



LRES

Training Management



Resources and Infrastructure Industry Training Package Qualification Packaging based on Unit Resources Available from LRES Training Management

Last Updated: Wednesday, 15 March 2023

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Complete Qualifications

Note: Units highlighted are those available from LRES Training Management

RII30115 - Certificate III in Surface Extraction Operations (Release 1)

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

3 core units plus

10 elective units, of which:

- one (1) must be chosen from Group A
- one (1) must be chosen from Group B
- at least three (3) must be chosen from Group C
- no more than (3) may be chosen from Group D
- no more than (2) may be chosen from 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.

Core units of competency	
Unit code	Unit title
RIIENV201D	Identify and assess environmental and heritage concerns
RIIRIS301D	Apply risk management processes
RIIWHS201D	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIICOM301D	Communicate information
RIICOM302D	Communicate workplace information
<i>Group B</i>	
Unit code	Unit title
RIIGOV201D	Comply with site work processes/procedures
RIIQUA201D	Maintain and monitor site quality standards

<i>Group C</i>	
Unit code	Unit title
MSAPMPER300C	Issue work permits Prerequisite unit: RIIRIS201B Conduct local risk control
RIIBHD301D	Conduct surface blast hole drilling operations
RIIBHD304D	Set up and prepare for open cut drilling operations
RIIBHD305D	Conduct down-hole hammer drilling
RIIBLA301D	Conduct surface shotfiring operations
RIIMCO301D	Conduct control centre operations
RIIMCO302D	Conduct surface miner operations
RIIMCO303D	Conduct auger miner operations
RIIMEX301D	Conduct dredging operations
RIIMEX302D	Assess ground conditions
RIIMPG301D	Control and monitor automated plant/machinery
RIIMPO206D	Conduct bulk water truck operations
RIIMPO301D	Conduct hydraulic excavator operations
RIIMPO302D	Conduct hydraulic shovel operations
RIIMPO303D	Conduct rope shovel operations
RIIMPO304D	Conduct wheel loader operations
RIIMPO305E	Conduct coal stockpile dozer operations
RIIMPO306D	Operate plant/machinery on live stockpiles
RIIMPO308E	Conduct tracked dozer operations
RIIMPO309E	Conduct wheeled dozer operations
RIIMPO310E	Conduct grader operations
RIIMPO312D	Conduct scraper operations
RIIMPO313D	Conduct face loading operations
RIIMPO329D	Conduct dragline operations
RIIMPO330D	Conduct bucket wheel operations
RIIMPO331D	Conduct stockpile dozer operations
RIIMPO336D	Conduct belly dump truck operations
RIIMPO337D	Conduct articulated truck operations
RIIMPO338D	Conduct rigid haul truck operations
RIINHB307D	Conduct conventional core drilling
RIIEO301D	Conduct conveyor-car high wall mining operations
RIIPRO301D	Conduct crushing and screening plant operations
RIIPRO302D	Perform process control room operations
RIIPRO303D	Conduct sand wash plant operations
RIISAM202D	Isolate and access plant
RIISAM301E	Test operational functions of vehicles and equipment
RIISRM301D	Blend stockpile materials
RIISRM302D	Conduct stockpile reclaiming operations
RIISRM303D	Move and position materials to form stockpiles
RIISRM304D	Maintain stockpiles
RIIVEH201D	Operate light vehicle
RIIVEH305E	Operate and maintain a four wheel drive vehicle

RIIVH307E	Operate heavy rigid vehicle
<i>Group D</i>	
Unit code	Unit title
AHCNAR303A	Implement revegetation works
AHCSAW301A	Construct conservation earthworks
BSBDIV301	Work effectively with diversity
BSBINN301	Promote innovation in a team environment
BSBPUR301	Purchase goods and services
CPCCLDG3001A	Licence to perform dogging
CPCCLSF3001A	Licence to erect, alter and dismantle scaffolding intermediate level • Prerequisite unit: CPCCLSF2001A Licence to erect, alter and dismantle scaffolding basic level
HLTAID003	Provide first aid
MSL924001A	Process and interpret data
MSL943001A	Work safely with instruments that emit ionising radiation
MSL913002A	Plan and conduct laboratory/field work
MSL973001A	Perform basic tests
RIIBEF302D	Monitor site production activities
RIIBLA201D	Support shotfiring operations
RIIBLA205D	Store, handle and transport explosives
RIIBLA305D	Conduct secondary blasting
RIIBLA306D	Conduct accretion firing
RIIBLA307D	Conduct blast survey
RIIBLA308D	Conduct electronic blasting operations
RIICRC310D	Construct and maintain roads
RIIERR301D	Respond to mine incident
RIIERR302D	Respond to local emergencies and incidents
RIIERR308D	Extricate and transport people involved in incidents
RIIERR310D	Provide support for rescue operations
RIIHAN208D	Perform dogging
RIIHAN301D	Operate elevating work platforms
RIIHAN302D	Conduct intermediate scaffolding operations
RIIHAN304D	Conduct slewing crane operations
RIIHAN305D	Operate a gantry or overhead crane
RIIHAN306D	Carry out lifting using multiple cranes
RIIHAN307D	Operate a vehicle loading crane
RIIHAN311E	Conduct operations with integrated tool carrier
RIIPEO206D	Lay and recover cables and hoses
RIIRIS202D	Respond to site based spills
RIISAM303D	Shut down dredge for operator maintenance
RIISAM304D	Install, commission and maintain major conveyor equipment and systems
RIISAM305D	Repair and splice conveyor belting
RIISAM306D	Service and maintain conveyors, feeders and hoppers
RIISAM307D	Service and maintain crushers
RIISAM308D	Service and maintain screens

RIISAM309D	Service and maintain pumps
RIISTD301D	Take environmental samples and measurements
RIIVEH302D	Operate multi-combination vehicle
RIIVEH303D	Drive heavy combination vehicle
RIIVEH306D	Operate mine services vehicle
RIIWH301D	Conduct safety and health investigations
TLIC3004A	Drive heavy rigid vehicle
TLID2022A	Conduct weighbridge operations
TLILIC0012A	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)
TLILIC2005A	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)
TLILIC2016B	Licence to drive a heavy rigid vehicle
TLILIC3003A	Licence to operate a bridge and gantry crane
TLILIC3008A	Licence to operate a slewing mobile crane (up to 20 tonnes)
TLILIC3017B	Licence to drive a heavy combination vehicle
TLILIC3018B	Licence to drive a multi combination vehicle

RII60515 - Advanced Diploma of Civil Construction Design (Release 2)

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.

<i>Core units of competency</i>	
Unit code	Unit title
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
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
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
RIIBEF604D	Conduct feasibility study
<i>Group B</i>	
Unit code	Unit title
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

RII60520 - Advanced Diploma of Civil Construction Design (Release 1)

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 three (3) 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.

<i>Core units of competency</i>	
Unit code	Unit title
BSBPMG632	Manage program risk
BSBTWK502	Manage team effectiveness
BSBWHS616	Apply safe design principles to control WHS risks
RIICWD601E	Manage civil works design processes
RIIQUA601E	Establish and maintain a quality system
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
BSBESB406	Establish operational strategies and procedures for new business ventures
BSBOPS601	Develop and implement business plans
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
BSBPMG537	Manage project procurement
BSBPMG540	Manage project integration
BSBST601	Manage innovation and continuous improvement

RIIBEF601E	Conduct business negotiations
RIIBEF604E	Conduct feasibility study
<i>Group B</i>	
Unit code	Unit title
RIICWD507D	Prepare detailed geotechnical design
RIICWD509E	Prepare detailed design of urban roads
RIICWD510E	Prepare detailed design of busways
RIICWD512E	Prepare detailed design of motorways and interchanges
RIICWD520E	Prepare detailed design of rigid pavements
RIICWD526E	Prepare detailed traffic analysis
RIICWD528E	Prepare detailed design of traffic management systems
RIICWD532E	Prepare detailed design of tunnels
RIICWD533E	Prepare detailed design of civil concrete structures
RIICWD534E	Prepare detailed design of civil steel structures
RIICWD535E	Prepare detailed design of civil timber structures
RIICWD536E	Prepare detailed design of civil masonry, crib and gabion structures
RIILAT402E	Provide supervision in the leadership of diverse work teams

Incomplete Qualifications

Note: Units highlighted are those available from LRES Training Management

RIISS00055 - Traffic Management Implementer Skill Set (Release 2)

Skill Set Requirements

Successful completion of 5 units of competency:

- RIIWHS201D Work Safely and follow WHS policies and procedures
- RIICOM201D Communicate in the workplace
- RIIRIS301D Apply risk management processes
- RIIWHS302E Implement traffic management plans
- RIIWHS303 Position, set up and program portable traffic control devices.

RIISS00060 - Traffic Management Implementer Skill Set for Urban Streets and Low Volume Rural Roads (Release 1)

Skill Set Requirements

Successful completion of the following five units of competency or equivalent and practical experience applying the relevant skills and knowledge in a temporary traffic management workplace, completing at least 3 different types of set ups:

- RIIWHS201E Work safely and follow WHS policies and procedures
- RIICOM201E Communicate in the workplace
- RIIRIS301E Apply risk management processes
- RIIWHS302E Implement traffic management plans
- RIIWHS303 Position, set up and program portable traffic control devices.

RIISS00034 - Surface Coal Mine Safety Skill Set (Release 1)

Licensing/Regulatory Information

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

This Skill Set addresses the regulatory requirements for open-cut coal mining specified in Recognised Standard 11, Training in coal mines - Coal Mining Safety and Health Act, Queensland.

Entry Requirements

Successful completion of six (6) units of competency listed below:

RIIWHS201D	Work safely and follow WHS policies and procedures
RIIERR205D	Apply initial first aid
RIIGOV201D	Comply with site work processes/procedures
RIIRIS201D	Conduct local risk control
RIICOM201D	Communicate in the workplace
RIIERR302D	Respond to local emergencies and incidents

RIISS00032 - Site Health and Safety Coordinator Skill Set (Release 2)

Licensing/Regulatory Information

Licensing, legislative, regulatory and certification requirements that apply to this Skill Set can vary between States, Territories, and industry sectors. Relevant information must be sourced prior to application of the Skill Set.

Skill Set Requirements

Successful completion of six (6) units of competency listed below:

BSBWHS403	Contribute to implementing and maintaining WHS consultation and participation processes
BSBWHS401	Implement and monitor WHS policies, procedures and programs to meet legislative requirements
RIIWHS301D	Conduct safety and health investigation
RIIWHS403D	Apply the mine work health and safety management plan
RIIWHS404D	Implement and monitor health and hygiene management systems
RIIRIS402D	Carry out risk management processes

RII10115 - Certificate I in Resources and Infrastructure Operations (Release 1)

Packaging Rules

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

Total number of units = 6

3 core units plus

3 elective units, of which:

- no more than three (3) units may be chosen from the electives listed below
- no more than one (1) unit 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 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.

<i>Core units of competency</i>	
Unit code	Unit title
RIIBEF201D	Plan and organise work
RIICOM201D	Communicate in the workplace
RIIWHS201D	Work safely and follow WHS policies and procedures
<i>Elective units</i>	
Unit code	Unit title
BSBITU101	Operate a personal computer
BSBSUS201	Participate in environmentally sustainable work practices
RIICCM201D	Carry out measurements and calculations
RIICCM203D	Read and interpret plans and specifications
RIIENV201D	Identify and assess environmental and heritage concerns
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS201D	Conduct local risk control
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIISTD201D	Read and interpret maps
RIISTD202D	Collect routine site samples

RII20815 - Certificate II in Bituminous Surfacing (Release 1)

Packaging Rules

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

Total number of units = 17

10 core units plus

7 elective units, of which:

- at least five (5) must be chosen from the electives below
- no more than two (2) 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.

Core units of competency	
Unit code	Unit title
RIICBS201D	Conduct tack coat spraying operations
RIICBS203D	Safely handle bituminous materials
RIICCM201D	Carry out measurements and calculations
RIICCM203D	Read and interpret plans and specifications
RIICCM207D	Spread and compact materials manually
RIICOM201D	Communicate in the workplace
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIIWHS201D	Work safely and follow WHS policies and procedures
Electives	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
RIIBEF201D	Plan and organise work
RIICBS202D	Hand spread asphalt

RIICBS204D	Conduct aggregate spreader box operations
RIICBS205D	Roll aggregate in sprayed sealing operations
RIICBS206D	Conduct pavement sweeping operations
RIICBS207D	Take samples of materials used in road surfacing
RIICBS208D	Conduct road maintenance operations
RIICBS302D	Conduct paver screeding operations
RIICCM205D	Carry out manual excavation
RIICCM206D	Support plant operations
RIICRC201D	Repair potholes
RIIRIS202D	Respond to site based spills
RIIWS202D	Enter and work in confined spaces
RIIWS205D	Control traffic with stop-slow bat

RII20715 - Certificate II in Civil Construction (Release 1)

Packaging Rules

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

Total number of units = 16

10 core units plus

6 elective units, of which:

- at least five (5) must be chosen from electives
- no more than one (1) 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.

Core units of competency	
Unit code	Unit title
RIIBEF201D	Plan and organise work
RIICCM201D	Carry out measurements and calculations
RIICCM202D	Identify, locate and protect underground services
RIICCM203D	Read and interpret plans and job specifications
RIICCM205E	Carry out manual excavation
RIICCM207D	Spread and compact materials manually
RIICOM201D	Communicate in the workplace
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIIWHS201D	Work safely and follow WHS policies and procedures
Electives	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools

	<ul style="list-style-type: none"> • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level <ul style="list-style-type: none"> • Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
FPICOT2239A	Trim and cross cut felled trees
FPIFGM3212	Fall trees manually – intermediate
RIICBS202D	Hand spread asphalt
RIICCM206D	Support plant operations
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICFW306D	Direct pile driving operations
RIICFW307D	Direct cast in-situ piling operations
RIICRC201D	Repair potholes
RIICRC208D	Lay pipes
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301D	Operate elevating work platform
RIIRIS202D	Respond to site based spills
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIISAM205D	Cut, weld and bend materials
RIIWS202D	Enter and work in confined spaces
RIIWS205D	Control traffic with stop-slow bat
RIIWMG203D	Drain and dewater civil construction site
TLILIC2005A	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)

RII20615 - Certificate II in Mining / Field Exploration (Release 1)

Packaging Rules

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

Total number of units = 14

10 core units plus

4 elective units, of which:

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

Core units of competency	
Unit code	Unit title
HLTAID003	Provide first aid
RIICOM201D	Communicate in the workplace
RIIEGS201D	Operate in isolated and remote situations
RIIEGS202D	Conduct field work
RIIENV201D	Identify and assess environmental and heritage concerns
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS201D	Conduct local risk control
RIISTD202D	Collect routine site samples
RIIVEH305E	Operate and maintain a four wheel drive vehicle
RIIWHS201D	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
AHCNAR201A	Carry out natural area restoration works

AHCNAR303A	Implement revegetation works
AHCSAW201A	Conduct erosion and sediment control activities
AHCSAW301A	Construct conservation earthworks
CPPSIS3016A	Provide field support services
RIIEGS301D	Operate and maintain instruments and field equipment
RIIEGS304D	Mobilise equipment and materials
RIIEGS305D	Navigate in a remote or trackless areas
<i>Group B</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
BSBITU101	Operate a personal computer
BSBSUS201	Participate in environmentally sustainable work practices
HLTAID006	Provide advanced first aid
RIIRIS202D	Respond to site based spills

RII20215 - Certificate II in Surface Extraction Operations (Release 1)

Packaging Rules

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

Total number of units = 9

4 core units plus

5 elective units, of which:

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

Core units of competency	
Unit code	Unit title
BSBSUS201	Participate in environmentally sustainable work practices
RIICOM201D	Communicate in the workplace
RIIRIS201D	Conduct local risk control
RIIWHS201D	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIGOV201D	Comply with site work processes/procedures
RIIQUA201D	Maintain and monitor site quality standards
<i>Group B</i>	
Unit code	Unit title
RIIBLA203D	Conduct mobile mixing of explosives
RIIERR205D	Apply initial response first aid

RIIERR302D	Respond to local emergencies and incidents
RIIENV202D	Suppress airborne contaminants
RIIMCO202D	Conduct mobile slew conveyor operations
RIIMEX202D	Install open-cut mine ground support
RIIMEX203D	Break oversize rock
RIIMEX204D	Conduct workboat/barge operations
RIIMPO203D	Support bucket wheel system operations
RIIMPO204D	Conduct conveyor shifting dozer operations
RIIMPO205D	Operate roller/compactor
RIIMPO206D	Conduct bulk water truck operations
RIIMPO208E	Operate support equipment
RIIMPO336D	Conduct belly dump truck operations
RIIMPO337D	Conduct articulated truck operations
RIIMPO338D	Conduct rigid haul truck operations
RIIEO201D	Conduct conveyor operations
RIIEO202D	Provide deck support for conveyor-car high wall mining operations
RIIEO203D	Conduct stacker operations
RIIEO206D	Lay and recover cables and hoses
RIIPRO201D	Conduct crushing operations
RIIPRO202D	Conduct screening and conveying operations
RIIPRO203D	Operate programmable logic control systems
RIIPRO205D	Conduct blending plant operations
RIISAM202D	Isolate and access plant
RIISAM214D	Provide support to electrical tradesperson
RIISRM302D	Conduct stockpile reclaiming operations
RIIVEH201D	Operate light vehicle
RIIWMG201D	Conduct dewatering activities in surface operations
<i>Group C</i>	
Unit code	Unit title
AHCNAR201A	Carry out natural area restoration works
AHCNAR303A	Implement revegetation works
AHCSAW201A	Conduct erosion and sediment control activities
AHCSAW301A	Construct conservation earthworks
BSBDIV301	Work effectively with diversity
BSBITU101	Operate a personal computer
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level • Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLRG3002A	Licence to perform rigging intermediate level • Prerequisite unit: CPCCLRG3001A Licence to perform rigging basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
RIICCM208D	Carry out basic levelling
RIIENV201D	Identify and assess environmental and heritage concerns
RIIERR201D	Conduct fire team operations

RIIHAN201D	Operate a forklift
RIIHAN203D	Conduct lifting operations
RIIHAN206D	Transport plant, equipment and personnel
RIIHAN208D	Perform dogging
RIIHAN209D	Perform basic rigging
RIIHAN210D	Perform intermediate rigging operations
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN212D	Conduct non-slewing crane operations
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIISAM207D	Apply operational maintenance skills
RIISAM208D	Perform plant operational maintenance
RIISAM210D	Remove and fit wheel assemblies
RIISAM211D	Remove, repair and refit tyres and tubes
RIISAM212D	Service mine plant and equipment
RIISAM213D	Position and set up mobile lighting
RIISAM302D	Service and handover plant and machines
RIISTD202D	Collect routine site samples
RIIVEH202D	Operate a medium vehicle
RIIVEH305E	Operate and maintain a four wheel drive vehicle
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
TLID2022A	Conduct weighbridge operations
TLILIC2001A	Licence to operate a forklift truck
TLILIC3006A	Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity)

RII20315 - Certificate II in Underground Coal Mining (Release 1)

Packaging Rules

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

Total number of units = 10

5 core units plus

5 elective units, of which:

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

Core units of competency	
Unit code	Unit title
RIICOM201D	Communicate in the workplace
RIIERR203D	Escape from hazardous situation unaided
RIIGOV201D	Comply with site work processes/procedures
RIIRIS201D	Conduct local risk control
RIIWHS201D	Work safely and follow WHS policies and procedures
Electives	
Group A	
Unit code	Unit title
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level <ul style="list-style-type: none">• Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLRG3002A	Licence to perform rigging intermediate level <ul style="list-style-type: none">• Prerequisite unit: CPCCLRG3001A Licence to perform rigging basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level

CPCCLSF3001A	Licence to erect, alter and dismantle scaffolding intermediate level • Prerequisite unit: CPCCLSF2001A Licence to erect, alter and dismantle scaffolding basic level
RIIERR205D	Apply initial response first aid
RIIMCU201D	Operate power tram
RIIMCU202D	Conduct tracked vehicle/plant operations
RIIMCU203D	Conduct wheeled vehicle operations (non-articulated)
RIIMCU204D	Conduct wheeled vehicle operations (articulated)
RIIMCU205D	Conduct rotational drilling
RIIMCU206D	Install, maintain and recover gas drainage systems
RIIMCU207D	Install, maintain and recover electrical services
RIIMCU208D	Conduct basic strata control operations
RIIMCU209D	Conduct roadway maintenance
RIIMCU210D	Conduct stonedusting operations
RIIMCU211D	Install and maintain explosion barriers
RIIMCU212E	Construct and maintain basic ventilation devices
RIIMCU213D	Conduct feeder breaker operations
RIIMCU214D	Conduct face ventilation operations
RIIMCU215D	Operate longwall ancillary equipment
RIIMCU216D	Maintain lamp cabin operations
RIIMCU402D	Apply spontaneous combustion management measures
RIIMPO208E	Operate support equipment
RIIMPO307D	Conduct wheel grader operations in underground mines
RIINHB304D	Conduct air drilling
RIIEO202D	Provide deck support for conveyor-car high wall mining operations
RIIEO208D	Extend, retract and maintain conveyor componentry
RIIUND201D	Install, maintain and recover reticulation systems
RIIUND206D	Install hand held underground ground support
RIIUND207D	Conduct underground lifting operations
RIIUND208D	Conduct skip operations
RIIUND209D	Operate automated winder
RIIUND301D	Operate manual winder
RIIUND302D	Conduct cage operations
RIIUND303D	Operate winder for shaft sinking
RIIWMG202D	Conduct dewatering activities in underground mining operations
TLILIC2001A	Licence to operate a forklift truck
TLILIC2005A	License to operate a boom-type elevating work platform (boom length 11 metres or more)
TLILIC3003A	Licence to operate a bridge and gantry crane
TLILIC3006A	Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity)
TLILIC0012A	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)
Group B	
Unit code	Unit title

BSBDIV301	Work effectively with diversity
BSBITU101	Operate a personal computer
BSBPUR301	Purchase goods and services
BSBSUS201	Participate in environmentally sustainable work practices
ICTICT308	Use advanced features of computer applications
RIIBLA202E	Support underground shotfiring operations
RIIERR201D	Conduct fire team operations
RIIERR204D	Provide aided rescue to endangered personnel
RIIERR302D	Respond to local emergencies and incidents
RIIHAN201D	Operate a forklift
RIIHAN208D	Perform dogging
RIIHAN209D	Perform basic rigging
RIIHAN210D	Perform intermediate rigging operations
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN212D	Conduct non-slewing crane operations
RIIHAN301D	Operate elevating work platform
RIIHAN302D	Conduct intermediate scaffolding operations
RIIHAN305D	Operate a gantry or overhead crane
RIIHAN307D	Operate a vehicle loading crane
RIIQUA201D	Maintain and monitor site quality standards
RIISAM205D	Cut, weld and bend materials
RIISAM207D	Apply operational maintenance skills
RIISAM210D	Remove and fit wheel assemblies
RIISAM211D	Remove, repair and refit tyres and tubes
RIISAM212D	Service mine plant and equipment
RIISAM214D	Provide support to electrical tradesperson
RIISAM301E	Test operational functions of vehicles and equipment
RIISAM311D	Maintain winder equipment
RIISAM312D	Inspect and maintain shafts and structures
RIISAM313D	Monitor, inspect and service ropes and attachments
RIIRIS202D	Respond to site based spills
RIIVEH201D	Operate light vehicle
RIIVEH202E	Operate a medium vehicle
RIIVEH301D	Conduct rail haulage operations
RIIWHS203D	Maintain amenities

RII20415 - Certificate II in Underground Metalliferous Mining (Release 1)

Packaging Rules

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

Total number of units = 10

5 core units plus

5 elective units, of which:

- at least three (3) must be chosen from Group A
- no more than two (2) may be chosen from Group B
- no more than one (1) unit 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.

