of twelve (12) units of competency made up of:

- four (4) core units, and
- eight (8) elective units of which:
  - at least four (4) must be chosen from A
  - at least two (2) must be chosen from group B
  - up to two (2) units may be chosen from Certificate III, Certificate IV or Diploma level from this, or any other Training Package or accredited course

Units chosen must be relevant to the job function.

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>  |
| RIIENV402D               | Implement and monitor environmental policies   |
| BSBWHS401A               | Implement and monitor WHS policies, procedures and programs to meet legislative requirements |
| RIIQUA401D               | Apply a quality management system on site  |
| RIIRIS301D               | Apply risk management processes  |
| Electives                |  |
| Group A                  |  |
| <i>Unit code</i>         | <i>Unit title</i>  |
| 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             |
| 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                             |
| RIICWD525D  | Select pavement surfacing  |
| RIICWM402D  | Supervise civil works contractors  |
| RIIDML401D  | Apply the principles of demolitions                                      |
| LGAWORK401A | Develop works maintenance schedule                                       |
| LGAWORK402A | Prepare for operational works  |
| LGAWORK403A | Manage civil plant and resources   |
| LGACOM401A  | Administer contracts   |
| LGACOM402A  | Arrange contracts  |
| LGACOM409A  | Prepare tender documentation   |
| LGACOM410A  | Prepare response to tenders  |
| BSBPMG416A  | Apply contract and procurement procedures                                |
| MSL953001A  | Receive and prepare samples for testing                                  |
| MSL974001A  | Prepare, standardise and use solutions                                   |
| PMLTEST403B | Assist with geotechnical site investigations                             |
| MSL974003A  | Perform chemical tests and procedures                                    |
| MSL974005A  | Perform physical tests   |
| MSL974010A  | Perform mechanical tests   |

|                  |   |
|------------------|---|
| MSL973001A       | Perform basic tests   |
| MSL973002A       | Prepare working solutions   |
| MSL973006A       | Prepare trial batches for evaluation  |
| MSL924001A       | Process and interpret data  |
| RIICPL401D       | Apply the principles for the installation of underground service using open excavation        |
| RIICTT401D       | Apply the principles for the installation of underground services using trenchless technology |
| RIICTC401D       | Apply the principles of tunnel construction   |
| 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   |
| RIIMEX403D       | Apply the principles of canal construction  |
| RIIMPO402D       | Apply the principles of earthworks construction   |
| RIIBLA301D       | Conduct surface shotfiring operations   |
| RIIRIS403D       | Managing and coordinating spill responses   |
| Group B          |   |
| <i>Unit code</i> | <i>Unit title</i>   |
| BSBMGT402A       | Implement operational plan  |
| BSBMGT403A       | Implement continuous improvement  |
| RIICCR401D       | Develop and maintain positive community relations   |
| RIICOM301D       | Communicate information   |
| RIIGOV401D       | Apply, monitor and report on compliance systems   |

## Qualification Mapping Information

No equivalent qualification

## **Links**

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>