



RII Resources and Infrastructure Industry Training Package

Implementation Guide

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About this Guide

This Companion Volume Implementation Guide (CVIG) supports registered training organisations (RTOs), trainers, assessors, and workplaces in understanding and implementing the RII Resources and Infrastructure Industry Training Package (version 11.0).

It contains the following:

Overview Information

Here you will find information on:

- Version control and modification history
- Coding and title conventions
- List of AQF qualifications, skill sets and units of competency in the Training Package
- Qualification mapping including an equivalence table linking old to new qualification
- Unit mapping information including an equivalence table linking old to new units of competency
- Imported and prerequisite units
- Key work and training requirements in the industry
- Regulations and licensing implications for implementation.

Implementation Information

This section is designed to assist assessors, trainers, registered training organisations (RTOs) and enterprises in implementing the training package. Here you will find information on:

- Key features of the Training Package and industry that will impact the selection of pathways
- Industry sectors and occupational outcomes
- Mandatory entry requirements
- Pathways advice
- Access and equity
- Foundation skills
- Health and safety
- Advice about the relationship between skill sets and qualifications
- Resource and equipment lists
- Legal considerations for learners in the workplace or on placement
- Other information relevant to implementation of the Training Package.

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Overview information

The RII Resources and Infrastructure Industry Training Package supports the skills development needs of Australia's mining and civil construction industries. It ensures that workers are equipped with current technical, safety, and operational skills aligned with evolving technologies and industry standards. The training package supports learners from entry-level through to advanced tradespeople and provides pathways into apprenticeships, further education, and employment.

To remain responsive to industry change, the training package is regularly reviewed and updated to reflect emerging technologies such as electric and hybrid vehicles, digital diagnostics, and advanced manufacturing processes.

Responsibility for maintaining and updating the RII Training Package is shared between two Jobs and Skills Councils:

The Australian Manufacturing Skills Alliance (AUSMASA) and BuildSkills Australia are the Job and Skills Councils (JSCs) with shared responsibility for the RII Resources and Infrastructure Industry Training Package.

Together, the JSCs provide industry-led advice to ensure RII training products remain current, fit-for-purpose and responsive to workforce needs across resources, infrastructure and civil construction sectors.

AUSMASA has stewardship responsibility for RII training products aligned to resources, mining and associated industries, while BuildSkills Australia has stewardship responsibility for RII training products aligned to civil construction, including qualifications, skill sets and units that support construction, infrastructure delivery, and on-site civil operations.

Through collaboration with employers, unions, training providers, regulators and governments, the JSCs support the ongoing maintenance and continuous improvement of RII training products to ensure a skilled, safe and sustainable workforce.

Key work and training requirements in the industry

The broad scope of the Resources and Infrastructure Industry (mining) Training Package presents both challenges and opportunities for the mining sector. Including technology advancements and electrifying the industry will force industry to adapt quickly to changing environments. As a result:

- Employers perceive an opportunity for the training package to be tailored towards retraining and reskilling those who move into the resource sector, as technical skills developed outside the sector are often not applicable.
- Stakeholders suggest that it is difficult for employers to attract and retain skilled workers in downturn periods, therefore there is opportunity for the training package to assist mining workers to transition between job roles as demand shifts.

Regulation and licensing implications for implementation

Regulation or licensing issues are identified in the *Application* section of units of competency and the *Qualification description* section of qualifications. If there are no requirements, the following statement will appear: No licensing, legislative or certification requirements apply to this unit/qualification at the time of publication.

Relevant legislation and regulatory requirements

In developing the RII Resources and Industry training package components, legislative and regulatory requirements were considered. Legislative and regulatory requirements differ between States and Territories in Australia and are subject to change. RTOs are responsible for ensuring that delivery and assessment incorporate the appropriate requirements.

Qualifications

Qualifications are created by packaging units of competency into combinations that meet workplace roles. Qualifications come with ‘packaging rules’ which set out the overall requirements for delivering the qualification, including the number of core units, and the number and source of elective units.

Qualifications are aligned to AQF qualification types. VET qualifications are at levels 1, 2, 3, 4, 5, 6, and 8 of the AQF. The AQF provides a comprehensive, nationally consistent framework for all qualifications in post-compulsory education and training in Australia. In the VET sector, it assists national consistency for all trainees, learners, employers and providers by enabling national recognition of qualifications and Statements of Attainment.

For a full explanation of the AQF, see the AQF website: <http://www.aqf.edu.au>.

Qualification structure

Training Package Organising Framework, 2025.

Qualification code

Each qualification has a unique eight-character code:

- the first three letters identify the training package
- the first number identifies the qualification level
- the next two numbers identify a qualification’s position in the sequence of qualifications at that level
- the last two numbers identify the year in which the qualification was endorsed.

Qualification title

The title reflects the qualification outcomes and complies with the number of characters specified in the Australian Vocational Education and Training Management Information Statistical (AVETMIS) Standard (no more than 100 characters).

Qualification description

This field describes the qualification outcomes, together with any licensing, legislative, regulatory or certification considerations.

Foundation skills outcomes

This field indicates the foundation skill outcomes a competent learner is expected to have upon completion of the qualification.

Entry requirements

This is an optional field that specifies any mandatory entry requirements.

Packaging rules

This field:

- specifies the total number of units of competency required to achieve the qualification
- specifies the number of core and elective units
- lists all core and elective unit codes and titles, including prerequisite units where they apply.

Qualification mapping information

This field specifies the code and title of any equivalent qualification.

Links

This field provides a link to the Companion Volume Implementation Guide.

Skill sets

Skill sets consist of one or more endorsed units of competency that have been packaged together to address a defined industry need or specific licensing or regulatory requirement. Skill sets are not qualifications.

Skill set structure

Skill sets themselves are non-endorsed components of training packages (however, they consist of endorsed units of competency). They use a standard format.

Skill set code

This is a unique code in the format: <Training package code> <SS> <five digit code> e.g. RIISS00001.

Skill set name

The title reflects the skill set outcomes, and will be included on the statement of attainment.

Description

This field explains how the skill set meets the industry need or regulatory requirement.

Pathways information

This field explains the skill set's relationship with a qualification.

Entry requirements

This field specifies any mandatory entry requirements that must be achieved prior to commencing the skill set.

Foundation skills outcomes

This field indicates the foundation skill outcomes a competent learner is expected to have upon completion of the skill set.

Skill set requirements

This field lists all the unit(s) in the skill set that must be completed to receive the skill set statement of attainment. Any units that include pre-requisite units will be clearly identified.

Mapping information

This field specifies code and title of any equivalent skill set.

Links

This field provides a link to the Companion Volume Implementation Guide.

Units of competency

Units of competency are the nationally agreed statements of the skills and knowledge required for effective performance in a particular job or job function.

Units of competency describe work outcomes as agreed by industry. As such, they do not describe the procedures necessary to perform a particular role, but rather, identify the skills and knowledge, as outcomes, that contribute to the whole job function. Each unit of competency describes:

- a specific work activity and what it involves
- particular skills (and level of skills) that are needed to perform the work activity
- conditions under which the work activity may be conducted
- knowledge and skills required to perform the work activity
- foundation skills essential to performing the work activity
- how learners can show they are competent in the work activity
- performance and knowledge evidence that must be considered in assessing competency of the unit
- conditions under which evidence for assessment must be gathered.

Units of competency are not aligned to levels within the AQF because they can be included across a range of qualification levels. However, the qualification in which a unit is first packaged in a training package is indicated by the first digit in the unit code.

What is competency?

The broad concept of industry competency is the ability to perform particular tasks and duties to the standard of performance expected in the workplace.

Competency covers all aspects of workplace performance and involves:

- performing individual tasks
- managing a range of different tasks
- responding to contingencies or breakdowns
- dealing with the responsibilities of the workplace, including working with others.

Workplace competency is the ability to apply relevant skills and knowledge consistently over time and in the required workplace situations and environments.

Competency standards are determined by industry to meet industry skill needs and focus on what is expected of a competent individual in the workplace.

Unit of competency structure

Units of competency are based on templates prescribed by the *Standards for Training Packages 2025*. Under these Standards, a unit of competency comprises two separate documents, i.e. a unit of competency document and an assessment requirements document.

Unit code

Each unit of competency has a unique code, which is assigned when the training package is endorsed, or when new units of competency are added to an endorsed training package:

- the first three characters identify the training package
- the next three characters indicate the competency stream or group
- the first number indicates the AQF qualification in which the unit is first packaged
- the next two numbers identify a unit's position in the sequence of units in that competency stream or group.

Unit title

The title describes the unit outcome and complies with the length specified in the AVETMIS Standard (no more than 100 characters).

Application

This field describes how the unit is practically applied, who would typically use it and the unit of competency's relationship to licensing, legislative or certification requirements.

Prerequisite units

This is an optional field that specifies any unit(s) in which the learner must already be competent prior to achieving competency in this unit.

Unit sector

This field is used to categorise units of competency in relation to industry sectors or types of work.

Elements of competency

Elements of competency describe the outcomes of the significant functions and tasks that make up the competency. Elements describe actions or outcomes that are demonstrable and assessable.

Performance criteria

Performance criteria specify the required performance in relevant tasks, roles, skills (including foundation skills) and the applied knowledge that enables competent performance.

Foundation skills

This field describes the language, literacy, numeracy and employment skills that are essential to performance.

Range of conditions

This is an optional field that specifies different work environments and conditions that may affect performance. Range is restricted to essential operating conditions and any other variables essential to the work environment, so it is quite different from the previous Range statement.

Links

This field provides a link to the Companion Volume Implementation Guide.

Assessment requirements

Title

This field uses the format: Assessment Requirements for [Unit of Competency Code and Title]

Performance evidence

Performance evidence, as the name implies, specifies what individuals must do to show that they satisfy the performance standards in the unit of competency.

Knowledge evidence

Knowledge evidence, as the name implies, specifies what individuals must know in order to carry out the work tasks described in the unit of competency safely and effectively.

Assessment conditions

This field describes mandatory conditions for assessment, e.g. details of equipment and materials; contingencies; physical conditions; relationships with other people; timeframes. It also specifies assessor requirements.

Links

This field provides a link to the Companion Volume Implementation Guide.

Contextualisation of units of competency by RTOs

RTOs may contextualise units of competency to reflect local skill needs. Contextualisation could involve additions or amendments to the unit of competency to suit particular delivery methods, learner profiles, or specific enterprise requirements. Any contextualisation must ensure the integrity of the outcome of the unit of competency is maintained.

Industry requirements, as described in training or job specifications, can be used to contextualise a unit of competency.

Mapping to previous version of the training package

Mapping information can be useful for delivery and assessment as it:

- explains the extent of changes to assist users in identifying how previous training materials can be adapted
- shows whether the outcomes of the previous and current versions are equivalent or not equivalent
- shows newly created components as well as any components deleted from the training package.

Key to mapping tables below

E	Equivalent	Where the workplace outcomes of the superseded and superseding training package components are equivalent.
NA	Not applicable	Where mapping information is not applicable. Minor updates do not require an equivalence determination.
NE	Not equivalent	Where a training package component is superseded, and the workplace outcome of the component has changed.
NC	Newly created	Where the training package component has been created to address an emerging skill or task required by industry.
D	Deleted	Where a training package component is deleted as the skill or task is no longer required by industry.

AQF Qualifications, Skill Sets and Units of Competency

RII Version 11.0: List of Qualifications and Mapping

***Statement of Purpose:** All updated or newly developed qualifications must have a statement of purpose that is justified with a rationale in the Companion Volume Implementation Guide.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
RII10115	Certificate I in Resources and Infrastructure Operations	Shared	RII10113	Certificate I in Resources and Infrastructure Operations	E	3	The Application description is structured to clearly establish the qualification's vocational intent, industry relevance, and operational outcomes within the civil construction sector. The wording emphasises safe operation, technical competency, and practical application because the qualification is designed to prepare learners for high-risk plant and machinery environments where compliance, operational accuracy, and workplace safety are critical. The wording and intent of the original Application section	This version was released with RII Resources and Infrastructure Training Package version 7.0. Version created to fix typographical and/or unit grid errors.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
							has not changed and remains equivalent.	
RII20120	Certificate II in Resources and Infrastructure Work Preparation	Shared	RII20115	Certificate II in Resources and Infrastructure Work Preparation	E	4		This version was released with RII Resources and infrastructure Training Package version 11.0. Superseded elective units updated
RII20220	Certificate II in Surface Extraction Operations	AUSMASA	RII20215	Certificate II in Surface Extraction Operations	E	2		Superseded elective units updated
RII20320	Certificate II in Underground Coal Mining	AUSMASA	RII20315	Certificate II in Underground Coal Mining	NE	3		This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0. Superseded elective units updated
RII20420	Certificate II in Underground Metalliferous Mining	AUSMASA	RII20415	Certificate II in Underground Metalliferous Mining	E	2		Superseded elective units updated
RII20520	Certificate II in Resource Processing	AUSMASA	RII20515	Certificate II in Resource Processing	E	3		This version first released with RII Resources and Infrastructure Industry Training

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								Package Version 11.0. Superseded elective units updated
RII20620	Certificate II in Mining/Field Exploration	AUSMASA	RII20615	Certificate II in Mining / Field Exploration	E	4		Superseded elective units updated
RII20720	Certificate II in Civil Construction	BuildSkills	RII20715	Certificate II in Civil Construction	E	2		This version was released with RII Resources and Infrastructure Training Package version 7.0. Version created to fix typographical and/or unit grid errors.
RII20819	Certificate II in Bituminous Surfacing	BuildSkills	RII20815	Certificate II in Bituminous Surfacing	E	2		This version was released with RII Resources and Infrastructure Training Package version 7.0. Version created to fix typographical and/or unit grid errors.
RII20920	Certificate II in Drilling Operations	AUSMASA	RII20915	Certificate II in Drilling Operations	E	4		Superseded elective units updated
RII21120	Certificate II in Oil & Gas Drilling	AUSMASA	RII21115 RII21215	Certificate II in Drilling Oil/Gas (On shore)	NE	5		Superseded elective units updated

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
	(Onshore) and Well Servicing			Certificate II in Well Servicing Operations				
RII21222	Certificate II in Autonomous Workplace Operations	Shared	N/A	N/A	N/A	1		This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. Newly created qualification.
RII30120	Certificate III in Surface Extraction Operations	AUSMASA	RII30115	Certificate III in Surface Extraction Operations	E	3		Superseded elective units updated
RII30220	Certificate III in Underground Coal Operations	AUSMASA	RII30218	Certificate III in Underground Coal Operations	E	4		Superseded elective units updated
RII30320	Certificate III in Underground Metalliferous Mining	AUSMASA	RII30315	Certificate III in Underground Metalliferous Mining	E	3		Superseded elective units updated
RII30420	Certificate III in Resource Processing	AUSMASA	RII30415	Certificate III in Resource Processing	E	2		Superseded elective units updated
RII30520	Certificate III in Mining Exploration	AUSMASA	RII30515	Certificate III in Mining Exploration	E	4		Superseded elective units updated
RII30726	Certificate III in Emergency Response and Rescue	Shared	RII30719	Certificate III in Emergency Response and Rescue	NE	1		This version was released with RII Resources and Infrastructure Training Package version 11.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								Updates to Packaging Rules to include 1 additional elective unit of competency. Updates to Packaging Rules to reconfigure Group A, Group B and Group C electives. Superseded and equivalent core units updated: • RIICOM201E Communicate in the workplace • RIIWHS201E Work safely and follow WHS policies and procedures Core unit updated and equivalent: • RIIRIS301 Apply risk management processes Elective bank revised to add, remove, and update elective units.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
RII30826	Certificate III in Civil Construction – Plant Operations	BuildSkills	RII30820	Certificate III in Civil Construction Plant Operations	E	1		This version is released with RII Resources and Infrastructure Training Package version 11.0. Version classified as 'Major Change' due to core unit updates. Revisions to unit content and associated assessment requirements (Application, Elements, Performance Criteria, Performance Evidence, Knowledge Evidence and/or Assessment Conditions). No change to employment outcomes or AQF level. Superseded imported units updated.
RII30926	Certificate III in Civil Construction	BuildSkills	RII30920	Certificate III in Civil Construction	E	1	The Application description is structured to communicate the broad occupational	This version is released with RII Resources and

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
							scope and foundational vocational outcomes associated with general civil construction work. Its structure focuses on transferable operational skills, teamwork, and practical workplace capability because the qualification supports entry-level and developing workers across diverse infrastructure and construction activities. The wording and intent of the original Application section has not changed and remains equivalent.	Infrastructure Training Package version 11.0. Version classified as 'Major Change' due to core unit updates. Revisions to unit content and associated assessment requirements (Application, Elements, Performance Criteria, Performance Evidence, Knowledge Evidence and/or Assessment Conditions). No change to employment outcomes or AQF level. Superseded imported units updated.
RII31220	Certificate III in Civil Foundations	BuildSkills	RII31215	Certificate III in Civil Foundations	E	2		This version was released with RII Resources and Infrastructure Training Package version 7.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								Version created to fix typographical and/or unit grid errors.
RII31619	Certificate III in Trenchless Technology	BuildSkills	RII31615	Certificate III in Trenchless Technology	E	3		This version was released with RII Resources and Infrastructure Training Package version 7.0. Version created to fix typographical and/or unit grid errors.
RII31820	Certificate III in Drilling Operations	AUSMASA	RII31815	Certificate III in Drilling Operations	E	4		Superseded elective units updated
RII32026	Certificate III in Drilling Oil & Gas (Onshore)	AUSMASA	RII32020	Certificate III in Drilling Oil & Gas (Onshore)	E	1		This version was released with RII Resources and infrastructure Training Package version 10.0. Superseded and equivalent core units updated: BSBFLM303 updated to BSLDR301

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								BSBWHS301 updated to BSBWHS311 Superseded and equivalent elective unit updated: TAEDEL301 updated to TAEDEL311
RII32226	Certificate III in Well Servicing Operations	AUSMASA	RII32220	Certificate III in Well Servicing Operations	E	1		This version was released with RII Resources and infrastructure Training Package version 10.0. Superseded and equivalent core units updated: BSBFLM303 updated to BSBLDR301 BSBWHS301 updated to BSBWHS311 Superseded and equivalent elective unit updated: TAEDEL301 updated to TAEDEL311

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
RII40120	Certificate IV in Surface Extraction Operations	AUSMASA	RII40115	Certificate IV in Surface Extraction Operations	E	3		This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0. Superseded elective units updated
RII40226	Certificate IV in Surface Coal Mining (Open Cut Examiner)	AUSMASA	RII40220	Certificate IV in Surface Coal Mining (Open Cut Examiner)	E	1		This version was released with RII Resources and infrastructure Training Package version 10.0. Superseded and equivalent core units updated: BSBMGT401 updated to BSBLDR411 BSBSUS401 updated to BSBSUS411 Superseded and equivalent elective units updated: BSBINM401 updated to BSBINS402 BSBINN301 updated to BSBSTR401

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								BSBWOR404 updated to BSBPEF402 Superseded and non-equivalent elective units updated: BSBMGT402 updated to BSBOPS402 TAEASS402 updated to TAEASS412
RII40320	Certificate IV in Underground Metalliferous Mining Operations	AUSMASA	RII40315	Certificate IV in Metalliferous Mining Operations (Underground)	E	3		Superseded elective units updated
RII40426	Certificate IV in Underground Coal Operations	AUSMASA	RII40420	Certificate IV in Underground Coal Operations	E	2		This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0. Superseded elective units updated
RII40520	Certificate IV in Resource Processing	AUSMASA	RII40515	Certificate IV in Resource Processing	E	4		This version first released with RII Resources and Infrastructure Industry Training

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								Package Version 11.0. Superseded elective units updated
RII40720	Certificate IV in Civil Construction	BuildSkills	RII40715	Certificate IV in Civil Construction Supervision	E	3	The Application description is intentionally framed around leadership, coordination, and supervisory responsibilities to reflect the higher-level outcomes and distinguish the qualification from operational-level training by emphasising planning, team management, risk control, and decision-making within civil construction projects. Application section has not changed and remains equivalent	This version first released with RII Resources and Infrastructure Training Package version 11.0. Current release version classified as 'Minor Change' due to elective unit updates only. Revisions to unit content and associated assessment requirements (Application, Elements, Performance Criteria, Performance Evidence, Knowledge Evidence and/or Assessment Conditions). No change to employment