Core units of competency	
Unit code	Unit title
BSBSUS201	Participate in environmentally sustainable work practices
RIICOM201D	Communicate in the workplace
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS201D	Conduct local risk control
RIIWHS201D	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
BSBWOR203	Work effectively with others
RIIBEF202D	Identify and rectify site operating problems
RIIBLA201D	Support shotfiring operations
RIIBLA205D	Store, handle and transport explosives
RIIMPO201D	Operate roller/compactor underground
RIIMPO202D	Undertake towing underground

RIIMPO333D	Conduct underground load, haul and dump operations
RIIMPO210D	Conduct underground truck operations
RIIPEO201D	Conduct conveyor operations
RIIVEH203D	Operate light vehicle underground
RIISAM205D	Cut, weld and bend materials
RIISRM302D	Conduct stockpile reclaiming operations
RIIUMM201D	Install ground support
RIIUMM202D	Install and maintain vent
RIIUMM203D	Prepare and perform manual scaling operations
RIIUMM301D	Conduct wet filling activities
RIIUMM305D	Install and remove a secondary fan
RIIUND201D	Install, maintain and recover reticulation systems
RIIUND202D	Operate from elevated work platform underground
RIIUND310D	Apply shot-crete underground
RIIUND204D	Refuel vehicles/machines underground
RIIUND208D	Conduct skip operations
RIIUND209D	Operate automated winder
RIIUND302D	Conduct cage operations
RIIVEH203D	Operate light vehicle underground
RIIWMG202D	Conduct dewatering operations in underground mining operations
<i>Group B</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level • Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLRG3002A	Licence to perform rigging intermediate level • Prerequisite unit: CPCCLRG3001A Licence to perform rigging basic level
HLTAID003	Provide first aid
RIIBEF201D	Plan and organise work
RIIBLA202E	Support underground shotfiring operations
RIIBLA203D	Conduct mobile mixing of explosives
RIIERR203D	Escape from a hazardous situation unaided
RIIERR205D	Apply initial response first aid
RIIENV202D	Suppress airborne contaminants
RIIHAN201D	Operate a forklift
RIIHAN203D	Conduct lifting operations
RIIHAN206D	Transport plant, equipment and personnel
RIIHAN207D	Operate personnel and materials hoists
RIIHAN208D	Perform dogging
RIIHAN209D	Perform basic rigging
RIIHAN210D	Perform intermediate rigging operations
RIIHAN212D	Conduct non-slewing crane operations
RIIHAN305D	Operate a gantry or overhead crane

RIIMPO334D	Conduct skid steer loader operations using attachments
RIIMPO335D	Conduct skid steer loader operations without attachments
RIIRIS202D	Respond to site based spills
RIISAM202D	Isolate and access plant
RIISAM207D	Apply operational maintenance skills
RIISAM212D	Service mine plant and equipment
RIISAM301E	Test operational functions of vehicles and equipment
RIIVEH306D	Operate mine service vehicle
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
TLILIC2001A	Licence to operate a forklift truck
TLILIC3003A	Licence to operate a bridge and gantry train
TLILIC3006A	Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity)

RII20720 - Certificate II in Civil Construction (Release 2)

Packaging Rules

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

Total number of units = 16

10 core units plus

6 elective units, of which:

- at least five (5) must be chosen from elective units listed below
- no more than one (1) 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 is a prerequisite to an imported unit listed in this qualification. Where a unit is imported as an elective care must be taken to ensure that the prerequisite specified is complied with.

<i>Core units of competency</i>	
Unit code	Unit title
RIIBEF201E	Plan and organise work
RIICCM201E	Carry out measurements and calculations
RIICCM202E	Identify, locate and protect underground services
RIICCM203E	Read and interpret plans and job specifications
RIICCM205F	Carry out manual excavation
RIICCM207E	Spread and compact materials manually
RIICOM201E	Communicate in the workplace
RIISAM203E	Use hand and power tools
RIISAM204E	Operate small plant and equipment
RIIWHS201E	Work safely and follow WHS policies and procedures
<i>Elective units</i>	
BSBTWK301	Use inclusive work practices
CPCCCM2007*	Use explosive power tools
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level

CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
FWPCOT2236	Fall trees manually (basic)
FWPCOT2239	Trim and cut felled trees
RIICBS202E	Hand spread asphalt
RIICBS203E	Safely handle bituminous materials
RIICBS207E	Take samples of road surfacing materials
RIICCM206E	Support plant operations
RIICCM208E	Carry out basic levelling
RIICCM209E	Carry out concrete work
RIICCM210E	Install trench support
RIICCM211E	Construct and dismantle fences and gates
RIICRC201E	Repair potholes
RIICRC208E	Lay pipes
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIMCO201D	Conduct spreader operations
RIIRIS202E	Respond to site based spills
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIISAM205E	Cut, weld and bend materials
RIIWHS202E	Enter and work in confined spaces
RIIWHS205E	Control traffic with stop-slow bat
RIIWHS206	Control traffic with portable traffic control devices and temporary traffic signs
RIIWHS207*	Control traffic on high volume roads
RIIWMG203E	Drain and dewater civil construction sites

*Note the following prerequisite unit requirements.

UNIT IN THIS QUALIFICATION	PREREQUISITE UNITS
CPCCCM2007 Use explosive power tools	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
RIIWHS207 Control traffic on high volume roads	RIIWHS205 Control traffic with stop-slow bat

RII20520 - Certificate II in Resource Processing (Release 1)

Packaging Rules

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

Total number of units = 10

4 core units plus

6 elective units, of which:

- 1 must be from Group A
- at least 4 must be from Group B
- no more than 1 may be from Group C
- no more than 1 may be from elsewhere in this or any other currently endorsed training package, or from an accredited course.

Elective units must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid industry-supported vocational outcome.

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. 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.

Core units of competency	
Unit code	Unit title
BSBSUS211	Participate in sustainable work practices
RIICOM201E	Communicate in the workplace
RIIRIS201E	Conduct local risk control
RIIWHS201E	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
RIIGOV201E	Comply with site work processes/procedures
RIIQUA201E	Maintain and monitor site quality standards
<i>Group B</i>	
Unit code	Unit title
MSL973013	Perform basic tests
MSMSUP101	Clean workplace or equipment

PMAOPS202	Operate fluid mixing equipment
PMAOPS205	Operate heat exchangers
PMAOPS208	Operate chemical separation equipment
PMAOPS223	Operate and monitor valve systems
PMAOPS230	Monitor, operate and maintain pipeline stations and equipment
PMAOPS246	Operate separation equipment
PMAOPS247	Operate powered separation equipment
PMAOPS343	Transfer bulk fluids into/out of storage facility
RIIERR302E	Respond to local emergencies and incidents
RIIMCP202D	Conduct rail dispatch operations
RIIMEX203D	Break oversize rock
RIIMPO206D	Conduct bulk water truck operations
RIIMPO208F	Operate support equipment
RIIMPO306D	Operate plant/machinery on live stockpiles
RIIMPO308F	Conduct tracked dozer operations
RIIMPO331E	Conduct operations with stockpile dozer
RIIPBE201D	Conduct aeration process
RIIPBE202D	Conduct digestion process
RIIPBE203D	Conduct precipitation operations
RIIPBE204D	Conduct reduction process
RIIPEO201E	Conduct conveyor operations
RIIPEO203D	Conduct stacker operations
RIIPEO204D	Conduct shore side mooring operations
RIIPEO205D	Conduct ship loading operations
RIIPGP201D	Conduct pump operations
RIIPGP202D	Handle reagents
RIIPGP203D	Operate compressors
RIIPHA201D	Operate raw material feed systems
RIIPRO201D	Conduct crushing operations
RIIPRO202D	Conduct screening and conveying operations
RIIPRO204D	Bulk package and store product
RIIPRO205D	Conduct blending plant operations
RIIPRO301D	Conduct crushing and screening plant operations
RIISAM212E	Service mine plant and equipment
RIISRM302E	Conduct stockpile reclaiming operations
RIISTD202D	Collect routine site samples
RIIVFH305F	Operate and maintain a four wheel drive vehicle
RIIWBP201E	Treat and dispose of rejects and tailings
RIIWBP202E	Distribute tailings
RIIWBP203E	Monitor tailings dam environments
<i>Group C</i>	
Unit code	Unit title
BSBTEC101	Operate digital devices
BSBTWK301	Use inclusive work practices
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level

RIIBEF201E	Plan and organise work
RIIERR201E	Conduct fire team operations
RIIERR205D	Apply initial response First Aid
RIIHAN201E	Operate a forklift
RIIHAN203D	Conduct lifting operations
RIIHAN204D	Load and unload cargo/goods
RIIHAN205D	Secure cargo
RIIHAN206E	Transport plant, equipment and personnel
RIIHAN208D	Perform dogging
RIIHAN209E	Perform basic rigging
RIIHAN210D	Perform intermediate rigging operations
RIIHAN212E	Conduct non-slewing crane operations
RIIHAN301E	Operate elevating work platform
RIIMCP301D	Monitor plant operations for coal preparation
RIIRIS202D	Respond to site based spills
RIISAM202E	Isolate and access plant
RIISAM205E	Cut, weld and bend materials
RIISAM207E	Apply operational maintenance skills
RIISAM208E	Perform plant operational maintenance
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
TLILIC0003	Licence to operate a forklift truck

RII20120 - Certificate II in Resources and Infrastructure Work Preparation (Release 2)

Packaging Rules

Total number of units = 9

4 core units plus

5 elective units of which:

- at least three (3) must be chosen from Group A
- no more than two (2) may be chosen from Group B
- no more than one (1) unit may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Elective units must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment and contribute to a valid vocational outcome.

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. To be appointed under any statutory requirements in related roles, units of competency should be selected to meet the state/territory licensing requirements.

There is one prerequisite in the 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.

<i>Core units of competency</i>	
Unit code	Unit title
RIICOM201E	Communicate in the workplace
RIIENV201E	Identify and assess environmental and heritage concerns
RIIRIS201E	Conduct local risk control
RIIWHS201E	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
RIICCM201E	Carry out measurements and calculations
RIIERR201E	Conduct fire team operations
RIIHAN201E	Operate a forklift
RIIHAN208E	Perform dogging
RIIHAN209E	Perform basic rigging
RIIHAN211D	Conduct basic scaffolding operations
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials

RIISAM202E	Isolate and access plant
RIISAM203E	Use hand and power tools
RIISAM205E	Cut, weld and bend materials
RIISAM207E	Apply operational maintenance skills
RIISTD201D	Read and interpret maps
RIIVEH201E	Operate a light vehicle
TLILIC0003	Licence to operate a forklift truck
<i>Group B</i>	
Unit code	Unit title
BSBITU111	Operate a personal digital device
BSBSUS201	Participate in environmentally sustainable work practices
BSBDIV301	Work effectively with diversity
HLTAID003	Provide first aid
RIIBEF201E	Plan and organise work
RIICCM203D	Read and interpret plans and job specifications
RIIGOV201E	Comply with site work processes/procedures
RIIQUA201E	Maintain and monitor site quality standards
RIIRIS202E	Respond to site based spills
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bat

RII21120 - Certificate II in Oil & Gas Drilling (Onshore) and Well Servicing (Release 3)

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

6 core units plus

6 elective units, of which:

- at least four (4) must be chosen from electives
- no more than two (2) 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.

Core units of competency	
Unit code	Unit title
RIICOM201E	Communicate in the workplace
RIIENV201E	Identify and assess environmental and heritage concerns
RIIERR202E	Contribute to the control of emergencies and critical situations
RIIOGN201F	Carry out rig lease operations
RIIRIS201E	Conduct local risk control
RIIWHS201E	Work safely and follow WHS policies and procedures
<i>Electives</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A*	Licence to perform rigging basic level
HLTAID003	Provide first aid
MSMPER200	Work in accordance with an issued permit
MSMWHS217	Gas test atmospheres

RIIHAN208D	Perform dogging
RIIHAN209E	Perform basic rigging
RIIHAN307E	Operate a vehicle loading crane
RIIHAN309F	Conduct telescopic materials handler operations
RIIHAN311F	Conduct operations with integrated tool carrier
RIIMPO304E	Conduct wheel loader operations
RIINHB201E	Load, secure and unload drilling equipment and materials
RIIOGD202E	Carry out equipment and basic rig maintenance
RIIOGD204F	Perform rig floor operations
RIIOGD205E	Support blow out prevention operations
RIIOGD206E	Assist and monitor well control operations
RIINHB223*	Prepare, run and cement casing
RIIRIS202D	Respond to site based spills
RIISAM202E	Isolate and access plant
RIISAM209E	Carry out operational maintenance
RIIVEH201E	Operate a light vehicle
RIIVEH305F	Operate and maintain a four wheel drive vehicle
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
RIIWSV203E	Prepare equipment for well servicing air operations

*Note the following prerequisite unit requirements:

Unit in this qualification	Prerequisite unit
CPCCLRG3001A Licence to perform rigging basic level	CPCCLDG3001A Licence to perform dogging
RIINHB223 Prepare, run and cement casing	RIIOGD204F Perform rig floor operations

RII20220 - Certificate II in Surface Extraction Operations (Release 1)

Packaging Rules

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

Total number of units = 9

4 core units plus

5 elective units, of which:

- at least 1 must be from Group A
- at least 2 must be from Group B
- no more than 2 may be from Group C
- no more than 2 may be from elsewhere in this or any other currently endorsed training package, or from an accredited course.

Elective units must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid industry-supported vocational outcome.

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. 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.

Core units of competency	
Unit code	Unit title
BSBSUS211	Participate in sustainable work practices
RIICOM201E	Communicate in the workplace
RIIRIS201E	Conduct local risk control
RIIWHS201E	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIGOV201E	Comply with site work processes/procedures
RIIQUA201E	Maintain and monitor site quality standards
<i>Group B</i>	
Unit code	Unit title
RIIBLA203E	Conduct mobile mixing of explosives

RIIERR205D	Apply initial response first aid
RIIERR302E	Respond to local emergencies and incidents
RIIMEX201E	Suppress dust in open-cut environments
RIIMEX203D	Break oversize rock
RIIMEX204D	Conduct workboat/barge operations
RIIMPO205E	Operate roller/compactor
RIIMPO206D	Conduct bulk water truck operations
RIIMPO208F	Operate support equipment
RIIMPO338E	Conduct rigid haul truck operations
RIIPEO201E	Conduct conveyor operations
RIIPEO202E	Provide deck support for conveyor-car high wall mining operations
RIIPEO203D	Conduct stacker operations
RIIPEO206D	Lay and recover cables and hoses
RIIPRO201D	Conduct crushing operations
RIIPRO202D	Conduct screening and conveying operations
RIIPRO203D	Operate programmable logic control systems
RIIPRO205D	Conduct blending plant operations
RIISAM202E	Isolate and access plant
RIISAM212E	Service mine plant and equipment
RIIVEH201E	Operate a light vehicle
RIIVEH305F	Operate and maintain a four wheel drive vehicle
RIIWMG201D	Conduct dewatering activities in surface operations
<i>Group C</i>	
Unit code	Unit title
AHCNAR201	Carry out natural area restoration works
AHCNAR303	Implement revegetation works
AHCSAW201	Conduct erosion and sediment control activities
AHCSAW301	Construct conservation earthworks
BSBTEC101	Operate digital devices
BSBTWK301	Use inclusive work practices
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
RIICCM208D	Carry out basic levelling
RIIENV201E	Identify and assess environmental and heritage concerns
RIIHAN201E	Operate a forklift
RIIHAN203E	Conduct lifting operations
RIIHAN206E	Transport plant, equipment and personnel
RIIHAN208E	Perform dogging
RIIHAN209E	Perform basic rigging
RIIHAN210D	Perform intermediate rigging operations
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN212E	Conduct non-slewing crane operations
RIIRIS202E	Respond to site based spills
RIISAM205E	Cut, weld and bend materials
RIISAM207E	Apply operational maintenance skills
RIISAM208E	Perform plant operational maintenance

RIISAM213E	Position and set up mobile lighting
RIISTD202D	Collect routine site samples
RIIVEH202F	Operate a medium vehicle
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
TLID2022	Conduct weighbridge operations

RII20420 - Certificate II in Underground Metalliferous Mining (Release 1)

Packaging Rules

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

Total number of units = 10

5 core units plus

5 elective units, of which:

- at least 3 must be from Group A
- no more than 2 may be from Group B
- no more than 1 may be from elsewhere in this or any other currently endorsed training package, or from an accredited course.

Elective units must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid industry-supported vocational outcome.

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. 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.

Core units of competency	
Unit code	Unit title
BSBSUS211	Participate in sustainable work practices
RIICOM201E	Communicate in the workplace
RIIQUA201E	Maintain and monitor site quality standards
RIIRIS201E	Conduct local risk control
RIIWHS201E	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIBLA201E	Support shotfiring operations
RIIBLA205E	Store, handle and transport explosives
RIIMPO201E	Operate roller/compactor underground
RIIMPO210E	Conduct underground truck operations
RIIMPO333E	Conduct underground load, haul and dump truck operations

RIIPEO201E	Conduct conveyor operations
RIISAM205E	Cut, weld and bend materials
RIISAM212E	Service mine plant and equipment
RIISRM302E	Conduct stockpile reclaiming operations
RIIUMM201D	Install ground support
RIIUMM202D	Install and maintain vent
RIIUMM203D	Prepare and perform manual scaling operations
RIIUND201D	Install, maintain and recover reticulation systems
RIIUND202E	Operate from elevated work platform underground
RIIUND204D	Refuel vehicles/machines underground
RIIUND208E	Conduct skip operations
RIIUND209E	Operate automated winder
RIIUND302E	Conduct cage operations
RIIUND310E	Apply shotcrete underground
RIIVEH203E	Operate light vehicle underground
RIIWHS204E	Work safely at heights
RIIWMG202D	Conduct dewatering operations in underground mining operations
<i>Group B</i>	
Unit code	Unit title
BSBTWK301	Use inclusive work practices
BSBPEF201	Support personal wellbeing in the workplace
HLTAID011	Provide first aid
RIIBEF201E	Plan and organise work
RIIBEF202E	Identify and rectify site operating problems
RIIBLA202F	Support underground shotfiring operations
RIIBLA203E	Conduct mobile mixing of explosives
RIIERR203E	Escape from hazardous situations unaided
RIIERR205D	Apply initial response first aid
RIIHAN201E	Operate a forklift
RIIHAN203D	Conduct lifting operations
RIIHAN206E	Transport plant, equipment and personnel
RIIHAN208D	Perform dogging
RIIHAN209E	Perform basic rigging
RIIHAN210D	Perform intermediate rigging operations
RIIHAN212E	Conduct non-slewing crane operations
RIIHAN305D	Operate a gantry or overhead crane
RIIMPO334E	Conduct skid steer loader operations using attachments
RIIMPO335E	Conduct skid steer loader operations without attachments
RIIRIS202E	Respond to site based spills
RIISAM202E	Isolate and access plant
RIISAM207E	Apply operational maintenance skills
RIISAM301F	Test operational functions of vehicles and equipment
RIIVEH306E	Operate a mine service vehicle
RIIWHS202E	Enter and work in confined spaces
TLILIC0003	Licence to operate a forklift truck

RII30915 - Certificate III in Civil Construction (Release 1)

Packaging Rules

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

There are no prerequisites to imported units listed in this qualification.

The qualification has core and elective units of competency that cover the skills for the following eight (8) specialist and one (1) general Civil construction streams:

Stream 1 – Bituminous Surfacing

Stream 2 – Bridge Construction and Maintenance

Stream 3 – Pipe Laying

Stream 4 – Road Construction and Maintenance

Stream 5 – Road Marking

Stream 6 – Tunnel Construction

Stream 7 – Timber Bridge Construction and Maintenance

Stream 8 – Traffic Management

Stream 9 – Civil Construction General

The core and elective unit requirements of one (1) stream must be met for this qualification to be awarded.

All elective units selected for 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.

Requirements for completion of **Stream 1 – Bituminous Surfacing** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- seven (7) must be chosen from Group A
- at least three (3) must be chosen from Group B
- at least three (3) must be chosen from Group C
- no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of **Stream 2 – Bridge Construction and Maintenance** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- eight (8) must be chosen from Group D
- at least two (2) must be chosen from Group E
- at least three (3) must be chosen from Group F
- no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of **Stream 3 – Pipe Laying** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- ten (10) must be chosen from Group G
- at least one (1) must be chosen from Group H
- at least three (3) must be chosen from Group I
- no more than four (4) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of **Stream 4 – Road Construction and Maintenance** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- nine (9) must be chosen from Group J
- at least two (2) must be chosen from Group K
- at least two (2) must be chosen from Group L
- no more than five (5) may come from elsewhere within this training package, or from another endorsed training package, or from an accredited course
- at least five (5) of the eighteen (18) elective units chosen must be road construction and maintenance (RIICRC) units.

Requirements for completion of **Stream 5 – Road Marking** include:

Total number of units = 22

7 core units plus

15 elective units, of which:

- four (4) must be chosen from Group M
- at least one (1) must be chosen from Group N
- at least six (6) must be chosen from Group O
- no more than four (4) may come from elsewhere within this training package, or from another endorsed training package, or from an accredited course
- at least seven (7) of the fifteen (15) elective units chosen must be road marking (RIICRM) units.

Requirements for completion of **Stream 6 – Tunnel Construction** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- eight (8) must be chosen from Group P
- at least three (3) must be chosen from Group Q
- at least two (2) must be chosen from Group R
- no more than five (5) may come from elsewhere within this training package, or from another endorsed training package, or from an accredited course.
- at least two (2) of the eighteen (18) elective units chosen must be tunnel construction (RIICTC) units.

