



LRES

Training Management



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

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Complete Qualifications

Note: Units highlighted are those available from LRES Training Management

Incomplete Qualifications

Note: Units highlighted are those available from LRES Training Management

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
<i>Electives</i>	
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
RIIWHS202D	Enter and work in confined spaces
RIIWHS205D	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
<i>Electives</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
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
RIIPEO201D	Conduct conveyor operations
RIIPEO202D	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
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 • 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

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
RIIPEO202D	Provide deck support for conveyor-car high wall mining operations
RIIPEO208D	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)

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
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
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

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
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
RIIWH302D	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
RIIIMG301D	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 • 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
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
RIIIMG301D	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
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
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
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
RIIWHS204D	Work safely at heights
RIIWHS205D	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
RIIWHS302D	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
RIIWHS202D	Enter and work in confined spaces
RIIWHS204D	Work safely at heights
RIIWHS205D	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
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
RIIWHS302D	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
RIIWHS204D	Work safely at heights
RIIWHS205D	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
FDFOPI003A	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
RIIWHS205D	Control traffic with a stop/slow bat
RIIWHS302D	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
RIIIMG301D	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

RIIWHS302D	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
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
TLILIC2001A	Licence to operate a forklift truck
UEGNSG202B	Construct and lay distribution pipelines

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
RIIVFH304D	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)

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
RIIMG301D	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

RIIV305E	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

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
RIIPEO301D	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

RIIVEH307E	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

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
RIIVFH301D	Conduct rail haulage operations
TLILIC3008A	Licence to operate a slewing mobile crane (up to 20 tonnes)

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
RIIWHS301D	Conduct safety and health investigations
RIIWHS402D	Examine and maintain mine safety
RIIWHS404D	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

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