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								outcomes or AQF level. Superseded imported units updated.
RII40820	Certificate IV in Civil Construction Design	BuildSkills	RII40815	Certificate IV in Civil Construction Design	E	2		This version was released with RII Resources and Infrastructure Training Package version 7.0. Version created to fix typographical and/or unit grid errors.
RII40920	Certificate IV in Drilling Operations	AUSMASA	RII40915	Certificate IV in Drilling Operations	E	4		Superseded elective units updated
RII41126	Certificate IV in Drilling Oil & Gas (Onshore)	AUSMASA	RII41120	Certificate IV in Drilling Oil & Gas (Onshore)	E	1		This version was released with RII Resources and infrastructure Training Package version 10.0. Superseded and equivalent core units updated: BSBLDR403 updated to BSBLDR414 Superseded and equivalent elective units updated:

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								BSBCUS401 updated to BSBOPS404 BSBLED401 updated to BSBHRM413 TAEDEL301 updated to TAEDEL311
RII41226	Certificate IV in Well Servicing Operations	AUSMASA	RII41220	Certificate IV in Well Servicing Operations	E	1		This version was released with RII Resources and infrastructure Training Package version 10.0. Superseded and equivalent core units updated: BSBLDR403 updated to BSBLDR414 Superseded and equivalent elective units updated: BSBLED401 updated to BSBHRM413 TAEDEL301 updated to TAEDEL311
RII41326	Certificate IV in Emergency Response Coordination	Shared	RII41319	Certificate IV in Emergency Response Coordination	E	1		Superseded and equivalent core unit of competency updated: • BSBLDR411 Demonstrate

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								leadership in the workplace Added entry requirements into qualification - RII30726 Certificate III in Emergency Response and Rescue As a result of entry requirements, removed core unit of competency: • HLTAID014 Provide Advanced First Aid Elective bank revised to include new and updated units.
RII41421	Certificate IV in Civil Infrastructure Asset Management	BuildSkills	N/A	N/A		2		Release 2: This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Omitted Packaging Rules added to qualification.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
RII41522	Certificate IV in Autonomous Control and Remote Operations	Shared	N/A	N/A		1		This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. Newly created qualification.
RII50120	Diploma of Surface Operations Management	AUSMASA	RII50115	Diploma of Surface Operations Management	E	2		Superseded elective units updated
RII50326	Diploma of Minerals Processing	AUSMASA	RII50315	Diploma of Minerals Processing	E	1		This version was released with RII Resources and infrastructure Training Package version 10.0. Superseded and equivalent core units updated: BSBCUS501 updated to BSBOPS505 BSBMGT516 updated to BSBSTR502 RIIENV501D updated to RIIENV501E

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								RIIGOV501D updated to RIIGOV501E Superseded and equivalent elective units updated: BSBINM501 updated to BSBINS501 BSBMGT517 updated to BSBOPS502 BSBSUS401 updated to BSBSUS411 BSBWHS501 updated to BSBWHS521 BSBWOR502 updated to BSBTWK502 RIILAT402D updated to RIILAT402E RIIRIS403D updated to RIIRIS403E Superseded and non-equivalent elective units updated: BSBINN502 updated to BSBSTR501

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								BSBLED501 updated to BSBHRM523 BSBWOR501 updated to BSBPEF501
RII50420	Diploma of Civil Construction Management	BuildSkills	RII50415	Diploma of Civil Construction Management	E	3		This version was released with RII Resources and Infrastructure Industry Training Package Version 8.0. Qualification updated to house new and existing units of competency to allow learners to access training relevant to civil infrastructure asset management.
RII50520	Diploma of Civil Construction Design	BuildSkills	RII50515	Diploma of Civil Construction Design	E	2		This version was released with RII Resources and Infrastructure Training Package version 7.0. Version created to fix typographical and/or unit grid errors.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
RII50620	Diploma of Drilling Operations	AUSMASA	RII50615	Diploma of Drilling Operations	E	2		This version was released with RII Resources and Infrastructure Training Package version 7.0. Version created to fix typographical and/or unit grid errors.
RII50820	Diploma of Drilling Oil & Gas (Onshore)	AUSMASA	RII50815	Diploma of Drilling Oil & Gas (On shore)	E	3		Superseded elective units updated
RII50920	Diploma of Underground Coal Mining Management	AUSMASA	RII50915	Diploma of Underground Coal Mining Management	E	3		Superseded elective units updated
RII51020	Diploma of Well Servicing Operations	AUSMASA	RII51015	Diploma of Well Servicing Operations	E	4		Superseded elective units updated
RII60120	Advanced Diploma of Metalliferous Mining	AUSMASA	RII60115	Advanced Diploma of Metalliferous Mining	E	2		This version was released with RII Resources and Infrastructure Industry Training Package Version 7.1. This release removed deleted unit RIIRAI612D and amended packaging rules.
RII60220	Advanced Diploma of Extractive Industries Management	AUSMASA	RII60215	Advanced Diploma of Extractive Industries Management	NE	1		This version first released with RII Resources and

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								Infrastructure Industry Training Package Version 7.0.
RII60320	Advanced Diploma of Underground Coal Mining Management	AUSMASA	RII60315	Advanced Diploma of Underground Coal Mining Management	E	4		Superseded elective units updated
RII60415	Advanced Diploma of Drilling Management	AUSMASA	RII60413	Advanced Diploma of Drilling Management	E	5		Superseded elective units updated
RII60520	Advanced Diploma of Civil Construction Design	BuildSkills	RII60515	Advanced Diploma of Civil Construction Design	E	2		This version was released with RII Resources and Infrastructure Training Package version 7.0. Version created to fix typographical and/or unit grid errors.
RII60620	Advanced Diploma of Civil Construction	BuildSkills	RII60615	Advanced Diploma of Civil Construction		3		This version was released with RII Resources and Infrastructure Training Package version 7.1. Version created to fix typographical errors.
RII60726	Advanced Diploma of Surface Coal Mining Management	AUSMASA	RII60720	Advanced Diploma of Surface Coal Mining Management	E	1		This version was released with RII Resources and

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								infrastructure Training Package version 10.0. Superseded and non-equivalent core unit updated: RIIBLA602D updated to non-equivalent unit RIIBLA602E Superseded and equivalent elective units updated: BSBFIM501 updated to BSBFIN501 BSBINM601 updated to BSBINS601 BSBMGT605 updated to BSBLDR602 BSBMGT608 updated to BSBSTR601 BSBMGT616 updated to BSBSTR602 BSBMGT617 updated to BSBOPS601

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Qualification Equivalency	Release Number	Purpose*	Notes
								Superseded and non-equivalent elective units updated: BSBPMG609 updated to BSBPMG537

RII Version 11.0: List of Skill Sets and Mapping

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
RIISS00018	Concrete Paving - Automated Paving Guidance System (APGS) Technician Skill Set	BuildSkills	N/A	N/A	N/A	4	This version was first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00019	Concrete Paving - Finisher Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00020	Concrete Paving - General Hand Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00021	Concrete Paving - Hand Texturing and Curing Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with the RII Resources and Infrastructure

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
							Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00022	Concrete Paving - Joint Sealer Skill Set	BuildSkills	N/A	N/A	N/A	6	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00023	Concrete Paving - Machine Operator Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00024	Concrete Paving - Saw Cutter Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
RIISS00025	Concrete Paving - Spotter Recorder Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00026	Concrete Paving - Stringliner Skill Set	BuildSkills	N/A	N/A	N/A	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00027	Concrete Paving - Texture Machine Operator Skill Set	BuildSkills	N/A	N/A	N/A	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00028	Concrete Paving - Tie Bar Inserter Skill Set	BuildSkills	N/A	N/A	N/A	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
							Substituting superseded units of competency with updated equivalent units.
RIISS00029	Leading Hand - Coal Mining Skill Set	AUSMASA	N/A	N/A	E	5	This version first released with the RII Resources and Infrastructure Industry Training Package Version 811.0. Substituting superseded units of competency with updated equivalent units.
RIISS00030	Explosion Protected Diesel Engine Systems Maintenance Skill Set	AUSMASA	N/A	N/A	N/A	1	This version was released with RII Resources and Infrastructure Training Package version 1.0
RIISS00031	Mine Surveying Skill Set	Shared	N/A	N/A	N/A	4	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00032	Site Health and Safety Coordinator Skill Set	Shared	N/A	N/A	N/A	4	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
							Substituting superseded units of competency with updated equivalent units.
RIISS00035	Underground Shotfiring - Coal Skill Set	AUSMASA	N/A	N/A	D		Skill set deleted
RIISS00036	Underground Shotfiring - Metalliferous Skill Set	AUSMASA	N/A	N/A	N/A	2	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00038	Oil and Gas (Off Shore) Rouseabout Skill Set	AUSMASA	N/A	N/A	N/A	4	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00042	Work Zone Traffic Control - Road Labourer Skill Set	BuildSkills	N/A	N/A	N/A	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
RIISS00043	Work Zone Traffic Control - Supervisor Skill Set	BuildSkills	N/A	N/A	N/A	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00046	Leading Hand Skill Set	BuildSkills	N/A	N/A	N/A	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00047	Stabiliser Support Staff Skill Set	BuildSkills	N/A	N/A	N/A	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00048	Operator of Stabiliser Skill Set	BuildSkills	N/A	N/A	N/A	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
							Substituting superseded units of competency with updated equivalent units.
RIISS00049	Operator of Spreader Skill Set	BuildSkills	N/A	N/A	N/A	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00050	Operator of Stabiliser (using foam bitumen) Skill Set	BuildSkills	N/A	N/A	N/A	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00051	Supervision of Diverse Work Teams Skill Set	Shared	RIISS00039	Supervision of Indigenous Employees Skill Set	E	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 11.0. Substituting superseded units of competency with updated equivalent units.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
RIISS00052	Surface Shotfiring Skill Set	Shared	RIISS00037	Surface Shotfiring Skill Set	E	3	Update to the unit bank. Removal of the unit RIIBLA201D Support Shotfiring Operations.
RIISS00053	Advanced off-the-road and earthmoving tyre fitting	Shared	N/A	N/A	N/A	3	Updated to reflect the following current versions of superseded units of competency: - RIICOM301E Communicate information - RIIRIS401E Apply site risk management system RIIWHS301E Conduct safety and health investigations.
RIISS00054	Traffic Controller Skill Set	BuildSkills	RIISS00044	Work Zone Traffic Control - Traffic Controller Skill Set	NE	2	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00055	Traffic Management Implementer Skill Set	BuildSkills	RIISS00041	Work Zone Traffic Control - Implement Traffic Control Guidance Plan Skill Set	NE	3	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
RIISS00056	Traffic Management Designer Skill Set	BuildSkills	RIISS00045	Work Zone Traffic Control Guidance Plan - Developer Skill Set	NE	2	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Substituting superseded units of competency with updated equivalent units.
RIISS00057	Construction Materials Testing Skill Set	Shared	N/A	N/A	N/A	2	This version was released with RII Resources and Infrastructure Training Package version 7.0. Version created to fix typographical and/or unit grid errors.
RIISS00058	Traffic Controller Skill Set for Urban Streets and Low Volume Rural Roads Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. This version has been updated in consultation with the Industry Reference Committee
RIISS00059	Traffic Controller Skill Set for High Volume Roads Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. This version has been updated in consultation with the Industry Reference Committee.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
RIISS00060	Traffic Management Implementer Skill Set for Urban Streets and Low Volume Rural Roads Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. This version has been updated in consultation with the Industry Reference Committee.
RIISS00061	Traffic Management Implementer Skill Set for High Volume Roads Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. This version has been updated in consultation with the Industry Reference Committee.
RIISS00062	Traffic Management Implementer Skill Set for Motorways and Freeways Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. This version has been updated in consultation with the Industry Reference Committee.
RIISS00063	Traffic Management Designer Skill Set for Urban Streets and Low Volume Rural Roads Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
							This version has been updated in consultation with the Industry Reference Committee.
RIISS00064	Traffic Management Designer Skill Set for High Volume Roads Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. This version has been updated in consultation with the Industry Reference Committee.
RIISS00065	Traffic Management Designer Skill Set for Motorways and Freeways Skill Set	BuildSkills	N/A	N/A	N/A	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. This version has been updated in consultation with the Industry Reference Committee.
RIISS00066	Civil Infrastructure Asset Management - Road Pavements Skill Set	BuildSkills	N/A	N/A	N/A	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created skill set.
RIISS00067	Civil Infrastructure Asset Management - Roadside Infrastructure Skill Set	BuildSkills	N/A	N/A	N/A	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created skill set.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
RIISS00068	Civil Infrastructure Asset Management - Stormwater Drainage Skill Set	BuildSkills	N/A	N/A	N/A	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created skill set.
RIISS00069	Civil Infrastructure Asset Management - Civil Structures Skill Set	BuildSkills	N/A	N/A	N/A	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created skill set.
RIISS00070	Civil Infrastructure Asset Management - Civil Foundations Skill Set	BuildSkills	N/A	N/A	N/A	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created skill set.
RIISS00071	Civil Infrastructure Asset Management - Water and Sewerage Mains Skill Set	BuildSkills	N/A	N/A	N/A	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created skill set.
RIISS00072	Civil Infrastructure Asset Management - Underground Services Skill Set	BuildSkills	N/A	N/A	N/A	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created skill set.
RIISS00073	Civil Infrastructure Asset Management - Open Spaces Skill Set	BuildSkills	N/A	N/A	N/A	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created skill set.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
RIISS00074	Civil Infrastructure Asset Management - Analyse Data for Asset Management Decision Making Skill Set	BuildSkills	N/A	N/A	N/A	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created skill set.
RIISS00075	Work with Data in an Autonomous Workplace Skill Set	Shared	N/A	N/A	N/A	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created skill set.
RIISS00133	Underground Mine Safety Skill Set	AUSMASA	RIISS00033	Underground Coal Mine Safety Skill Set	E	4	This version first released with the RII Resources and Infrastructure Industry Training Package Version 11.0. Updates to the title, pathways information and target group Replaced RIERR205D Apply initial response First Aid with HLTAID011 Provide First Aid HLT First Aid units are nationally recognised units of competency and accepted standard in this field.
RIISS00134	Surface Mine Safety Skill Set	Shared	RIISS00034	Surface Coal Mine Safety Skill Set	E	5	This version first released with the RII Resources and Infrastructure Industry Training Package Version 11.0. Updates to the title and target group

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	Skill Sets Equivalency	Release Number	Notes
							Replaced RIIERR205D Apply initial response First Aid with HLTAID011 Provide First Aid HLT First Aid units are nationally recognised units of competency and accepted standard in this field.

RII Version 11.0: List of Units of Competency (UoC) and Mapping

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIARO201	Work in autonomous operations	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIARO202	Use data and technology to complete work in autonomous operations	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIARO301	Work safely in autonomous environments	Shared	N/A	N/A	N/A	2	First released in RII Resources and Infrastructure Industry Training Package version 9.0 Minor changes to the two knowledge evidence items
RIIARO302	Work safely with remotely piloted aircraft systems	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 7.0
RIIARO303	Operate equipment in autonomous environments	Shared	N/A	N/A	N/A	2	First released in RII Resources and Infrastructure Industry Training Package version 9.0 Minor changes to the two knowledge evidence items
RIIARO304	Coordinate and interact with autonomous systems	Shared	N/A	N/A	N/A	2	First released in RII Resources and Infrastructure Industry Training Package version 9.0 Minor changes to the two knowledge evidence items
RIIARO305	Build and maintain routes for autonomous operations	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 7.0
RIIARO306	Respond to obstructions to autonomous operations	Shared	N/A	N/A	N/A	2	First released in RII Resources and Infrastructure Industry Training Package version 9.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							Minor changes to the two knowledge evidence items
RIIARO307	Activate and deactivate autonomous systems	Shared	N/A	N/A	N/A	2	First released in RII Resources and Infrastructure Industry Training Package version 9.0. Minor changes to the two knowledge evidence items
RIIARO308	Use data in an autonomous workplace	Shared	N/A	N/A	N/A	1	New UoC First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIARO401	Supervise autonomous operations	Shared	N/A	N/A	N/A	2	First released in RII Resources and Infrastructure Industry Training Package version 9.0 Minor changes to the two knowledge evidence items
RIIARO402	Optimise performance of complex control systems in autonomous operations	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIARO403	Maintain continuity of operational control	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIARO404	Improve outcomes within a distributed value chain network	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIARO405	Optimise automated drilling operations	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIARO406	Optimise automated haulage operations	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIARO407	Optimise automated fixed plant operations	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIARO408	Optimise automated wet processing plant operations	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIARO409	Optimise automated in-loading and out-loading operations	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIARO410	Control safety risks in autonomous operations	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package 9.0
RIIARO411	Manage situational awareness	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIBEF201	Plan and organise work	Shared	RIIBEF201E	Plan and organise work	E	1	Performance Criteria: · Reworking of PCs for consistency, using concise action verbs and tasks consistent with standard site terminology. · Alignment of work activities with the relevant legislative requirements other relevant procedures or requirements applicable to each work activity (e.g. SWMS, worksite instructions, manufacturer instructions, WHS requirements etc.). · Clarification of scope of responsibility in PC 1.3.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							- Delete irrelevant PC 2.2 which is encompassed under PC 4.3. - Relocate PC 3.2 under the correct Element (2) and reword according to industry requirements. Performance Evidence: - Minor grammatical changes. - Alignment with amendments to PCs regarding references to legislative and/or workplace requirements. Knowledge Evidence: - Alignment with changes made regarding references to legislative and/or workplace requirements. Assessment Conditions (Assessor Requirements): - Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” - Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. - Simplification of remaining wording to align with industry requirements.
RIIBEF202E	Identify and rectify site operating problems	Shared	RIIBEF202D	Identify and rectify site operating problems	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIIBEF301D	Run on-site operations	Shared	RIIBEF301A	Run on-site operations	E	3	Required frequency and volume of evidence amended in Performance evidence.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm
RIIBEF302E	Monitor site production activities	Shared	RIIBEF302D	Monitor site production activities	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIIBEF401E	Manage non-routine and complex technical situations	Shared	RIIBEF401D	Manage non-routine, complex technical situations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIIBEF402D	Supervise on-site operations	Shared	RIIBEF402A	Supervise on-site operations	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIBEF403	Collaborate to achieve quality outcomes	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIBEF404	Undertake informed and dynamic decision making	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIBEF405	Optimise personal performance	Shared	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIIBEF601E	Conduct business negotiations	Shared	RIIBEF601D	Conduct business negotiations	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIBEF602E	Establish and evaluate operational performance management systems	Shared	RIIBEF602D	Establish and evaluate operational performance management systems	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIIBEF604E	Conduct a feasibility study	Shared	RIIBEF604D	Conduct a feasibility study	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIIBHD301E	Conduct surface blast hole drilling operations	AUSMASA	RIIBHD301D	Conduct surface blast hole drilling operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIIBHD302E	Conduct underground development drilling	AUSMASA	RIIBHD302D	Conduct underground development drilling	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIIBHD303E	Conduct long hole drilling	AUSMASA	RIIBHD303D	Conduct long hole drilling	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIIBHD401D	Supervise blast hole drilling operations	AUSMASA	RIIBHD401A	Supervise blast hole drilling operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIBLA201E	Support shotfiring operations	Shared	RIIBLA201D	Support shotfiring operations	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA202F	Support underground shotfiring operations	AUSMASA	RIIBLA202E	Support underground shotfiring operations	E	1	Minor updates to all sections to reflect operator's role. First released in RII Resources and Infrastructure Industry Training Package version 3.0
RIIBLA203E	Conduct mobile mixing of explosives	AUSMASA	RIIBLA203D	Conduct mobile mixing of explosives	E	1	Minor updates to all sections to reflect operator's role. First released in RII Resources and

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							Infrastructure Industry Training Package version 3.0
RIIBLA204E	Store, handle and transport explosives in underground coal mines	AUSMASA	RIIBLA204D	Store, handle and transport explosives in underground coal mines	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA205E	Store, handle and transport explosives	Shared	RIIBLA205D	Store, handle and transport explosives	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA301E	Conduct surface shotfiring operations	Shared	RIIBLA301D	Conduct surface shotfiring operations	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA302E	Conduct shotfiring operations in underground coal mines	AUSMASA	RIIBLA302D	Conduct shotfiring operations in underground coal mines	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA303E	Conduct underground development shotfiring	AUSMASA	RIIBLA303D	Conduct underground development shotfiring	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA304E	Conduct underground production shotfiring	AUSMASA	RIIBLA304D	Conduct underground production shotfiring	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA305E	Conduct secondary blasting	AUSMASA	RIIBLA305D	Conduct secondary blasting	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA307E	Conduct a blast survey	Shared	RIIBLA307D	Conduct a blast survey	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA401E	Manage blasting operations	Shared	RIIBLA401D	Manage blasting operations	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA402E	Monitor and control the effects of blasting on the environment	Shared	RIIBLA402D	Monitor and control the effects of blasting on the environment	E	1	First released in RII Resources and Infrastructure Industry Training Package v 5.0
RIIBLA403	Design blasts	Shared	RIIBLA601E	Design blasts	E	2	Minor amendment to Performance Criteria to correct typographical error.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIBLA602E	Establish and maintain explosives safety and security management systems	AUSMASA	RIIBLA602D	Establish and maintain a blasting system	NE	1	First released in RII Resources and Infrastructure Industry Training Package version 7.0
RIICAM401	Conduct a condition assessment of road pavements	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAM402	Conduct a condition assessment of roadside infrastructure	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAM403	Conduct a condition assessment of stormwater drainage	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAM404	Conduct a condition assessment of civil structures	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAM405	Conduct a condition assessment of civil foundations	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAM406	Conduct a condition assessment of water and sewerage mains	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAM407	Conduct a condition assessment of underground services	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAM408	Conduct a condition assessment of open spaces	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0