Requirements for completion of **Stream 7 – Timber Bridge Construction and Maintenance** include:

Total number of units = 28

7 core units plus

21 elective units, of which:

- twelve (12) must be chosen from Group S
- at least two (2) must be chosen from Group T
- at least two (2) must be chosen from Group U
- no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of **Stream 8 – Traffic Management** include:

Total number of units = 23

7 core units plus

16 elective units, of which:

- eight (8) must be chosen from Group V
- at least two (2) must be chosen from Group W,
- with at least three (3) must be chosen from Group X,
- no more than three (3) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of **Stream 9 – Civil Construction General** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- at least ten (10) must be chosen from Group Y
- at least three (3) must be chosen from Group Z
- no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

<i>Core units of competency</i>	
Unit code	Unit title
RIIBEF201D	Plan and organise work
RIICCM201D	Carry out measurements and calculations
RIICCM203D	Read and interpret plans and specifications
RIICOM201D	Communicate in the workplace
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIIWHS201D	Work safely and follow WHS policies and procedures

<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIICBS202D	Hand spread asphalt
RIICBS203D	Safely handle bituminous materials
RIICBS207D	Take samples of materials used in road surfacing
RIICCM207D	Spread and compact materials manually
RIIMG301D	Maintain site records
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWH302D	Implement traffic management plan
<i>Group B</i>	
Unit code	Unit title
RIICBS301D	Conduct profile planer operations
RIICBS302D	Conduct paver screeding operations
RIICBS303D	Conduct materials transfer vehicle operations
RIICBS304D	Compact asphalt with rollers
RIICBS305D	Conduct asphalt paver operations
RIICBS306D	Conduct slurry sealing operations
RIICBS307D	Conduct bitumen sprayer operations
RIICBS308D	Load aggregate using a purpose built loader
RIICBS309D	Conduct self-propelled aggregate spreader operations
RIICBS310D	Conduct patching operations
RIICBS311D	Produce asphalt products
RIICBS312D	Conduct bitumen tanker operations
RIICBS402D	Apply the principles for the application of bituminous sprayed treatment
<i>Group C</i>	
Unit code	Unit title
BSBCUS301	Deliver and monitor a service to customers
BSBDIV301	Work effectively with diversity
BSBFLM305	Support operational plan
BSBFLM312	Contribute to team effectiveness
RIICBS201D	Conduct tack coat spraying operations
RIICBS204D	Conduct aggregate spreader box operations
RIICBS205D	Roll aggregate in sprayed sealing operations
RIICBS206D	Conduct pavement sweeping operations
RIICBS208D	Conduct road maintenance operations
RIICCM205E	Carry out manual excavation
RIIRIS202D	Respond to site based spills
RIIVEH304D	Conduct tip truck operations
<i>Group D</i>	
Unit code	Unit title
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations

RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS302D	Implement traffic management plan
RIIWMG203D	Drain and dewater civil construction site
<i>Group E</i>	
Unit code	Unit title
RIICBM301D	Maintain concrete bridges
RIICBM302D	Install pre-cast girders
RIICBM303D	Install pre-cast parapets
RIICBM304D	Operate a bridge inspection unit
RIICBM305D	Install pre-cast concrete bridge decks
RIICBM306D	Undertake concreting work on concrete bridges
RIICBM307D	Construct formwork and false work on concrete bridges
<i>Group F</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging – basic level • Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
CPCCSF2004A	Place and fix reinforcement materials • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
RIICBM201D	Strip pile heads
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICCM301D	Construct and dismantle fences and gates
RIICRC201D	Repair potholes
RIICRC208D	Lay pipes
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301D	Operate elevating work platform
RIIHAN302D	Conduct intermediate scaffolding operations
RIIIMG301D	Maintain site records
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials

RIIWS202D	Enter and work in confined spaces
RIIWS204D	Work safely at heights
RIIWS205D	Control traffic with stop-slow bat
RIIWMG301D	Control construction site water table
TLILIC2001A	Licence to operate a forklift truck
<i>Group G</i>	
Unit code	Unit title
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM210D	Install trench support
RIICRC208D	Lay pipes
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWS302D	Implement traffic management plan
RIIWMG203D	Drain and dewater civil construction site
<i>Group H</i>	
Unit code	Unit title
RIICPL301D	Install water mains pipelines
RIICPL302D	Install storm water systems
RIICPL303D	Install sewer pipelines
<i>Group I</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging – basic level • Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
RIICCM209D	Carry out concrete work
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICCM301D	Construct and dismantle fences and gates
RIICPL304D	Install pre-cast gully pits
RIICPL305D	Install pre-case access chambers
RIICRC201D	Repair potholes
RIICRC203D	Install sub-soil drainage
RIICRC209D	Lay reinforced concrete box culverts
RIICRC301D	Maintain drainage systems
RIIHAN208D	Perform dogging

RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301D	Operate elevating work platform
RIIMG301D	Maintain site records
RIIMPO327D	Conduct pipe layer operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205D	Control traffic with stop-slow bat
RIIWMG301D	Control construction site water table
UEGNSG202B	Construct and lay distribution pipelines
TLILIC2001A	Licence to operate a forklift truck
<i>Group J</i>	
Unit code	Unit title
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICRC201D	Repair potholes
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS302D	Implement traffic management plan
RIIWMG203D	Drain and dewater civil construction site
<i>Group K</i>	
Unit code	Unit title
RIICRC301D	Maintain drainage systems
RIICRC302D	Place and form concrete kerb, channel and fixtures
RIICRC303D	Lay pavers
RIICRC304D	Maintain sealed roads
RIICRC305D	Conduct road construction paver screeding operations
RIICRC306D	Conduct earthworks
RIICRC307D	Conduct road pavement construction
RIICRC309D	Conduct stabiliser operations
RIICRC311D	Conduct concrete road paver operations
RIICRC312D	Setup and maintain concrete paver stringlines
RIICRC313D	Conduct concrete road curing and texturing operations
RIICRC314D	Handle concrete materials
RIICRC315D	Use concreting materials and equipment
RIICRC316D	Place and compact concrete
RIICRC317D	Finish concrete pavements
RIICRC318D	Cure concrete
RIICRC319D	Saw and cut concrete pavements to initiate planned cracks
RIICRC320D	Seal concrete pavements

RIICRC321D	Use automated paving guidance systems
RIICRC322D	Receive, check and record concrete deliveries
RIICRC323D	Insert tie bars in fresh concrete
<i>Group L</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools <ul style="list-style-type: none"> • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging – basic level <ul style="list-style-type: none"> • Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
CPCCSF2004A	Place and fix reinforcement materials <ul style="list-style-type: none"> • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
FPICOT2239	Trim and cut felled trees
FPIFGM3212	Fall trees manually (intermediate)
RIICBS202D	Hand spread asphalt
RIICBS203D	Safely handle bituminous materials
RIICBS301D	Conduct profile planer operations
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICCM301D	Construct and dismantle fences and gates
RIICPL302D	Install storm water systems
RIICPL304D	Install pre-cast gully pits
RIICPL305D	Install pre-cast access chambers
RIICRC202D	Install signs
RIICRC203D	Install sub-soil drainage
RIICRC204D	Install and maintain roadside fixtures
RIICRC205D	Install utility poles
RIICRC206D	Install pre-cast concrete crash barriers
RIICRC207D	Install noise barriers
RIICRC208D	Lay pipes
RIICRC209D	Lay reinforced concrete box culverts
RIIHAN201D	Operate a forklift
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301D	Operate elevating work platform
RIIHAN307D	Operate a vehicle loading crane
RIIMG301D	Maintain site records
RIIRIS201D	Conduct local risk control

RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWH202D	Enter and work in confined spaces
RIIWH204D	Work safely at heights
RIIWH205D	Control traffic with stop-slow bat
RIIWMG301D	Control construction site water table
TLID3011A	Conduct specialised forklift operations
TLILIC2001A	Licence to operate a forklift truck
<i>Group M</i>	
Unit code	Unit title
RIICRM202D	Handle and store road marking materials
RIICRM204D	Prepare surface for road marking
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWH302D	Implement traffic management plan
<i>Group N</i>	
Unit code	Unit title
RIICRM301D	Conduct ride on road marking operations
RIICRM302D	Conduct long line road marking operations
RIICRM303D	Conduct thermo plastic road marking operations
<i>Group O</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging – basic level • Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICRC202D	Install signs
RIICRM201D	Escort mobile road marking operations
RIICRM203D	Conduct pedestrian road marking operations
RIICRM205D	Conduct road marking measuring operations
RIICRM206D	Conduct airless and atomised spraying operations
RIICRM207D	Install raised pavement markers
RIIHAN201D	Operate a forklift
RIIHAN208D	Perform dogging
RIIHAN301D	Operate elevating work platform
RIIHAN307D	Operate a vehicle loading crane
RIIIMG301D	Maintain site records
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills

RIISAM205D	Cut, weld and bend materials
RIIWS204D	Work safely at heights
RIIWS205D	Control traffic with stop-slow bat
TLILIC2001A	Licence to operate a forklift truck
<i>Group P</i>	
Unit code	Unit title
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICRC203D	Install sub-soil drainage
RIISAM201D	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIIWMG203D	Drain and dewater civil construction site
<i>Group Q</i>	
Unit code	Unit title
RIIBLA303D	Conduct underground development shotfiring
RIICCM301D	Construct and dismantle fences and gates
RIICFW302D	Install temporary and permanent rock anchors
RIICFW303D	Install primary ground support
RIICRC301D	Maintain drainage systems
RIICTC301D	Install tunnelling constructions services
RIICTC302D	Line tunnel
RIICTC303D	Excavate tunnel by machine
RIICTC304D	Muck out tunnel earthworks
RIICTC305D	Construct portals
RIIHAN301D	Operate elevating work platform
RIIUND310D	Apply shot-crete
RIIWS302D	Implement traffic management plan
<i>Group R</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools • Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging – basic level • Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
RIIBLA202E	Support underground shotfiring operations
RIIBLA205D	Store, handle and transport explosives
RIICCM209D	Carry out concrete work

RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICRC201D	Repair potholes
RIICRC208D	Lay pipes
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWS202D	Enter and work in confined spaces
RIIWS204D	Work safely at heights
RIIWS205D	Control traffic with stop-slow bat
TLILIC2001A	Licence to operate a forklift truck
<i>Group S</i>	
Unit code	Unit title
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM210D	Install trench support
RIICTB201D	Maintain timber bridges
RIICTB301D	Undertake visual inspection
RIICTB302D	Install temporary support members
RIICTB304D	Install or replace sub-structure members
RIICTB305D	Install or replace super-structure members
RIICTB306D	Splice and connect timber members
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWS202D	Enter and work in confined spaces
<i>Group T</i>	
Unit code	Unit title
RIICBM304D	Operate a bridge inspection unit
RIICBM307D	Construct formwork and false work on concrete bridges
RIICCM301D	Construct and dismantle fences and gates
RIICFW304D	Conduct pile driving operations
RIICFW306D	Direct pile driving operations
RIICTB303D	Erect a temporary modular support system (bailey) on an existing bridge
RIICTB307D	Assemble a temporary modular bridge
RIICTB308D	Install or replace truss members
RIICTB309D	Construct, maintain and remove coffer dams
RIICTB310D	Construct specialised timber deck systems
RIIHAN302D	Conduct intermediate scaffolding operations
RIIWS302D	Implement traffic management plan
<i>Group U</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity

CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging – basic level • Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
FPICOT2239	Trim and cut felled trees
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICTB202D	Apply bridge durability treatment
RIICTB203D	Produce drawings and sketches
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWS204D	Work safely at heights
RIIWS205D	Control traffic with stop-slow bat
RIIWMG203D	Drain and dewater civil construction site
TLILIC2001A	Licence to operate a forklift truck
<i>Group V</i>	
Unit code	Unit title
FDFOP1003A	Carry out manual handling tasks
RIIRIS201D	Conduct local risk control
RIIRTM203D	Work as a safety observer/spotter
RIISTD201D	Read and interpret maps
RIIVEH201D	Operate light vehicle
RIIWS205D	Control traffic with a stop/slow bat
RIIWS302D	Implement traffic management plan
TLIE3004A	Prepare workplace documents
<i>Group W</i>	
Unit code	Unit title
RIICRM201E	Escort mobile works
RIICWD503D	Prepare work zone traffic management plan
RIIRTM301D	Operate a truck or trailer mounted attenuator
RIIRTM201D	Position and set up a variable message sign
RIIRTM202D	Position and set up portable traffic signals
<i>Group X</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
BSBSUS201	Participate in environmentally sustainable work practices
HLTAID003	Provide first aid
RIIBEF202D	Identify and rectify site operating problems
RIIBEF301D	Run on-site operations
RIICCM206D	Support plant operations

RIICRC202D	Install signs
RIICRC206D	Install pre-cast concrete crash barriers
RIIGOV201D	Comply with site work processes/procedures
RIIHAN201D	Operate a forklift
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS301D	Apply risk management processes
TAEDEL301A	Provide work skill instruction
TLIE2007	Use communication systems
TLIL1001	Complete workplace orientation/induction procedures
<i>Group Y</i>	
Unit code	Unit title
BSBCUS301	Deliver and monitor a service to customers
BSBFLM312	Contribute to team effectiveness
BSBFLM305	Support operational plan
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging – basic level • Prerequisite unit: CPCCLDG3001A Licence to perform dogging
FPIFGM3212	Fall trees manually (intermediate)
RIIBLA301D	Conduct surface shotfiring operations
RIIBLA303D	Conduct underground development shotfiring
RIICBM301D	Maintain concrete bridges
RIICBM302D	Install pre-cast girders
RIICBM303D	Install pre-cast parapets
RIICBM304D	Operate a bridge inspection unit
RIICBM305D	Install pre-cast concrete bridge decks
RIICBM306D	Undertake concreting work on concrete bridges
RIICBM307D	Construct formwork and false work on concrete bridges
RIICBS301D	Conduct profile planer operations
RIICBS302D	Conduct paver screeding operations
RIICBS303D	Conduct materials transfer vehicle operations
RIICBS304D	Compact asphalt with rollers
RIICBS305D	Conduct asphalt paver operations
RIICBS306D	Conduct slurry sealing operations
RIICBS307D	Conduct bitumen sprayer operations
RIICBS308D	Load aggregate using a purpose built loader
RIICBS309D	Conduct self-propelled aggregate spreader operations
RIICBS310D	Conduct patching operations
RIICBS311D	Produce asphalt products
RIICBS312D	Conduct bitumen tanker operations
RIICCM301D	Construct and dismantle fences and gates
RIICFW301D	Construct underpinning
RIICBS303D	Conduct materials transfer vehicle operations
RIICBS304D	Compact asphalt with rollers
RIICBS305D	Conduct asphalt paver operations
RIICBS306D	Conduct slurry sealing operations

RIICFW302D	Install temporary and permanent rock anchors
RIICFW303D	Install primary ground support
RIICFW304D	Conduct pile driving operations
RIICFW305D	Conduct cast in-situ pilings operations
RIICFW306D	Direct pile driving operations
RIICFW307D	Direct cast in-situ piling operations
RIICPL301D	Install water mains pipelines
RIICPL302D	Install storm water systems
RIICPL303D	Install sewer pipelines
RIICPL304D	Install pre-cast gully pits
RIICPL305D	Install pre-cast access chambers
RIICRC301D	Maintain drainage systems
RIICRC302D	Place and form concrete kerb, channel and fixtures
RIICRC303D	Lay pavers
RIICRC304D	Maintain sealed roads
RIICRC305D	Conduct road construction paver screeding operations
RIICRC306D	Conduct earthworks
RIICRC307D	Conduct road pavement construction
RIICRM301D	Conduct ride on road marking operations
RIICRM302D	Conduct long line road marking operations
RIICRM303D	Conduct thermo plastic road marking operations
RIICTC301D	Install tunnelling constructions services
RIICTC302D	Line tunnel
RIICTC303D	Excavate tunnel by machine
RIICTC304D	Muck out tunnel earthworks
RIICTC305D	Construct portals
RIICTT301D	Conduct fluid assisted directional boring
RIICTT302D	Conduct impact moling, ramming and augering
RIICTT303D	Control micro tunnelling and pipe jacking
RIICTT304D	Undertake on-line replacement for existing pipeline systems
RIICTT305D	Undertake localised repair and sealing of existing pipeline systems
RIICTT306D	Install cure in-place linings for existing pipeline systems
RIICTT307D	Spray linings for existing pipeline systems
RIICTT308D	Install close-fit linings for existing pipeline systems
RIICTT309D	Install slip lining in existing pipeline systems
RIICTT310D	Renovate large diameter pipes and chambers
RIIHAN301D	Operate elevating work platform
RIIHAN307D	Operate a vehicle loading crane
RIIHAN308E	Load and unload plant
RIIHAN309E	Conduct telescopic materials handler operations
RIIMG301D	Maintain site records
RIIMPO318E	Conduct civil construction skid steer loader operations
RIIMPO334D	Conduct skid steer loader operations using attachments
RIIOGF302D	Operate drilling fluids and mud pits
RIIOGN303E	Operate mud systems
RIIRTM203D	Work as a safety observer/spotter

RIIWH302D	Implement traffic management plan
RIIWMG301D	Control construction site water table
TLID3011A	Conduct specialised forklift operations
<i>Group Z</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding – basic level
CPCCCM2007B	Use explosive power tools <ul style="list-style-type: none"> Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCSF2004A	Place and fix reinforcement materials <ul style="list-style-type: none"> Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
FPICOT2239A	Trim and cut felled trees
RIIBLA201D	Support shotfiring operations
RIIBLA202E	Support underground shotfiring operations
RIIBLA205D	Store, handle and transport explosives
RIICBM201D	Strip pile heads
RIICBS201D	Conduct tack coat spraying operations
RIICBS202D	Hand spread asphalt
RIICBS203D	Safely handle bituminous materials
RIICBS204D	Conduct aggregate spreader box operations
RIICBS205D	Roll aggregate in sprayed sealing operations
RIICBS206D	Conduct pavement sweeping operations
RIICBS207D	Take samples of materials used in road surfacing
RIICBS208D	Conduct road maintenance operations
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICRC201D	Repair potholes
RIICRC202D	Install signs
RIICRC203D	Install sub-soil drainage
RIICRC204D	Install and maintain roadside fixtures
RIICRC205D	Install utility poles
RIICRC206D	Install pre-cast concrete crash barriers
RIICRC207D	Install noise barriers
RIICRC208D	Lay pipes
RIICRC209D	Lay reinforced concrete box culverts

RIICRM201E	Escort mobile works
RIICRM202D	Handle and store road marking materials
RIICRM203D	Conduct pedestrian road marking operations
RIICRM204D	Prepare surface for road marking
RIICRM205D	Conduct road marking measuring operations
RIICRM206D	Conduct airless and atomised spraying operations
RIICRM207D	Install raised pavement markers
RIIHAN201D	Operate a forklift
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWS202D	Enter and work in confined spaces
RIIWS204D	Work safely at heights
RIIWS205D	Control traffic with stop-slow bat
RIIWMG203D	Drain and dewater civil construction site
TLILIC2001A	Licence to operate a forklift truck
UEGNSG202B	Construct and lay distribution pipelines

RII30915 - Certificate III in Civil Construction (Release 2)

Packaging Rules

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

There are no prerequisites to imported units listed in this qualification.

The qualification has core and elective units of competency that cover the skills for the following eight (8) specialist and one (1) general Civil construction streams:

Stream 1 Bituminous Surfacing

Stream 2 Bridge Construction and Maintenance

Stream 3 Pipe Laying

Stream 4 Road Construction and Maintenance

Stream 5 Road Marking

Stream 6 Tunnel Construction

Stream 7 Timber Bridge Construction and Maintenance

Stream 8 Traffic Management

Stream 9 Civil Construction General

The core and elective unit requirements of one (1) stream must be met for this qualification to be awarded.

All elective units selected for 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.

Requirements for completion of **Stream 1 Bituminous Surfacing** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- seven (7) must be chosen from Group A
- at least three (3) must be chosen from Group B
- at least three (3) must be chosen from Group C
- no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of **Stream 2 Bridge Construction and Maintenance** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- eight (8) must be chosen from Group D
- at least two (2) must be chosen from Group E
- at least three (3) must be chosen from Group F
- no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of **Stream 3 Pipe Laying** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- ten (10) must be chosen from Group G
- at least one (1) must be chosen from Group H
- at least three (3) must be chosen from Group I
- no more than four (4) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of **Stream 4 Road Construction and Maintenance** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- nine (9) must be chosen from Group J
- at least two (2) must be chosen from Group K
- at least two (2) must be chosen from Group L
- no more than five (5) may come from elsewhere within this training package, or from another endorsed training package, or from an accredited course
- at least five (5) of the eighteen (18) elective units chosen must be road construction and maintenance (RIICRC) units.

Requirements for completion of **Stream 5 Road Marking** include:

Total number of units = 22

7 core units plus

15 elective units, of which:

- four (4) must be chosen from Group M
- at least one (1) must be chosen from Group N
- at least six (6) must be chosen from Group O
- no more than four (4) may come from elsewhere within this training package, or from another endorsed training package, or from an accredited course
- at least seven (7) of the fifteen (15) elective units chosen must be road marking (RIICRM) units.

Requirements for completion of **Stream 6 Tunnel Construction** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- eight (8) must be chosen from Group P
- at least three (3) must be chosen from Group Q
- at least two (2) must be chosen from Group R
- no more than five (5) may come from elsewhere within this training package, or from another endorsed training package, or from an accredited course.
- at least two (2) of the eighteen (18) elective units chosen must be tunnel construction (RIICTC) units.

Requirements for completion of **Stream 7 Timber Bridge Construction and Maintenance** include:

Total number of units = 28

7 core units plus

21 elective units, of which:

- twelve (12) must be chosen from Group S
- at least two (2) must be chosen from Group T
- at least two (2) must be chosen from Group U

- no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of **Stream 8 Traffic Management** include:

Total number of units = 23

7 core units plus

16 elective units, of which:

- eight (8) must be chosen from Group V
- at least two (2) must be chosen from Group W,
- with at least three (3) must be chosen from Group X,
- no more than three (3) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Requirements for completion of **Stream 9 Civil Construction General** include:

Total number of units = 25

7 core units plus

18 elective units, of which:

- at least ten (10) must be chosen from Group Y
- at least three (3) must be chosen from Group Z
- no more than five (5) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

<i>Core units of competency</i>	
Unit code	Unit title
RIIBEF201D	Plan and organise work
RIICCM201D	Carry out measurements and calculations
RIICCM203D	Read and interpret plans and specifications
RIICOM201D	Communicate in the workplace
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIIWHS201D	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIICBS202D	Hand spread asphalt
RIICBS203D	Safely handle bituminous materials
RIICBS207D	Take samples of materials used in road surfacing
RIICCM207D	Spread and compact materials manually
RIIIMG301D	Maintain site records
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS302D	Implement traffic management plan
<i>Group B</i>	
Unit code	Unit title
RIICBS301D	Conduct profile planer operations
RIICBS302D	Conduct paver screeding operations
RIICBS303D	Conduct materials transfer vehicle operations
RIICBS304D	Compact asphalt with rollers
RIICBS305D	Conduct asphalt paver operations

RIICBS306D	Conduct slurry sealing operations
RIICBS307D	Conduct bitumen sprayer operations
RIICBS308D	Load aggregate using a purpose built loader
RIICBS309D	Conduct self-propelled aggregate spreader operations
RIICBS310D	Conduct patching operations
RIICBS311D	Produce asphalt products
RIICBS312D	Conduct bitumen tanker operations
RIICBS402D	Apply the principles for the application of bituminous sprayed treatment
<i>Group C</i>	
Unit code	Unit title
BSBCUS301	Deliver and monitor a service to customers
BSBDIV301	Work effectively with diversity
BSBFLM305	Support operational plan
BSBFLM312	Contribute to team effectiveness
RIICBS201D	Conduct tack coat spraying operations
RIICBS204D	Conduct aggregate spreader box operations
RIICBS205D	Roll aggregate in sprayed sealing operations
RIICBS206D	Conduct pavement sweeping operations
RIICBS208D	Conduct road maintenance operations
RIICCM205E	Carry out manual excavation
RIIRIS202D	Respond to site based spills
RIIVEH304D	Conduct tip truck operations
<i>Group D</i>	
Unit code	Unit title
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWH302D	Implement traffic management plan
RIIWMG203D	Drain and dewater civil construction site
<i>Group E</i>	
Unit code	Unit title
RIICBM301D	Maintain concrete bridges
RIICBM302D	Install pre-cast girders
RIICBM303D	Install pre-cast parapets
RIICBM304D	Operate a bridge inspection unit
RIICBM305D	Install pre-cast concrete bridge decks
RIICBM306D	Undertake concreting work on concrete bridges
RIICBM307D	Construct formwork and false work on concrete bridges
<i>Group F</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools

	Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
CPCCSF2004A	Place and fix reinforcement materials Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
RIICBM201D	Strip pile heads
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICCM301D	Construct and dismantle fences and gates
RIICRC201D	Repair potholes
RIICRC208D	Lay pipes
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN302D	Conduct intermediate scaffolding operations
RIIMG301D	Maintain site records
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWH5202D	Enter and work in confined spaces
RIIWH5204D	Work safely at heights
RIIWH5205D	Control traffic with stop-slow bat
RIIWMG301D	Control construction site water table
TLILIC0003	Licence to operate a forklift truck
<i>Group G</i>	
Unit code	Unit title
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM210D	Install trench support
RIICRC208D	Lay pipes
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWH5302D	Implement traffic management plan
RIIWMG203D	Drain and dewater civil construction site
<i>Group H</i>	
Unit code	Unit title
RIICPL301D	Install water mains pipelines
RIICPL302D	Install storm water systems

RIICPL303D	Install sewer pipelines
<i>Group I</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
RIICCM209D	Carry out concrete work
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICCM301D	Construct and dismantle fences and gates
RIICPL304D	Install pre-cast gully pits
RIICPL305D	Install pre-case access chambers
RIICRC201D	Repair potholes
RIICRC203D	Install sub-soil drainage
RIICRC209D	Lay reinforced concrete box culverts
RIICRC301D	Maintain drainage systems
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIIMG301D	Maintain site records
RIIMPO327E	Conduct pipe layer operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205D	Control traffic with stop-slow bat
RIIWMG301D	Control construction site water table
TLILIC0003	Licence to operate a forklift truck
<i>Group J</i>	
Unit code	Unit title
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICRC201D	Repair potholes
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS302D	Implement traffic management plan
RIIWMG203D	Drain and dewater civil construction site

<i>Group K</i>	
Unit code	Unit title
RIICRC301D	Maintain drainage systems
RIICRC302D	Place and form concrete kerb, channel and fixtures
RIICRC303D	Lay pavers
RIICRC304D	Maintain sealed roads
RIICRC305D	Conduct road construction paver screeding operations
RIICRC306D	Conduct earthworks
RIICRC307D	Conduct road pavement construction
RIICRC309D	Conduct stabiliser operations
RIICRC311D	Conduct concrete road paver operations
RIICRC312D	Setup and maintain concrete paver stringlines
RIICRC313D	Conduct concrete road curing and texturing operations
RIICRC314D	Handle concrete materials
RIICRC315D	Use concreting materials and equipment
RIICRC316D	Place and compact concrete
RIICRC317D	Finish concrete pavements
RIICRC318D	Cure concrete
RIICRC319D	Saw and cut concrete pavements to initiate planned cracks
RIICRC320D	Seal concrete pavements
RIICRC321D	Use automated paving guidance systems
RIICRC322D	Receive, check and record concrete deliveries
RIICRC323D	Insert tie bars in fresh concrete
<i>Group L</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
CPCCSF2004A	Place and fix reinforcement materials Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
FWPCOT2239	Trim and cut felled trees
FWPFGM3212	Fall trees manually (intermediate)
RIICBS202D	Hand spread asphalt
RIICBS203D	Safely handle bituminous materials
RIICBS301D	Conduct profile planer operations
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICCM301D	Construct and dismantle fences and gates
RIICPL302D	Install storm water systems

RIICPL304D	Install pre-cast gully pits
RIICPL305D	Install pre-cast access chambers
RIICRC202D	Install signs
RIICRC203D	Install sub-soil drainage
RIICRC204D	Install and maintain roadside fixtures
RIICRC205D	Install utility poles
RIICRC206D	Install pre-cast concrete crash barriers
RIICRC207D	Install noise barriers
RIICRC208D	Lay pipes
RIICRC209D	Lay reinforced concrete box culverts
RIIHAN201E	Operate a forklift
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN307E	Operate a vehicle loading crane
RIIMG301D	Maintain site records
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205D	Control traffic with stop-slow bat
RIIWMG301D	Control construction site water table
TLIC3011	Conduct specialised forklift operations
TLILIC0003	Licence to operate a forklift truck
<i>Group M</i>	
Unit code	Unit title
RIICRM202D	Handle and store road marking materials
RIICRM204D	Prepare surface for road marking
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS302D	Implement traffic management plan
<i>Group N</i>	
Unit code	Unit title
RIICRM301D	Conduct ride on road marking operations
RIICRM302D	Conduct long line road marking operations
RIICRM303D	Conduct thermo plastic road marking operations
<i>Group O</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations

RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICRC202D	Install signs
RIICRM201D	Escort mobile road marking operations
RIICRM203D	Conduct pedestrian road marking operations
RIICRM205D	Conduct road marking measuring operations
RIICRM206D	Conduct airless and atomised spraying operations
RIICRM207D	Install raised pavement markers
RIIHAN201E	Operate a forklift
RIIHAN208D	Perform dogging
RIIHAN301E	Operate elevating work platform
RIIHAN307E	Operate a vehicle loading crane
RIIMG301D	Maintain site records
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWS204D	Work safely at heights
RIIWS205D	Control traffic with stop-slow bat
TLILIC0003	Licence to operate a forklift truck
<i>Group P</i>	
Unit code	Unit title
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICRC203D	Install sub-soil drainage
RIISAM201D	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIIWMG203D	Drain and dewater civil construction site
<i>Group Q</i>	
Unit code	Unit title
RIIBLA303D	Conduct underground development shotfiring
RIICCM301D	Construct and dismantle fences and gates
RIICFW302D	Install temporary and permanent rock anchors
RIICFW303D	Install primary ground support
RIICRC301D	Maintain drainage systems
RIICTC301D	Install tunnelling constructions services
RIICTC302D	Line tunnel
RIICTC303D	Excavate tunnel by machine
RIICTC304D	Muck out tunnel earthworks
RIICTC305D	Construct portals
RIIHAN301E	Operate elevating work platform
RIIUND310D	Apply shot-crete
RIIWS302D	Implement traffic management plan

<i>Group R</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
RIIBLA202F	Support underground shotfiring operations
RIIBLA205D	Store, handle and transport explosives
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICRC201D	Repair potholes
RIICRC208D	Lay pipes
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205D	Control traffic with stop-slow bat
TLILIC0003	Licence to operate a forklift truck
<i>Group S</i>	
Unit code	Unit title
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM210D	Install trench support
RIICTB201D	Maintain timber bridges
RIICTB301D	Undertake visual inspection
RIICTB302D	Install temporary support members
RIICTB304D	Install or replace sub-structure members
RIICTB305D	Install or replace super-structure members
RIICTB306D	Splice and connect timber members
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS202D	Enter and work in confined spaces
<i>Group T</i>	
Unit code	Unit title
RIICBM304D	Operate a bridge inspection unit
RIICBM307D	Construct formwork and false work on concrete bridges
RIICCM301D	Construct and dismantle fences and gates

RIICFW304D	Conduct pile driving operations
RIICFW306D	Direct pile driving operations
RIICTB303D	Erect a temporary modular support system (bailey) on an existing bridge
RIICTB307D	Assemble a temporary modular bridge
RIICTB308D	Install or replace truss members
RIICTB309D	Construct, maintain and remove coffer dams
RIICTB310D	Construct specialised timber deck systems
RIIHAN302D	Conduct intermediate scaffolding operations
RIIWH302D	Implement traffic management plan
<i>Group U</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level Prerequisite unit: CPCCLDG3001A Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
FWPCOT2239	Trim and cut felled trees
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICTB202D	Apply bridge durability treatment
RIICTB203D	Produce drawings and sketches
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWH204D	Work safely at heights
RIIWH205D	Control traffic with stop-slow bat
RIIWMG203D	Drain and dewater civil construction site
TLILIC0003	Licence to operate a forklift truck
<i>Group V</i>	
Unit code	Unit title
FDFOP1003A	Carry out manual handling tasks
RIIRIS201D	Conduct local risk control
RIIRTM203D	Work as a safety observer/spotter
RIISTD201D	Read and interpret maps
RIIVEH201D	Operate light vehicle
RIIWH205D	Control traffic with a stop/slow bat
RIIWH302D	Implement traffic management plan
TLIE3004	Prepare workplace documents
<i>Group W</i>	
Unit code	Unit title
RIICRM201E	Escort mobile works
RIICWD503D	Prepare work zone traffic management plan
RIIRTM301D	Operate a truck or trailer mounted attenuator

RIIRTM201D	Position and set up a variable message sign
RIIRTM202D	Position and set up portable traffic signals
<i>Group X</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
BSBSUS201	Participate in environmentally sustainable work practices
HLTAID003	Provide first aid
RIIBEF202D	Identify and rectify site operating problems
RIIBEF301D	Run on-site operations
RIICCM206D	Support plant operations
RIICRC202D	Install signs
RIICRC206D	Install pre-cast concrete crash barriers
RIIGOV201D	Comply with site work processes/procedures
RIIHAN201E	Operate a forklift
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS301D	Apply risk management processes
TAEDEL301	Provide work skill instruction
TLIE2007	Use communication systems
TLIL1001	Complete workplace orientation/induction procedures
<i>Group Y</i>	
Unit code	Unit title
BSBCUS301	Deliver and monitor a service to customers
BSBFLM312	Contribute to team effectiveness
BSBFLM305	Support operational plan
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level Prerequisite unit: CPCCLDG3001A Licence to perform dogging
FWPFGM3212	Fall trees manually (intermediate)
RIIBLA301D	Conduct surface shotfiring operations
RIIBLA303D	Conduct underground development shotfiring
RIICBM301D	Maintain concrete bridges
RIICBM302D	Install pre-cast girders
RIICBM303D	Install pre-cast parapets
RIICBM304D	Operate a bridge inspection unit
RIICBM305D	Install pre-cast concrete bridge decks
RIICBM306D	Undertake concreting work on concrete bridges
RIICBM307D	Construct formwork and false work on concrete bridges
RIICBS301D	Conduct profile planer operations
RIICBS302D	Conduct paver screeding operations
RIICBS303D	Conduct materials transfer vehicle operations
RIICBS304D	Compact asphalt with rollers
RIICBS305D	Conduct asphalt paver operations
RIICBS306D	Conduct slurry sealing operations
RIICBS307D	Conduct bitumen sprayer operations
RIICBS308D	Load aggregate using a purpose built loader
RIICBS309D	Conduct self-propelled aggregate spreader operations

RIICBS310D	Conduct patching operations
RIICBS311D	Produce asphalt products
RIICBS312D	Conduct bitumen tanker operations
RIICCM301D	Construct and dismantle fences and gates
RIICFW301D	Construct underpinning
RIICBS303D	Conduct materials transfer vehicle operations
RIICBS304D	Compact asphalt with rollers
RIICBS305D	Conduct asphalt paver operations
RIICBS306D	Conduct slurry sealing operations
RIICFW302D	Install temporary and permanent rock anchors
RIICFW303D	Install primary ground support
RIICFW304D	Conduct pile driving operations
RIICFW305D	Conduct cast in-situ pilings operations
RIICFW306D	Direct pile driving operations
RIICFW307D	Direct cast in-situ piling operations
RIICPL301D	Install water mains pipelines
RIICPL302D	Install storm water systems
RIICPL303D	Install sewer pipelines
RIICPL304D	Install pre-cast gully pits
RIICPL305D	Install pre-cast access chambers
RIICRC301D	Maintain drainage systems
RIICRC302D	Place and form concrete kerb, channel and fixtures
RIICRC303D	Lay pavers
RIICRC304D	Maintain sealed roads
RIICRC305D	Conduct road construction paver screeding operations
RIICRC306D	Conduct earthworks
RIICRC307D	Conduct road pavement construction
RIICRM301D	Conduct ride on road marking operations
RIICRM302D	Conduct long line road marking operations
RIICRM303D	Conduct thermo plastic road marking operations
RIICTC301D	Install tunnelling constructions services
RIICTC302D	Line tunnel
RIICTC303D	Excavate tunnel by machine
RIICTC304D	Muck out tunnel earthworks
RIICTC305D	Construct portals
RIICTT301D	Conduct fluid assisted directional boring
RIICTT302D	Conduct impact moling, ramming and augering
RIICTT303D	Control micro tunnelling and pipe jacking
RIICTT304D	Undertake on-line replacement for existing pipeline systems
RIICTT305D	Undertake localised repair and sealing of existing pipeline systems
RIICTT306D	Install cure in-place linings for existing pipeline systems
RIICTT307D	Spray linings for existing pipeline systems
RIICTT308D	Install close-fit linings for existing pipeline systems
RIICTT309D	Install slip lining in existing pipeline systems
RIICTT310D	Renovate large diameter pipes and chambers
RIIHAN301E	Operate elevating work platform

RIIHAN307E	Operate a vehicle loading crane
RIIHAN308F	Load and unload plant
RIIHAN309F	Conduct telescopic materials handler operations
RIIIMG301D	Maintain site records
RIIMPO318F	Conduct civil construction skid steer loader operations
RIIMPO334E	Conduct skid steer loader operations using attachments
RIIOGF302D	Operate drilling fluids and mud pits
RIIOGN303E	Operate mud systems
RIIRTM203D	Work as a safety observer/spotter
RIIWHS302D	Implement traffic management plan
RIIWMG301D	Control construction site water table
TLIC3011	Conduct specialised forklift operations
<i>Group Z</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
CPCCCM2007B	Use explosive power tools <ul style="list-style-type: none"> Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCSF2004A	Place and fix reinforcement materials Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
FWPCOT2239	Trim and cut felled trees
RIIBLA201D	Support shotfiring operations
RIIBLA202F	Support underground shotfiring operations
RIIBLA205D	Store, handle and transport explosives
RIICBM201D	Strip pile heads
RIICBS201D	Conduct tack coat spraying operations
RIICBS202D	Hand spread asphalt
RIICBS203D	Safely handle bituminous materials
RIICBS204D	Conduct aggregate spreader box operations
RIICBS205D	Roll aggregate in sprayed sealing operations
RIICBS206D	Conduct pavement sweeping operations
RIICBS207D	Take samples of materials used in road surfacing
RIICBS208D	Conduct road maintenance operations
RIICCM202D	Identify, locate and protect underground services
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICRC201D	Repair potholes
RIICRC202D	Install signs
RIICRC203D	Install sub-soil drainage

RIICRC204D	Install and maintain roadside fixtures
RIICRC205D	Install utility poles
RIICRC206D	Install pre-cast concrete crash barriers
RIICRC207D	Install noise barriers
RIICRC208D	Lay pipes
RIICRC209D	Lay reinforced concrete box culverts
RIICRM201E	Escort mobile works
RIICRM202D	Handle and store road marking materials
RIICRM203D	Conduct pedestrian road marking operations
RIICRM204D	Prepare surface for road marking
RIICRM205D	Conduct road marking measuring operations
RIICRM206D	Conduct airless and atomised spraying operations
RIICRM207D	Install raised pavement markers
RIIHAN201E	Operate a forklift
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205D	Control traffic with stop-slow bat
RIIWMG203D	Drain and dewater civil construction site
TLILIC0003	Licence to operate a forklift truck

RII30815 - Certificate III in Civil Construction Plant Operations (Release 1)

Packaging Rules

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

Total number of units = 19

14 core units plus

5 elective units, of which:

- at least one (1) must be chosen from Group A
- at least two (2) must be chosen from Group B
- no more than two (2) may be chosen from Group C
- no more than one (1) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

OR

- at least two (2) must be chosen from Group A
- a further three (3) may be chosen from Group A, B, or C
- no more than one (1) 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 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	
Unit code	Unit title
RIIBEF201D	Plan and organise work
RIICCM201D	Carry out measurements and calculations
RIICCM202D	Identify, locate and protect underground services
RIICCM203D	Read and interpret plans and specifications
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually

RIICCM208D	Carry out basic levelling
RIICOM201D	Communicate in the workplace
RIISAM201D	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIIWHS201D	Work safely and follow WHS policies and procedures
RIIWMG203D	Drain and dewater civil construction site
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIMPO318E	Conduct civil construction skid steer loader operations
RIIMPO319D	Conduct backhoe/loader operations
RIIMPO320E	Conduct civil construction excavator operations
RIIMPO321E	Conduct civil construction wheeled front end loader operations
RIIMPO322D	Conduct civil construction tracked front end loader operations
RIIMPO323D	Conduct civil construction dozer operations
RIIMPO324E	Conduct civil construction grader operations
RIIMPO325D	Conduct civil construction scraper operations
RIIMPO327D	Conduct pipe layer operations
<i>Group B</i>	
Unit code	Unit title
RIICRC308D	Conduct paver operations
RIICRC309D	Conduct stabiliser operations
RIIHAN309E	Conduct telescopic materials handler operations
RIIHAN311E	Conduct operations with integrated tool carrier
RIIMPO315D	Conduct tractor operations
RIIMPO316D	Conduct self propelled compactor operations
RIIMPO317E	Conduct roller operations
RIIMPO326D	Conduct civil construction water cart operations
RIIMPO328D	Conduct continuous bucket trencher operations
RIIMPO336D	Conduct belly dump truck operations
RIIMPO337D	Conduct articulated truck operations
RIIMPO338D	Conduct rigid haul truck operations
RIIVEH304D	Conduct tip truck operations
<i>Group C</i>	
Unit code	Unit title
AHCSAW201A	Conduct erosion and sediment control activities
AHCSAW301A	Construct conservation earthworks
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools <ul style="list-style-type: none"> Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry

CPCCLDG3001A	Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
HLTAID003	Provide first aid
RIICCM204D	Place and fix reinforcement materials
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICRC201D	Repair potholes
RIICRC208D	Lay pipes
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301D	Operate elevating work platform
RIIHAN308E	Load and unload plant
RIIWHS205D	Control traffic with stop-slow bat
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIISAM213D	Position and set up mobile lighting
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
TLILIC2005A	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)
TLILIC3006A	Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity)

RII30815 - Certificate III in Civil Construction Plant Operations (Release 2)

Packaging Rules

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

Total number of units = 19

14 core units plus

5 elective units, of which:

- at least one (1) must be chosen from Group A
- at least two (2) must be chosen from Group B
- no more than two (2) may be chosen from Group C
- no more than one (1) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

OR

- at least two (2) must be chosen from Group A
- a further three (3) may be chosen from Group A, B, or C
- no more than one (1) 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 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	
Unit code	Unit title
RIIBEF201D	Plan and organise work
RIICCM201D	Carry out measurements and calculations
RIICCM202D	Identify, locate and protect underground services
RIICCM203D	Read and interpret plans and specifications
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually

RIICCM208D	Carry out basic levelling
RIICOM201D	Communicate in the workplace
RIISAM201D	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIIWH5201D	Work safely and follow WHS policies and procedures
RIIWMG203D	Drain and dewater civil construction site
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIMPO318F	Conduct civil construction skid steer loader operations
RIIMPO319E	Conduct backhoe/loader operations
RIIMPO320F	Conduct civil construction excavator operations
RIIMPO321F	Conduct civil construction wheeled front end loader operations
RIIMPO322E	Conduct civil construction tracked front end loader operations
RIIMPO323E	Conduct civil construction dozer operations
RIIMPO324F	Conduct civil construction grader operations
RIIMPO325E	Conduct civil construction scraper operations
RIIMPO327E	Conduct pipe layer operations
<i>Group B</i>	
Unit code	Unit title
RIICRC308D	Conduct paver operations
RIICRC309D	Conduct stabiliser operations
RIIHAN309F	Conduct telescopic materials handler operations
RIIHAN311F	Conduct operations with integrated tool carrier
RIIMPO315E	Conduct tractor operations
RIIMPO316E	Conduct self propelled compactor operations
RIIMPO317F	Conduct roller operations
RIIMPO326E	Conduct civil construction water cart operations
RIIMPO328E	Conduct continuous bucket trencher operations
RIIMPO336E	Conduct belly dump truck operations
RIIMPO337E	Conduct articulated haul truck operations
RIIMPO338E	Conduct rigid haul truck operations
RIIVFH304D	Conduct tip truck operations
<i>Group C</i>	
Unit code	Unit title
AHCSAW201	Conduct erosion and sediment control activities
AHCSAW301	Construct conservation earthworks
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools <ul style="list-style-type: none"> Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry

CPCCLDG3001A	Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
HLTAID003	Provide first aid
RIICCM204D	Place and fix reinforcement materials
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICRC201D	Repair potholes
RIICRC208D	Lay pipes
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN308F	Load and unload plant
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIISAM213D	Position and set up mobile lighting
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205D	Control traffic with stop-slow bat
TLILIC0005	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)
TLILIC0008	Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity)

RII30815 - Certificate III in Civil Construction Plant Operations (Release 3)

Packaging Rules

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

Total number of units = 19

14 core units plus

5 elective units , of which:

- at least one (1) must be chosen from Group A
- at least two (2) must be chosen from Group B
- no more than two (2) may be chosen from Group C
- no more than one (1) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

OR

- at least two (2) must be chosen from Group A
- a further three (3) may be chosen from Group A, B, or C
- no more than one (1) 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 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	
Unit code	Unit title
RIIBEF201D	Plan and organise work
RIICCM201D	Carry out measurements and calculations
RIICCM202D	Identify, locate and protect underground services
RIICCM203D	Read and interpret plans and specifications
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually

RIICCM208D	Carry out basic levelling
RIICOM201D	Communicate in the workplace
RIISAM201D	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIIWHS201D	Work safely and follow WHS policies and procedures
RIIWMG203D	Drain and dewater civil construction site
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIMPO318F	Conduct civil construction skid steer loader operations
RIIMPO319E	Conduct backhoe/loader operations
RIIMPO320F	Conduct civil construction excavator operations
RIIMPO321F	Conduct civil construction wheeled front end loader operations
RIIMPO322E	Conduct civil construction tracked front end loader operations
RIIMPO323E	Conduct civil construction dozer operations
RIIMPO324F	Conduct civil construction grader operations
RIIMPO325E	Conduct civil construction scraper operations
RIIMPO327E	Conduct pipe layer operations
<i>Group B</i>	
Unit code	Unit title
RIICRC308D	Conduct paver operations
RIICRC309D	Conduct stabiliser operations
RIIHAN309F	Conduct telescopic materials handler operations
RIIHAN311F	Conduct operations with integrated tool carrier
RIIMPO315E	Conduct tractor operations
RIIMPO316E	Conduct self propelled compactor operations
RIIMPO317F	Conduct roller operations
RIIMPO326E	Conduct water vehicle operations
RIIMPO328E	Conduct continuous bucket trencher operations
RIIMPO336E	Conduct belly dump truck operations
RIIMPO337E	Conduct articulated haul truck operations
RIIMPO338E	Conduct rigid haul truck operations
RIIVEH304D	Conduct tip truck operations
<i>Group C</i>	
Unit code	Unit title
AHCSAW201	Conduct erosion and sediment control activities
AHCSAW301	Construct conservation earthworks
BSBDIV301	Work effectively with diversity
CPCCCM2007B	Use explosive power tools <ul style="list-style-type: none"> Prerequisite unit: CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry

CPCCLDG3001A	Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
HLTAID003	Provide first aid
RIICCM204D	Place and fix reinforcement materials
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIICRC201D	Repair potholes
RIICRC208D	Lay pipes
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN308F	Load and unload plant
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIISAM213D	Position and set up mobile lighting
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205D	Control traffic with stop-slow bat
TLILIC0005	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)
TLILIC0008	Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity)

RII31215 - Certificate III in Civil Foundations (Release 1)

Packaging Rules

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

Total number of units = 25

14 core units plus

11 elective units, of which:

- at least five (5) must be chosen from Group A, of which at least two (2) which must be foundation work (RIICFW) units
- no more than five (5) may be chosen from Group B
- no more than one (1) unit may be chosen from within this training package, or from another endorsed training package, or from an accredited course

All elective units selected for 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 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.

<i>Core units of competency</i>	
Unit code	Unit title
RIIBEF201D	Plan and organise work
RIICCM201D	Carry out measurements and calculations
RIICCM202D	Identify, locate and protect underground services
RIICCM203D	Read and interpret plans and specifications
RIICCM205E	Carry out manual excavation
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICOM201D	Communicate in the workplace
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIIWHS201D	Work safely and follow WHS policies and procedures
RIIWMG203D	Drain and dewater civil construction site

RIIWMG301D	Control construction site water table
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
AHCSAW301A	Construct conservation earthworks
RIICCM301D	Construct and dismantle fences and gates
RIICFW301D	Construct underpinning
RIICFW302D	Install temporary and permanent rock anchors
RIICFW303D	Install primary ground support
RIICFW304D	Conduct pile driving operations
RIICFW305D	Conduct cast in-situ piling operations
RIICFW306D	Direct pile driving operations
RIICFW307D	Direct cast in-situ piling operations
RIICRC306D	Conduct earthworks
RIIHAN301D	Operate elevating work platform
RIIIMG301D	Maintain site records
RIIWHS302D	Implement traffic management plan
<i>Group B</i>	
Unit code	Unit title
AHCSAW201A	Conduct erosion and sediment control activities
BSBDIV301	Work effectively with diversity
CPCCLDG3001A	Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
RIICCM210D	Install trench support
RIICCM211D	Erect and dismantle temporary fencing and gates
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIINHB202D	Set up/pack up drill site
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS201D	Conduct local risk control
RIIRIS202D	Respond to site based spills
RIISAM205D	Cut, weld and bend materials
RIISAM213D	Position and set up mobile lighting
RIIWHS202D	Enter and work in confined spaces
RIIWHS205D	Control traffic with stop-slow bat
TLILIC2005A	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)

RII31815 - Certificate III in Drilling Operations (Release 1)

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

8 core units plus

5 elective units, of which:

- no more than two (2) must be chosen from Group A, including at least one (1) 'Conduct' unit
- no more than two (2) units may 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 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.