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RIICAM409	Manage civil infrastructure datasets	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAM410	Maintain asset inventories	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAM501	Analyse and interpret civil infrastructure asset datasets	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAM502	Make decisions using civil infrastructure asset data	BuildSkills	N/A	N/A	N/A	1	New UoC . First released in RII Resources and Infrastructure Industry Training Package version 8.0
RIICAR301D	Rehabilitate exploration site	AUSMASA	RIICAR301A	Rehabilitate exploration site	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIICAR302D	Rehabilitate small mine site	AUSMASA	RIICAR302A	Rehabilitate small mine site	E	2	Editorial corrections. Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIICBM201E	Strip pile heads	BuildSkills	RIICBM201D	Strip pile heads	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICBM301E	Maintain concrete bridges	BuildSkills	RIICBM301D	Maintain concrete bridges	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICBM302E	Install pre-cast girders	BuildSkills	RIICBM302D	Install pre-cast girders	NE	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICBM303E	Install pre-cast parapets	BuildSkills	RIICBM303D	Install pre-cast parapets	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICBM304E	Operate bridge inspection units	BuildSkills	RIICBM304D	Operate a bridge inspection unit	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICBM305E	Install pre-cast concrete bridge decks	BuildSkills	RIICBM305D	Install pre-cast concrete bridge decks	NE	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICBM306E	Undertake concreting work on concrete bridges	BuildSkills	RIICBM306D	Undertake concreting work on concrete bridges	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICBM307E	Construct formwork and false work on concrete bridges	BuildSkills	RIICBM307D	Construct formwork and false work on concrete bridges	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICBS202E	Hand spread asphalt	BuildSkills	RIICBS202D	Hand spread asphalt	E	2	Minor change to knowledge evidence.
RIICBS203E	Safely handle bituminous materials	BuildSkills	RIICBS203D	Safely handle bituminous materials	E	2	Minor change to knowledge evidence.
RIICBS207E	Take samples of road surfacing materials	BuildSkills	RIICBS207D	Take samples of materials used in road surfacing	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS301E	Conduct profile planer operations	BuildSkills	RIICBS301D	Conduct profile planer operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

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RIICBS302E	Conduct paver screeding operations	BuildSkills	RIICBS302D	Conduct paver screeding operations	E	2	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS303E	Conduct materials transfer vehicle operations	BuildSkills	RIICBS303D	Conduct materials transfer vehicle operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS304E	Compact asphalt with rollers	BuildSkills	RIICBS304D	Compact asphalt with rollers	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS305E	Conduct asphalt paver operation	BuildSkills	RIICBS305D	Conduct asphalt paver operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS306E	Conduct micro surfacing operations	BuildSkills	RIICBS306D	Conduct slurry sealing operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS307E	Conduct bitumen sprayer operations	BuildSkills	RIICBS307D	Conduct bitumen sprayer operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

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RIICBS308E	Load aggregate using purpose built loaders	BuildSkills	RIICBS308D	Load aggregate using a purpose built loader	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS309E	Conduct self-propelled aggregate spreader operations	BuildSkills	RIICBS309D	Conduct self-propelled aggregate spreader operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS310E	Conduct patching operations	BuildSkills	RIICBS310D	Conduct patching operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS311E	Produce asphalt products	BuildSkills	RIICBS311D	Produce asphalt products	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS312E	Conduct bitumen tanker operations	BuildSkills	RIICBS312D	Conduct bitumen tanker operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS313	Conduct tack coat spraying operations	BuildSkills	RIICBS201D	Conduct tack coat spraying operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

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RIICBS314	Conduct aggregate spreader box operations	BuildSkills	RIICBS204D	Conduct aggregate spreader box operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS315	Roll aggregate in sprayed sealing operations	BuildSkills	RIICBS205D	Roll aggregate in sprayed sealing operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS316	Conduct pavement sweeping operations	BuildSkills	RIICBS206D	Conduct pavement sweeping operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS317	Conduct road maintenance operations	BuildSkills	RIICBS208D	Conduct road maintenance operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS401E	Supervise asphalt paving and compaction operations	BuildSkills	RIICBS401D	Apply the principles of asphalt paving and compaction	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS402E	Supervise the application of bituminous sprayed treatments	BuildSkills	RIICBS402D	Apply the principles for the application of bituminous sprayed treatment	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

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RIICBS403E	Supervise the application of polymer modified binders	BuildSkills	RIICBS403D	Apply the principles for the application of polymer modified binder	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS404E	Supervise the selection and use of bituminous emulsions	BuildSkills	RIICBS404D	Apply the principles for the selection and use of bituminous emulsion	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS405E	Supervise micro surfacing operations	BuildSkills	RIICBS405D	Apply the principles for the application of slurry surfacing	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS406E	Supervise pavement profiling operations using a profiler	BuildSkills	RIICBS406D	Apply the principles of pavement profiling using a profiler	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS407E	Supervise the manufacture and delivery of hot mix asphalt	BuildSkills	RIICBS407D	Apply the principles for the manufacture and delivery of hot mix asphalt	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS408E	Supervise the manufacture of cold mixes	BuildSkills	RIICBS408D	Apply the principles for the manufacture of cold mix	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

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RIICBS409E	Supervise the manufacture of polymer modified binders	BuildSkills	RIICBS409D	Apply the principles for the manufacture of polymer modified binder	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS410E	Supervise the manufacture of bituminous emulsions	BuildSkills	RIICBS410D	Apply the principles for the manufacture of bituminous emulsion	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICBS411E	Supervise the manufacture of micro surfacing mixes	BuildSkills	RIICBS411D	Apply the principles for the manufacture of slurry surfacing	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICCM201E	Carry out measurements and calculations	Shared	RIICCM201D	Carry out measurements and calculations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIICCM202	Identify, locate and protect underground services	BuildSkills	RIICCM202E	Identify, locate and protect underground services	E	1	Elements: · Addition of NEW Element (2.) “Work safely in proximity to powerline infrastructure”. · Original Element (2.) relocated to Element (3.). · Original Element (3.) relocated to Element (4.). · Original Element (4.) relocated to Element (5.). Performance Criteria: · Renumbering/reordering PCs in line with Elements. · Rewording of PCs for consistency, using concise action verbs and tasks consistent with standard site terminology. · Alignment of work activities with the relevant legislative requirements other relevant procedures

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							or requirements applicable to each work activity (e.g. SWMS, worksite instructions, manufacturer instructions, WHS requirements etc.). · Expansion of PC 1.6 to specify environmental controls across soil, water, vegetation, and waste. · Inclusion of PPE-specific PC (1.9). · Addition of new PCs 2.1-2.5. · Rewording of PCs 3.1-3.7 and 4.1-4.7 to outcome-based statements focusing on approved protection methods, non-destructive excavation, and maintaining separation distances. Performance Evidence: · Inclusion of “working safely in proximity to powerline infrastructure”. Knowledge Evidence: · Inclusion of PPE and power line knowledge requirements. · Amending of “Dial Before You Dig” to “national pre-excavation service” for future-proof wording. Assessment Conditions (Assessor Requirements): · Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” · Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing.

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							· Simplification of remaining wording to align with industry requirements.
RIICCM203E	Read and interpret plans and job specifications	Shared	RIICCM203D	Read and interpret plans and job specifications	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0. Release created to correct mapping error.
RIICCM204E	Place and fix reinforcement materials	BuildSkills	RIICCM204D	Place and fix reinforcement materials	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICCM205E	Carry out manual excavation	BuildSkills	RIICCM205D	Carry out manual excavation	E	1	Performance evidence removed 'using concreting tools, plant and equipment. Added mapping table.
RIICCM205F	Carry out manual excavation	BuildSkills	RIICCM205E	Carry out manual excavation	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICCM206	Support plant operations	BuildSkills	RIICCM206E	Support plant operations	E	1	Elements: · Element (1.) wording simplified from “Plan and prepare for supporting plant operations” to “Plan and prepare for work”. · Element (3.) wording simplified from “Support the operators” to “Support plant operators”. Performance Criteria: · Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. · Alignment of work activities with the relevant legislative requirements other relevant procedures or requirements applicable to each work activity (e.g. SWMS, worksite instructions, manufacturer instructions, WHS requirements etc.). · Simplification of PCs 1.2 and 1.3 to focus on task confirmation and proactive risk identification.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							• Addition of exclusion zones setup and machinery service status check at PCs 1.6 and 1.8. • Addition of machinery service status check at PC 1.9. • Original PC 1.5 relocated to PC 1.10. • PCs 2.1-2.3 reworded and realigned with scope of responsibility. • Support duties streamlined in PCs 3.1-3.3 and r removal of tasks not applicable to the role in original PCs 3.5-3.8. • Minor rewording in PCs 4.1-4.4. Performance Evidence: • Realignment of evidence requirements in line with scope of responsibility. • Clarification and rewording of legislative/ procedural requirements (e.g. SWMS, JSA etc.). Knowledge Evidence: • Common hazard events and control measures added. • Service identification and protection requirements added including specific articulation of “overhead and underground”. • References to rock and soil identification removed. • References to “materials safety data sheet (SDSW)” removed. • References to “types, characteristics, technical capabilities and limitations of plant and equipment” removed. • “Civil construction terminology” knowledge requirement removed. • Integrated references to SWMS/JSA.

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							Assessment Conditions: · Access to “relevant documentation” added. Assessment Conditions (Assessor Requirements): · Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” · Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. · Simplification of remaining wording to align with industry requirements.
RIICCM207E	Spread and compact materials manually	BuildSkills	RIICCM207D	Spread and compact materials manually	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICCM208	Carry out basic levelling	BuildSkills	RIICCM208E	Carry out basic levelling	E	1	Application: · Refinement of wording to reduce tautology. Elements: · Element (3.) reworded to reflect up-to-date variety of levelling technology, by referring to “instruments” instead of a single “device”. Performance Criteria: · Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. · Alignment of work activities with the relevant legislative requirements other relevant procedures or requirements applicable to each work activity

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							(e.g. SWMS, worksite instructions, manufacturer instructions, WHS requirements etc.). · Introduction of new PCs (1.6, 1.9) to address site exclusion zones and pre-start. · Expanded wording in PCs 2.1-2.3 and 3.2 to accommodate evolving technology and work practices. Performance Evidence: · Expanded wording to accommodate evolving technology and work practices. · Inclusion of PPE requirements. · Expanded requirements for basic levelling techniques to include instrument descriptions, calculations and processes. · Examples of communication methods and equipment articulated. · Reporting modes articulated. Knowledge Evidence: · Integrated references to SWMS/JSA etc. · Site safety expanded to include “warning methods to alert bystanders when using lasers”. · Service identification and protection requirements added including specific articulation of “overhead and underground”. · Tolerance checks reworded to remove specific reference to “two peg test” removed. · References to “materials safety data sheet (SDSW)” removed. · References to “types, characteristics, technical capabilities and limitations of plant and equipment” realigned with relevant equipment.

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							• “Civil construction terminology” knowledge requirement removed. Assessment Conditions (Assessor Requirements): • Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” • Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. • Simplification of remaining wording to align with industry requirements.
RIICCM209	Carry out concrete work	BuildSkills	RIICCM209E	Carry out concrete work	E	1	Application: • Clarification and refinement of scope by adding “basic slab-on ground concrete and other common basic concrete works” to improve accuracy and industry alignment. • Simplification of language for improved flow and readability while retaining the same overall intent and meaning. Elements: • Original Elements (4.) and (5.) switched to reflect the workflow of erecting formwork before constructing and fitting reinforcement. Performance Criteria: • Renumbering/reordering PCs in line with Elements.

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							· Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. · Alignment of work activities with the relevant legislative requirements other relevant procedures or requirements applicable to each work activity (e.g. SWMS, worksite instructions, manufacturer instructions, WHS requirements etc.). · Reordering PCs 1.1–1.6 to streamline workflow. · PCs 1.5 and 1.6 combined. · Added criterion of checking plans and discrepancies at PC 2.1. · Expanded criteria at PC 3.1 to accurately reflect set-out activities. · Addition of “as required” to applying release agent activity to accommodate different formwork materials (e.g. wood, steel etc). · New PC 6.1 introduces erection of exclusion zones linked to SWMS/JSA to strengthen site safety controls. · PCs 7.1–7.6 expanded to clarify authority boundaries and safety obligations. · PCs 8.1–8.6 revised. Performance Evidence: · Expansion of the performance description to “basic slab-on ground concrete and other common basic concrete works”, providing clearer context and application. · Content revised to reflect competency-based performance expectations. · Reference added to safe use practices. Knowledge Evidence:

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							· Integrated references to SWMS/JSA etc. · References to “materials safety data sheet (SDSW)” removed. · Inclusion of PPE knowledge requirement. · Deletion of reference to “cleaning screens before movement”. Assessment Conditions (Assessor Requirements): · Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” · Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. · Simplification of remaining wording to align with industry requirements.
RIICCM210	Install trench support	BuildSkills	RIICCM210E	Install trench support	E	1	Performance Criteria: · Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. · Alignment of work activities with the relevant legislative requirements other relevant procedures or requirements applicable to each work activity (e.g. SWMS, worksite instructions, manufacturer instructions, WHS requirements etc.). · NEW PC 1.9 added to encompass preparation for “continuous positive communication”.

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							· Expansion of PCs 2.1–2.3 to improve clarity around site coordination and professional accountability. · Rewording and restructuring of PCs 2.4–2.8 to integrate engineered design and manufacturer specifications, inclusion of spoil placement outside the zone of influence, and control measures for water, debris, and changing ground conditions, aligning with current trenching safety standards. · Addition of installing shoring from the surface where practicable (PC 2.5) to promote safer installation methods. · PC 2.9 amended to include safe access and egress to strengthen risk control practices. · Significant expansion of the removal process (PCs 3.1–3.7) introducing inspection by a competent person, manufacturer-guided removal sequences and safe method statements for dismantling. · PCs 4.1–4.4 expanded. Performance Evidence: · Content revised to reflect competency-based performance expectations. · “Positive” added to the communication technique requirements. Knowledge Evidence: · Inclusion of PPE knowledge requirement. Assessment Conditions (Assessor Requirements): · Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor

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							requirements in applicable vocational education and training legislation, frameworks and/or standards.” · Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. · Simplification of remaining wording to align with industry requirements.
RIICCM211E	Construct and dismantle fences and gates	BuildSkills	RIICCM211D RIICCM301D	Erect and dismantle temporary fencing and gates Construct and dismantle fences and gates	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICCM302	Track directional boring operations	BuildSkills	N/A	N/A	N/A	1	New UoC. First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICCM303	Conduct vacuum excavations	BuildSkills	N/A	N/A	N/A	1	New UoC. First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICCR401E	Develop and maintain positive community relations	Shared	RIICCR401D	Develop and maintain positive community relations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIICCR601D	Manage customer relationships	Shared	RIICCR601A	Manage customer relationships	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIICFW301E	Construct underpinning	BuildSkills	RIICFW301D	Construct underpinning	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICFW302E	Install temporary and permanent rock anchors	BuildSkills	RIICFW302D	Install temporary and permanent rock anchors	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICFW303E	Install primary ground supports	BuildSkills	RIICFW303D	Install primary ground support	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICFW304E	Conduct pile driving operations	BuildSkills	RIICFW304D	Conduct pile driving operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICFW305E	Conduct cast in-situ pilings operations	BuildSkills	RIICFW305D	Conduct cast in-situ pilings operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICFW306E	Direct pile driving operations	BuildSkills	RIICFW306D	Direct pile driving operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICFW307E	Direct cast in-situ piling operations	BuildSkills	RIICFW307D	Direct cast in-situ piling operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICFW308	Conduct screw piling operations	BuildSkills	N/A	N/A	N/A	1	New UoC. First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICOM201E	Communicate in the workplace	Shared	RIICOM201D	Communicate in the workplace	E	1	First released in RII Resources and Infrastructure Industry Training Package version 5.0
RIICOM202	Contribute to effectiveness of communication and teamwork in an autonomous workplace	Shared	N/A	N/A	N/A	1	New UoC. First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIICOM301E	Communicate information	Shared	RIICOM301D	Communicate Information	E	3	Amended typographical error in Performance Evidence and Unit Mapping Information.
RIICOM302D	Communicate workplace information	Shared	RIICOM302A	Communicate workplace information	E	4	This version was released with RII Resources and Infrastructure Industry Training Package V7.1. Usage recommendation updated.