<i>Core units of competency</i>	
Unit code	Unit title
BSBWHS301	Maintain workplace safety
MSAPMSUP172A	Identify and minimise environmental hazards
RIIBEF301D	Run on-site operations
RIICOM201D	Communicate in the workplace
RIINHB301D	Set up and prepare for drilling operations
RIIRIS301D	Apply risk management processes
RIISAM209D	Carry out operational maintenance
TAEDEL301A	Provide work skill instruction
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIBHD305D	Conduct down-hole hammer drilling
RIINHB302D	Conduct reaming
RIINHB303D	Install product pipe
RIINHB304D	Conduct air drilling
RIINHB305E	Conduct continuous flight auger drilling
RIINHB306E	Conduct large diameter auger drilling
RIINHB307D	Conduct conventional core drilling

RIINHB308D	Conduct wireline core drilling
RIINHB309E	Conduct guided boring
RIINHB310D	Conduct surface directional drilling
RIINHB311D	Conduct mud rotary drilling
RIINHB312D	Conduct raise boring
RIINHB313D	Conduct cable tool drilling
RIINHB315D	Conduct top-hole hammer drilling
RIINHB316D	Conduct underground in-seam directional drilling
RIINHB317D	Install underground in-seam directional drilling standpipes
RIINHB318D	Install and operate water and gas control equipment
RIINHB319D	Install de-watering conduit and gas drainage equipment
RIINHB320D	Construct monitoring bores
RIINHB322D	Construct multiple aquifer production bores
RIINHB323D	Conduct horizontal directional drilling
RIINHB324D	Carry out grouting or cementing operations
RIINHB325D	Construct and complete single aquifer production bores
<i>Group B</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
HLTAID003	Provide first aid
HLTAID006	Provide advanced first aid
PMASUP236B	Operate vehicles in the field
RIIBHD301D	Conduct surface blast hole drilling operations
RIIBHD304D	Set up and prepare for open-cut drilling operations
RIIBLA201D	Support shotfiring operations
RIIBLA202E	Support underground shotfiring operations
RIIBLA205D	Store, handle and transport explosives
RIIBLA301D	Conduct surface shotfiring operations
RIIBLA303D	Conduct underground development shotfiring
RIIBLA304D	Conduct underground production shotfiring
RIICTT303D	Control micro tunnelling and pipe-jacking
RIIERR301D	Respond to mine incident
RIIERR302D	Respond to local emergencies and incidents
RIINHB205E	Assist continuous flight auger drilling
RIINHB206E	Assist large diameter auger drilling
RIINHB208D	Assist diamond core drilling
RIINHB209D	Assist guided boring
RIINHB210D	Assist surface directional drilling
RIINHB211D	Assist mud rotary drilling
RIINHB213D	Assist cable tool drilling
RIINHB219D	Assist with air drilling
RIIOGD304D	Apply effective coal seam gas control practices
RIIOGD305D	Apply blow out prevention operational procedures
RIIOGD405D	Carry out well control and blow out prevention
RIIQUA201D	Maintain and monitor site quality standards

RIIVEH305E	Operate and maintain a four wheel drive vehicle
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RII30615 - Certificate III in Small Mining Operations (Release 1)

Packaging Rules

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

Total number of units = 15

3 core units plus

12 elective units, of which:

- at least five (5) must be chosen from Group A
- no more than seven (7) may be chosen from Group B
- no more than one (1) unit 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 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.

<i>Core units of competency</i>	
Unit code	Unit title
RIICOM201D	Communicate in the workplace
RIIRIS201D	Conduct local risk control
RIIWHS201D	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
AHCNAR201A	Carry out natural area restoration works
AHCSAW201A	Conduct erosion and sediment control activities
AHCNAR303A	Implement revegetation works
AHCSAW301A	Construct conservation earthworks
RIICAR302D	Rehabilitate small mine site
RIIMEX201D	Suppress dust in open-cut environment
RIIMEX203D	Break oversize rock
RIIMEX302D	Assess ground conditions

RIIMPO301D	Conduct hydraulic excavator operations
RIIMPO304D	Conduct wheel loader operations
RIIMPO336D	Conduct belly dump truck operations
RIIMPO337D	Conduct articulated truck operations
RIIMPO338D	Conduct rigid haul truck operations
RIIMPO314D	Operate small open cut mine equipment
RIIMSM301D	Establish a mining claim
RIIMSM302D	Plan small mine operations
RIIMSM303D	Install underground shaft
RIIMSM304D	Inspect small mines operations
RIIMSM305D	Conduct materials extraction operations underground
RIIMSM306D	Design and maintain pillar system and ground control
RIIMSM307D	Install and maintain ventilation systems and equipment
RIISRM303D	Move and position materials to form stockpiles
RIISRM304D	Maintain stockpiles
RIIUMM201D	Install ground support
RIIUMM203D	Prepare and perform manual scaling operations
<i>Group B</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A	Licence to perform rigging basic level <ul style="list-style-type: none"> Prerequisite unit: CPCCLDG3001A Licence to perform dogging
HLTAID003	Provide first aid
RIIENV201D	Identify and assess environmental and heritage concerns
RIIERR302D	Respond to local emergencies and incidents
RIIHAN203D	Conduct lifting operations
RIIHAN208D	Perform dogging
RIIHAN209D	Perform basic rigging
RIIPEO201D	Conduct conveyor operations
RIIRIS202D	Respond to site based spills
RIIRIS301D	Apply risk management processes
RIISAM207D	Apply operational maintenance skills
RIISAM212D	Service mine plant and equipment
RIISAM213D	Position and set up mobile lighting
RIISAM310D	Install and commission small mine plant, machinery and services
RIIWHS204D	Work safely at heights

RII30315 - Certificate III in Underground Metalliferous Mining (Release 1)

Packaging Rules

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

Total number of units = 14

6 core units plus

8 elective units, of which:

- at least five (5) must be chosen from Group A
- no more than three (3) may be chosen from Group B
- no more than two (2) units 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 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.

A prerequisite must be considered in the total number of units chosen.

Core units of competency	
Unit code	Unit title
RIICOM302D	Communicate workplace information
RIIENV302D	Apply environmentally sustainable work practices
RIIMEX302D	Assess ground conditions
RIIQUA201D	Maintain and monitor site quality standards
RIIRIS301D	Apply risk management processes
RIIWHS201D	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
BSBFLM305	Support operational plan
RIIBEF301D	Run on-site operations
RIIBEF401D	Manage non-routine, complex technical situations

RIIBHD302D	Conduct underground development drilling
RIIBHD303D	Conduct long hole drilling
RIIBLA303D	Conduct underground development shotfiring
RIIBLA304D	Conduct underground production shotfiring
RIIBLA305D	Conduct secondary blasting
RIIMPG301D	Control and monitor automated plant/machinery
RIIMPO307D	Conduct wheel grader operations in underground mines
RIIMPO333D	Conduct underground load, haul and dump truck operations
RIINHB307D	Conduct conventional core drilling
RIINHB310D	Conduct surface directional drilling
RIINHB312D	Conduct raise boring
RIIWHS301D	Conduct safety and health investigation
RIISAM202D	Isolate and access plant
RIISAM306D	Service and maintain conveyors, feeders and hoppers
RIISAM307D	Service and maintain crushers
RIISAM312D	Inspect and maintain shafts and structures
RIISRM302D	Conduct stockpile reclaiming operations
RIIUMM301D	Conduct wet filling activities
RIIUMM302D	Install sets
RIIUMM303D	Conduct hand held mining
RIIUMM304D	Construct and maintain underground roads
RIIUMM305D	Install and remove a secondary fan
RIIUMM306D	Conduct mechanical scaling
RIIUMM307D	Maintain underground stockpiles
RIIUND205D	Respond to a workforce incident
RIIUND301D	Operate manual winder
RIIUND302D	Conduct cage operations
RIIUND303D	Operate winder for shaft sinking
RIIUND304D	Recover equipment
RIIUND305D	Recover underground equipment
RIIUND306D	Conduct line of sight remote operations
RIIUND307D	Conduct tele-remote operations
RIIUND308D	Conduct control room operations
RIIUND309D	Conduct mechanical underground ground support drilling and installation
RIIVEH306D	Operate mine service vehicle
<i>Group B</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
BSBINN301	Promote innovation in a team environment
MSAPMPER300C	Issue work permits <ul style="list-style-type: none"> Prerequisite unit: RIIRIS201B Conduct local risk control
RIIBEF302D	Monitor site production activities
RIIBLA306D	Conduct accretion firing

RIIBLA308D	Conduct electronic blasting operations
RIIERR203D	Escape from hazardous situation unaided
RIIERR204D	Provide aided rescue to endangered personnel
RIIERR302D	Respond to local emergencies and incidents
RIIHAN304D	Conduct slewing crane operations
RIIHAN306D	Carry out lifting using multiple cranes
RIIHAN309E	Conduct telescopic materials handler operations
RIIHAN310D	Conduct crane operations underground
RIIHAN311E	Conduct integrated tool carrier operations
RIIMPO334D	Conduct operations using skid steer loader with attachments
RIIMPO335D	Conduct operations using skid steer loader without attachments
RIIRIS202D	Respond to site based spills
RIISAM311D	Maintain winder equipment
RIISAM313D	Monitor, inspect and service ropes and attachments
RIISTD301D	Take environmental samples and measurements
RIIUND310D	Apply shot-crete underground
RIIVEH301D	Conduct rail haulage operations
TLILIC3008A	Licence to operate a slewing mobile crane (up to 20 tonnes)

RII31820 - Certificate III in Drilling Operations (Release 2)

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

8 core units plus

5 elective units, of which:

- at least one (1) must be chosen from Group A whose unit title begins with 'Conduct'
- at least one (1) unit may 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 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.

<i>Core units of competency</i>	
Unit code	Unit title
BSBWHS301	Maintain workplace safety
MSMENV172	Identify and minimise environmental hazards
RIIBEF301D	Run on-site operations
RIICOM301E	Communicate information
RIIERR302E	Respond to local emergencies and incidents
RIINHB301E	Set up and prepare for drilling operations
RIIRIS301E	Apply risk management processes
RIISAM209E	Carry out operational maintenance
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIBHD301E	Conduct surface blast hole drilling operations
RIICCM302	Track directional boring operations
RIINHB302D	Conduct reaming
RIINHB303D	Install product pipe
RIINHB304E	Conduct reverse circulation drilling operations
RIINHB305E	Conduct continuous flight auger drilling
RIINHB306E	Conduct large diameter auger drilling
RIINHB307D	Conduct conventional core drilling

RIINHB308D	Conduct wireline core drilling
RIINHB309E	Conduct guided boring
RIINHB310D	Conduct surface directional drilling
RIINHB311E	Conduct mud rotary drilling operations
RIINHB312D	Conduct raise boring
RIINHB315D	Conduct top-hole hammer drilling
RIINHB316D	Conduct underground in-seam directional drilling
RIINHB317D	Install underground in-seam directional drilling standpipes
RIINHB318D	Install and operate water and gas control equipment
RIINHB320D	Construct monitoring bores
RIINHB322E	Construct multiple aquifer production bores
RIINHB323D	Conduct horizontal directional drilling
RIINHB324E	Conduct grouting or cementing operations
RIINHB325E	Construct single aquifer bores
RIINHB326	Conduct coil tube drilling
RIINHB327	Conduct cyber chair drilling operations
RIINHB328	Conduct rotary air drilling
RIINHB329	Conduct sonic drilling operations
RIINHB330	Conduct down-hole hammer drilling
RIISTD202D	Collect routine site samples
<i>Group B</i>	
Unit code	Unit title
HLTAID003	Provide first aid
HLTAID006	Provide advanced first aid
RIIBLA201E	Support shotfiring operations
RIIBLA202F	Support underground shotfiring operations
RIIBLA205E	Store, handle and transport explosives
RIIBLA301E	Conduct surface shotfiring operations
RIIBLA303E	Conduct underground development shotfiring
RIIBLA304E	Conduct underground production shotfiring
RIICTT303E	Control micro tunnelling and pipe-jacking operations
RIIERR301E	Respond to work site incidents
RIIHAN309F	Conduct telescopic materials handler operations
RIIMPO304E	Conduct wheel loader operations
RIIOGD304D	Apply effective coal seam gas control practices
RIIOGD305E	Apply blow out prevention operational procedures
RIIOGD405E	Carry out well control and blow out prevention operations
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
RIIVEH305F	Operate and maintain a four wheel drive vehicle
TAEDEL301	Provide work skill instruction

RII30820 - Certificate III in Civil Construction Plant Operations (Release 2)

Packaging Rules

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

Total number of units = 20

15 core units plus

5 elective units, of which:

- at least one (1) must be chosen from Group A
- at least two (2) must be chosen from Group B
- no more than two (2) may be chosen from Group C
- no more than one (1) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course.

OR

- at least two (2) must be chosen from Group A
- a further three (3) may be chosen from Group A, B, or C
- no more than one (1) 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 is a prerequisite to an imported unit listed in this qualification. Where a unit is imported as an elective care must be taken to ensure that the prerequisite specified is complied with.

<i>Core units of competency</i>	
Unit code	Unit title
RIIBEF201E	Plan and organise work
RIICCM201E	Carry out measurements and calculations
RIICCM202E	Identify, locate and protect underground services
RIICCM203E	Read and interpret plans and job specifications
RIICCM205F	Carry out manual excavation
RIICCM206E	Support plant operations
RIICCM207E	Spread and compact materials manually

RIICCM208E	Carry out basic levelling
RIICOM201E	Communicate in the workplace
RIIRIS301E	Apply risk management processes
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIISAM203E	Use hand and power tools
RIISAM204E	Operate small plant and equipment
RIIWHS201E	Work safely and follow WHS policies and procedures
RIIWMG203E	Drain and dewater civil construction sites
<i>Electives</i>	
<i>Group A</i>	
RIIMPO318F	Conduct civil construction skid steer loader operations
RIIMPO319E	Conduct backhoe/loader operations
RIIMPO320F	Conduct civil construction excavator operations
RIIMPO321F	Conduct civil construction wheeled front end loader operations
RIIMPO322E	Conduct civil construction tracked front end loader operations
RIIMPO323E	Conduct civil construction dozer operations
RIIMPO324F	Conduct civil construction grader operations
RIIMPO325E	Conduct civil construction scraper operations
RIIMPO327E	Conduct pipe layer operations
RIIMPO337E	Conduct articulated haul truck operations
RIIMPO338E	Conduct rigid haul truck operations
<i>Group B</i>	
RIICRC308E	Conduct paver operations
RIICRC309E	Conduct stabiliser operations
RIIHAN309F	Conduct telescopic materials handler operations
RIIHAN311F	Conduct operations with integrated tool carrier
RIIMPO315E	Conduct tractor operations
RIIMPO316E	Conduct self-propelled compactor operations
RIIMPO317F	Conduct roller operations
RIIMPO326E	Conduct water vehicle operations
RIIMPO328E	Conduct continuous bucket trencher operations
RIIMPO336E	Conduct belly dump truck operations
RIIVEH304E	Conduct tip truck operations
<i>Group C</i>	
AHCSAW201	Conduct erosion and sediment control activities
AHCSAW301	Construct conservation earthworks
BSBTWK301	Use inclusive work practices
CPCCCM2007*	Use explosive power tools
CPCCLDG3001A	Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
HLTAID003	Provide first aid
RIICCM204E	Place and fix reinforcement materials

RIICCM209E	Carry out concrete work
RIICCM210E	Install trench support
RIICCM211E	Construct and dismantle fences and gates
RIICRC201E	Repair potholes
RIICRC208E	Lay pipes
RIIHAN208E	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN308F	Load and unload plant
RIIQUA201E	Maintain and monitor site quality standards
RIIRIS201E	Conduct local risk control
RIIRIS202E	Respond to site based spills
RIISAM205E	Cut, weld and bend materials
RIISAM213E	Position and set up mobile lighting
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bat
TLILIC0005	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)
TLILIC0008	Licence to operate a non-slewing mobile crane (greater than 3 tonnes capacity)

*Note the following prerequisite unit requirements.

UNIT IN THIS QUALIFICATION	PREREQUISITE UNIT
CPCCCM2007 Use explosive power tools	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

RII30920 - Certificate III in Civil Construction (Release 2)

Packaging Rules

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

Specialisations

The qualification has core and elective units of competency that cover the skills for the following eight (8) specialist and one (1) general civil construction specialisations:

Specialisation 1 – Bituminous Surfacing

Specialisation 2 – Bridge Construction and Maintenance

Specialisation 3 – Pipe Laying

Specialisation 4 – Road Construction and Maintenance

Specialisation 5 – Road Marking

Specialisation 6 – Tunnel Construction

Specialisation 7 – Timber Bridge Construction and Maintenance

Specialisation 8 – Traffic Management

Specialisation 9 – Civil Construction General

The core and elective unit requirements of one (1) specialisation must be met for this qualification to be awarded.

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

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. 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.

To be awarded the Certificate III in Civil Construction (Bituminous Surfacing) the following packaging rules apply:

Total number of units = 25

8 core units plus

17 elective units, of which:

- at least four (4) must be chosen from the electives in Group A and/or Group B
- up to nine (9) may be chosen from the electives in Group C
- up to four (4) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

To be awarded the Certificate III in Civil Construction (Bridge Construction and Maintenance) the following packaging rules apply:

Total number of units = 26

8 core units plus

18 elective units, of which:

- eight (8) must be chosen from Group D
- at least two (2) must be chosen from Group E
- at least three (3) must be chosen from Group F
- up to four (4) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

To be awarded the Certificate III in Civil Construction (Pipe Laying) the following packaging rules apply:

Total number of units = 26

8 core units plus

18 elective units, of which:

- ten (10) must be chosen from Group G
- at least one (1) must be chosen from Group H
- at least three (3) must be chosen from Group I
- up to three (3) may be chosen from the electives below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

To be awarded the Certificate III in Civil Construction (Road Construction and Maintenance) the following packaging rules apply:

Total number of units = 26

8 core units plus

18 elective units, of which:

- nine (9) must be chosen from Group J
- at least two (2) must be chosen from Group K
- at least two (2) must be chosen from Group L
- up to four (4) may be chosen from the electives below, elsewhere within this training package, or from another endorsed training package, or from an accredited course
- at least five (5) of the eighteen (18) elective units chosen must be road construction and maintenance (RIICRC) units.

To be awarded the Certificate III in Civil Construction (Road Marking) the following packaging rules apply:

Total number of units = 23

8 core units plus

15 elective units, of which:

- four (4) must be chosen from Group M
- at least one (1) must be chosen from Group N
- at least six (6) must be chosen from Group O
- up to three (3) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course
- at least seven (7) of the fifteen (15) elective units chosen must be road marking (RIICRM) units.

To be awarded the Certificate III in Civil Construction (Tunnel Construction) the following packaging rules apply:

Total number of units = 26

8 core units plus

18 elective units, of which:

- at least five (5) must be chosen from Group P
- at least six (6) must be chosen from Group Q
- at least two (2) must be chosen from Group R
- up to four (4) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course
- at least two (2) of the eighteen (18) elective units chosen must be tunnel construction (RIICTC) units.

To be awarded the Certificate III in Civil Construction (Timber Bridge Construction and Maintenance) the following packaging rules apply:

Total number of units = 29

8 core units plus

21 elective units, of which:

- twelve (12) must be chosen from Group S
- at least two (2) must be chosen from Group T
- at least two (2) must be chosen from Group U
- up to four (4) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

To be awarded the Certificate III in Civil Construction (Traffic Management) the following packaging rules apply:

Total number of units = 25

8 core units plus

17 elective units, of which:

- eight (8) must be chosen from Group V
- at least four (4) must be chosen from Group W
- at least three (3) must be chosen from Group X
- up to two (2) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

To be awarded the Certificate III in Civil Construction (General) the following packaging rules apply:

Total number of units = 25

8 core units plus

17 elective units, of which:

- at least four (4) must be chosen from one of Groups YA-YK
- at least ten (10) must be chosen from Group Z
- up to three (3) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course
- at least five (5) of the seventeen (17) elective units chosen must have a numerical code beginning with 3.

<i>Core units of competency</i>	
Unit code	Unit title
RIIBEF201E	Plan and organise work

RIICCM201E	Carry out measurements and calculations
RIICCM203E	Read and interpret plans and job specifications
RIICOM201E	Communicate in the workplace
RIIRIS301E	Apply risk management processes
RIISAM203E	Use hand and power tools
RIISAM204E	Operate small plant and equipment
RIIWHS201E	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A Asphalt Surfacing</i>	
RIICBS202E	Hand spread asphalt
RIICBS301E	Conduct profile planer operations
RIICBS302E	Conduct paver screeding operations
RIICBS303E	Conduct materials transfer vehicle operations
RIICBS304E	Compact asphalt with rollers
RIICBS305E	Conduct asphalt paver operation
RIICBS311E	Produce asphalt products
RIICBS313	Conduct tack coat spraying operations
RIICCM207E	Spread and compact materials manually
<i>Group B Spray Sealing</i>	
RIICBS306E	Conduct micro surfacing operations
RIICBS307E	Conduct bitumen sprayer operations
RIICBS308E	Load aggregate using purpose built loaders
RIICBS309E	Conduct self-propelled aggregate spreader operations
RIICBS312E	Conduct bitumen tanker operations
RIICBS314	Conduct aggregate spreader box operations
RIICBS315	Roll aggregate in sprayed sealing operations
RIICBS402E	Supervise the application of bituminous sprayed treatments
<i>Group C Bituminous Surfacing (General)</i>	
BSBOPS301	Deliver and monitor a service to customers
BSBOPS402	Coordinate business operational plans
BSBTWK301	Use inclusive work practices
BSBXTW301	Work in a team
RIICBS203E	Safely handle bituminous materials
RIICBS207E	Take samples of road surfacing materials
RIICBS310E	Conduct patching operations
RIICBS316	Conduct pavement sweeping operations
RIICBS317	Conduct road maintenance operations
RIICCM205F	Carry out manual excavation
RIIIMG301E	Maintain site records
RIIRIS202E	Respond to site based spills
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIVEH304E	Conduct tip truck operations
RIIWHS302E	Implement traffic management plans

<i>Group D Bridge Construction and Maintenance (Specialisation Core)</i>	
RIICCM202E	Identify, locate and protect underground services
RIICCM205F	Carry out manual excavation
RIICCM206E	Support plant operations
RIICCM207E	Spread and compact materials manually
RIICCM208E	Carry out basic levelling
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS204E	Work safely at heights
RIIWMG203E	Drain and dewater civil construction sites
<i>Group E Bridge Construction and Maintenance (Technical)</i>	
RIICBM301E	Maintain concrete bridges
RIICBM302E*	Install pre-cast girders
RIICBM303E	Install pre-cast parapets
RIICBM304E	Operate bridge inspection units
RIICBM305E*	Install pre-cast concrete bridge decks
RIICBM306E	Undertake concreting work on concrete bridges
RIICBM307E	Construct formwork and false work on concrete bridges
<i>Group F Bridge Construction and Maintenance (General)</i>	
BSBTWK301	Use inclusive work practices
CPCCCM2007*	Use explosive power tools
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A*	Licence to perform rigging basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
CPCCSF2004*	Place and fix reinforcement materials
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
RIICBM201E	Strip pile heads
RIICCM209E	Carry out concrete work
RIICCM210E	Install trench support
RIICCM211E	Construct and dismantle fences and gates
RIICRC201E	Repair potholes
RIICRC208E	Lay pipes
RIIHAN208E	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN302D	Conduct intermediate scaffolding operations
RIIIMG301E	Maintain site records
RIIRIS201E	Conduct local risk control
RIIRIS202E	Respond to site based spills
RIISAM205E	Cut, weld and bend materials
RIIWHS202E	Enter and work in confined spaces
RIIWHS205E	Control traffic with stop-slow bat
RIIWHS302E	Implement traffic management plans
RIIWMG301E	Control construction site water tables

TLILIC0003	Licence to operate a forklift truck
<i>Group G Pipe Laying (Specialisation Core)</i>	
RIICCM202E	Identify, locate and protect underground services
RIICCM205F	Carry out manual excavation
RIICCM206E	Support plant operations
RIICCM207E	Spread and compact materials manually
RIICCM208E	Carry out basic levelling
RIICCM210E	Install trench support
RIICRC208E	Lay pipes
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWH5302E	Implement traffic management plans
RIIWMG203E	Drain and dewater civil construction sites
<i>Group H Pipe Laying (Technical)</i>	
RIICPL301E	Install water mains pipelines
RIICPL302E	Install stormwater systems
RIICPL303E	Install sewer pipelines
<i>Group I Pipe Laying (General)</i>	
BSBTWK301	Use inclusive work practices
CPCCCM2007*	Use explosive power tools
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A*	Licence to perform rigging basic level
PMBWELD302	Electrofusion weld polyethylene pipelines
RIICCM209E	Carry out concrete work
RIICCM211E	Construct and dismantle fences and gates
RIICPL304E	Install pre-cast gully pits
RIICPL305E	Install pre-cast access chambers
RIICRC201E	Repair potholes
RIICRC203E	Install sub-soil drainage
RIICRC209E	Lay reinforced concrete box culverts
RIICRC301E	Maintain drainage systems
RIIHAN208E	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIIMG301E	Maintain site records
RIIMPO327E	Conduct pipe layer operations
RIIRIS201E	Conduct local risk control
RIIRIS202E	Respond to site based spills
RIISAM205E	Cut, weld and bend materials
RIIWH5202E	Enter and work in confined spaces
RIIWH5204E	Work safely at heights
RIIWH5205E	Control traffic with stop-slow bat
RIIWMG301E	Control construction site water tables
<i>Group J Road Construction and Maintenance (Specialisation Core)</i>	
RIICCM202E	Identify, locate and protect underground services

RIICCM205F	Carry out manual excavation
RIICCM206E	Support plant operations
RIICCM207E	Spread and compact materials manually
RIICCM208E	Carry out basic levelling
RIICRC201E	Repair potholes
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWH302E	Implement traffic management plans
RIIWMG203E	Drain and dewater civil construction sites
<i>Group K Road Construction and Maintenance (Technical)</i>	
RIICRC301E	Maintain drainage systems
RIICRC302E	Place and form concrete kerb, channel and fixtures
RIICRC303E	Lay pavers
RIICRC304E	Maintain sealed roads
RIICRC305E	Conduct road construction paver screeding operations
RIICRC306E	Conduct earthworks
RIICRC307E	Conduct road pavement construction
RIICRC309E	Conduct stabiliser operations
RIICRC311E	Conduct concrete road paver operations
RIICRC312E	Setup and maintain concrete paver stringlines
RIICRC313E	Conduct concrete road curing and texturing operations
RIICRC314E	Handle concrete materials
RIICRC315E	Use concreting materials and equipment
RIICRC316E	Place and compact concrete
RIICRC317E	Finish concrete pavements
RIICRC318E	Cure concrete
RIICRC319E	Saw and cut concrete pavements to initiate planned cracks
RIICRC320E	Seal concrete pavements
RIICRC321E	Use automated paving guidance systems
RIICRC322E	Receive, check and record concrete deliveries
RIICRC323E	Insert tie bars in fresh concrete
<i>Group L Road Construction and Maintenance (General)</i>	
BSBTWK301	Use inclusive work practices
CPCCCM2007*	Use explosive power tools
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A*	Licence to perform rigging basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
CPCCSF2004*	Place and fix reinforcement materials
FWPCOT2239	Trim and cut felled trees
FWPFGM3212	Fall trees manually (intermediate)
RIICBS202E	Hand spread asphalt
RIICBS203E	Safely handle bituminous materials
RIICBS301E	Conduct profile planer operations
RIICCM209E	Carry out concrete work
RIICCM210E	Install trench support

RIICCM211E	Construct and dismantle fences and gates
RIICPL302E	Install stormwater systems
RIICPL304E	Install pre-cast gully pits
RIICPL305E	Install pre-cast access chambers
RIICRC202E	Install signs
RIICRC203E	Install sub-soil drainage
RIICRC204E	Install and maintain roadside fixtures
RIICRC205E	Install utility poles
RIICRC206E	Install pre-cast concrete crash barriers
RIICRC207E	Install noise barriers
RIICRC208E	Lay pipes
RIICRC209E	Lay reinforced concrete box culverts
RIIHAN201E	Operate a forklift
RIIHAN208E	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN307E	Operate a vehicle loading crane
RIIIMG301E	Maintain site records
RIIRIS201E	Conduct local risk control
RIIRIS202E	Respond to site based spills
RIISAM205E	Cut, weld and bend materials
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bat
RIIWMG301E	Control construction site water tables
TLID3011	Conduct specialised forklift operations
TLILIC0003	Licence to operate a forklift truck
<i>Group M Road Marking (Specialisation Core)</i>	
RIICRM202E	Handle and store road marking materials
RIICRM204E	Prepare surfaces for road marking
RIIIMG301E	Maintain site records
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials
<i>Group N Road Marking (Technical)</i>	
RIICRM301E	Conduct ride on road marking operations
RIICRM302E	Conduct long line road marking operations
RIICRM303E	Conduct thermo plastic road marking operations
<i>Group O Road Marking (General)</i>	
BSBTWK301	Use inclusive work practices
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A*	Licence to perform rigging basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
RIICCM205F	Carry out manual excavation
RIICCM206E	Support plant operations
RIICCM208E	Carry out basic levelling

RIICCM209E	Carry out concrete work
RIICRC202E	Install signs
RIICRM201F	Escort mobile works
RIICRM203E	Conduct pedestrian road marking operations
RIICRM205E	Conduct road marking measuring operations
RIICRM206E	Conduct airless and atomised spraying operations
RIICRM207E	Install raised pavement markers
RIIHAN201E	Operate a forklift
RIIHAN208E	Perform dogging
RIIHAN301E	Operate elevating work platform
RIIHAN307E	Operate a vehicle loading crane
RIIRIS201E	Conduct local risk control
RIIRIS202E	Respond to site based spills
RIISAM205E	Cut, weld and bend materials
RIIWS204E	Work safely at heights
RIIWS205E	Control traffic with stop-slow bat
RIIWS302E	Implement traffic management plans
TLILIC0003	Licence to operate a forklift truck
<i>Group P Tunnel Construction (Specialisation Core)</i>	
RIICCM202E	Identify, locate and protect underground services
RIICCM205F	Carry out manual excavation
RIICCM206E	Support plant operations
RIICCM207E	Spread and compact materials manually
RIICCM208E	Carry out basic levelling
RIICRC203E	Install sub-soil drainage
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWMG203E	Drain and dewater civil construction sites
<i>Group Q Tunnel Construction (Technical)</i>	
RIIBLA303E	Conduct underground development shotfiring
RIICCM211E	Construct and dismantle fences and gates
RIICFW302E	Install temporary and permanent rock anchors
RIICFW303E	Install primary ground supports
RIICRC301E	Maintain drainage systems
RIICTC301E	Install tunnelling constructions services
RIICTC302E	Line tunnels
RIICTC303E	Excavate tunnel by machine
RIICTC304E	Muck out tunnel earthworks
RIICTC305E	Construct portals
RIICTC306	Conduct tunnel boring machine operations
RIIHAN301E	Operate elevating work platform
RIIUND310E	Apply shotcrete underground
<i>Group R Tunnel Construction (General)</i>	
BSBTWK301	Use inclusive work practices
CPCCCM2007*	Use explosive power tools

CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A*	Licence to perform rigging basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
RIIBLA202F	Support underground shotfiring operations
RIIBLA205E	Store, handle and transport explosives
RIICCM209E	Carry out concrete work
RIICCM210E	Install trench support
RIICCM211E	Construct and dismantle fences and gates
RIICRC201E	Repair potholes
RIICRC208E	Lay pipes
RIIHAN208E	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201E	Conduct local risk control
RIIRIS202E	Respond to site based spills
RIISAM205E	Cut, weld and bend materials
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
RIIWHS205E	Control traffic with stop-slow bat
RIIWHS302E	Implement traffic management plans
TLILIC0003	Licence to operate a forklift truck
<i>Group S Timber Bridge Construction and Maintenance (Specialisation Core)</i>	
RIICCM202E	Identify, locate and protect underground services
RIICCM205F	Carry out manual excavation
RIICCM206E	Support plant operations
RIICCM210E	Install trench support
RIICTB201E	Maintain timber bridges
RIICTB301E	Undertake visual inspections
RIICTB302E	Install temporary support members
RIICTB304E	Install or replace sub-structure members
RIICTB305E	Install or replace super-structure members
RIICTB306E	Splice and connect timber members
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIIWHS204E	Work safely at heights
<i>Group T Timber Bridge Construction and Maintenance (Technical)</i>	
RIICBM304E	Operate bridge inspection units
RIICBM307E	Construct formwork and false work on concrete bridges
RIICCM211E	Construct and dismantle fences and gates
RIICFW304E	Conduct pile driving operations
RIICFW306E	Direct pile driving operations
RIICTB303E	Erect temporary modular support systems (baileys) on existing bridges
RIICTB307E	Assemble and disassemble temporary modular bridges
RIICTB308E	Install or replace truss members

RIICTB309E	Construct, maintain and remove coffer dams
RIICTB310E	Construct specialised timber deck systems
RIIHAN302D	Conduct intermediate scaffolding operations
RIIWH302E	Implement traffic management plans
<i>Group U Timber Bridge Construction and Maintenance (General)</i>	
BSBTWK301	Use inclusive work practices
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A*	Licence to perform rigging basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
FWPCOT2239	Trim and cut felled trees
RIICCM207E	Spread and compact materials manually
RIICCM208E	Carry out basic levelling
RIICCM209E	Carry out concrete work
RIICTB202E	Apply bridge durability treatments
RIICTB203E	Produce bridge drawings and sketches
RIIHAN208E	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIRIS201E	Conduct local risk control
RIIRIS202E	Respond to site based spills
RIISAM205E	Cut, weld and bend materials
RIIWH302E	Enter and work in confined spaces
RIIWH305E	Control traffic with stop-slow bat
RIIWMG203E	Drain and dewater civil construction sites
TLILIC0003	Licence to operate a forklift truck
<i>Group V Traffic Management (Specialisation Core)</i>	
FBPOPR1010	Carry out manual handling tasks
RIIRIS201E	Conduct local risk control
RIIRTM203E	Work as a safety observer/spotter
RIISTD201E	Read and interpret maps
RIIVEH201E	Operate a light vehicle
RIIWH305E	Control traffic with stop-slow bat
RIIWH302E	Implement traffic management plans
TLIE3004	Prepare workplace documents
<i>Group W Traffic Management (Technical)</i>	
RIICRM201F	Escort mobile works
RIICWD503E	Prepare traffic management plans and traffic guidance schemes
RIIRTM201E	Position, set-up and operate variable message signs
RIIRTM202E	Position, set-up and operate portable traffic signals
RIIRTM301E	Operate truck or trailer mounted attenuators
RIIWH3026	Control traffic with portable traffic control devices and temporary traffic signs
RIIWH303	Position, set up and program portable traffic control devices
RIIWH304*	Implement traffic management plans on high volume roads
RIIWH305*	Implement traffic management plans on motorways and freeways

<i>Group X Traffic Management (General)</i>	
BSBSUS211	Participate in sustainable work practices
BSBTWK301	Use inclusive work practices
HLTAID003	Provide first aid
RIIBEF202E	Identify and rectify site operating problems
RIIBEF301D	Run on-site operations
RIIBEF402D	Supervise on-site operations
RIICCM206E	Support plant operations
RIICRC202E	Install signs
RIICRC206E	Install pre-cast concrete crash barriers
RIIGOV201E	Comply with site work processes/procedures
RIIGOV401E	Apply, monitor and report on compliance systems
RIIHAN201E	Operate a forklift
RIIQUA201E	Maintain and monitor site quality standards
RIIRIS402E	Carry out the risk management process
TAEDEL301	Provide work skill instruction
TLIE2007	Use communications systems
TLIL1001	Complete workplace orientation/induction procedures
<i>Group YA General – Asphalt Surfacing</i>	
RIICBS202E	Hand spread asphalt
RIICBS207E	Take samples of road surfacing materials
RIICBS301E	Conduct profile planer operations
RIICBS302E	Conduct paver screeding operations
RIICBS304E	Compact asphalt with rollers
RIICBS305E	Conduct asphalt paver operation
RIICBS310E	Conduct patching operations
RIICBS311E	Produce asphalt products
RIICBS317	Conduct road maintenance operations
RIICBS203E	Safely handle bituminous materials
<i>Group YB General – Spray Sealing</i>	
RIICBS203E	Safely handle bituminous materials
RIICBS303E	Conduct materials transfer vehicle operations
RIICBS306E	Conduct micro surfacing operations
RIICBS307E	Conduct bitumen sprayer operations
RIICBS308E	Load aggregate using purpose built loaders
RIICBS309E	Conduct self-propelled aggregate spreader operations
RIICBS312E	Conduct bitumen tanker operations
RIICBS313	Conduct tack coat spraying operations
RIICBS314	Conduct aggregate spreader box operations
RIICBS315	Roll aggregate in sprayed sealing operations
RIICBS316	Conduct pavement sweeping operations
<i>Group YC General – Concrete Bridge Construction</i>	
RIICBM201E	Strip pile heads
RIICBM301E	Maintain concrete bridges
RIICBM302E*	Install pre-cast girders

RIICBM303E	Install pre-cast parapets
RIICBM304E	Operate bridge inspection units
RIICBM305E*	Install pre-cast concrete bridge decks
RIICBM306E	Undertake concreting work on concrete bridges
RIICBM307E	Construct formwork and false work on concrete bridges
<i>Group YD General – Foundations</i>	
RIICFW301E	Construct underpinning
RIICFW302E	Install temporary and permanent rock anchors
RIICFW303E	Install primary ground supports
RIICFW304E	Conduct pile driving operations
RIICFW305E	Conduct cast in-situ pilings operations
RIICFW306E	Direct pile driving operations
RIICFW307E	Direct cast in-situ piling operations
RIICFW308	Conduct screw piling operations
<i>Group YE General – Pipe Laying</i>	
RIICPL301E	Install water mains pipelines
RIICPL302E	Install stormwater systems
RIICPL303E	Install sewer pipelines
RIICPL304E	Install pre-cast gully pits
RIICPL305E	Install pre-cast access chambers
RIICRC208E	Lay pipes
RIICRC209E	Lay reinforced concrete box culverts
RIICRC301E	Maintain drainage systems
<i>Group YF General – Road Marking</i>	
RIICRM201F	Escort mobile works
RIICRM202E	Handle and store road marking materials
RIICRM203E	Conduct pedestrian road marking operations
RIICRM204E	Prepare surfaces for road marking
RIICRM205E	Conduct road marking measuring operations
RIICRM206E	Conduct airless and atomised spraying operations
RIICRM207E	Install raised pavement markers
RIICRM301E	Conduct ride on road marking operations
RIICRM302E	Conduct long line road marking operations
RIICRM303E	Conduct thermo plastic road marking operations
<i>Group YG General – Timber Bridge Construction</i>	
RIICTB201E	Maintain timber bridges
RIICTB202E	Apply bridge durability treatments
RIICTB203E	Produce bridge drawings and sketches
RIICTB301E	Undertake visual inspections
RIICTB302E	Install temporary support members
RIICTB303E	Erect temporary modular support systems (baileys) on existing bridges
RIICTB304E	Install or replace sub-structure members
RIICTB305E	Install or replace super-structure members
RIICTB306E	Splice and connect timber members
RIICTB307E	Assemble and disassemble temporary modular bridges

RIICTB308E	Install or replace truss members
RIICTB309E	Construct, maintain and remove coffer dams
RIICTB310E	Construct specialised timber deck systems
<i>Group YH General – Trenchless Technology</i>	
RIICTT301E	Conduct fluid assisted directional boring
RIICTT302E	Conduct impact moling, ramming and augering operations
RIICTT303E	Control micro tunnelling and pipe-jacking operations
RIICTT304E	Undertake on-line replacement for existing pipeline systems
RIICTT305E	Undertake localised repair and sealing of existing pipeline systems
RIICTT306E	Install cure in-place linings for existing pipeline systems
RIICTT307E	Spray linings for existing pipeline systems
RIICTT308E	Install close-fit linings for existing pipeline systems
RIICTT309E	Install slip lining in existing pipeline systems
RIICTT310E	Renovate large diameter pipes and chambers
RIIOGF302E	Operate drilling fluids and mud pits
RIIOGN303E	Operate, monitor and maintain mud systems
<i>Group YI General – Tunnelling</i>	
RIICTC301E	Install tunnelling constructions services
RIICTC302E	Line tunnels
RIICTC303E	Excavate tunnel by machine
RIICTC304E	Muck out tunnel earthworks
RIICTC305E	Construct portals
RIICTC306	Conduct tunnel boring machine operations
<i>Group YJ General – Traffic Management</i>	
RIIBEF301D	Run on-site operations
RIICWD503E	Prepare traffic management plans and traffic guidance schemes
RIIRIS402E	Carry out the risk management process
RIIRTM201E	Position, set-up and operate variable message signs
RIIRTM202E	Position, set-up and operate portable traffic signals
RIIRTM301E	Operate truck or trailer mounted attenuators
RIIWH5206	Control traffic with portable traffic control devices and temporary traffic signs
RIIWH5303	Position, set up and program portable traffic control devices
RIIWH5304*	Implement traffic management plans on high volume roads
RIIWH5305*	Implement traffic management plans on motorways and freeways
<i>Group YK General – Utilities</i>	
ICTCBL334	Install underground enclosures and conduit
PMBWELD301	Butt weld polyethylene plastic pipelines
PMBWELD302	Electrofusion weld polyethylene pipelines
RIICCM202E	Identify, locate and protect underground services
RIICPL301E	Install water mains pipelines
RIICPL303E	Install sewer pipelines
RIICRC203E	Install sub-soil drainage
RIIHAN308F	Load and unload plant
RIIMPO320F	Conduct civil construction excavator operations

RIIWMG203E	Drain and dewater civil construction sites
<i>Group Z General – General and Other Units</i>	
BSBOPS301	Deliver and monitor a service to customers
BSBOPS402	Coordinate business operational plans
BSBTWK301	Use inclusive work practices
BSBXTW301	Work in a team
CPCCCM2007*	Use explosive power tools
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A*	Licence to perform rigging basic level
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
CPCCSF2004*	Place and fix reinforcement materials
FWPCOT2239	Trim and cut felled trees
FWPFGM3212	Fall trees manually (intermediate)
RIIBLA201E	Support shotfiring operations
RIIBLA202F	Support underground shotfiring operations
RIIBLA205E	Store, handle and transport explosives
RIIBLA301E	Conduct surface shotfiring operations
RIIBLA303E	Conduct underground development shotfiring
RIICCM202E	Identify, locate and protect underground services
RIICCM205F	Carry out manual excavation
RIICCM206E	Support plant operations
RIICCM207E	Spread and compact materials manually
RIICCM208E	Carry out basic levelling
RIICCM209E	Carry out concrete work
RIICCM210E	Install trench support
RIICCM211E	Construct and dismantle fences and gates
RIICRC201E	Repair potholes
RIICRC202E	Install signs
RIICRC203E	Install sub-soil drainage
RIICRC204E	Install and maintain roadside fixtures
RIICRC205E	Install utility poles
RIICRC206E	Install pre-cast concrete crash barriers
RIICRC207E	Install noise barriers
RIICRC302E	Place and form concrete kerb, channel and fixtures
RIICRC303E	Lay pavers
RIICRC304E	Maintain sealed roads
RIICRC305E	Conduct road construction paver screeding operations
RIICRC306E	Conduct earthworks
RIICRC307E	Conduct road pavement construction
RIIHAN201E	Operate a forklift
RIIHAN208E	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN307E	Operate a vehicle loading crane
RIIHAN308F	Load and unload plant

RIIHAN309F	Conduct telescopic materials handler operations
RIIMG301E	Maintain site records
RIIMPO318F	Conduct civil construction skid steer loader operations
RIIMPO334E	Conduct skid steer loader operations using attachments
RIIMPO339A	Conduct side tipper operations
RIIRIS201E	Conduct local risk control
RIIRIS202E	Respond to site based spills
RIIRTM203E	Work as a safety observer/spotter
RIISAM205E	Cut, weld and bend materials
RIIWS202E	Enter and work in confined spaces
RIIWS204E	Work safely at heights
RIIWS205E	Control traffic with stop-slow bat
RIIWS302E	Implement traffic management plans
RIIWMG203E	Drain and dewater civil construction sites
RIIWMG301E	Control construction site water tables
TLID3011	Conduct specialised forklift operations
TLILIC0003	Licence to operate a forklift truck

*Note the following prerequisite unit requirements.

UNIT IN THIS QUALIFICATION	PREREQUISITE UNITS
CPCCCM2007 Use explosive power tools	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCCLRG3001A Licence to perform rigging – basic level	CPCCLDG3001A Licence to perform dogging
CPCCSF2004 Place and fix reinforcement materials	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
RIICBM302E Install pre-cast girders	CPCCLDG3001A Licence to Perform Dogging
RIICBM305E Install pre-cast concrete bridge decks	CPCCLDG3001A Licence to Perform Dogging
RIIWS304 Implement traffic management plans on high volume roads	RIIWS302E Implement traffic management plans
RIIWS305 Implement traffic management plans on motorways and freeways	RIIWS302E Implement traffic management plans

RII32020 - Certificate III in Drilling Oil & Gas (Onshore) (Release 2)

Packaging Rules

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

Total units = 14

10 core units, plus

4 elective units, of which:

- at least two (2) units must be chosen from Group A
- no more than one (1) unit may be chosen from elsewhere within this training package, or from another endorsed training package or accredited course.

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

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	
Unit code	Unit title
BSBFLM303	Contribute to effective workplace relationships
BSBWH301	Maintain workplace safety
MSMPER200	Work in accordance with an issued permit
RIIENV201E	Identify and assess environmental and heritage concerns
RIIERR302E	Respond to local emergencies and incidents
RIIOGD209F	Operate and maintain ancillary equipment
RIIOGD302F	Assist in running casing
RIIOGD303F	Trip pipe
RIIOGN302F	Operate mud pumps
RIIOGN303E	Operate, monitor and maintain mud systems
Elective	
Group A	
Unit code	Unit title
RIIOGD203F	Prepare and operate drilling fluid systems
RIIOGD301E	Conduct and maintain derrick operations
RIIOGD304D	Apply effective coal seam gas control practices
RIIOGD305E	Apply blow out prevention operational procedures
Group B	
Unit code	Unit title
PMASUP236	Operate vehicles in the field
RIIHAN309F	Conduct telescopic materials handler operations

RIIMPO304E	Conduct wheel loader operations
RIINHB220	Assist coil tube drilling
RIIRIS301E	Apply risk management processes
RIISAM204E	Operate small plant and equipment
RIIVEH305F	Operate and maintain a four wheel drive vehicle
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
TAEDEL301	Provide work skill instruction

RII32220 - Certificate III in Well Servicing Operations (Release 2)

Packaging Rules

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

Total number of units = 14

8 core units plus

6 elective units, of which:

- at least two (2) units must be chosen from Group A
- at least two (2) units 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 accredited course.