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RIICOM401	Communicate effectively in a remote work environment	Shared	N/A	N/A	N/A	1	New UoC. First released in RII Resources and Infrastructure Industry Training Package version 9.0
RIICPL301E	Install water mains pipelines	BuildSkills	RIICPL301D	Install water mains pipelines	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICPL302E	Install stormwater systems	BuildSkills	RIICPL302D	Install stormwater systems	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICPL303E	Install sewer pipelines	BuildSkills	RIICPL303D	Install sewer pipelines	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICPL304E	Install pre-cast gully pits	BuildSkills	RIICPL304D	Install pre-cast gully pits	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICPL305E	Install pre-cast access chambers	BuildSkills	RIICPL305D	Install pre-cast access chambers	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICPL401E	Supervise the installation of underground services using open excavation	BuildSkills	RIICPL401D	Apply the principles for the installation of underground service using open excavation	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 8.0. Minor update of unit of competency. Amendments made to wording of elements and performance criteria to better reflect intent.
RIICRC201E	Repair potholes	BuildSkills	RIICRC201D	Repair potholes	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC202E	Install signs	BuildSkills	RIICRC202D	Install signs	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC203E	Install sub-soil drainage	BuildSkills	RIICRC203D	Install sub-soil drainage	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC204E	Install and maintain roadside fixtures	BuildSkills	RIICRC204D	Install and maintain roadside fixtures	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICRC205E	Install utility poles	BuildSkills	RIICRC205D	Install utility poles	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC206E	Install pre-cast concrete crash barriers	BuildSkills	RIICRC206D	Install pre-cast concrete crash barriers	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC207E	Install noise barriers	BuildSkills	RIICRC207D	Install noise barriers	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC208D	Lay pipes	BuildSkills	RIICRC208A	Lay pipes	E	3	Correct typo in Performance Evidence. No new content
RIICRC208E	Lay pipes	BuildSkills	RIICRC208D	Lay pipes	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC209E	Lay reinforced concrete box culverts	BuildSkills	RIICRC209D	Lay reinforced concrete box culverts	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC301E	Maintain drainage systems	BuildSkills	RIICRC301D	Maintain drainage systems	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC302E	Place and form concrete kerb, channel and fixtures	BuildSkills	RIICRC302D	Place and form concrete kerb, channel and fixtures	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC303E	Lay pavers	BuildSkills	RIICRC303D	Lay pavers	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC304E	Maintain sealed roads	BuildSkills	RIICRC304D	Maintain sealed roads	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC305E	Conduct road construction paver screeding operations	BuildSkills	RIICRC305D	Conduct road construction paver screeding operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC306E	Conduct earthworks	BuildSkills	RIICRC306D	Conduct earthworks	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC307E	Conduct road pavement construction	BuildSkills	RIICRC307D	Conduct road pavement construction	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC308E	Conduct paver operations	BuildSkills	RIICRC308D	Conduct paver operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICRC309E	Conduct stabiliser operations	BuildSkills	RIICRC309D	Conduct stabiliser operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC310E	Construct and maintain roads	BuildSkills	RIICRC310D	Construct and maintain roads	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC311E	Conduct concrete road paver operations	BuildSkills	RIICRC311D	Conduct concrete road paver operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC312E	Set up and maintain concrete paver stringlines	BuildSkills	RIICRC312D	Set up and maintain concrete paver stringlines	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC313E	Conduct concrete road curing and texturing operations	BuildSkills	RIICRC313D	Conduct concrete road curing and texturing operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC314E	Handle concrete materials	BuildSkills	RIICRC314D	Handle concrete materials	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC315E	Use concreting materials and equipment	BuildSkills	RIICRC315D	Use concreting materials and equipment	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC316E	Place and compact concrete	BuildSkills	RIICRC316D	Place and compact concrete	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC317E	Finish concrete pavements	BuildSkills	RIICRC317D	Finish concrete pavements	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC318E	Cure concrete	BuildSkills	RIICRC318D	Cure concrete	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC319E	Saw and cut concrete pavements to initiate planned cracks	BuildSkills	RIICRC319D	Saw and cut concrete pavements to initiate planned cracks	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC320E	Seal concrete pavements	BuildSkills	RIICRC320D	Seal concrete pavements	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC321E	Use automated paving guidance systems	BuildSkills	RIICRC321D	Use automated paving guidance systems	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICRC322E	Receive, check and record concrete deliveries	BuildSkills	RIICRC322D	Receive, check and record concrete deliveries	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC323E	Insert tie bars in fresh concrete	BuildSkills	RIICRC323D	Insert tie bars in fresh concrete	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC401E	Supervise flexible pavement construction	BuildSkills	RIICRC401D	Apply the principles of flexible pavement construction	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC402E	Supervise rigid pavement construction	BuildSkills	RIICRC402D	Apply the principles of rigid pavement construction	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC403E	Supervise the stabilisation of materials	BuildSkills	RIICRC403D	Apply the principles of the stabilisation of materials	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC404E	Inspect and report on pavement condition	BuildSkills	RIICRC404D	Inspect and report on pavement condition	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC405E	Carry out pavement condition measurement	BuildSkills	RIICRC405D	Carry out pavement condition measurement	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRC406E	Supervise pavement maintenance	BuildSkills	RIICRC406D	Apply the principles of pavement maintenance	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRM201F	Escort mobile works	BuildSkills	RIICRM201E	Escort mobile works	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRM202E	Handle and store road marking materials	BuildSkills	RIICRM202D	Handle and store road marking materials	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRM203E	Conduct pedestrian road marking operations	BuildSkills	RIICRM203D	Conduct pedestrian road marking operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRM204E	Prepare surfaces for road marking	BuildSkills	RIICRM204D	Prepare surfaces for road marking	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRM205E	Conduct road marking measuring operations	BuildSkills	RIICRM205D	Conduct road marking measuring operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICRM206E	Conduct airless and atomised spraying operations	BuildSkills	RIICRM206D	Conduct airless and atomised spraying operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRM207E	Install raised pavement markers	BuildSkills	RIICRM207D	Install raised pavement markers	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRM301E	Conduct ride on road marking operations	BuildSkills	RIICRM301D	Conduct ride on road marking operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRM302E	Conduct long line road marking operations	BuildSkills	RIICRM302D	Conduct long line road marking operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICRM303E	Conduct thermo plastic road marking operations	BuildSkills	RIICRM303D	Conduct thermo plastic road marking operations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICSG401E	Supervise civil concrete structure construction	BuildSkills	RIICSG401D	Apply the principles of civil concrete structures construction	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICSG402E	Supervise civil steel structure construction	BuildSkills	RIICSG402D	Apply the principles of civil steel structures construction	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICSG403E	Supervise civil timber structure construction	BuildSkills	RIICSG403D	Apply the principles of civil timber structure construction	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICSG404E	Supervise civil masonry, crib and gabion structure construction	BuildSkills	RIICSG404D	Apply the principles of civil masonry, crib and gabion structure construction	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICSG405E	Carry out inspections of civil structures	BuildSkills	RIICSG405D	Carry out inspections of civil structures	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICSG406E	Supervise maintenance of civil structures	BuildSkills	RIICSG406D	Apply principles of maintenance of civil structures	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICTB201E	Maintain timber bridges	BuildSkills	RIICTB201D	Maintain timber bridges	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB202E	Apply bridge durability treatments	BuildSkills	RIICTB202D	Apply bridge durability treatments	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB203E	Produce bridge drawings and sketches	BuildSkills	RIICTB203D	Produce drawings and sketches	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB301E	Undertake visual inspections	BuildSkills	RIICTB301D	Undertake visual inspection	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB302E	Install temporary support members	BuildSkills	RIICTB302D	Install temporary support members	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB303E	Erect temporary modular support systems (baileys) on existing bridges	BuildSkills	RIICTB303D	Erect a temporary modular support system (bailey) on an existing bridge	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB304E	Install or replace sub-structure members	BuildSkills	RIICTB304D	Install or replace sub-structure members	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB305E	Install or replace super-structure members	BuildSkills	RIICTB305D	Install or replace super-structure members	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB306E	Splice and connect timber members	BuildSkills	RIICTB306D	Splice and connect timber members	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB307E	Assemble and disassemble temporary modular bridges	BuildSkills	RIICTB307D	Assemble a temporary modular bridge	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB308E	Install or replace truss members	BuildSkills	RIICTB308D	Install or replace truss members	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB309E	Construct, maintain and remove coffer dams	BuildSkills	RIICTB309D	Construct, maintain and remove coffer dams	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTB310E	Construct specialised timber deck systems	BuildSkills	RIICTB310D	Construct specialised timber deck systems	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICTC301E	Install tunnelling constructions services	BuildSkills	RIICTC301D	Install tunnelling constructions services	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTC302E	Line tunnels	BuildSkills	RIICTC302D	Line tunnel	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTC303E	Excavate tunnel by machine	BuildSkills	RIICTC303D	Excavate tunnel by machine	E	2	This version was released with RII Resources and Infrastructure Industry Training Package Version 7.1. This release made editorial corrections to Knowledge Evidence.
RIICTC304E	Muck out tunnel earthworks	BuildSkills	RIICTC304D	Muck out tunnel earthworks	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTC305E	Construct portals	BuildSkills	RIICTC305D	Construct portals	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTC307	Conduct tunnel boring machine operations	BuildSkills	RIICTC306	Conduct tunnel boring machine operations	E	1	Performance Criteria: • Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. • PCs 1.1–1.9 substantially broadened to include Permit to Tunnel (PTT) and Safe Work Method Statement (SWMS) references, adding explicit compliance checkpoints before work begins. • PCs 1.3, 1.6 and 1.7 introduce active risk control and emergency preparedness. • Expansion of pre-operational checks (PCs 2.1-2.9) to include verification of TBM electrical, hydraulic, and safety systems;

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							checks of fluid levels, hoses, alarms, and decals; and explicit reporting procedures. - PCs 3.1–3.11 add requirements for pre-start clearance of personnel, monitoring gauges and control systems, maintaining line and grade alignment, managing cutting rates, torque, and thrust, coordinating with backup systems, and conducting safe shutdown and lockout procedures. - PCs 4.1–4.4 expanded to include operator maintenance, component inspection, and defect reporting prior to general housekeeping. Performance Evidence: - Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. - Replacement of distance-based metrics ($\geq 250\text{m}$ tunnelling/ring building/excavation) with time-based metrics (≥ 1 hour per activity). - Deletion of the requirement to complete and monitor “two cutterhead intervention sessions” to align with scope of responsibility. “Respond to ground conditions within site requirements” added to strengthening real-time operational judgement and risk control.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							• “Identify soil and geological characteristics” removed. • Removal of references to specific persons to communicate with to allow flexibility for different worksite requirements. Knowledge Evidence: • Inclusion of PPE knowledge requirement. • “Techniques for interpreting and applying” list consolidated into single dot point. Assessment Conditions: • Removal of “equipment required to conduct TBM operations” which is the TBM itself and already noted. Assessment Conditions (Assessor Requirements): • Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” • Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. Simplification of remaining wording to align with industry requirements.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICTC401E	Supervise tunnel construction	BuildSkills	RIICTC401D	Apply the principles of tunnel construction	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTC402	Supervise tunnel boring machine operations	BuildSkills	N/A	N/A	N/A	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICTT301E	Conduct fluid assisted directional boring	BuildSkills	RIICTT301D	Conduct fluid assisted directional boring	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICTT302E	Conduct impact moling, ramming and augering operations	BuildSkills	RIICTT302D	Conduct impact moling, ramming and augering	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICTT303E	Control micro tunnelling and pipe-jacking operations	BuildSkills	RIICTT303D	Control micro tunnelling and pipe-jacking	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICTT304E	Undertake on-line replacement for existing pipeline systems	BuildSkills	RIICTT304D	Undertake on-line replacement for existing pipeline systems	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICTT305E	Undertake localised repair and sealing of existing pipeline systems	BuildSkills	RIICTT305D	Undertake localised repair and sealing of existing pipeline systems	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICTT306E	Install cure in-place linings for existing pipeline systems	BuildSkills	RIICTT306D	Install cure in-place linings for existing pipeline systems	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICTT307E	Spray linings for existing pipeline systems	BuildSkills	RIICTT307D	Spray linings for existing pipeline systems	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICTT308E	Install close-fit linings for existing pipeline systems	BuildSkills	RIICTT308D	Install close-fit linings for existing pipeline systems	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICTT309E	Install slip lining in existing pipeline systems	BuildSkills	RIICTT309D	Install slip lining in existing pipeline systems.	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICTT310E	Renovate large diameter pipes and chambers	BuildSkills	RIICTT310D	Renovate large diameter pipes and chambers	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIICTT401E	Supervise the installation of underground services using trenchless technology	BuildSkills	RIICTT401D	Apply the principles for the installation of underground services using trenchless technology	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICTT402E	Supervise repair and rehabilitation of underground services using trenchless technology	BuildSkills	RIICTT402D	Apply principles for repair & rehabilitation of underground services using trenchless technology	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD501E	Prepare detailed design of foundations	BuildSkills	RIICWD501D	Prepare detailed design of foundations	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD502E	Prepare detailed design of lighting	BuildSkills	RIICWD502D	Prepare detailed design of lighting	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD503	Prepare traffic management plans and traffic guidance schemes	BuildSkills	RIICWD503E	Prepare traffic management plans and traffic guidance schemes	E	1	Application (Licencing): · Additional context included regarding OSH/WHS interchangeability and legislative requirements. · Reference to “Austroads Guide to Temporary Traffic Management (AGTTM)” included. Performance Criteria: · Simplification and streamlining of wording to align with current industry and workplace traffic management requirements. · PC 2.2 amended from ‘strategy’ to ‘plan’. · Cost estimation and validation step removed to align with scope of responsibility (formerly PCs 2.3 and 4.3). Performance Evidence: · Wording refined for clarity and consistency, with no alteration to intent or content. Knowledge Evidence: · Policy and procedure requirements expanded. · Reference to the hierarchy of control added at dot point 3. · List of “traffic control measures, signs, devices and equipment” requirements added.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							· “Workplace techniques for implementing traffic management plans and traffic guidance schemes” requirements added. - Assessment Conditions (Assessor Requirements): · Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” · Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. · Simplification of remaining wording to align with industry requirements.
RIICWD504E	Prepare detailed design of environmental controls	BuildSkills	RIICWD504D	Prepare detailed design of environmental controls	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD505E	Prepare detailed design of landscaping	BuildSkills	RIICWD505D	Prepare detailed design of landscaping	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD506E	Prepare detailed design of canals	BuildSkills	RIICWD506D	Prepare detailed design of canals	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD507D	Prepare detailed geotechnical design	BuildSkills	RIICWD507A	Prepare detailed geotechnical design	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICWD508E	Prepare detailed design of rural roads	BuildSkills	RIICWD508D	Prepare detailed design of rural roads	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD509E	Prepare detailed design of urban roads	BuildSkills	RIICWD509D	Prepare detailed design of urban roads	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD510E	Prepare detailed design of busways	BuildSkills	RIICWD510D	Prepare detailed design of busways	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD511E	Prepare detailed design of sub-divisions	BuildSkills	RIICWD511D	Prepare detailed design of sub-divisions	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD512E	Prepare detailed design of motorways and interchanges	BuildSkills	RIICWD512D	Prepare detailed design of motorways and interchanges	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD513E	Prepare detailed design of rail civil infrastructure	BuildSkills	RIICWD513D	Prepare detailed design of rail civil infrastructure	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD514E	Prepare detailed design of dams	BuildSkills	RIICWD514D	Prepare detailed design of dams	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD515E	Prepare detailed design of airfield civil works	BuildSkills	RIICWD515D	Prepare detailed design of airfield civil works	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD516E	Prepare detailed design of bicycle ways	BuildSkills	RIICWD516D	Prepare detailed design of airfield civil works	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD517E	Prepare detailed design of industrial hardstands	BuildSkills	RIICWD517D	Prepare detailed design of industrial hardstands	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD518E	Prepare detailed design of open car parks	BuildSkills	RIICWD518D	Prepare detailed design of open car parks	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD519E	Prepare detailed design of intermodal facilities civil works	BuildSkills	RIICWD519D	Prepare detailed design of intermodal facilities civil works	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD520E	Prepare detailed design of rigid pavements	BuildSkills	RIICWD520D	Prepare detailed design of rigid pavements	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

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RIICWD521E	Prepare detailed design of flexible pavements	BuildSkills	RIICWD521D	Prepare detailed design of flexible pavements	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD522E	Prepare stabilised material mix design	BuildSkills	RIICWD522D	Prepare stabilised material mix design	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD523E	Prepare asphalt mix design	BuildSkills	RIICWD523D	Prepare asphalt mix design	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD524E	Prepare design of spray seal surfacing	BuildSkills	RIICWD524D	Prepare design of spray seal surfacing	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD525E	Select pavement surfacing	BuildSkills	RIICWD525D	Select pavement surfacing	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD526E	Prepare detailed traffic analysis	BuildSkills	RIICWD526D	Prepare detailed traffic analysis	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD527E	Prepare detailed design of traffic signals	BuildSkills	RIICWD527D	Prepare detailed design of traffic signals	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD528E	Prepare detailed design of traffic management systems	BuildSkills	RIICWD528D	Prepare detailed design of traffic management systems	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD529E	Prepare detailed design of underground services	BuildSkills	RIICWD529D	Prepare detailed design of underground services	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD530E	Prepare detailed design of surface drainage	BuildSkills	RIICWD530D	Prepare detailed design of surface drainage	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD531E	Prepare detailed design of subsurface drainage	BuildSkills	RIICWD531D	Prepare detailed design of subsurface drainage	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD532E	Prepare detailed design of tunnels	BuildSkills	RIICWD532D	Prepare detailed design of tunnels	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD533E	Prepare detailed design of civil concrete structures	BuildSkills	RIICWD533D	Prepare detailed design of civil concrete structures	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICWD534E	Prepare detailed design of civil steel structures	BuildSkills	RIICWD534D	Prepare detailed design of civil steel structures	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD535E	Prepare detailed design of civil timber structures	BuildSkills	RIICWD535D	Prepare detailed design of civil timber structures	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD536E	Prepare detailed design of civil masonry, crib and gabion structures	BuildSkills	RIICWD536D	Prepare detailed design of civil masonry, crib and gabion structures	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD537E	Prepare detailed design of marine structures civil works	BuildSkills	RIICWD537D	Prepare detailed design of marine structures civil works	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD538	Prepare traffic management plans and traffic guidance schemes for high volume roads	BuildSkills	N/A	N/A	N/A	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD539	Prepare traffic management plans and traffic guidance schemes for motorways and freeways	BuildSkills	N/A	N/A	N/A	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWD601E	Manage civil works design processes	BuildSkills	RIICWD601D	Manage civil works design processes	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWM401E	Supervise civil works	BuildSkills	RIICWM401D	Supervise civil works	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWM402E	Supervise civil works contractors	BuildSkills	RIICWM402D	Supervise civil works contractors	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWM501E	Implement civil construction plans	BuildSkills	RIICWM501D	Implement civil construction plan	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWM502E	Implement civil works maintenance programs	BuildSkills	RIICWM502D	Implement civil works maintenance program	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIICWM503E	Prepare civil works cost estimates	BuildSkills	RIICWM503D	Prepare civil works cost estimate	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWM504E	Prepare civil works bill of quantities	BuildSkills	RIICWM504D	Prepare civil works bill of quantities	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWM505E	Prepare civil works schedule of rates	BuildSkills	RIICWM505D	Prepare civil works schedule of rates	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWM601E	Establish civil construction plans	BuildSkills	RIICWM601D	Establish civil construction plans	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIICWM602E	Establish civil works maintenance programs	BuildSkills	RIICWM602D	Establish civil works maintenance programs	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIIDES301D	Inspect, test and maintain diesel engine systems and their ancillary systems	AUSMASA	RIIDES301	Inspect, test and maintain diesel engine systems and their ancillary systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIDES302D	Inspect, test and maintain joints on diesel engine systems	AUSMASA	RIIDES302	Inspect, test and maintain joints on diesel engine systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIDES303D	Inspect, test and maintain cooling systems on diesel engine systems	AUSMASA	RIIDES303	Inspect, test and maintain cooling systems on diesel engine systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							experience requirements, how assessment should be conducted and what it should confirm.
RIIDES304D	Inspect, test and maintain inlet systems on diesel engine systems	AUSMASA	RIIDES304	Inspect, test and maintain inlet systems on diesel engine systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIDES305D	Inspect, test and maintain exhaust systems on diesel engine systems	AUSMASA	RIIDES305	Inspect, test and maintain exhaust systems on diesel engine systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIDES306D	Inspect, test and maintain safety shutdown systems on diesel engine systems	AUSMASA	RIIDES306D	Inspect, test and maintain safety shutdown systems on diesel engine systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIDES307D	Test, determine the cause and rectify excessive emission levels on diesel engine systems	AUSMASA	RIIDES307	Test, determine the cause and rectify excessive emission levels on diesel engine systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIDML401E	Supervise demolitions	BuildSkills	RIIDML401D	Apply the principles of demolitions	E	1	First released in RII Resources and Infrastructure Industry Training Package version 6.0
RIIEGS201D	Operate in isolated and remote situations	AUSMASA	RIIEGS201A	Operate in isolated and remote situations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIEGS202E	Conduct field work	AUSMASA	RIIEGS202D	Conduct field work	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIEGS301E	Operate and maintain instruments and field equipment	AUSMASA	RIIEGS301D	Operate and maintain instruments and field equipment	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIEGS302D	Plan and undertake field trip	AUSMASA	RIIEGS302A	Plan and undertake field trip	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIEGS303E	Provide geological field assistance	AUSMASA	RIIEGS303D	Provide geological field assistance	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIEGS304E	Mobilise equipment and materials	AUSMASA	RIIEGS304D	Mobilise equipment and materials	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIEGS305E	Navigate in remote or trackless areas	AUSMASA	RIIEGS305D	Navigate in remote or trackless areas	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIENV201E	Identify and assess environmental and heritage concerns	Shared	RIIENV201D	Identify and assess environmental and heritage concerns	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIENV301E	Conduct atmospheric monitoring	Shared	RIIENV301D	Conduct atmospheric monitoring	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIENV302E	Apply environmentally sustainable work practices	Shared	RIIENV302D	Apply environmentally sustainable work practices	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIENV401E	Supervise dust and noise control	BuildSkills	RIIENV401D	Supervise dust and noise control	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIENV402E	Implement and monitor environmental policies	Shared	RIIENV402D	Implement and monitor environmental policies	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIENV501E	Implement and maintain environmental management plans	Shared	RIIENV501D	Implement and maintain environmental management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIENV502E	Undertake process or project environmental impact assessments	Shared	RIIENV502D	Undertake process or project environmental impact assessment	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0
RIIENV601E	Establish and maintain the environmental management system	Shared	RIIENV601D	Establish and maintain the environmental management system	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIERR201	Conduct fire team operations	Shared	RIERR201E	Conduct fire team operations	E	1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 11.0. Updates to application, performance criteria, knowledge evidence, performance evidence and assessor requirements
RIERR202E	Contribute to the control of emergencies and critical situations	Shared	RIERR202D	Contribute to the control of emergencies and critical situations	E	1	Element and two performance criteria removed. Performance and knowledge evidence substantially amended.
RIERR203E	Escape from hazardous situations unaided	Shared	RIERR203D	Escape from hazardous situations unaided	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIERR204E	Provide aided rescue to endangered personnel	AUSMASA	RIERR204D	Provide aided rescue to endangered personnel	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to all sections.
RIERR205D	Apply initial response First Aid	Shared	RIERR205A	Apply initial response First Aid	E	4	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIERR301E	Respond to work site incidents	Shared	RIERR301D	Respond to mine incident.	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0. Minor editorial corrections

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIERR302E	Respond to local emergencies and incidents	Shared	RIIERR302D	Respond to local emergencies and incidents	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0. Minor editorial corrections
RIIERR303E	Operate in self-contained regenerative oxygen breathing apparatus	Shared	RIIERR303D	Operate in self-contained regenerative oxygen breathing apparatus	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIERR305	Control underground fires	Shared	RIIERR305E	Control underground fires	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0 Updates to: • Pre-requisites • Assessor Requirements
RIIERR306E	Conduct underground searches	Shared	RIIERR306D	Conduct underground searches	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIERR307	Extricate casualties from underground incidents	Shared	RIIERR307E	Extricate casualties from underground incidents	3	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0 Updates to: • Pre-requisites • Assessor Requirements
RIIERR308	Extricate and transport people involved in incidents	Shared	RIIERR308E	Extricate and transport people involved in incidents	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0 Updates to:

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							• Pre-requisites • Assessor Requirements
RIIERR309D	Establish and operate from fresh air base	Shared	RIIERR309A	Establish and operate from fresh air base	E	2	Performance Criteria numbering corrected. Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIERR312	Respond to incidents involving energy storage systems	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0.
RIIERR401E	Apply and monitor emergency preparedness and response systems in surface operations	Shared	RIIERR401D	Apply and monitor surface operations emergency preparedness and response systems	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIERR402E	Apply and monitor underground coal mine emergency preparedness and response systems	AUSMASA	RIIERR402D	Apply and monitor underground coal mine emergency preparedness and response systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIERR403E	Lead rescue teams	Shared	RIIERR403D	Lead rescue teams	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIERR404D	Apply and monitor underground Metalliferous mine emergency	AUSMASA	RIIERR404A	Apply and monitor underground Metalliferous mine emergency	E	5	This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
	preparedness and response systems			preparedness and response systems			Minor editorial corrections
RIIERR405	Control emergencies and critical situations	Shared	RIIERR405D	Control emergencies and critical situations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIERR406	Provide support for rescue operations	AUSMASA	RIIERR406D	Provide support for rescue operations	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIERR501D	Implement underground coal mine emergency preparedness and response systems	AUSMASA	RIIERR501E	Implement underground coal mine emergency preparedness and response systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIERR503D	Implement emergency preparedness and response systems	Shared	RIIERR503A	Implement emergency preparedness and response systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIERR504E	Manage major incidents and emergencies	Shared	RIIERR504D	Manage major incidents and emergencies	E	1	Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIERR601E	Establish and maintain mine emergency preparedness and response systems	AUSMASA	RIERR601D	Establish and maintain mine emergency preparedness and response systems	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0. Minor editorial corrections
RIERR602E	Establish and maintain underground coal mine emergency preparedness and response systems	AUSMASA	RIERR602D	Establish and maintain underground coal mine emergency preparedness and response systems	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIFIA401E	Manage financial records	Shared	RIIFIA401D	Manage financial records	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIGOV201E	Comply with site work processes/procedures	Shared	RIIGOV201D	Comply with site work processes/procedures	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIGOV401E	Apply, monitor and report on compliance systems	Shared	RIIGOV401D	Apply, monitor and report on compliance systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIGOV501E	Identify, implement and maintain legal compliance requirements	Shared	RIIGOV501D	Identify, implement and maintain legal compliance requirements	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIGOV601E	Establish, maintain and develop a statutory compliance management system	Shared	RIIGOV601D	Establish, maintain and develop a statutory compliance management system	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIHAN201E	Operate a forklift	Shared	RIIHAN201D	Operate a forklift	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIHAN203E	Conduct lifting operations	Shared	RIIHAN203D	Conduct lifting operations	E	2	This version was released with RII Resources and Infrastructure Industry Training Package Version 7.1. Performance Evidence amended to define types of hoists to be used in load moving.
RIIHAN204D	Load and unload cargo/goods	Shared	RIIHAN204A	Load and unload cargo/goods	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIHAN205D	Secure cargo	Shared	RIIHAN205A	Secure cargo	NE	4	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIHAN206E	Transport plant, equipment and personnel	Shared	RIIHAN206D	Transport plant, equipment and personnel	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.
RIIHAN208E	Perform dogging	Shared	RIIHAN208D	Perform dogging	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIHAN209E	Perform basic rigging	BuildSkills	RIIHAN209D	Perform basic rigging	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.
RIIHAN210D	Perform intermediate rigging operations	BuildSkills	RIIHAN210A	Perform intermediate rigging operations	E	4	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIHAN211D	Conduct basic scaffolding operations	BuildSkills	RIIHAN211A	Conduct basic scaffolding operations	E	4	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.
RIIHAN212E	Conduct non-slewing crane operations	AUSMASA	RIIHAN212D	Conduct non-slewing crane operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIHAN213E	Work effectively in the drilling industry	AUSMASA	RIIHAN213D	Work effectively in the drilling industry	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIHAN301E	Operate elevating work platform	Shared	RIIHAN301D	Operate elevating work platform	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to all sections to reflect operator's role.
RIIHAN302D	Conduct intermediate scaffolding operations	BuildSkills	RIIHAN302A	Conduct intermediate scaffolding operations	E	4	This version was released with RII Resources and Infrastructure Training Package version 3.0.
RIIHAN304E	Conduct slewing crane operations	AUSMASA	RIIHAN304D	Conduct slewing crane operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to all sections to reflect operator's role.
RIIHAN305D	Operate a gantry or overhead crane	AUSMASA	RIIHAN305A	Operate a gantry or overhead crane	E	4	This version was released with RII Resources and Infrastructure Training Package version 3.0.
RIIHAN307E	Operate a vehicle loading crane	Shared	RIIHAN307D	Operate a vehicle loading crane	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIHAN308	Load and unload plant	BuildSkills	RIIHAN308 F	Load and unload plant	E	1	Elements: · Reference to 'unloading' removed from Element (1.).

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							· Inclusion of *NEW* Elements (2.) “Conduct pre-operational checks” and (5.) “Conduct housekeeping activities”. · Renumbering/reordering elements to align with workflow. · Simplification of wording in Elements (3.) and (4.). Performance Criteria: · Renumbering/reordering PCs in line with Elements. · SWMS/JSA, permits, and movement plans added in PCs 1.1–1.3. · New PCs 2.1-2.4 and 5.1-5.5 added to align with Elements. · Examples of loading aids provided at PC 3.4. · Addition of dimension considerations when loading at PC 3.5. · Addition of visibility requirements at PC 3.6. · Weight distribution requirements added at PC 3.7. · PCs 3.8-3.11 aligned with broader spectrum of legislative and site-based regulatory requirements. · NEW PC 3.11 added to address changing site conditions and safe loading operations. · Hazard identification, verification, and communication requirements added throughout all relevant PCs. · Pre-release check requirement added at PC 4.1. · Traffic management requirements added at PC 4.2. · Safety practices greatly expanded upon in PCs 4.1-4.11. Performance Evidence:

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							· Clarification of the number of occasions a work activity must be demonstrated. · Addition of requirement to load “two different types of equipment” added. · List and specifications of acceptable equipment added to support competency requirements. · Rewording the process of moving the plant onto and off a trailer/float to specify the safety and technical rationale of weight distribution and load stability. · Expanded emphasis on communication, visibility management, and response to changing site conditions. Knowledge Evidence: · Inclusion of PPE knowledge requirement. Assessment Conditions (Assessor Requirements): · Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” · Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. · Simplification of remaining wording to align with industry requirements.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIHAN309F	Conduct telescopic materials handler operations	Shared	RIIHAN309E	Conduct telescopic materials handler operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance and relocation activities, and assessment conditions for attachments.
RIIHAN310E	Conduct crane operations underground	Shared	RIIHAN310D	Conduct crane operations underground	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance and lifting activities.
RIIHAN311F	Conduct operations with integrated tool carrier	BuildSkills	RIIHAN311E	Conduct operations with integrated tool carrier	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance and lifting activities.
RIIHAN401D	Organise and monitor wharf/terminal operations	AUSMASA	RIIHAN401A	Organise and monitor wharf/terminal operations	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMG301E	Maintain site records	Shared	RIIMG301D	Maintain site records	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIILAT401E	Provide leadership in the supervision of Indigenous employees	Shared	RIILAT401D	Provide leadership in the supervision of Indigenous employees	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIILAT402E	Provide leadership in the supervision of diverse work teams	Shared	RIILAT402D	Provide leadership in the supervision of diverse work teams	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0. Editorial corrections.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIILAT601E	Manage group processes	Shared	RIILAT601D	Manage group processes	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCO201D	Conduct spreader operations	BuildSkills	RIIMCO201A	Conduct spreader operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCO302D	Conduct surface miner operations	AUSMASA	RIIMCO302A	Conduct surface miner operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCO303E	Conduct auger miner operations	AUSMASA	RIIMCO303D	Conduct auger miner operations	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCP202D	Conduct rail dispatch operations	AUSMASA	RIIMCP202A	Conduct rail dispatch operations	E	2	Correct content inserted into unit. Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCP301D	Monitor plant operations for coal preparation	AUSMASA	RIIMCP301A	Monitor plant operations for coal preparation	E	2	Required frequency and volume of evidence amended in Performance evidence.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCU201D	Operate power tram	AUSMASA	N/A	N/A	D		UoC deleted
RIIMCU202D	Conduct tracked vehicle/plant operations	AUSMASA	N/A	N/A	D		UoC deleted
RIIMCU203D	Conduct wheeled vehicle operations (non-articulated)	AUSMASA	RIIMCU203A	Conduct wheeled vehicle operations (non-articulated)	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCU204D	Conduct wheeled vehicle operations (articulated)	AUSMASA	RIIMCU204A	Conduct wheeled vehicle operations (articulated)	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCU205D	Conduct rotational drilling	AUSMASA	RIIMCU205A	Conduct rotational drilling	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIMCU206D	Install, maintain and recover gas drainage systems	AUSMASA	RIIMCU206A	Install, maintain and recover gas drainage systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCU207D	Install, maintain and recover electrical services	AUSMASA	N/A	N/A	D		UoC deleted
RIIMCU208E	Conduct basic strata control operations	AUSMASA	RIIMCU208D	Conduct basic strata control operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU209E	Conduct roadway maintenance	AUSMASA	RIIMCU209D	Conduct roadway maintenance	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU210D	Conduct stonedusting operations	AUSMASA	RIIMCU210A	Conduct stonedusting operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCU211D	Install and maintain explosion barriers	AUSMASA	N/A	N/A	D		UoC deleted
RIIMCU212E	Construct and maintain basic ventilation devices	AUSMASA	RIIMCU212D	Construct and maintain basic ventilation devices	E	1	Performance criteria 1.1 amended grammatically. Performance evidence added to include basic construction skills to identify potential strata hazard, and types of stoppings and regulators. Knowledge evidence added to include identifying

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							hazard management processes and techniques. Mapping table added.
RIIMCU213E	Conduct feeder breaker operations	AUSMASA	N/A	N/A	D		UoC deleted
RIIMCU214E	Conduct ventilation operations	AUSMASA	RIIMCU214D	Conduct face ventilation operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU215D	Operate longwall ancillary equipment	AUSMASA	N/A	N/A	D		UoC deleted
RIIMCU216D	Maintain lamp cabin operations	AUSMASA	N/A	N/A	D		UoC deleted
RIIMCU217	Apply spontaneous combustion management measures	AUSMASA	RIIMCU402D	Apply spontaneous combustion management measures	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU218	Work safely with polymeric chemicals in underground coal mining	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIMCU301E	Conduct specialised strata control operations	AUSMASA	RIIMCU301D	Conduct specialised strata control operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU302F	Construct and maintain ventilation devices	AUSMASA	RIIMCU302E	Construct and maintain ventilation devices	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU303E	Conduct continuous miner operations	AUSMASA	RIIMCU303D	Conduct continuous miner operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU304E	Conduct shuttle car operations	AUSMASA	RIIMCU304D	Conduct shuttle car operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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RIIMCU305E	Conduct outburst mining operations	AUSMASA	RIIMCU305D	Conduct outburst mining operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU306E	Conduct shearer operations	AUSMASA	RIIMCU306D	Conduct shearer operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU307E	Conduct longwall face equipment operations	AUSMASA	RIIMCU307D	Conduct longwall face equipment operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU308E	Install and recover longwall equipment	AUSMASA	RIIMCU308D	Install and recover longwall equipment	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU309E	Operate breaker line supports	AUSMASA	N/A	N/A	D		UoC deleted
RIIMCU310E	Conduct flexible conveyor train (FCT) operations	AUSMASA	N/A	N/A	D		UoC deleted
RIIMCU311E	Monitor control processes	AUSMASA	RIIMCU311D	Monitor control processes	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU312	Conduct polymeric chemical operations in underground coal mining	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIMCU313	Mix and pump polymeric chemicals in underground coal mining	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIMCU314	Transport and store polymeric chemicals in underground coal mining	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.

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RIIMCU401E	Conduct special roadway operations	AUSMASA	N/A	N/A	D		UoC deleted
RIIMCU403E	Apply and monitor the gas management plan	AUSMASA	RIIMCU403D	Apply and monitor the gas management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU404E	Apply and monitor the gas drainage management plan	AUSMASA	RIIMCU404D	Apply and monitor the gas drainage management plan	E	1	Editorial corrections to performance criteria 2.1 and knowledge evidence. Added mapping table.
RIIMCU405D	Apply and monitor the outburst management plan	AUSMASA	RIIMCU405A	Apply and monitor the outburst management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCU406E	Apply and monitor the inrush management plan	AUSMASA	RIIMCU406D	Apply and monitor the inrush management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU407E	Apply and monitor the strata management plan	AUSMASA	RIIMCU407D	Apply and monitor the strata management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU408E	Apply the spontaneous combustion management plan	AUSMASA	RIIMCU408D	Apply the spontaneous combustion management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU409	Apply and monitor polymeric chemical management plans	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIMCU501E	Implement the spontaneous combustion management plan	AUSMASA	RIIMCU501D	Implement the spontaneous combustion management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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RIIMCU502E	Implement the gas management plan	AUSMASA	RIIMCU502D	Implement the gas management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU503D	Implement the gas drainage management plan	AUSMASA	RIIMCU503A	Implement the gas drainage management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCU504D	Implement the outburst management plan	AUSMASA	RIIMCU504A	Implement the outburst management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCU505E	Implement the inrush management plan	AUSMASA	RIIMCU505D	Implement the inrush management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU506E	Implement the strata management plan	AUSMASA	RIIMCU506D	Implement the strata management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU601E	Establish and maintain spontaneous combustion management systems	AUSMASA	RIIMCU601D	Establish and maintain spontaneous combustion management systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU602E	Establish and maintain gas management systems	AUSMASA	RIIMCU602D	Establish and maintain gas management system	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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RIIMCU603D	Establish and maintain the gas drainage management plan	AUSMASA	RIIMCU603A	Establish and maintain the gas drainage management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCU604D	Establish and maintain the outburst management plan	AUSMASA	RIIMCU604A	Establish and maintain the outburst management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMCU605E	Establish and maintain inrush management systems	AUSMASA	RIIMCU605D	Establish and maintain the inrush management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMCU606E	Establish and maintain the mining method and strata management systems	AUSMASA	RIIMCU606D	Establish and maintain the mining method and strata management systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMEX201E	Suppress dust in open-cut environments	AUSMASA	RIIMEX201D	Suppress dust in open-cut environments	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIMEX203D	Break oversize rock	AUSMASA	RIIMEX203B	Break oversize rock	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIIMEX204D	Conduct workboat/barge operations	AUSMASA	RIIMEX204A	Conduct workboat/barge operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMEX301D	Conduct dredging operations	AUSMASA	RIIMEX301A	Conduct dredging operations	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMEX302D	Assess ground conditions	AUSMASA	RIIMEX302B	Assess ground conditions	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMEX303	Conduct local geotechnical risk control in surface operations	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMEX401D	Apply pit plan	AUSMASA	RIIMEX401A	Apply pit plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIIMEX402E	Supervise dredging operations	AUSMASA	RIIMEX402D	Supervise dredging operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIMEX403E	Supervise canal construction	BuildSkills	RIIMEX403D	Apply the principles of canal construction	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIMEX404E	Apply and monitor systems for stable mining	AUSMASA	RIIMEX404D	Apply and monitor systems for stable mining	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMEX405E	Apply and monitor systems and methods of surface coal mining	AUSMASA	RIIMEX405D	Apply and monitor systems and methods of surface coal mining	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMEX406D	Apply and monitor mine transport systems and production equipment	AUSMASA	RIIMEX406A	Apply and monitor mine transport systems and production equipment	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMEX407	Apply and monitor the ground control management plan	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIMEX408	Supervise overburden dump operations	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIMEX501D	Implement pit plan	AUSMASA	RIIMEX501A	Implement pit plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert

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							experience requirements, how assessment should be conducted and what it should confirm.
RIIMEX502D	Implement systems and methods of mining	AUSMASA	RIIMEX502A	Implement systems and methods of mining	E	2	Performance Criteria numbering corrected. Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMEX503E	Manage dredging operations	AUSMASA	RIIMEX503D	Manage dredging operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIMEX504	Implement the ground control management plan	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIMEX601D	Plan pit development	AUSMASA	RIIMEX601A	Plan pit development	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMEX602D	Establish and maintain surface mining ground control and slope stability systems	AUSMASA	RIIMEX602A	Establish and maintain surface mining ground control and slope stability systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIIMEX603D	Establish and maintain underground mining ground control and stable mining systems	AUSMASA	RIIMEX603A	Establish and maintain underground mining ground control and stable mining systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMEX604D	Establish and maintain surface product haulage and transport systems	AUSMASA	RIIMEX604A	Establish and maintain surface product haulage and transport systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMPG301D	Control and monitor automated plant/machinery	Shared	RIIMPG301A	Control and monitor automated plant/machinery	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMPO201E	Operate roller/compactor underground	AUSMASA	RIIMPO201D	Operate roller/compactor underground	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO205E	Operate roller/compactor	Shared	RIIMPO205D	Operate roller/compactor	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.

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RIIMPO206D	Conduct bulk water truck operations	BuildSkills	RIIMPO206B	Conduct bulk water truck operations	NE	5	Performance Criteria 3.6 and Performance Evidence grammatical corrections. No new content.
RIIMPO208F	Operate support equipment	AUSMASA	RIIMPO208E	Operate support equipment	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO210E	Conduct underground truck operations	AUSMASA	RIIMPO210D	Conduct underground truck operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance and relocation activities.
RIIMPO301E	Conduct hydraulic excavator operations	AUSMASA	RIIMPO301D	Conduct hydraulic excavator operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO302E	Conduct hydraulic shovel operations	AUSMASA	RIIMPO302D	Conduct hydraulic shovel operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO303E	Conduct rope shovel operations	AUSMASA	RIIMPO303D	Conduct rope shovel operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance and relocation activities.
RIIMPO304E	Conduct wheel loader operations	AUSMASA	RIIMPO304D	Conduct wheel loader operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO305F	Conduct coal stockpile dozer operations	AUSMASA	RIIMPO305E	Conduct coal stockpile dozer operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version

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							3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO306D	Operate plant/machinery on live stockpiles	AUSMASA	RIIMPO306A	Operate plant/machinery on live stockpiles	NE	3	Performance Criteria corrections. Title of element 3 corrected. Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMPO307E	Conduct wheel grader operations in underground mines	AUSMASA	RIIMPO307D	Conduct wheel grader operations in underground mines	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO308F	Conduct tracked dozer operations	AUSMASA	RIIMPO308E	Conduct tracked dozer operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO309F	Conduct wheeled dozer operations	AUSMASA	RIIMPO309E	Conduct wheeled dozer operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO310F	Conduct grader operations	AUSMASA	RIIMPO310E	Conduct grader operations	E	2	Editorial corrections. Minor updates to reflect changes to operator maintenance activities.
RIIMPO312E	Conduct scraper operations	AUSMASA	RIIMPO312D	Conduct scraper operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance and relocation activities.

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RIIMPO313E	Conduct face loader operations	AUSMASA	RIIMPO313D	Conduct face loader operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance and relocation activities.
RIIMPO315E	Conduct tractor operations	BuildSkills	RIIMPO315D	Conduct tractor operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance and relocation activities.
RIIMPO316E	Conduct self-propelled compactor operations	BuildSkills	RIIMPO316D	Conduct self-propelled compactor operations	E	4	Editorial and other amendments made to clarify requirements in Application and Performance Criteria 3.3. Minor updates to reflect changes to operator maintenance and relocation activities.
RIIMPO317	Conduct roller operations	BuildSkills	RIIMPO317 F	Conduct roller operations	E	1	Elements: · Renumbering and reordering all elements to align with workflow. · Minor typo amendment to Element (1.). · Inclusion of NEW Element (2.) “Conduct pre-operational checks” NEW Element (3.) “Select, remove, fit and use attachments”, and NEW Element (4.) “Work safely in proximity to powerline infrastructure”. · Original Element (2.) relocated to Element (5.) and renamed to “Operate machine in line with established requirements”. · Original Element (3.) relocated to Element (6.) and renamed from “Prepare to relocate the roller “ to “Park up, shutdown and secure the roller”. · Original Element (4.) relocated to Element (7.) Performance Criteria: · Renumbering and reordering all PCs to align with the respective Element changes.