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

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. 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.

Core units of competency	
Unit code	Unit title
BSBFLM303	Contribute to effective workplace relationships
BSBWHS301	Maintain workplace safety
MSMPER200	Work in accordance with an issued permit
RIIENV201E	Identify and assess environmental and heritage concerns
RIIERR302E	Respond to local emergencies and incidents
RIIOGD209F	Operate and maintain ancillary equipment
RIIWSV302E	Trip production string for well servicing operations
RIIWSV303E	Operate fluid systems
Electives	
Group A	
Unit code	Unit title
RIIOGD304D	Apply effective coal seam gas control practices
RIIOGD305E	Apply blow out prevention operational procedures
RIIWSV203E	Prepare equipment for well servicing air operations
RIIWSV301F	Conduct and maintain well servicing derrick operations
RIIWSV304E	Prepare well servicing fishing operations

Group B	
Unit code	Unit title
PMASUP236	Operate vehicles in the field
RIICOM301E	Communicate information
RIIHAN307E	Operate a vehicle loading crane
RIIHAN309F	Conduct telescopic materials handler operations
RIIRIS301E	Apply risk management processes
RIISAM209E	Carry out operational maintenance
RIIVEH305F	Operate and maintain a four wheel drive vehicle
RIIWS202E	Enter and work in confined spaces
RIIWS204E	Work safely at heights
RIIWS301E	Conduct safety and health investigations
TAEDEL301	Provide work skill instruction

RII30420 - Certificate III in Resource Processing (Release 1)

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

4 core units plus

9 elective units, of which:

- 1 must be from Group A
- at least 6 must be from Group B
- no more than 2 may be from Group C
- no more than 2 may be from elsewhere in this or any other currently endorsed training package, or from an accredited course.

Elective units must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid industry-supported vocational outcome.

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. 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.

Core units of competency	
Unit code	Unit title
RIICOM201E	Communicate in the workplace
RIIENV201E	Identify and assess environmental and heritage concerns
RIIRIS301E	Apply risk management processes
RIIWHS201E	Work safely and follow WHS policies and procedures
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
MSMPER200	Work in accordance with an issued permit
MSMPER300*	Issue work permits
RIIGOV201E	Comply with site work processes/procedures
RIIQUA201E	Maintain and monitor site quality standards

<i>Group B</i>	
Unit code	Unit title
MSL943003	Work safely with instruments that emit ionising radiation
PMAOPS338	Communicate and monitor pipeline activities
PMAOPS342	Conduct pipeline pigging
PMAOPS343	Transfer bulk fluids into/out of storage facility
PPMSTM320	Manage steam boiler start up
PPMSTM330	Shut down and bank steam boiler
RIICOM301E	Communicate information
RIIERR302E	Respond to local emergencies and incidents
RIIHAN309F	Conduct telescopic materials handler operations
RIIHAN311F	Conduct operations with integrated tool carrier
RIIMCP301D	Monitor plant operations for coal preparation
RIIMPG301D	Control and monitor automated plant/machinery
RIIMPO301E	Conduct hydraulic excavator operations
RIIMPO304E	Conduct wheel loader operations
RIIMPO305F	Conduct coal stockpile dozer operations
RIIMPO306D	Operate plant/machinery on live stockpiles
RIIMPO308F	Conduct tracked dozer operations
RIIMPO309F	Conduct wheeled dozer operations
RIIMPO310F	Conduct grader operations
RIIMPO319E	Conduct backhoe/loader operations
RIIMPO331E	Conduct operations with stockpile dozer
RIIMPO334E	Conduct skid steer loader operations using attachments
RIIMPO335E	Conduct skid steer loader operations without attachments
RIIMPO336E	Conduct belly dump truck operations
RIIMPO337E	Conduct articulated haul truck operations
RIIMPO338E	Conduct rigid haul truck operations
RIIPBE301D	Conduct calcinations activities
RIIPBE302D	Conduct bacterial oxidation
RIIPBE303D	Conduct filtering process
RIIPBE304D	Conduct heavy media separation
RIIPBE305D	Conduct high tension separation
RIIPBE306D	Conduct leaching process
RIIPBE308D	Conduct thickening and clarifying process
RIIPBE309D	Conduct wet gravity separation
RIIPBE310D	Conduct flotation process
RIIPBE311D	Conduct magnetic separation
RIIPEO201E	Conduct conveyor operations
RIIPEO203D	Conduct stacker operations
RIIPEO205D	Conduct ship loading operations
RIIPEO302E	Operate and monitor ore car dumpers
RIIPGP201D	Conduct pump operations
RIIPGP202D	Handle reagents
RIIPGP301D	Conduct drying activities

RIIPGP302D	Monitor and operate auxiliary plant and equipment
RIIPHA301D	Conduct milling/grinding
RIIPHA302D	Operate and monitor filter processes
RIIPRE301D	Conduct electrowinning/electro-refining operations
RIIPRE302D	Conduct elution processes
RIIPRE303D	Conduct gold room operations
RIIPRO301D	Conduct crushing and screening plant operations
RIIPRO302D	Perform process control room operations
RIIPSM302D	Cast ingots
RIIPSM304D	Operate furnaces
RIISAM202E	Isolate and access plant
RIISRM301E	Blend stockpile materials
RIISRM302E	Conduct stockpile reclaiming operations
RIISRM304E	Maintain stockpiles
RIIWBP203E	Monitor tailings dam environments
RIIWHS301E	Conduct safety and health investigations
RIIWMG302D	Reclaim and treat water
UEPOPS316	Operate and monitor boiler steam/water cycle
<i>Group C</i>	
Unit code	Unit title
BSBINS309	Maintain business records
BSBTWK301	Use inclusive work practices
MSMWHS201	Conduct hazard analysis
PMAOPS202	Operate fluid mixing equipment
PMAOPS205	Operate heat exchangers
PMAOPS208	Operate chemical separation equipment
PMAOPS223	Operate and monitor valve systems
PMAOPS230	Monitor, operate and maintain pipeline stations and equipment
PMAOPS246	Operate separation equipment
PMAOPS247	Operate powered separation equipment
RIIERR205D	Apply initial response First Aid
RIIERR301E	Respond to work site incidents
RIIERR303E	Operate in self-contained regenerative oxygen breathing apparatus
RIIERR308E	Extricate and transport people involved in incidents
RIIHAN305D	Operate a gantry or overhead crane
RIIHAN307E	Operate a vehicle loading crane
RIIMCP202D	Conduct rail dispatch operations
RIIMEX203D	Break oversize rock
RIIMPO206D	Conduct bulk water truck operations
RIIMPO208F	Operate support equipment
RIIPBE201D	Conduct aeration process
RIIPBE202D	Conduct digestion process
RIIPBE203D	Conduct precipitation operations
RIIPBE204D	Conduct reduction process
RIIPEO204D	Conduct shore side mooring operations

RIIPGP203D	Operate compressors
RIIPHA201D	Operate raw material feed systems
RIIPRO202D	Conduct screening and conveying operations
RIIPRO204D	Bulk package and store product
RIIPRO205D	Conduct blending plant operations
RIIRIS202E	Respond to site based spills
RIISAM301F	Test operational functions of vehicles and equipment
RIISAM304E	Install, commission and maintain major conveyor equipment and systems
RIISTD301D	Take environmental samples and measurements
RIIVEH201E	Operate a light vehicle
RIIVEH302E	Operate multi-combination vehicle
RIIVEH304E	Conduct tip truck operations
RIIVEH305F	Operate and maintain a four wheel drive vehicle
RIIWBP201E	Treat and dispose of rejects and tailings
RIIWBP202E	Distribute tailings
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
TLIA0003	Complete and check import/export documentation
TLILIC0002	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)
TLILIC0006	Licence to operate a bridge and gantry crane
TLILIC3018	Licence to drive a multi-combination vehicle

*Note the following prerequisite unit requirements.

<i>UNIT IN THIS QUALIFICATION</i>	<i>PREREQUISITE UNIT</i>
MSMPER300 Issue work permits	<ul style="list-style-type: none"> MSMWHS201 Conduct hazard analysis

RII21120 - Certificate II in Oil & Gas Drilling (Onshore) and Well Servicing (Release 3)

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

6 core units plus

6 elective units, of which:

- at least four (4) must be chosen from electives
- no more than two (2) 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.

Core units of competency	
Unit code	Unit title
RIICOM201E	Communicate in the workplace
RIIENV201E	Identify and assess environmental and heritage concerns
RIIERR202E	Contribute to the control of emergencies and critical situations
RIIOGN201F	Carry out rig lease operations
RIIRIS201E	Conduct local risk control
RIIWHS201E	Work safely and follow WHS policies and procedures
<i>Electives</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCLDG3001A	Licence to perform dogging
CPCCLRG3001A*	Licence to perform rigging basic level
HLTAID003	Provide first aid
MSMPER200	Work in accordance with an issued permit
MSMWHS217	Gas test atmospheres

RIIHAN208D	Perform dogging
RIIHAN209E	Perform basic rigging
RIIHAN307E	Operate a vehicle loading crane
RIIHAN309F	Conduct telescopic materials handler operations
RIIHAN311F	Conduct operations with integrated tool carrier
RIIMPO304E	Conduct wheel loader operations
RIINHB201E	Load, secure and unload drilling equipment and materials
RIIOGD202E	Carry out equipment and basic rig maintenance
RIIOGD204F	Perform rig floor operations
RIIOGD205E	Support blow out prevention operations
RIIOGD206E	Assist and monitor well control operations
RIINHB223*	Prepare, run and cement casing
RIIRIS202D	Respond to site based spills
RIISAM202E	Isolate and access plant
RIISAM209E	Carry out operational maintenance
RIIVEH201E	Operate a light vehicle
RIIVEH305F	Operate and maintain a four wheel drive vehicle
RIIWHS202E	Enter and work in confined spaces
RIIWHS204E	Work safely at heights
RIIWSV203E	Prepare equipment for well servicing air operations

*Note the following prerequisite unit requirements:

Unit in this qualification	Prerequisite unit
CPCCLRG3001A Licence to perform rigging basic level	CPCCLDG3001A Licence to perform dogging
RIINHB223 Prepare, run and cement casing	RIIOGD204F Perform rig floor operations

RII31220 - Certificate III in Civil Foundations (Release 2)

Packaging Rules

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

Total number of units = 26

15 core units plus

11 elective units, of which:

- at least five (5) must be chosen from Group A, of which at least (2) must be foundation work (RIICFW) units
- no more than five (5) may be chosen from Group B
- no more than one (1) unit 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 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.

<i>Core units of competency</i>	
Unit code	Unit title
RIIBEF201E	Plan and organise work
RIICCM201E	Carry out measurements and calculations
RIICCM202E	Identify, locate and protect underground services
RIICCM203E	Read and interpret plans and job specifications
RIICCM205F	Carry out manual excavation
RIICCM207E	Spread and compact materials manually
RIICCM208E	Carry out basic levelling
RIICOM201E	Communicate in the workplace
RIIRIS301E	Apply risk management processes
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIISAM203E	Use hand and power tools
RIISAM204E	Operate small plant and equipment
RIIWHS201E	Work safely and follow WHS policies and procedures
RIIWMG203E	Drain and dewater civil construction sites
RIIWMG301E	Control construction site water tables

<i>Electives</i>	
<i>Group A</i>	
AHCSAW301	Construct conservation earthworks
RIICCM211E	Construct and dismantle fences and gates
RIICFW301E	Construct underpinning
RIICFW302E	Install temporary and permanent rock anchors
RIICFW303E	Install primary ground supports
RIICFW304E	Conduct pile driving operations
RIICFW305E	Conduct cast in-situ pilings operations
RIICFW306E	Direct pile driving operations
RIICFW307E	Direct cast in-situ piling operations
RIICFW308	Conduct screw piling operations
RIICRC306E	Conduct earthworks
RIIHAN301E	Operate elevating work platform
RIIIMG301E	Maintain site records
RIIWHS302E	Implement traffic management plans
<i>Group B</i>	
Unit code	Unit title
AHCSAW201	Conduct erosion and sediment control activities
BSBTWK301	Use inclusive work practices
CPCCLDG3001A	Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level
RIICCM210E	Install trench support
RIIHAN208E	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIINHB202E	Set up and pack up drill sites
RIIQUA201E	Maintain and monitor site quality standards
RIIRIS201E	Conduct local risk control
RIIRIS202E	Respond to site based spills
RIISAM205E	Cut, weld and bend materials
RIISAM213E	Position and set up mobile lighting
RIIWHS202E	Enter and work in confined spaces
RIIWHS205E	Control traffic with stop-slow bat
TLILIC0005	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)

RII31619 - Certificate III in Trenchless Technology (Release 3)

Packaging Rules

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

Total number of units = 26

9 core units plus

17 elective units of which:

- up to twelve (12) must be chosen from the electives below, of which at least one (1) must be a trenchless technology (RIICTT) unit
- up to five (5) may be chosen from the electives listed below, elsewhere within this training package, or from another endorsed training package, or from an accredited course.

Elective units must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment and contribute to a valid vocational outcome.

The elective bank contains are both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. 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.

<i>Core units of competency</i>	
Unit code	Unit title
RIIBEF201D	Plan and organise work
RIICCM201D	Carry out measurements and calculations
RIICCM202E	Identify, locate and protect underground services
RIICCM203D	Read and interpret plans and job specifications
RIICOM201D	Communicate in the workplace
RIIIMG301D	Maintain site records
RIIRIS301E	Apply risk management processes
RIIWHS201D	Work safely and follow WHS policies and procedures
RIIWHS202D	Enter and work in confined spaces
<i>Electives</i>	
Unit code	Unit title
BSBDIV301	Work effectively with diversity
CPCCLDG3001A	Licence to perform dogging
CPCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level

NWPNET016	Inspect sewer or stormwater line
NWPNET017	Supervise and report on conduit inspections
RIICCM205E	Carry out manual excavation
RIICCM206D	Support plant operations
RIICCM207D	Spread and compact materials manually
RIICCM208D	Carry out basic levelling
RIICCM209D	Carry out concrete work
RIICCM210D	Install trench support
RIICCM302	Track directional boring operations
RIICCM303	Conduct vacuum excavations
RIICPL301D	Install water mains pipelines
RIICPL302D	Install stormwater systems
RIICPL303D	Install sewer pipelines
RIICPL304D	Install pre-cast gully pits
RIICRC203D	Install sub-soil drainage
RIICRC208D	Lay pipes
RIICTT301E	Conduct fluid assisted directional boring
RIICTT302E	Conduct impact moling, ramming and augering operations
RIICTT303E	Control micro tunnelling and pipe-jacking operations
RIICTT304E	Undertake on-line replacement for existing pipeline systems
RIICTT305E	Undertake localised repair and sealing of existing pipeline systems
RIICTT306E	Install cure in-place linings for existing pipeline systems
RIICTT307E	Spray linings for existing pipeline systems
RIICTT308E	Install close-fit linings for existing pipeline systems
RIICTT309E	Install slip lining in existing pipeline systems
RIICTT310E	Renovate large diameter pipes and chambers
RIIHAN208D	Perform dogging
RIIHAN211D	Conduct basic scaffolding operations
RIIHAN301E	Operate elevating work platform
RIIHAN307E	Operate a vehicle loading crane
RIIOGF302E	Operate drilling fluids and mud pits
RIIOGN303D	Operate mud systems
RIIRIS202D	Respond to site based spills
RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials
RIISAM203D	Use hand and power tools
RIISAM204D	Operate small plant and equipment
RIISAM205D	Cut, weld and bend materials
RIIWS205E	Control traffic with stop-slow bat
RIIWMG203D	Drain and dewater civil construction site
TLILIC0002	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)
TLILIC0005	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)

RII40415 - Certificate IV in Underground Coal Operations (Release 1)

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

9 core units plus

4 elective units, of which

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

<i>Core units of competency</i>	
Unit code	Unit title
RIIERR402D	Apply and monitor underground coal mine emergency preparedness and response systems
RIIMCU403D	Apply and monitor the gas management plan
RIIMCU406D	Apply and monitor the inrush management plan
RIIMCU407D	Apply and monitor the strata management plan
RIIMCU408D	Apply the spontaneous combustion management plan
RIIMEX406D	Apply and monitor mine transport system and production equipment
RIIRAI401D	Apply and monitor mine services and infrastructure systems
RIIRIS402D	Carry out the risk management processes
RIIUND401D	Apply and monitor the ventilation management plan
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIBLA202E	Support underground shotfiring operations
RIIBLA302D	Conduct shotfiring operations in underground coal mines
<i>Group B</i>	
Unit code	Unit title
RIIMCU303D	Conduct continuous miner operations
RIIMCU304D	Conduct shuttle car operations
RIIMCU305D	Conduct outburst mining operations
RIIMCU306D	Conduct shearer operations
RIIMCU307D	Conduct longwall face equipment operations

RIIMCU401D	Conduct special roadway operations
RIIMCU404E	Apply and monitor the gas drainage management plan
RIIMCU405D	Apply and monitor the outburst management plan
RIIUND304D	Recover equipment
<i>Group C</i>	
Unit code	Unit title
BSBCUS401	Coordinate implementation of customer service strategies
BSBINN301	Promote innovation in a team environment
BSBLED401	Develop teams and individuals
BSBMGT401	Show leadership in the workplace
BSBMGT402	Implement operational plan
BSBMGT403	Implement continuous improvement
BSBWHS401	Implement and monitor WHS policies, procedures and programs to meet legislative requirements
BSBWOR404	Develop work priorities
RIICOM301D	Communicate information
RIIERR403D	Lead rescue team
RIILAT402D	Provide supervision in the leadership of diverse work teams
RIIRIS403D	Managing and coordinating spill responses
RIIWHS301D	Conduct safety and health investigations

RII40215 - Certificate IV in Surface Coal Mining (Open Cut Examiner) (Release 1)

Packaging Rules

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

Total number of units = 14

9 core units plus

5 elective units, of which:

- one (1) must be chosen from Group A
- at least three (3) must be chosen from Group B
- no more than one (1) may be chosen from Group C
- no more than one (1) unit 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 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.

<i>Core units of competency</i>	
Unit code	Unit title
BSBSUS301	Implement and monitor environmentally sustainable work practices
RIIBLA205D	Store, handle and transport explosives
RIIERR401D	Apply and monitor surface operations emergency preparedness and response procedures
RIIMEX405D	Apply and monitor systems and methods of surface coal mining
RIIMPO403D	Monitor interaction of heavy and light vehicles and mining equipment
RIIRIS402D	Carry out the risk management processes
RIIWH301D	Conduct safety and health investigations
RIIWH302D	Examine and maintain mine safety
RIIWH304D	Implement and monitor health and hygiene management systems
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIBLA201D	Support shotfiring operations
RIIBLA301D	Conduct surface shotfiring operations
<i>Group B</i>	
Unit code	Unit title
RIIBHD301D	Conduct surface blast hole drilling operations
RIIMPO301D	Conduct hydraulic excavator operations
RIIMPO302D	Conduct hydraulic shovel operations
RIIMPO303D	Conduct rope shovel operations
RIIMPO304D	Conduct wheel loader operations
RIIMPO308E	Conduct tracked dozer operations
RIIMPO310D	Conduct grader operations
RIIMPO336D	Conduct belly dump truck operations

RIIMPO337D	Conduct articulated truck operations
RIIMPO338D	Conduct haul truck operations
RIIMPO312D	Conduct scraper operations
RIIMPO329D	Conduct dragline operations
<i>Group C</i>	
Unit code	Unit title
BSBCUS401	Coordinate implementation of customer service strategies
BSBINM401	Implement workplace information system
BSBINN301	Promote innovation in a team environment
BSBLED401	Develop teams and individuals
BSBMGT401	Show leadership in the workplace
BSBMGT402	Implement operational plan
BSBWOR404	Develop work priorities
RIIBLA308D	Conduct electronic blasting operations
RIICOM301D	Communicate information
RIIERR403D	Lead rescue team
RIILAT402D	Provide supervision in the leadership of diverse work teams
RIIMPO401D	Supervise mobile plant operations
RIIMPO402D	Apply the principles of earthworks construction
RIIRIS403D	Managing and coordinating spill responses
TAEASS401B	Plan assessment activities and processes
TAEASS402B	Assess competence

RII40515 - Certificate IV in Resource Processing (Release 1)

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:

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

<i>Core units of competency</i>	
Unit code	Unit title
RIICOM301D	Communicate information
RIIERR401D	Apply and monitor surface operations emergency preparedness and response systems
RIIGOV401D	Apply, monitor and report on compliance systems
RIIWHS301D	Conduct safety and health investigations
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIRIS301D	Apply risk management processes
RIIRIS402D	Carry out the risk management processes
<i>Group B</i>	
Unit code	Unit title
PMAOPS411B	Manage plant shutdown and restart
RIIRAI401D	Apply and monitor mine services and infrastructure systems
RIIWMG402D	Monitor and coordinate waste and process water treatment
<i>Group C</i>	
Unit code	Unit title
BSBCUS401	Coordinate implementation of customer service strategies
BSBINM401	Implement workplace information system
BSBINN301	Promote innovation in a team environment
BSBLED401	Develop teams and individuals
BSBMGT401	Show leadership in the workplace

BSBMGT402	Implement operational plan
BSBMGT403	Implement continuous improvement
BSBWHS401	Implement and monitor WHS policies, procedures and programs to meet legislative requirements
BSBWOR404	Develop work priorities
HLTAID003	Provide first aid
HLTAID006	Provide advanced first aid
MSL925001A	Analyse data and report results <ul style="list-style-type: none"> Prerequisite unit: MSL924001A Process and interpret data
PMASUP441C	Decommission plant
RIIERR205D	Apply initial response First Aid
RIIERR403D	Lead rescue team
RIIHAN401D	Organise and monitor wharf/terminal operations
RIIHAN402D	Process movement of containers and cargo
RIILAT402D	Provide supervision in the leadership of diverse work teams
RIIRIS403D	Managing and coordinating spill response
RIISAM403D	Commission/recommission plant
RIIWHS401D	Supervise work in confined spaces
TAEASS301B	Contribute to assessment
TAEASS401B	Plan assessment activities and processes
TAEASS402B	Assess competence
TAEASS403B	Participate in assessment validation
TAEDEL301A	Provide work skill instruction

RII40715 - Certificate IV in Civil Construction Supervision (Release 2)

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.

<i>Core units of competency</i>	
Unit code	Unit title
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
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
LGAWORK401A	Develop works maintenance schedule
LGAWORK402A	Prepare for operational works
MSL924003	Process and interpret data
MSL975031	Supervise sampling, inspections and testing at construction sites
	<ul style="list-style-type: none">• Prerequisite units:

	<ul style="list-style-type: none"> MSL954004 Obtain representative samples in accordance with sampling plan MSL973021 Conduct field-based acceptance tests for construction materials
MSL975044	Perform complex tests to measure engineering properties of materials Prerequisite units: <ul style="list-style-type: none"> MSL974026 Perform tests to determine the properties of construction materials MSL973022 Conduct laboratory-based acceptance tests for construction materials
RIIBLA401D	Manage blasting operations
RIIBLA402D	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
<i>Group B</i>	
Unit code	Unit title
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
RIICCR401D	Develop and maintain positive community relations
RIICOM301D	Communicate information
RIICWD503D	Prepare work zone traffic management plan
RIIENV401D	Supervise dust and noise control
RIIGOV401D	Apply, monitor and report on compliance systems
RIILAT402D	Provide supervision in the leadership of diverse work teams

RIIQUA401D	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
RIIWH302D	Implement traffic management plan
RIIWH401D	Supervise work in confined spaces

RII40415 - Certificate IV in Underground Coal Operations (Release 1)

Packaging Rules

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

Total number of units = 11

6 core units plus

5 elective units, of which:

- at least two (2) must be chosen from Group A
- at least two (2) must be chosen from Group B
- one (1) 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.

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. 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.

<i>Core units of competency</i>	
Unit code	Unit title
BSBMGT401	Show leadership in the workplace
BSBWHS401	Implement and monitor WHS policies, procedures and programs to meet legislative requirements
RIIBEF402D	Supervise on-site operations
RIIENV402E	Implement and monitor environmental policies
RIINHB401E	Plan and supervise the mobilisation of equipment, crew and materials
RIIRIS401E	Apply site risk management system
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIBEF401E	Manage non-routine and complex technical situations
RIIBHD401D	Supervise blast hole drilling operations
RIINHB402E	Supervise drilling operations
RIINHB403D	Supervise geotechnical drilling operations

RIINHB411E	Construct artesian (flowing) aquifer bores
RIINHB412D	Construct geothermal wells
RIIOGD405E	Carry out well control and blow out prevention operations
RIIRIS402E	Carry out the risk management process
RIISAM401E	Apply site plant, equipment and infrastructure maintenance management plans
<i>Group B</i>	
Unit code	Unit title
BSBCUS401	Coordinate implementation of customer service strategies
BSBFIM501	Manage budgets and financial plans
BSBLED401	Develop teams and individuals
BSBMGT402	Implement operational plan
BSBRKG403	Set up a business or records system for a small business
BSBSMB402	Plan small business finances
BSBSMB403	Market the small business
BSBSMB404	Undertake small business planning
BSBSMB420	Evaluate and develop small business operations
HLTAID003	Provide first aid
HLTAID006	Provide advanced first aid
RIICOM301E	Communicate information
RIIERR401E	Apply and monitor emergency preparedness and response systems in surface operations
RIIFIA401E	Manage financial records
RIILAT402E	Provide leadership in the supervision of diverse work teams
TAEASS401	Plan assessment activities and processes
TAEASS402	Assess competence
TAEASS403	Participate in assessment validation

RII40720 – Certificate IV in Civil Construction (Release 2)

Packaging Rules

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

Specialisations

The qualification has core and elective units of competency that cover the skills for the following two (2) specialisations:

Specialisation 1 – Supervision

Specialisation 2 – Operations

The core and elective unit requirements of one (1) specialisation must be met for this qualification to be awarded.

To be awarded the Certificate IV in Civil Construction (Supervision) the following packaging rules apply:

Total number of units = 12

5 core units plus

7 elective units, of which:

- at least three (3) 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.

To be awarded the Certificate IV in Civil Construction (Operations) the following packaging rules apply:

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 three (3) 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.

<i>Core units of competency</i>	
Unit code	Unit title
BSBLDR411	Demonstrate leadership in the workplace
BSBOPS402	Coordinate business operational plans
BSBWHS411	Implement and monitor WHS policies, procedures and programs to meet legislative requirements
RIICWM401E	Supervise civil works
RIIRIS401E	Apply site risk management system
<i>Elective units</i>	
<i>Group A (General Supervision)</i>	
BSBESB401	Research and develop business plans
BSBESB403	Plan finances for new business ventures
BSBESB404	Market new business ventures
BSBFIN401	Report on financial activity
BSBFIN501	Manage budgets and financial plans
BSBHRM413	Support the learning and development of teams and individuals
BSBINS402	Coordinate workplace information systems
BSBOPS404	Implement customer service strategies
BSBSTR401	Promote innovation in team environments
BSBSTR402	Implement continuous improvement
BSBSUS411	Implement and monitor environmentally sustainable work practices
BSBPEF402	Develop personal work priorities
BSBPMG424	Apply project human resources management approaches
BSBPMG427	Apply project procurement procedures
BSBPMG430	Undertake project work
LGACOM401A	Administer contracts
LGACOM402A	Arrange contracts
LGACOM409A	Prepare tender documentation
LGACOM410A	Prepare response to tenders
LGADMIN417A	Conduct community consultations
LGAWORK403A	Manage civil plant and resources
RIICCR401E	Develop and maintain positive community relations
RIICOM301E	Communicate information
RIICWD503E	Prepare traffic management plans and traffic guidance schemes

RIICWM503E	Prepare civil works cost estimates
RIICWM504E	Prepare civil works bill of quantities
RIICWM505E	Prepare civil works schedule of rates
RIIENV401E	Supervise dust and noise control
RIIENV402E	Implement and monitor environmental policies
RIIGOV401E	Apply, monitor and report on compliance systems
RIILAT402E	Provide leadership in the supervision of diverse work teams
RIIQUA401E	Apply a quality management system on site
RIIRAI402D	Apply and monitor site plant and resource management plan
RIIRIS301E	Apply risk management processes
RIIRIS403E	Manage and coordinate spill response
RIISAM401E	Apply site plant, equipment and infrastructure maintenance management plans
<i>Group B (Operations)</i>	
LGAWORK401A	Develop works maintenance schedule
LGAWORK402A	Prepare for operational works
MSL924003	Process and interpret data
MSL953003	Receive and prepare samples for testing
MSL954004	Obtain representative samples in accordance with sampling plan
MSL973013	Perform basic tests
MSL973014	Prepare working solutions
MSL973018	Prepare trial batches for evaluation
MSL973021	Conduct field-based acceptance tests for construction materials
MSL973022	Conduct laboratory-based acceptance tests for construction materials
MSL974016	Perform physical and mechanical tests
MSL974017	Prepare, standardise and use solutions
MSL974019	Perform chemical tests and procedures
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
RIIBLA301E	Conduct surface shotfiring operations
RIIBLA401E	Manage blasting operations
RIIBLA402E	Monitor and control the effects of blasting on the environment
RIICBS401E	Supervise asphalt paving and compaction operations
RIICBS402E	Supervise the application of bituminous sprayed treatments
RIICBS403E	Supervise the application of polymer modified binders
RIICBS404E	Supervise the selection and use of bituminous emulsions
RIICBS405E	Supervise micro surfacing operations
RIICBS406E	Supervise pavement profiling operations using a profiler
RIICBS407E	Supervise the manufacture and delivery of hot mix asphalt
RIICBS408E	Supervise the manufacture of cold mixes
RIICBS409E	Supervise the manufacture of polymer modified binders
RIICBS410E	Supervise the manufacture of bituminous emulsions
RIICBS411E	Supervise the manufacture of micro surfacing mixes
RIICPL401E	Supervise the installation of underground services using open excavation

RIICRC401E	Supervise flexible pavement construction
RIICRC402E	Supervise rigid pavement construction
RIICRC403E	Supervise the stabilisation of materials
RIICRC404E	Inspect and report on pavement condition
RIICRC405E	Carry out pavement condition measurement
RIICRC406E	Supervise pavement maintenance
RIICSG401E	Supervise civil concrete structure construction
RIICSG402E	Supervise civil steel structure construction
RIICSG403E	Supervise civil timber structure construction
RIICSG404E	Supervise civil masonry, crib and gabion structure construction
RIICSG405E	Carry out inspections of civil structures
RIICSG406E	Supervise maintenance of civil structures
RIICTC306	Conduct tunnel boring machine operations
RIICTC401E	Supervise tunnel construction
RIICTC402*	Supervise tunnel boring machine operations
RIICTT401E	Supervise the installation of underground services using trenchless technology
RIICTT402E	Supervise repair and rehabilitation of underground services using trenchless technology
RIICWD525E	Select pavement surfacing
RIICWM402E	Supervise civil works contractors
RIIDML401E	Supervise demolitions
RIIMEX403E	Supervise canal construction
RIIMPO402D	Apply the principles of earthworks construction
RIIWHS302E	Implement traffic management plans
RIIWHS401E	Supervise work in confined spaces

*Note the following prerequisite requirements.

UNIT IN THIS QUALIFICATION	PREREQUISITE UNITS
RIICTC402 Supervise tunnel boring machine operations	<ul style="list-style-type: none"> RIICTC306 Conduct tunnel boring machine operations
MSL975031 Supervise sampling, inspections and testing at construction sites	<ul style="list-style-type: none"> MSL954004 Obtain representative samples in accordance with sampling plan MSL973021 Conduct field-based acceptance tests for construction materials
MSL975044 Perform complex tests to measure engineering properties of materials	<ul style="list-style-type: none"> MSL973022 Conduct laboratory-based acceptance tests for construction materials MSL974026 Perform tests to determine the properties of construction materials

RII40120 - Certificate IV in Surface Extraction Operations (Release 1)

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

4 core units plus

9 elective units, of which:

- 1 must be from Group A
- at least 2 must be from Group B
- no more than 4 may be from Group C
- no more than 1 may be from Group D
- no more than 2 may be from elsewhere in this or any other currently endorsed training package, or from an accredited course.

Elective units must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid industry-supported vocational outcome.

The elective bank contains both licensed and non-licensed units of competency relating to high risk work in the resources and infrastructure industry. 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.

<i>Core units of competency</i>	
Unit code	Unit title
RIICOM301E	Communicate information
RIIENV302E	Apply environmentally sustainable work practices
RIIGOV401E	Apply, monitor and report on compliance systems
RIIRIS401E	Apply site risk management system
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
BSBWHS411	Implement and monitor WHS policies, procedures and programs
RIIWHS402E	Examine and maintain mine safety
<i>Group B</i>	
Unit code	Unit title

RIIARO401	Supervise autonomous operations
RIIBLA401E	Manage blasting operations
RIIERR302E	Respond to local emergencies and incidents
RIIERR401E	Apply and monitor emergency preparedness and response systems in surface operations
RIIMEX401D	Apply pit plan
RIIMEX402E	Supervise dredging operations
RIIMEX404E	Apply and monitor systems for stable mining
RIIMEX405E	Apply and monitor systems and methods of surface coal mining
RIIMEX407	Apply and monitor the ground control management plan
RIIMEX408	Supervise overburden dump operations
RIIMPO401D	Supervise mobile plant operations
RIIMPO403D	Monitor interaction of heavy and light vehicles and mining equipment
RIIPRO401D	Supervise processing operations
RIIPRO402D	Supervise recycled materials operations
RIIRAI401D	Apply and monitor mine services and infrastructure systems
RIIRAI402D	Apply and monitor site plant and resource management plan
RIISRM401D	Apply and monitor the site stockpile management plan
RIISTD401	Monitor quarry laboratory operations and the quality of results
RIIWBP401D	Apply and monitor site waste and by-products management plan
RIIWMG401D	Apply and monitor the site water management plan
<i>Group C</i>	
Unit code	Unit title
BSBESB401	Research and develop business plans
BSBESB403	Plan finances for new business ventures
BSBESB404	Market new business ventures
BSBFIN401	Report on financial activity
BSBHRM413	Support the learning and development of teams and individuals
BSBINS402	Coordinate workplace information systems
BSBLDR411	Demonstrate leadership in the workplace
BSBOPS402	Coordinate business operational plans
BSBOPS404	Implement customer service strategies
BSBPEF402	Develop personal work priorities
BSBWHS521	Ensure a safe workplace for a work area
ICTICT312	Use advanced features of applications
RIIBLA301E	Conduct surface shotfiring 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
RIIERR201E	Conduct fire team operations
RIIERR301E	Respond to work site incidents
RIIERR403E	Lead rescue teams
RIIERR406	Provide support for rescue operations
RIILAT402E	Provide leadership in the supervision of diverse work teams
RIIQUA401E	Apply a quality management system on site

RIIRIS301E	Apply risk management processes
RIIRIS403D	Manage and coordinate spill response
RIIRIS501E	Implement and maintain management systems to control risk
RIISAM401E	Apply site plant, equipment and infrastructure maintenance management plans
RIISAM403E	Commission/recommission plant
RIIWHS301E	Conduct safety and health investigations
RIIWHS401E	Supervise work in confined spaces
TAEASS301	Contribute to assessment
TAEASS401	Plan assessment activities and processes
TAEASS402	Assess competence
TAEASS403	Participate in assessment validation
TAEDEL301	Provide work skill instruction
<i>Group D</i>	
Unit code	Unit title
HLTAID011	Provide first aid
RIIERR205D	Apply initial response First Aid

RII50515 - Diploma of Civil Construction Design (Release 4)

Packaging Rules

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

Total number of units = 20

20 elective units, of which:

- at least four (4) must be chosen from Group A
- at least two (2) must be chosen from Group B
- at least four (4) must be chosen from Group C
- at least four (4) must be chosen from Group D
- no more than three (3) 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 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.

<i>Group A</i>	
Unit code	Unit title
BSBCUS501	Manage quality customer service
BSBINM501	Manage an information or knowledge management system
BSBMGT608	Manage innovation and continuous improvement
BSBPMG512	Manage project time
BSBPMG513	Manage project quality
BSBPMG517	Manage project risk
BSBPMG518	Manage project procurement
BSBWOR501	Manage personal work priorities and professional development
BSBWOR502	Lead and manage team effectiveness
<i>Group B</i>	
Unit code	Unit title
MEM09011B	Apply basic engineering design concepts <ul style="list-style-type: none">• Prerequisite unit: MEM09002B Interpret technical drawing
MEM30031A	Operate computer-aided design (CAD) system to produce basic drawing elements
MEM30033A	Use computer-aided design (CAD) to create and display 3-D models

	<ul style="list-style-type: none"> Prerequisite unit: MEM30031A Operate computer-aided design (CAD) system to produce basic drawing elements
<i>Group C</i>	
Unit code	Unit title
RIICWD501D	Prepare detailed design of foundations
RIICWD502D	Prepare detailed design of lighting
RIICWD504D	Prepare detailed design of environmental controls
RIICWD505D	Prepare detailed design of landscaping
RIICWD506D	Prepare detailed design of canals
RIICWD507D	Prepare detailed geotechnical design
RIICWD508D	Prepare detailed design of rural roads
RIICWD509D	Prepare detailed design of urban roads
RIICWD510D	Prepare detailed design of busways
RIICWD511D	Prepare detailed design of sub-divisions
RIICWD512D	Prepare detailed design of motorways and interchanges
RIICWD513D	Prepare detailed design of rail civil infrastructure
RIICWD514D	Prepare detailed design of dams
RIICWD515D	Prepare detailed design of airfield civil works
RIICWD516D	Prepare detailed design of bicycle ways
RIICWD517D	Prepare detailed design of industrial hardstands
RIICWD518D	Prepare detailed design of open car parks
RIICWD519D	Prepare detailed design of inter modal facilities civil works
RIICWD520D	Prepare detailed design of rigid pavements
RIICWD521D	Prepare detailed design of flexible pavements
RIICWD522D	Prepare stabilised material mix design
RIICWD523D	Prepare asphalt mix design
RIICWD524D	Prepare design of spray seal surfacing
RIICWD525D	Select pavement surfacing
RIICWD526D	Prepare detailed traffic analysis
RIICWD527D	Prepare detailed design of traffic signals
RIICWD528D	Prepare detailed design of traffic management systems
RIICWD529D	Prepare detailed design of underground services
RIICWD530D	Prepare detailed design of surface drainage
RIICWD531D	Prepare detailed design of subsurface drainage
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
RIICWD537D	Prepare detailed design of marine structures civil works
<i>Group D</i>	
Unit code	Unit title
CPPSIS5032	Capture new spatial data
CPPSIS5035	Obtain and validate existing spatial data

CPPSIS5036	Integrate spatial datasets
MSL925004	Analyse data and report results <ul style="list-style-type: none"> Prerequisite unit: MSL924003 Process and interpret data
MSL975031	Supervise earthworks inspection, sampling and testing operations <ul style="list-style-type: none"> Prerequisite units: MSL954004 Obtain representative samples in accordance with sampling plan MSL973021 Conduct field-based acceptance tests for construction materials
MSL975044	Perform complex tests to measure engineering properties of materials <ul style="list-style-type: none"> Prerequisite units: MSL974026 Perform tests to determine the properties of construction materials MSL973022 Conduct laboratory -based acceptance tests for construction materials
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 binders
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
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
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
RIILAT402D	Provide supervision in the leadership of diverse work teams
RIIMEX403D	Apply the principles of canal construction
RIIMPO402D	Apply the principles of earthworks construction

RII60615 - Advanced Diploma of Civil Construction (Release 2)

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 one (1) must be chosen from Group A
- at least three (3) must be chosen from Group B
- no more than two (2) units 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 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.

<i>Core units of competency</i>	
Unit code	Unit title
BSBMGT605	Provide leadership across the organisation
RIIENV601D	Establish and maintain the environmental management system
RIIQUA601D	Establish and maintain a quality system
RIIRIS601D	Establish and maintain the risk management system
RIIWHS601D	Establish and maintain the occupational health and safety management system
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIICWM601D	Establish civil constructions plans
RIICWM602D	Establish civil works maintenance programs
<i>Group B</i>	
Unit code	Unit title
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
BSBPMG616	Manage program risk
BSBSMB420	Evaluate and develop small business operations
RIIBEF601D	Conduct business negotiations
RIIBEF602D	Establish and evaluate operational performance management systems
RIIBEF604D	Conduct feasibility study
RIICWD601D	Manage the civil works design process
RIICWM503D	Prepare civil works cost estimate
RIICWM504D	Prepare civil works bill of quantities
RIICWM505D	Prepare civil works schedule of rates
RIIERR504D	Manage major incidents and emergencies
RIIGOV601D	Establish, maintain and develop a statutory compliance management system
RIILAT402D	Provide supervision in the leadership of diverse work teams
RIIRIS403D	Manage and coordinate spill response
RIISAM601D	Establish and maintain plant, equipment and infrastructure maintenance system

RII60715 - Advanced Diploma of Surface Coal Mining Management (Release 1)

Packaging Rules

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

Total number of units = 14

6 core units plus

8 elective units, of which:

- at least four (4) must be chosen from Group A
- no more than four (4) may 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 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.

<i>Core units of competency</i>	
Unit code	Unit title
RIIENV601D	Establish and maintain the environmental management system
RIIERR601D	Establish and maintain mine emergency preparedness and response systems
RIIGOV601D	Establish, maintain and develop a statutory compliance management system
RIIQUA601D	Establish and maintain a quality system
RIIRIS601D	Establish and maintain the risk management system
RIIWHS601D	Establish and maintain the occupational health and safety management system
<i>Electives</i>	
<i>Group A</i>	
Unit code	Unit title
RIIMEX601D	Plan pit development
RIIMEX602D	Establish and maintain surface mining ground control and slope stability systems
RIIRAI601D	Establish and maintain the site infrastructure and fixed plant systems
RIISAM601D	Establish and maintain plant, equipment and infrastructure maintenance system

RIISRM601A	Establish and maintain the stockpile management system
RIIUND602D	Establish and maintain mine services systems
RIIWBP601D	Establish and maintain waste and by-product management system
RIIWMG601D	Establish and maintain water management system
<i>Group B</i>	
Unit code	Unit title
BSBFIM501	Manage budgets and financial plans
BSBINM601	Manage knowledge and information
BSBMGT605	Provide leadership across the organisation
BSBMGT608	Manage innovation and continuous improvement
BSBMGT616	Develop and implement strategic plans
BSBMGT617	Develop and implement a business plan
BSBPMG609	Direct procurement and contracting for a project program
RIIBEF601D	Conduct business negotiations
RIIERR504D	Manage major incidents and emergencies
RIILAT402D	Provide supervision in the leadership of diverse work teams
RIIRIS403D	Manage and coordinate spill response

RII60215 - Advanced Diploma of Extractive Industries Management (Release 1)

Packaging Rules

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

Total number of units = 14

14 elective units, of which:

- at least ten (10) must be chosen from the electives listed
- no more than of four (4) units 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 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.

<i>Electives</i>	
Unit code	Unit title
BSBINM601	Manage knowledge and information
BSBMGT605	Provide leadership across the organisation
BSBMGT608	Manage innovation and continuous improvement
BSBMGT617	Develop and implement a business plan
BSBPMG609	Direct procurement and contracting for a project program
RIIBEF601D	Conduct business negotiations
RIIBEF602D	Establish and evaluate operational performance management systems
RIIBEF604D	Conduct feasibility study
RIIENV601D	Establish and maintain the environmental management system
RIIERR504D	Manage major incidents and emergencies
RIIGOV601D	Establish, maintain and develop a statutory compliance management system
RIILAT402D	Provide supervision in the leadership of diverse work teams
RIIMEX601D	Plan pit development
RIIPRO601D	Design processing plant
RIIQUA601D	Establish and maintain a quality system
RIIRAI607D	Establish quarry operations
RIIRAI608D	Establish quarry development
RIIRIS403D	Manage and coordinate spill response
RIIRIS601D	Establish and maintain the risk management system
RIISAM601D	Establish and maintain plant, equipment and infrastructure maintenance system

RIISRM601D	Establish and maintain the stockpile management system
RIIWBP601D	Establish and maintain waste and by-product management system
RIIWS601D	Establish and maintain the work health and safety management system
RIIWMG601D	Establish and maintain water management system

RII60415 - Advanced Diploma of Drilling Management (Release 2)

Packaging Rules

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

Total number of units = 11

8 core units plus

3 elective units, of which:

- at least one (1) must be chosen from the electives
- no more than two (2) 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 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	
Unit code	Unit title
BSBMGT605	Provide leadership across the organisation
BSBMGT617	Develop and implement a business plan
RIICCR601D	Manage customer relationships
RIIENV601D	Establish and maintain the environmental management system
RIIGOV601D	Establish, maintain and develop a statutory compliance management system
RIIOGD504D	Manage drilling operations
RIIRIS601D	Establish and maintain the risk management system
RIIWHS601D	Establish and maintain the WHS management system
Electives	
Unit code	Unit title
BSBPMG605	Direct quality management of a project program
BSBSMB420	Evaluate and develop small business operations
RIILAT402D	Provide supervision in the leadership of diverse work teams
RIIOGD601D	Manage multiple drilling operations
RIIQUA601D	Establish and maintain a quality system
RIIRIS403D	Manage and coordinate spill response

RII50420 - Diploma of Civil Construction Management (Release 1)

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.

<i>Core units of competency</i>	
Unit code	Unit title
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
<i>Electives</i>	
<i>Group A</i>	
RIICWM501E	Implement civil construction plans
RIICWM502E	Implement civil works maintenance programs
<i>Group B</i>	
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
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
BSBWOR501	Manage personal work priorities and professional development
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 supervision in the leadership of diverse work teams
RIIRAI502D	Develop and implement site plant and resource management plan
RIIRIS403E	Managing and coordinating spill response
RIISAM501E	Implement and maintain the site plant, equipment and infrastructure maintenance plan

RII60620 - Advanced Diploma of Civil Construction (Release 1)

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 one (1) must be chosen from Group A
- at least three (3) must be chosen from Group B
- no more than two (2) units 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 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	
Unit code	Unit title
BSBLDR602	Provide leadership across the organisation
RIIENV601E	Establish and maintain the environmental management system
RIIQUA601E	Establish and maintain a quality system
RIIRIS601E	Establish and maintain the risk management system
RIIWHS601E	Establish and maintain the occupational health and safety management system
<i>Elective units</i>	
<i>Group A</i>	
RIICWM601E	Establish civil constructions plans
RIICWM602E	Establish civil works maintenance programs
<i>Group B</i>	
BSBESB406	Establish operational strategies and procedures for new business ventures
BSBOPS601	Develop and implement business plans
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

BSBPMG537	Manage project procurement
BSBPMG540	Manage project integration
BSBPMG632	Manage program risk
BSBSTR601	Manage innovation and continuous improvement
RIIBEF601E	Conduct business negotiations
RIIBEF602E	Establish and evaluate operational performance management systems
RIIBEF604E	Conduct feasibility study
RIICWD601E	Manage the civil works design processes
RIICWM503E	Prepare civil works cost estimate
RIICWM504E	Prepare civil works bill of quantities
RIICWM505E	Prepare civil works schedule of rates
RIIERR504E	Manage major incidents and emergencies
RIIGOV601E	Establish, maintain and develop a statutory compliance management system
RIILAT402E	Provide supervision in the leadership of diverse work teams
RIIRIS403E	Manage and coordinate spill response
RIISAM601E	Establish and maintain plant, equipment and infrastructure maintenance systems