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							· Rewording of all PCs to align with the correct procedures or requirements applicable to each work activity (e.g. worksite instructions, manufacturer instructions, WHS requirements etc.). · Addition of machinery service status check at PC 1.9. · Original PC 3.3 “Assist loading and unloading machine from float/trailer as required by safe work practices” removed from the unit as it is not within scope of work activity. · Addition of new PCs 2.1-2.6, 3.1-3.4 and 4.1-4.5. Performance Evidence: · Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. · Reference to “loading/unloading” removed as it is outside scope of activity. · Clarification of the number of occasions a work activity must be demonstrated. Knowledge Evidence: · Content revised to reflect competency-based performance expectations. · Wording made consistent with standard site terminology. · Removal of “project quality” and “drawings and sketches” and “materials characteristics”. · “Handover requirements”, “basic equipment faults” and “determining safe working loads” refocused on operational safety and equipment use.

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							• “Machine guidance systems” added to reflect operational and safety practices. • Addition of high-risk hazard controls to support powerline infrastructure knowledge. • References to key material and compaction principles simplified. • Reference to “sloping and benching” added under safe work instructions requirements. Assessment Conditions: • Access to “attachments” added. Assessment Conditions (Assessor Requirements): • Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” • Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. • Simplification of remaining wording to align with industry requirements.
RIIMPO318	Conduct civil construction skid steer loader operations	BuildSkills	RIIMPO318 F	Conduct civil construction skid steer loader operations	E	1	Elements: • Renumbering and reordering all elements to align with workflow. • Inclusion of NEW Element (2.) “Conduct pre-operational checks”, NEW Element (4.) “Work safely in proximity to powerline infrastructure” and

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							NEW Element (7.) “Use spreading and levelling techniques”. · Original Element (2.) relocated to Element (5.) and renamed to “Operate machine in line with established requirements”. · Original Element (3.) relocated to Element (6.) and renamed from “Load, carry and place materials to complete work activity” to “Lift/Load, secure, carry and place materials to complete work activity”. · Original Element (4.) relocated to Element (3.) and renamed to Select, remove, fit and use attachments “. · Original Element (5.) relocated to Element (8.) and renamed from “Prepare to relocate the skid steer loader” to “Park up, shutdown and secure the skid steer loader”. · Original Element (6.) relocated to Element (9.). Performance Criteria: · Renumbering and reordering all PCs to align with the respective Element changes. · Rewording of all PCs to align with the correct procedures or requirements applicable to each work activity (e.g. worksite instructions, manufacturer instructions, WHS requirements etc.). · Addition of machinery service status check at PC 1.9. · Original PC 5.3 “Assist loading and unloading machine from float/trailer as required by safe work practices” removed from the unit as it is not within scope of work activity. · Addition of new PCs 2.1-2.6, 4.1-4.5 and 7.1-7.5.

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							Performance Evidence: · Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. · Reference to “loading/unloading” removed as it is outside scope of activity. · Clarification of the number of occasions a work activity must be demonstrated. · List of attachment options expanded. Knowledge Evidence: · Content revised to reflect competency-based performance expectations. · Wording made consistent with standard site terminology. · Removal of “project quality” and “drawings and sketches” and “materials characteristics”. · “Handover requirements”, “basic equipment faults” and “determining safe working loads” refocused on operational safety and equipment use. · “Machine guidance systems” added to reflect operational and safety practices. · Addition of high-risk hazard controls to support powerline infrastructure knowledge. · References to key material and compaction principles simplified. Assessment Conditions: · Access to “attachments” added. Assessment Conditions (Assessor Requirements): · Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement

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							“Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” · Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. · Simplification of remaining wording to align with industry requirements.
RIIMPO319	Conduct civil construction backhoe/loader operations	Shared	RIIMPO319E	Conduct backhoe/loader operations	E	1	Elements: · Renumbering and reordering all elements to align with workflow. · Inclusion of NEW Element (2.) “Conduct pre-operational checks”, NEW Element (4.) “Work safely in proximity to powerline infrastructure” and NEW Element (7.) “Use spreading and levelling techniques”. · Original Element (2.) relocated to Element (5.) and renamed to “Operate machine in line with established requirements”. · Original Element (3.) relocated to Element (6.) and renamed from “Load, carry and place materials to complete work activity” to “Lift/Load, secure, carry and place materials to complete work activity”. · Original Element (4.) relocated to Element (3.) and renamed to Select, remove, fit and use attachments “. · Original Element (5.) relocated to Element (8.) and renamed from “Relocate the backhoe/ loader” to

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							“Park up, shutdown and secure the backhoe/loader”. - Original Element (6.) relocated to Element (9.). Performance Criteria: - Renumbering and reordering all PCs to align with the respective Element changes. - Rewording of all PCs to align with the correct procedures or requirements applicable to each work activity (e.g. worksite instructions, manufacturer instructions, WHS requirements etc.). - Addition of machinery service status check at PC 1.9. - Addition of new PCs 2.1-2.6, 4.1-4.5 and 7.1-7.5. Performance Evidence: - Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. - Clarification of the number of occasions a work activity must be demonstrated. - List of attachment options expanded. Knowledge Evidence: - Content revised to reflect competency-based performance expectations. - Wording made consistent with standard site terminology. - Removal of “project quality” and “drawings and sketches” and “materials characteristics”. “Machine guidance systems” added to reflect operational and safety practices. - Addition of high-risk hazard controls to support powerline infrastructure knowledge.

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							- References to key material and compaction principles simplified. - Assessment Conditions: - Access to “attachments” and “materials” added. - Assessment Conditions (Assessor Requirements): - Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” - Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. - Simplification of remaining wording to align with industry requirements.
RIIMPO320	Conduct civil construction excavator operations	BuildSkills	RIIMPO320 F	Conduct civil construction excavator operations	E	1	Elements: - Renumbering and reordering all elements to align with workflow. - Inclusion of NEW Element (2.) “Conduct pre-operational checks”, NEW Element (4.) “Work safely in proximity to powerline infrastructure” and NEW Element (7.) “Use spreading and levelling techniques”. - Original Element (2.) relocated to Element (5.) and renamed to “Operate machine in line with established requirements”. - Original Element (3.) relocated to Element (6.) and renamed from “Lift, carry and place materials to

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							complete work activity” to “Lift/Load, secure, carry and place materials to complete work activity”. · Original Element (4.) relocated to Element (3.) and renamed to Select, remove, fit and use attachments “. · Original Element (5.) relocated to Element (8.) and renamed from “Prepare to relocate the excavator” to “Park up, shutdown and secure the excavator”. · Original Element (6.) relocated to Element (9.). Performance Criteria: · Renumbering and reordering all PCs to align with the respective Element changes. · Rewording of all PCs to align with the correct procedures or requirements applicable to each work activity (e.g. worksite instructions, manufacturer instructions, WHS requirements etc.). · Addition of machinery service status check at PC 1.9. · Original PC 5.3 “Assist loading and unloading machine from float/trailer as required by safe work practices” removed from the unit as it is not within scope of work activity. · Addition of new PCs 2.1-2.6, 4.1-4.5 and 7.1-7.5. Performance Evidence: · Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. · Reference to “loading/unloading” removed as it is outside scope of activity. · Clarification of the number of occasions a work activity must be demonstrated.

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							Knowledge Evidence: · Content revised to reflect competency-based performance expectations. · Wording made consistent with standard site terminology. · Removal of “project quality” and “drawings and sketches” and “materials characteristics”. · “Machine guidance systems” added to reflect operational and safety practices. · Addition of high-risk hazard controls to support powerline infrastructure knowledge. · References to key material and compaction principles simplified. Assessment Conditions: · Access to “materials” added. Assessment Conditions (Assessor Requirements): · Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” · Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. · Simplification of remaining wording to align with industry requirements.

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RIIMPO321	Conduct civil construction wheeled front end loader operations	BuildSkills	RIIMPO321 F	Conduct civil construction wheeled front end loader operations	E	1	Elements: · Renumbering and reordering all elements to align with workflow. · Inclusion of NEW Element (2.) “Conduct pre-operational checks”, NEW Element (4.) “Work safely in proximity to powerline infrastructure” and NEW Element (7.) “Use spreading and levelling techniques”. · Original Element (2.) relocated to Element (5.) and renamed to “Operate machine in line with established requirements”. · Original Element (3.) split into two Elements (3.) and (6.) and renamed to “Select, remove, fit and use attachments” at Element (3.) and “Lift/Load, secure, carry and place materials to complete work activity” at Element (6.). · Original Element (4.) relocated to Element (8.) and renamed from “Prepare to relocate the front end loader” to “Park up, shutdown and secure the wheeled front end loader”. · Original Element (5.) relocated to Element (9.). Performance Criteria: · Renumbering and reordering all PCs to align with the respective Element changes. · Rewording of all PCs to align with the correct procedures or requirements applicable to each work activity (e.g. worksite instructions, manufacturer instructions, WHS requirements etc.). · Addition of machinery service status check at PC 1.9.

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							· Original PC 4.3 “Assist loading and unloading machine from float/trailer as required by safe work practices” removed from the unit as it is not within scope of work activity. · Addition of new PCs 2.1-2.6, 4.1-4.5 and 7.1-7.5. Performance Evidence: · Clarification of the number of occasions a work activity must be demonstrated. · Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. · Reference to “loading/unloading” removed as it is outside scope of activity. Knowledge Evidence: · Content revised to reflect competency-based performance expectations. · Wording made consistent with standard site terminology. · Removal of “project quality” and “drawings and sketches” and “materials characteristics”. · “Machine guidance systems” added to reflect operational and safety practices. · Addition of high-risk hazard controls to support powerline infrastructure knowledge. · References to key material and compaction principles simplified. Assessment Conditions: · Access to “attachments” added. Assessment Conditions (Assessor Requirements): · Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement

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							“Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” ·Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. ·Simplification of remaining wording to align with industry requirements.
RIIMPO322	Conduct civil construction tracked front end loader operations	BuildSkills	RIIMPO322 E	Conduct civil construction tracked front end loader operations	E	1	Elements: ·Renumbering and reordering all elements to align with workflow. ·Inclusion of NEW Element (2.) “Conduct pre-operational checks”, NEW Element (4.) “Work safely in proximity to powerline infrastructure” and NEW Element (7.) “Use spreading and levelling techniques”. ·Original Element (2.) relocated to Element (5.) and renamed to “Operate machine in line with established requirements”. ·Original Element (3.) split into two Elements (3.) and (6.) and renamed to “Select, remove, fit and use attachments” at Element (3.) and “Lift/Load, secure, carry and place materials to complete work activity” at Element (6.). ·Original Element (4.) relocated to Element (8.) and renamed to “Park up, shutdown and secure the tracked front end loader”. ·Original Element (5.) relocated to Element (9.). Performance Criteria:

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							·Renumbering and reordering all PCs to align with the respective Element changes. ·Rewording of all PCs to align with the correct procedures or requirements applicable to each work activity (e.g. worksite instructions, manufacturer instructions, WHS requirements etc.). ·Addition of machinery service status check at PC 1.9. ·Original PC 4.3 “Assist loading and unloading machine from float/trailer as required by safe work practices” removed from the unit as it is not within scope of work activity. ·Addition of new PCs 2.1-2.6, 4.1-4.5 and 7.1-7.5. Performance Evidence: ·Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. ·Clarification of the number of occasions a work activity must be demonstrated. Knowledge Evidence: ·Reference to “loading/unloading” removed as it is outside scope of knowledge required. ·Content revised to reflect competency-based performance expectations. ·Wording made consistent with standard site terminology. ·Removal of “project quality” and “drawings and sketches” and “materials characteristics”. ·“Machine guidance systems” added to reflect operational and safety practices.

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							·Addition of high-risk hazard controls to support powerline infrastructure knowledge. ·References to key material and compaction principles simplified. Assessment Conditions: ·Access to “attachments” added. Assessment Conditions (Assessor Requirements): ·Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” ·Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. ·Simplification of remaining wording to align with industry requirements.
RIIMPO323	Conduct civil construction dozer operations	BuildSkills	RIIMPO323E	Conduct civil construction dozer operations	E	1	Elements: ·Renumbering and reordering all elements to align with workflow. ·Inclusion of NEW Element (2.) “Conduct pre-operational checks”, NEW Element (4.) “Work safely in proximity to powerline infrastructure” and NEW Element (6.) “Use spreading and levelling techniques”. ·Original Element (2.) relocated to Element (5.) and renamed to “Operate machine in line with established requirements”.

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							•Original Element (3.) renamed from “Select, remove, fit and use attachments for a dozer” to “Select, remove, fit and use attachments”. •Original Element (4.) relocated to Element (7.) and renamed to “Park up, shutdown and secure the dozer”. •Original Element (5.) relocated to Element (8.). Performance Criteria: •Renumbering and reordering all PCs to align with the respective Element changes. •Rewording of all PCs to align with the correct procedures or requirements applicable to each work activity (e.g. worksite instructions, manufacturer instructions, WHS requirements etc.). •Addition of machinery service status check at PC 1.9. •Original PC 4.3 “Assist loading and unloading machine from float/trailer as required by safe work practices” removed from the unit as it is not within scope of work activity. •Addition of new PCs 2.1-2.6, 4.1-4.5 and 6.1-6.5. Performance Evidence: •Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. •Clarification of the number of occasions a work activity must be demonstrated. •Reference to “loading/unloading” removed as it is outside scope of activity. Knowledge Evidence:

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							·Reference to “loading/unloading” removed as it is outside scope of knowledge required. ·Content revised to reflect competency-based performance expectations. ·Wording made consistent with standard site terminology. ·Removal of “project quality” and “drawings and sketches” and “materials characteristics”. ·“Machine guidance systems” added to reflect operational and safety practices. ·Addition of high-risk hazard controls to support powerline infrastructure knowledge. ·References to key material and compaction principles simplified. Assessment Conditions: ·Access to “attachments” added. Assessment Conditions (Assessor Requirements): ·Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” ·Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. ·Simplification of remaining wording to align with industry requirements.

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RIIMPO324	Conduct civil construction grader operations	BuildSkills	RIIMPO324 F	Conduct civil construction grader operations	E	1	Elements: ·Renumbering and reordering all elements to align with workflow. ·Inclusion of NEW Element (2.) “Conduct pre-operational checks”, NEW Element (4.) “Work safely in proximity to powerline infrastructure” and NEW Element (6.) “Use spreading and levelling techniques”. ·Original Element (2.) relocated to Element (5.) and renamed to “Operate machine in line with established requirements”. ·Original Element (3.) renamed from “Select, remove, fit and use attachments for a grader” to “Select, remove, fit and use attachments”. ·Original Element (4.) relocated to Element (7.) and renamed to “Park up, shutdown and secure the grader”. ·Original Element (5.) relocated to Element (8.). Performance Criteria: ·Renumbering and reordering all PCs to align with the respective Element changes. ·Reworking of all PCs to align with the correct procedures or requirements applicable to each work activity (e.g. worksite instructions, manufacturer instructions, WHS requirements etc.). ·Addition of machinery service status check at PC 1.9. ·Original PC 4.3 “Assist loading and unloading machine from float/trailer as required by safe work practices” removed from the unit as it is not within scope of work activity.

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							·Addition of new PCs 2.1-2.6, 4.1-4.5 and 6.1-6.5. Performance Evidence: ·Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. ·Clarification of the number of occasions a work activity must be demonstrated. ·Reference to “loading/unloading” removed as it is outside scope of activity. Knowledge Evidence: ·Reference to “loading/unloading” removed as it is outside scope of knowledge required. ·Content revised to reflect competency-based performance expectations. ·Wording made consistent with standard site terminology. ·Removal of “project quality” and “drawings and sketches” and “materials characteristics”. ·“Machine guidance systems” added to reflect operational and safety practices. ·Addition of high-risk hazard controls to support powerline infrastructure knowledge. ·References to key material and compaction principles simplified. Assessment Conditions: ·Access to “attachments” added. Assessment Conditions (Assessor Requirements): ·Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education

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							and training legislation, frameworks and/or standards.” ·Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. ·Simplification of remaining wording to align with industry requirements.
RIIMPO325	Conduct civil construction scraper operations	BuildSkills	RIIMPO325E	Conduct civil construction scraper operations	E	1	Elements: ·Renumbering and reordering all elements to align with workflow. ·Inclusion of NEW Element (2.) “Conduct pre-operational checks”, NEW Element (3.) “Select, remove, fit and use attachments”, NEW Element (4.) “Work safely in proximity to powerline infrastructure” and NEW Element (6.) “Use spreading and levelling techniques”. ·Original Element (2.) relocated to Element (5.) and renamed to “Operate machine in line with established requirements”. ·Original Element (3.) removed. ·Original Element (4.) relocated to Element (7.) and renamed to “Park up, shutdown and secure the scraper”. ·Original Element (5.) relocated to Element (8.). Performance Criteria: ·Renumbering and reordering all PCs to align with the respective Element changes. ·Rewording of all PCs to align with the correct procedures or requirements applicable to each work activity (e.g. worksite instructions,

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							manufacturer instructions, WHS requirements etc.). ·Addition of machinery service status check at PC 1.9. ·Original PC 4.3 “Assist loading and unloading machine from float/trailer as required by safe work practices” removed from the unit as it is not within scope of work activity. ·Addition of new PCs 2.1-2.6, 4.1-4.5 and 6.1-6.5. Performance Evidence: ·Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. ·Clarification of the number of occasions a work activity must be demonstrated. ·Reference to “loading/unloading” removed as it is outside scope of activity. Knowledge Evidence: ·Reference to “loading/unloading” removed as it is outside scope of knowledge required. ·Content revised to reflect competency-based performance expectations. ·Wording made consistent with standard site terminology. ·Removal of “project quality” and “drawings and sketches” and “materials characteristics”. ·“Machine guidance systems” added to reflect operational and safety practices. ·Addition of high-risk hazard controls to support powerline infrastructure knowledge. ·References to key material and compaction principles simplified.

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							Assessment Conditions: ·Access to “attachments” added. Assessment Conditions (Assessor Requirements): ·Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” ·Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. ·Simplification of remaining wording to align with industry requirements.
RIIMPO326E	Conduct water vehicle operations	BuildSkills	RIIMPO326D	Conduct civil construction water cart operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities, name of unit and content to apply to all industries.
RIIMPO327E	Conduct pipe layer operations	BuildSkills	RIIMPO327D	Conduct pipe layer operations	E	3	Editorial and other amendments made to clarify requirements in Application and Performance Criteria 4.3. Minor updates to reflect changes to operator maintenance and relocation activities, and the use of lifting gear.
RIIMPO328E	Conduct continuous bucket trencher operations	BuildSkills	RIIMPO328D	Conduct continuous bucket trencher operations	E	2	Editorial and other amendments made to clarify requirements in Application and Performance Criteria 4.3. Minor updates to reflect changes to operator maintenance and relocation activities.

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RIIMPO329F	Conduct dragline operations	AUSMASA	RIIMPO329D	Conduct dragline operations	E	2	Minor update to reflect correct mapping information.
RIIMPO331E	Conduct operations with stockpile dozer	AUSMASA	RIIMPO331D	Conduct operations with stockpile dozer	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO333E	Conduct underground load, haul and dump truck operations	AUSMASA	RIIMPO333D	Conduct underground load haul dump operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance and relocation activities.
RIIMPO334E	Conduct skid steer loader operations using attachments	Shared	RIIMPO334D	Conduct skid steer loader operations using attachments	E	3	Editorial and other amendments made to clarify requirements in Application and Performance Criteria 5.3. Minor updates to reflect changes to operator maintenance and relocation activities.
RIIMPO335E	Conduct skid steer loader operations without attachments	Shared	RIIMPO335D	Conduct skid steer loader operations without attachments	E	2	Editorial and other amendments made to clarify requirements in Application and Performance Criteria 4.3. Minor updates to reflect changes to operator maintenance and relocation activities.
RIIMPO336E	Conduct belly dump truck operations	Shared	RIIMPO336D	Conduct belly dump truck operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0. Minor updates to reflect changes to operator maintenance activities.
RIIMPO337	Conduct articulated haul truck operations	Shared	RIIMPO337E	Conduct articulated haul truck operations	E	1	Elements: ·Addition of NEW Element (2.) “Conduct pre-operational checks”. Performance Criteria: ·Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology.

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							·Rewording of all PCs to align with the correct procedures or requirements applicable to each work activity (e.g. worksite instructions, manufacturer instructions, WHS requirements etc.). ·Removal of reference to ‘geological and survey data’ (previously PC 1.5) in line with scope of responsibility. ·Renumbering and reordering all PCs to align with the respective Element changes. ·Addition of NEW PCs 2.1-2.6. ·Specific reference to ‘fuel, hydraulic and coolant lines’ checks to support regulatory focus on fires on mobile plant at PC 2.6. ·Expanded detail of current haulage and WHS practices and techniques at PCs 4.1-4.5. ·Wording refined at PCs 5.1-5.3. Performance Evidence: ·Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. ·Alignment with current site safety and SWMS/JSA requirements. ·Addition of explicit references to safe operating procedures, site-specific PPE, communication methods, and refuelling requirements. ·Updated terminology for loading equipment and clearer sequencing of operational stages from prestart to shut down. Knowledge Evidence:

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							·Refinement and expansion to improve alignment with site operations and haulage safety requirements. ·Addition of new site information items to reflect operational practice and risk management controls. ·Simplification of structure and removal of redundant wording for clarity and consistency. Assessment Conditions (Assessor Requirements): ·Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” ·Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. ·Simplification of remaining wording to align with industry requirements.
RIIMPO338	Conduct rigid haul truck operations	Shared	RIIMPO338E	Conduct rigid haul truck operations	E	1	Elements: ·Addition of NEW Element (2.) “Conduct pre-operational checks”. Performance Criteria: ·Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. ·Rewording of all PCs to align with the correct procedures or requirements applicable to each

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							work activity (e.g. worksite instructions, manufacturer instructions, WHS requirements etc.). •Removal of reference to ‘geological and survey data’ (previously PC 1.5) in line with scope of responsibility. •Renumbering and reordering all PCs to align with the respective Element changes. •Addition of NEW PCs 2.1-2.6. •Specific reference to ‘fuel, hydraulic and coolant lines’ checks to support regulatory focus on fires on mobile plant at PC 2.6. •Expanded detail of current haulage and WHS practices and techniques at PCs 4.1-4.5. •Wording refined at PCs 5.1-5.3. Performance Evidence: •Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. •Alignment with current site safety and SWMS/JSA requirements. •Addition of explicit references to safe operating procedures, site-specific PPE, communication methods, and refuelling requirements. •Updated terminology for loading equipment and clearer sequencing of operational stages from prestart to shut down. Knowledge Evidence: •Refinement and expansion to improve alignment with site operations and haulage safety requirements.

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							·Addition of new site information items to reflect operational practice and risk management controls. ·Simplification of structure and removal of redundant wording for clarity and consistency. Assessment Conditions (Assessor Requirements): ·Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” ·Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. ·Simplification of remaining wording to align with industry requirements.
RIIMPO339A	Conduct side tipper operations	Shared	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.
RIIMPO401D	Supervise mobile plant operations	Shared	RIIMPO401A	Supervise mobile plant operations	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMPO402D	Apply the principles of earthworks construction	BuildSkills	RIIMPO402A	Apply the principles of earthworks construction	E	4	Editorial corrections.

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RIIMPO403D	Monitor interaction of heavy and light vehicles and mining equipment	AUSMASA	RIIMPO403A	Monitor interaction of heavy and light vehicles and mining equipment	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMPO501D	Implement, monitor, rectify and report on mobile plant and equipment systems	Shared	RIIMPO501A	Implement, monitor, rectify and report on mobile plant and equipment systems	NE	3	Performance Criteria numbering corrected. Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIMPO502D	Manage the interaction of heavy and light vehicles and mining equipment	AUSMASA	RIIMPO502A	Manage the interaction of heavy and light vehicles and mining equipment	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB201E	Load, secure and unload drilling equipment and materials	Shared	RIINHB201D	Load, secure and unload drilling equipment and materials	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB202E	Set up and pack up drill sites	Shared	RIINHB202D	Set up/pack up drill site	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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RIINHB203E	Support drilling processes	Shared	RIINHB203D	Support drilling processes	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB205F	Assist continuous flight auger drilling	AUSMASA	RIINHB205E	Assist continuous flight auger drilling	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB206E	Assist large diameter auger drilling	AUSMASA	RIINHB206D	Assist large diameter auger drilling	NE	1	Substantial amendments made to knowledge evidence
RIINHB208E	Assist diamond core drilling	AUSMASA	RIINHB208D	Assist diamond core drilling	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB210E	Assist surface directional drilling	AUSMASA	RIINHB210D	Assist surface directional drilling	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB211E	Assist mud rotary drilling	AUSMASA	RIINHB211D	Assist mud rotary drilling	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB217E	Assist horizontal direction drilling	AUSMASA	RIINHB217D	Assist horizontal direction drilling	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB218E	Assist grouting and cementing operations	AUSMASA	RIINHB218D	Assist grouting and cementing operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB219E	Assist with reverse circulation drilling	AUSMASA	RIINHB219D	Assist with air drilling	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB220	Assist coil tube drilling	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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RIINHB221	Assist rotary air drilling	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB222	Assist sonic drilling operations	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB223	Prepare, run and cement casing	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB301E	Set up and prepare for drilling operations	AUSMASA	RIINHB301D	Set up and prepare for drilling operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB302D	Conduct reaming	AUSMASA	RIINHB302A	Conduct reaming	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB303D	Install product pipe	AUSMASA	RIINHB303A	Install product pipe	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB304E	Conduct reverse circulation drilling operations	AUSMASA	RIINHB304D	Conduct air drilling	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIINHB305E	Conduct continuous flight auger drilling	AUSMASA	RIINHB305D	Conduct continuous flight auger drilling	E	1	Performance criteria removed, and, performance and knowledge evidence amended to enable implementation of unit in all required drilling applications.
RIINHB306E	Conduct large diameter auger drilling	AUSMASA	RIINHB306D	Conduct large diameter auger drilling	E	1	Knowledge evidence amended.
RIIMSM307D	Install and maintain ventilation systems and equipment	AUSMASA	RIIMSM307B	Install and maintain ventilation systems and equipment	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB308D	Conduct wireline core drilling	AUSMASA	RIINHB308A	Conduct wireline core drilling	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB309E	Conduct guided boring	AUSMASA	RIINHB309D	Conduct guided boring	E	1	Civil construction added to application and unit sector. Mapping table added.
RIINHB310D	Conduct surface directional drilling	AUSMASA	RIINHB310A	Conduct surface directional drilling	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIINHB311E	Conduct mud rotary drilling operations	AUSMASA	RIINHB311D	Conduct mud rotary drilling operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB312D	Conduct raise boring	AUSMASA	RIINHB312A	Conduct raise boring	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB315D	Conduct top-hole hammer drilling	AUSMASA	RIINHB315A	Conduct top-hole hammer drilling	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB316D	Conduct underground in-seam directional drilling	AUSMASA	RIINHB316A	Conduct underground in-seam directional drilling	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB317D	Install underground in-seam directional drilling standpipes	AUSMASA	RIINHB317A	Install underground in-seam directional drilling standpipes	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIINHB318D	Install and operate water and gas control equipment	AUSMASA	RIINHB318A	Install and operate water and gas control equipment	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB320D	Construct monitoring bores	AUSMASA	RIINHB320A	Construct monitoring bores	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB322E	Construct multiple aquifer production bores	AUSMASA	RIINHB322D	Construct multiple aquifer production bores	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB323D	Conduct horizontal directional drilling	AUSMASA	RIINHB323A	Conduct horizontal directional drilling	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB324E	Conduct grouting or cementing operations	AUSMASA	RIINHB324D	Conduct grouting or cementing operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB325E	Construct single aquifer bores	AUSMASA	RIINHB325D	Construct and complete single aquifer production bores	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIINHB326	Conduct coil tube drilling	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB327	Conduct cyber chair drilling operations	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB328	Conduct rotary air drilling	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB329	Conduct sonic drilling operations	AUSMASA	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB330	Conduct down-hole hammer drilling	AUSMASA	RIIBHD305D	Conduct down-hole hammer drilling	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB401E	Plan and supervise the mobilisation of equipment, crew and materials	AUSMASA	RIINHB401D	Plan and supervise the mobilisation of equipment, crew and materials	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB402E	Supervise drilling operations	AUSMASA	RIINHB402D	Supervise mineral exploration drilling operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB403D	Supervise geotechnical drilling operations	AUSMASA	RIINHB403A	Supervise geotechnical drilling operations	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIINHB411E	Construct artesian (flowing) aquifer bores	AUSMASA	RIINHB411D	Construct artesian (flowing) aquifer production bores	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIINHB412D	Construct geothermal wells	AUSMASA	RIINHB412B	Construct geothermal wells	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIINHB501F	Plan drilling	AUSMASA	RIINHB501E	Plan drilling	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD202E	Carry out equipment and basic rig maintenance procedures	AUSMASA	RIIOGD202D	Carry out equipment and basic rig maintenance	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD203F	Prepare and operate drilling fluid systems	AUSMASA	RIIOGD203E	Prepare and operate drilling fluid systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD204F	Perform rig floor operations	AUSMASA	RIIOGD204E	Perform rig floor operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD205E	Support blow out prevention operations	AUSMASA	RIIOGD205D	Support blow out prevention operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD206E	Assist and monitor well control operations	AUSMASA	RIIOGD206D	Assist with coal seam gas control	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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RIIOGD209F	Operate and maintain ancillary equipment	AUSMASA	RIIOGD209E	Operate and maintain ancillary equipment	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD301E	Conduct and maintain derrick operations	AUSMASA	RIIOGD301D	Conduct and maintain derrick operations	E	1	Two element titles and multiple performance criteria amended. Performance and knowledge evidence amended.
RIIOGD302F	Assist in running casing	AUSMASA	RIIOGD302E	Trip casing	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD303F	Trip pipe	AUSMASA	RIIOGD303E	Trip pipe	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD304D	Apply effective coal seam gas control practices	AUSMASA	RIIOGD304A	Apply effective coal seam gas control practices	NE	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIOGD305E	Apply blow out prevention operational procedures	AUSMASA	RIIOGD305D	Apply blow out prevention operational procedures	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD401E	Rig up, conduct pre-spud operations and rig down	AUSMASA	RIIOGD401D	Rig up, conduct pre-spud operations and rig down	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD402E	Participate in nipping-up and pressure tests	AUSMASA	RIIOGD402D	Participate in nipping-up and pressure tests	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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RIIOGD403E	Conduct drilling operations	AUSMASA	RIIOGD403D	Conduct drilling operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD404E	Coordinate air drilling operations	AUSMASA	RIIOGD404D	Coordinate air drilling operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD405E	Carry out well control and blow out prevention operations	AUSMASA	RIIOGD405D	Carry out well control and blow out prevention	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD501F	Manage rig operations	AUSMASA	RIIOGD501E	Manage rig operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD502E	Plan and evaluate rig operations	AUSMASA	RIIOGD502D	Plan and evaluate rig operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD503E	Oversee drilling operations	AUSMASA	RIIOGD503D	Oversee drilling operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD504E	Manage drilling operations	AUSMASA	RIIOGD504D	Manage drilling operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD505E	Manage drilling and well servicing induction and orientation	AUSMASA	RIIOGD505D	Manage drilling induction and orientation	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGD506D	Manage rig move and camp move	AUSMASA	RIIOGD506A	Manage rig move and camp move	NE	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert

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							experience requirements, how assessment should be conducted and what it should confirm.
RIIOGD507D	Manage and monitor rig-up and rig-up to spud operations	AUSMASA	RIIOGD507A	Manage and monitor rig-up and rig-up to spud operations	NE	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIOGD508D	Manage well completion and abandonment	AUSMASA	RIIOGD508A	Manage well completion and abandonment	NE	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIOGD601D	Manage multiple drilling operations	AUSMASA	RIIOGD601A	Manage multiple drilling operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIOGF302E	Operate drilling fluids and mud pits	BuildSkills	RIIOGF302D	Operate drilling fluids and mud pits	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGN201F	Carry out rig lease operations	AUSMASA	RIIOGN201E RIIWSV202E	Carry out rig lease operations Carry out well servicing rig lease operations	NE	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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RIIOGN302F	Operate mud pumps	AUSMASA	RIIOGN302E	Operate mud pumps	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIOGN303E	Operate, monitor and maintain mud systems	AUSMASA	RIIOGN303D	Operate mud systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIPBE201D	Conduct aeration process	AUSMASA	RIIPBE201A	Conduct aeration process	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE202D	Conduct digestion process	AUSMASA	RIIPBE202A	Conduct digestion process	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE203D	Conduct precipitation operations	AUSMASA	RIIPBE203A	Conduct precipitation operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE204D	Conduct reduction process	AUSMASA	RIIPBE204A	Conduct reduction process	E	2	Required frequency and volume of evidence amended in Performance evidence.

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							Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE301D	Conduct calcinations activities	AUSMASA	RIIPBE301A	Conduct calcinations activities	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE302D	Conduct bacterial oxidation	AUSMASA	RIIPBE302A	Conduct bacterial oxidation	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE303D	Conduct filtering process	AUSMASA	RIIPBE303B	Conduct filtering process	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE304D	Conduct heavy media separation	AUSMASA	RIIPBE304B	Conduct heavy media separation	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert

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							experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE305D	Conduct high tension separation	AUSMASA	RIIPBE305A	Conduct high tension separation	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE306D	Conduct leaching process	AUSMASA	RIIPBE306A	Conduct leaching process	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE308D	Conduct thickening and clarifying process	AUSMASA	RIIPBE308B	Conduct thickening and clarifying process	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE309D	Conduct wet gravity separation	AUSMASA	RIIPBE309B	Conduct wet gravity separation	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIIPBE310D	Conduct flotation process	AUSMASA	RIIPBE310B	Conduct flotation process	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPBE311D	Conduct magnetic separation	AUSMASA	RIIPBE311B	Conduct magnetic separation	E	2	Editorial corrections. Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPEO201E	Conduct conveyor operations	AUSMASA	RIIPEO201D	Conduct conveyor operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIPEO202E	Provide deck support for conveyor-car high wall mining operations	AUSMASA	N/A	N/A	D		UoC deleted
RIIPEO203D	Conduct stacker operations	AUSMASA	RIIPEO203D	Conduct stacker operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIIPEO204D	Conduct shore side mooring operations	AUSMASA	RIIPEO204D	Conduct shore side mooring operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPEO205D	Conduct ship loading operations	AUSMASA	RIIPEO205A	Conduct ship loading operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPEO206D	Lay and recover cables and hoses	AUSMASA	RIIPEO206D	Lay and recover cables and hoses	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPEO207E	Carry out conveyor system shift	AUSMASA	RIIPEO207D	Carry out conveyor system shift	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIPEO208E	Extend, retract and maintain conveyor componentry	AUSMASA	N/A	N/A	D		UoC deleted
RIIPEO301E	Conduct conveyor-car high wall mining operations	AUSMASA	N/A	N/A	D		UoC deleted

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RIIPEO302E	Operate and monitor ore car dumpers	AUSMASA	RIIPEO302D	Operate and monitor ore car dumpers	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIPGP201D	Conduct pump operations	AUSMASA	RIIPGP201A	Conduct pump operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPGP202D	Handle reagents	AUSMASA	RIIPGP202A	Handle reagents	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPGP203D	Operate compressors	AUSMASA	RIIPGP203A	Operate compressors	E	2	Performance Criteria numbering amended. Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPGP301D	Conduct drying activities	AUSMASA	RIIPGP301A	Conduct drying activities	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert

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							experience requirements, how assessment should be conducted and what it should confirm.
RIIPGP302D	Monitor and operate auxiliary plant and equipment	AUSMASA	RIIPGP302A	Monitor and operate auxiliary plant and equipment	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPHA201D	Operate raw material feed systems	AUSMASA	RIIPHA201A	Operate raw material feed systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPHA301D	Conduct milling/grinding	AUSMASA	RIIPHA301A	Conduct milling/ grinding	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPHA302D	Operate and monitor filter processes	AUSMASA	RIIPHA302A	Operate and monitor filter processes	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIIPRE301D	Conduct electrowinning/electro-refining operations	AUSMASA	RIIPRE301A	Conduct electrowinning/ electrorefining operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRE302D	Conduct elution processes	AUSMASA	RIIPRE302A	Conduct elution processes	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRE303D	Conduct gold room operations	AUSMASA	RIIPRE303A	Conduct gold room operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRM501E	Implement, monitor, rectify and report on contracts	AUSMASA	RIIPRM501D	Implement, monitor, rectify and report on contracts	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIPRO201D	Conduct crushing operations	AUSMASA	RIIPRO201A	Conduct crushing operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIIPRO202D	Conduct screening and conveying operations	AUSMASA	RIIPRO202A	Conduct screening and conveying operations	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRO203D	Operate programmable logic control systems	Shared	RIIPRO203A	Operate programmable logic control systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRO204D	Bulk package and store product	AUSMASA	RIIPRO204A	Bulk package and store product	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRO205D	Conduct blending plant operations	Shared	RIIPRO205A	Conduct blending plant operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRO301D	Conduct crushing and screening plant operations	AUSMASA	RIIPRO301C	Conduct crushing and screening plant operations	E	3	Required frequency and volume of evidence amended in Performance evidence.

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							Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRO302D	Perform process control room operations	AUSMASA	RIIPRO302A	Perform process control room operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRO303D	Conduct sand wash plant operations	AUSMASA	RIIPRO303A	Conduct sand wash plant operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRO401D	Supervise processing operations	AUSMASA	RIIPRO401A	Supervise processing operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRO402D	Supervise recycled materials operations	AUSMASA	RIIPRO402A	Supervise recycled materials operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert

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							experience requirements, how assessment should be conducted and what it should confirm.
RIIPRO501D	Implement site processing plant operations	AUSMASA	RIIPRO501A	Implement site processing plant operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPRO502D	Develop, implement and maintain process control systems	AUSMASA	RIIPRO502A	Develop, implement and maintain process control systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPSM302D	Cast ingots	AUSMASA	RIIPSM302A	Cast ingots	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIPSM304D	Operate furnaces	AUSMASA	RIIPSM304A	Operate furnaces	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIQUA201E	Maintain and monitor site quality standards	Shared	RIIQUA201E	Maintain and monitor site quality standards	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIQUA401E	Apply a quality management system on site	Shared	RIIQUA401D	Apply a quality management system on site	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIQUA501E	Implement, monitor and develop quality management plans	Shared	RIIQUA501D	Implement, monitor and develop quality management plans	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIQUA601E	Establish and maintain a quality system	Shared	RIIQUA601D	Establish and maintain a quality system	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIRAI401D	Apply and monitor mine services and infrastructure systems	AUSMASA	RIIRAI401A	Apply and monitor mine services and infrastructure systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI402D	Apply and monitor site plant and resource management plan	Shared	RIIRAI402A	Apply and monitor site plant and resource management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI501D	Implement mine transport systems and production equipment	AUSMASA	RIIRAI501B	Implement mine transport systems and production equipment	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI502D	Develop and implement site plant and resource management plan	Shared	RIIRAI502A	Develop and implement site plant and resource management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI503D	Implement site services and infrastructure systems	AUSMASA	RIIRAI503B	Implement site services and infrastructure systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI504D	Select and install surface plant and equipment	AUSMASA	RIIRAI504A	Select and install surface plant and equipment	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI505D	Implement the surface mine mechanical plant management plan	AUSMASA	RIIRAI505A	Implement the surface mine mechanical plant management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIIRAI506D	Implement, monitor, rectify and report on inventory control system	AUSMASA	RIIRAI506A	Implement, monitor, rectify and report on inventory control system	NE	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI507D	Implement the underground coal mine mechanical plant management plan	AUSMASA	RIIRAI507A	Implement the underground coal mine mechanical plant management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI508E	Implement mine services systems	AUSMASA	RIIRAI508D	Implement mine services systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIRAI509D	Implement mine fixed plant and infrastructure systems	AUSMASA	RIIRAI509A	Implement mine fixed plant and infrastructure systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI510D	Implement, monitor, rectify and report on interfaces between electrical and mechanical componentry	AUSMASA	RIIRAI510A	Implement, monitor, rectify and report on interfaces between electrical and mechanical componentry	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIRAI601D	Establish and maintain the site infrastructure and fixed plant systems	AUSMASA	RIIRAI601A	Establish and maintain the site infrastructure and fixed plant systems	NE	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI602D	Establish and maintain mine mechanical plant, services and infrastructure systems	AUSMASA	RIIRAI602A	Establish and maintain mine mechanical plant, services and infrastructure systems	NE	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI603E	Establish and maintain mine transport systems and production equipment	AUSMASA	RIIRAI603E	Establish and maintain mine transport systems and production equipment	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIRAI604E	Establish and maintain mine services and infrastructure systems	AUSMASA	RIIRAI604D	Establish and maintain mine services and infrastructure systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIRAI605D	Establish and maintain an underground mine mechanical plant management system	AUSMASA	RIIRAI605A	Establish and maintain an underground mine mechanical plant management system	NE	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI607D	Establish quarry operations	AUSMASA	RIIRAI607A	Establish quarry operations	E	2	Required frequency and volume of evidence amended in Performance evidence.

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							Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI608D	Establish quarry development	AUSMASA	N/A	N/A	D		UoC deleted
RIIRAI609D	Establish and maintain electrical installations, reticulation and protection system	AUSMASA	RIIRAI609A	Establish and maintain electrical installations, reticulation and protection system	NE	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI610D	Establish and maintain mechanical standard/engineering practices for transport/production equipment	AUSMASA	RIIRAI610A	Establish and maintain mechanical standard and engineering practices for transport and production equipment	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIRAI611D	Establish and maintain a surface mine mechanical plant management system	AUSMASA	RIIRAI611A	Establish and maintain a surface mine mechanical plant management system	NE	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIIRIS201E	Conduct local risk control	Shared	RIIRIS201D	Conduct local risk control	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIRIS202E	Respond to site based spills	Shared	RIIRIS202D	Respond to site based spills	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIRIS301	Apply risk management processes	Shared	RIIRIS301E	Apply risk management processes	NE	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 11.0. Amendments have been made to application, elements, performance criteria, foundation skills, knowledge and performance evidence and assessor requirements to better reflect the requirements of the resources and infrastructure industry.
RIIRIS401E	Apply site risk management system	Shared	RIIRIS401E	Apply site risk management system	E	1	Significant endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIRIS402E	Carry out the risk management process	Shared	RIIRIS402D	Carry out the risk management process	E	1	Significant endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIRIS403E	Manage and coordinate spill response	Shared	RIIRIS403D	Manage and coordinate spill response	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIRIS501E	Implement and maintain management systems to control risk	Shared	RIIRIS501D	Implement and maintain management systems to control risk	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIRIS601E	Establish and maintain risk management systems	Shared	RIIRIS601D	Establish and maintain the risk management system	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIRTM201E	Position, set-up and operate variable message signs	BuildSkills	RIIRTM201D	Position, set-up and operate variable message sign	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIRTM202E	Position, set-up and operate portable traffic signals	BuildSkills	RIIRTM202D	Position, set-up and operate portable traffic signals	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIRTM203E	Work as a safety observer/spotter	BuildSkills	RIIRTM203D	Work as a safety observer/spotter	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIRTM301E	Operate truck or trailer mounted attenuators	BuildSkills	RIIRTM301D	Operate a truck or trailer mounted attenuator	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIISAM201E	Handle resources and infrastructure materials and safely dispose of nontoxic materials	Shared	RIISAM201D	Handle resources and infrastructure materials and safely dispose of nontoxic materials	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM202E	Isolate and access plant	Shared	RIISAM202D	Isolate and access plant	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM203E	Use hand and power tools	Shared	RIISAM203D	Use hand and power tools	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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RIISAM204E	Operate small plant and equipment	Shared	RIISAM204D	Operate small plant and equipment	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM205E	Cut, weld and bend materials	Shared	RIISAM205D	Cut, weld and bend materials	E	2	Minor amendment to Knowledge Evidence to correct typographical error.
RIISAM207E	Apply operational maintenance skills	Shared	RIISAM207D	Apply operational maintenance skills	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM208E	Perform plant operational maintenance	Shared	RIISAM208D	Perform plant operational maintenance	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM209E	Carry out operational maintenance	Shared	RIISAM209D	Carry out operational maintenance	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM212E	Service mine plant and equipment	AUSMASA	RIISAM212E	Service mine plant and equipment	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM213E	Position and set up mobile lighting	Shared	RIISAM213D	Position and set up mobile lighting	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM215E	Carry out drilling industry operational maintenance	Shared	RIISAM215D	Carry out drilling industry operational maintenance	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM301F	Test operational functions of vehicles and equipment	AUSMASA	RIISAM301E	Test operational functions of vehicles and equipment	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM303E	Shutdown dredge for operator maintenance	AUSMASA	N/A	N/A	D		UoC deleted

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RIISAM304E	Install, commission and maintain major conveyor equipment and systems	AUSMASA	RIISAM304D	Install, commission and maintain major conveyor equipment and systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM306E	Service and maintain conveyors, feeders and hoppers	AUSMASA	RIISAM306D	Service and maintain conveyors, feeders and hoppers	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM307E	Service and maintain crushers	AUSMASA	RIISAM307D	Service and maintain crushers	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM308E	Service and maintain screens	AUSMASA	RIISAM308D	Service and maintain screens	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM309E	Service and maintain pumps	AUSMASA	RIISAM309D	Service and maintain pumps	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM315A	Manage tyre, wheel and rim assembly applications	AUSMASA	N/A	N/A	D		UoC deleted
RIISAM401E	Apply site plant, equipment and infrastructure maintenance management plans	Shared	RIISAM401E	Apply site plant, equipment and infrastructure maintenance management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM403E	Commission/recommission plant	AUSMASA	N/A	N/A	D		UoC deleted
RIISAM404	Monitor oil and gas equipment maintenance	AUSMASA	RIISAM314D	Manage oil and gas drilling equipment maintenance	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM501E	Implement and maintain the site plant, equipment	Shared	RIISAM501D	Implement and maintain the site plant, equipment and	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

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	and infrastructure maintenance plans			infrastructure maintenance plan			
RIISAM502E	Manage general drilling equipment maintenance	AUSMASA	RIISAM502D	Manage general drilling equipment maintenance	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISAM601E	Establish and maintain plant, equipment and infrastructure maintenance systems	Shared	RIISAM601D	Establish and maintain plant, equipment and infrastructure maintenance system	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISDM501D	Conduct mine surveying operations	Shared	RIISDM501A	Conduct mine surveying operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIISRM301E	Blend stockpile materials	AUSMASA	RIISRM301D	Blend stockpile materials	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIISRM302E	Conduct stockpile reclaiming operations	AUSMASA	RIISRM302D	Conduct stockpile reclaiming operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIISRM303E	Move and position materials to form stockpiles	AUSMASA	RIISRM303D	Move and position materials to form stockpiles	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIISRM304E	Maintain stockpiles	AUSMASA	RIISRM304D	Maintain stockpiles	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.

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RIISRM401D	Apply and monitor the site stockpile management plan	AUSMASA	RIISRM401A	Apply and monitor the site stockpile management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIISRM501E	Implement stockpile management plans	AUSMASA	RIISRM501D	Implement stockpile management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIISRM502E	Design stockpile formations and reclaiming systems	AUSMASA	RIISRM502D	Design stockpile formations and reclaiming systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIISRM601E	Establish and maintain stockpile management systems	AUSMASA	RIISRM601D	Establish and maintain stockpile management systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIISTD201E	Read and interpret maps	Shared	RIISTD201D	Read and interpret maps	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIISTD202E	Collect routine site samples	Shared	RIISTD202D	Collect routine site samples	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIISTD301D	Take environmental samples and measurements	AUSMASA	RIISTD301A	Take environmental samples and measurements	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIISTD302E	Process data and maintain accurate records	AUSMASA	RIISTD302E	Process data and maintain accurate records	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISTD401	Monitor quarry laboratory operations and the quality of results	Shared	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUMM201D	Install ground support	AUSMASA	RIIUMM201A	Install ground support	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUMM202D	Install and maintain vent	AUSMASA	RIIUMM202A	Install and maintain vent	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUMM203D	Prepare and perform manual scaling operations	AUSMASA	RIIUMM203A	Prepare and perform manual scaling operations	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUMM303D	Conduct hand held mining	AUSMASA	RIIUMM303A	Conduct hand held mining	E	2	Required frequency and volume of evidence amended in Performance evidence.

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							Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUMM304D	Construct and maintain underground roads	AUSMASA	RIIUMM304A	Construct and maintain underground roads	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUMM305D	Install and remove a secondary fan	AUSMASA	RIIUMM305A	Install and remove a secondary fan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUMM306D	Conduct mechanical scaling	AUSMASA	RIIUMM306A	Conduct mechanical scaling	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUMM307D	Maintain underground stockpiles	AUSMASA	RIIUMM307A	Maintain underground stockpiles	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert

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							experience requirements, how assessment should be conducted and what it should confirm.
RIIUND201D	Install, maintain and recover reticulation systems	AUSMASA	RIIUND201A	Install, maintain and recover reticulation systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUND202E	Operate from elevated work platform underground	AUSMASA	RIIUND202D	Operate from elevated work platform underground	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND204D	Refuel vehicles/machines underground	AUSMASA	RIIUND204A	Refuel vehicles/machines underground	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUND205E	Respond to a workforce incident	AUSMASA	RIIUND205D	Respond to a workforce incident	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND206D	Install hand held underground ground support	AUSMASA	RIIUND206A	Install hand held underground ground support	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

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RIIUND207E	Conduct underground lifting operations	AUSMASA	RIIUND207D	Conduct underground lifting operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND208E	Conduct skip operations	AUSMASA	RIIUND208E	Conduct skip operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND209E	Operate automated winder	AUSMASA	RIIUND209D	Operate automated winder	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND301E	Operate manual winder	AUSMASA	RIIUND301E	Operate manual winder	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND302E	Conduct cage operations	AUSMASA	RIIUND302D	Conduct cage operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND303E	Operate winder for shaft sinking	AUSMASA	RIIUND303D	Operate winder for shaft sinking	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND305D	Recover underground equipment	AUSMASA	RIIUND305A	Recover underground equipment	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUND307D	Conduct tele-remote operations	AUSMASA	RIIUND307A	Conduct tele-remote operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience

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							requirements, how assessment should be conducted and what it should confirm.
RIIUND309D	Conduct mechanical underground ground support drilling and installation	AUSMASA	RIIUND309A	Conduct mechanical underground ground support drilling and installation	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIUND310E	Apply shotcrete underground	AUSMASA	RIIUND310D	Apply shot-crete underground	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIUND401E	Apply and monitor the ventilation management plan	AUSMASA	RIIUND401D	Apply and monitor the ventilation management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND501E	Implement the ventilation management plan	AUSMASA	RIIUND501D	Implement the ventilation management plan	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND601E	Establish and maintain ventilation management systems	AUSMASA	RIIUND601D	Establish and maintain the ventilation management systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIUND602D	Establish and maintain mine services systems	AUSMASA	RIIUND602A	Establish and maintain mine services systems	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIUND603D	Manage, operate and maintain the mine ventilation system	AUSMASA	RIIUND603A	Manage, operate and maintain the mine ventilation system	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIVEH201E	Operate a light vehicle	Shared	RIIVEH201D	Operate light vehicle	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIVEH202F	Operate a medium vehicle	Shared	RIIVEH202E	Operate a medium vehicle	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIVEH203E	Operate a light vehicle underground	Shared	RIIVEH203D	Operate light vehicle underground	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIVEH302E	Operate multi-combination vehicle	Shared	RIIVEH302D	Operate multi-combination vehicle	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIVEH303F	Drive heavy combination vehicle	Shared	RIIVEH303E	Drive heavy combination vehicle	E	2	This version was released with RII Resources and Infrastructure Industry Training Package Version 8.0. Minor update of unit of competency. Amendments made to wording of elements and performance criteria to better reflect intent.
RIIVEH304E	Conduct tip truck operations	Shared	RIIVEH304D	Conduct tip truck operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIVEH305F	Operate and maintain a four wheel drive vehicle	Shared	RIIVEH305E	Operate and maintain a four wheel drive vehicle	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIVEH306E	Operate a mine service vehicle	AUSMASA	RIIVEH306D	Operate a mine service vehicle	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 8.0. Minor update of unit of competency. Amendments made to wording of performance criteria to better reflect intent.
RIIVEH307F	Operate a heavy rigid vehicle	Shared	RIIVEH307E	Operate a heavy rigid vehicle	E	2	This version first released with RII Resources and Infrastructure Industry Training Package Version 8.0. Minor update of unit of competency. Amendments made to wording of knowledge evidence to better reflect intent.
RIIWBP201E	Treat and dispose of rejects and tailings	AUSMASA	RIIWBP201D	Treat and dispose of rejects and tailings	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIWBP202E	Distribute tailings	AUSMASA	RIIWBP202D	Distribute tailings	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIWBP203E	Monitor tailings dam environments	AUSMASA	RIIWBP203D	Monitor tailings dam environments	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.
RIIWBP401D	Apply and monitor site waste and by-products management plan	AUSMASA	RIIWBP401A	Apply and monitor site waste and by-products management plan	E	2	Required frequency and volume of evidence amended in Performance evidence.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIWP501D	Implement site waste and by-product management plan	AUSMASA	RIIWP501A	Implement site waste and by-product management plan	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIWP502D	Plan and monitor recycled material operations	AUSMASA	RIIWP502A	Plan and monitor recycled material operations	E	2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIWS201E	Work safely and follow WHS policies and procedures	Shared	RIIWS201D	Work safely and follow WHS policies and procedures	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIWS202	Enter and work in confined spaces	Shared	RIIWS202E	Enter and work in confined spaces	E	1	Application: · Simplification of wording for readability without altering intent. Elements: · Simplification of wording to Element (4.) to describe the breadth of work activities. Performance Criteria:

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							- Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. - Legislative requirements and SWMS/permit-based control measures applied throughout. PCs 1.1-1.10 aligned with current confined space entry practices. - PCs 2.1-2.8 reflect operational order from ventilation and atmospheric testing through to task completion. - Dynamic risk response added at PC 2.6. - Expanded detail added for post-work activities within PCs 3.1-3.5. Performance Evidence: - Restructuring and expansion to align with current industry and WHS requirements. - Addition of detailed references to risk assessment, hazard control verification, and isolation/lockout procedures in early dot points. - Inclusion of accurate referencing to permit and SWMS processes throughout, and new requirements for communication with stand-by person and emergency response activation. Knowledge Evidence: - Refinement of wording and inclusion of accurate referencing to regulations, codes of practice, SWMS, and permits to align with current WHS compliance requirements. - Addition of training confirmation, risk control measures, and instrument/monitoring device capabilities to strengthen technical accuracy.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							· Simplification of terminology for clarity. Assessment Conditions (Assessor Requirements): · Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” · Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. · Simplification of remaining wording to align with industry requirements.
RIIWHS204	Work safely at heights	Shared	RIIWHS204E	Work safely at heights	E	1	Application: · Expanded scope and clarification to explicitly define the nature and risk of work-at-heights without changing unit intent. · Addition of a clear exclusion statement specifying that the unit does not cover the erection of scaffolds or work platforms without changing unit intent. Updated to reflect two distinct learner profiles and provide greater precision, context, and alignment with WHS and industry expectations for work-at-heights activities without changing unit intent. Elements: · Element (1.) reworded to “Plan and prepare for working at heights”.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							·Element (2.) reworded to “Assess work area and implement risk controls”. ·Element (3.) reworded to “Access work area and prepare for work at height”. Performance Criteria: ·Wording streamlined for consistency, using concise action verbs and tasks consistent with standard site terminology. ·Reference to legislative WHS requirements (SWMS) added in PC 1.2. ·Delete PC 2.2 which is now encompassed under PC 4.4. ·Relocate PC 3.2 under the correct Element (2) and reword according to industry requirements. Performance Evidence: ·Expanded to align with permit-to-work, SWMS, and JSA requirements. ·Addition of verifying authorisation of permits, confirming control measures, and referencing manufacturer and site procedures for PPE use and inspection. ·Simplification of language while improving precision in describing fitting, anchoring, and tensioning of fall protection systems and ensuring protection of people working below. Knowledge Evidence: ·Expansion of legislative requirements. ·Common hazards and associated control measures added. ·Expanded examples of height safety equipment added.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							- Expanded examples of the complying with manufacturer specifics added. - Assessment Conditions (Assessor Requirements): - Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” - Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. - Simplification of remaining wording to align with industry requirements.
RIIWHS205E	Control traffic with stop-slow bat	BuildSkills	RIIWHS205D	Control traffic with stop-slow bat	E	2	Significant endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIWHS206	Control traffic with portable traffic control devices and temporary traffic signs	BuildSkills	N/A	N/A	N/A	1	New unit
RIIWHS207	Control traffic on high volume roads	BuildSkills	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIWHS208	Operate within an autonomous workplace functional safety system	Shared	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 9.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							Newly created unit.
RIIWH301E	Conduct safety and health investigations	Shared	RIIWH301D	Conduct safety and health investigations	E	1	Significant endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIWH302	Implement traffic management plans	BuildSkills	RIIWH302E	Implement traffic management plans	E	1	Application: •Amended to accurate differences in traffic management roles across work sites. •Additional context included regarding OSH/WHS interchangeability and legislative requirements. •Reference to “Austroads Guide to Temporary Traffic Management (AGTTM)” included. Performance Criteria: •Personnel resourcing, liaison, and communication consolidated at PC 1.4. •PCs 2.1–2.2 emphasise verification and readiness rather than procedural authorisation. •PC 3.2 added the words “within scope of own authority”, improving compliance and role clarity. •PC 3.4 revised to reference responding to unsafe road user behaviour. •PC 4.1 rephrased to improve accuracy and alignment with team-based practice. •PCs 4.1-4.3 reordered for logical sequencing. Performance Evidence: •Project types expanded to encompass broader site conditions. •Minor wording refinements across all points. Knowledge Evidence:

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							·Alignment with current Austroads and WHS requirements. ·Signs and devices expanded to include expectations for positioning, installation, maintenance, visibility, spacing, and removal. Assessment Conditions (Assessor Requirements): ·Deletion of references to superseded legislation and any references to specific regulatory requirements, replacing with the statement “Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.” ·Simplification of wording to instruct industry experts to abide with the same legislation, frameworks and/or standards as Assessors, if assessing. ·Simplification of remaining wording to align with industry requirements.
RIIWHS303	Position, set up and program portable traffic control devices	BuildSkills	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIWHS304	Implement traffic management plans on high volume roads	BuildSkills	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIWHS305	Implement traffic management plans on motorways and freeways	BuildSkills	N/A	N/A	N/A	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIWHS401E	Supervise work in confined spaces	Shared	RIIWHS401D	Supervise work in confined spaces	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIWHS402E	Examine and maintain mine safety	AUSMASA	RIIWHS402D	Examine and maintain mine safety	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIWHS403E	Apply the work health and safety management system	Shared	RIIWHS403D	Apply the mine work health and safety management plan	E	1	Significant endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.
RIIWHS404E	Implement and monitor health and hygiene management systems	Shared	RIIWHS404D	Implement and monitor health and hygiene management systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIWHS405D	Maintain standard procedures and safe working practices	Shared	RIIWHS405A	Maintain standard procedures and safe working practices	E	4	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIWHS601E	Establish and maintain the WHS management system	Shared	RIIWHS601D	Establish and maintain the WHS management system	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIWMG201D	Conduct dewatering activities in surface operations	AUSMASA	RIIWMG201A	Conduct dewatering activities in surface operations	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIIWMG202D	Conduct dewatering operations in underground mining operations	AUSMASA	RIIWMG202A	Conduct dewatering operations in underground mining operations	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIWMG203E	Drain and dewater civil construction sites	BuildSkills	RIIWMG203D	Drain and dewater civil construction sites	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIWMG301E	Control construction site water tables	BuildSkills	RIIWMG301D	Control construction site water tables	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.
RIIWMG302D	Reclaim and treat water	AUSMASA	RIIWMG302A	Reclaim and treat water	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIWMG401D	Apply and monitor the site water management plan	AUSMASA	RIIWMG501A	Implement the site water management plan	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIWMG501D	Implement the site water management plan	AUSMASA			E	3	Required frequency and volume of evidence amended in Performance evidence.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
							Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIWMG601D	Establish and maintain water management system	AUSMASA	RIIWMG601A	Establish and maintain water management system	E	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIIWSV203E	Prepare equipment for well servicing air operations	AUSMASA	RIIWSV203D	Prepare equipment for well servicing air operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIWSV301F	Conduct and maintain well servicing derrick operations	AUSMASA	RIIWSV301E	Conduct and maintain well servicing derrick operation	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIWSV302E	Trip production string for well servicing operations	AUSMASA	RIIWSV302D	Trip production string for well servicing operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIWSV303E	Operate fluid systems	AUSMASA	RIIWSV303D	Operate fluid systems	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIIWSV304E	Prepare well servicing fishing operations	AUSMASA	RIIWSV304D	Prepare well servicing fishing operations	E	2	This version was first released with RII Resources and Infrastructure Industry Training Package Version 7.1. Updated mapping information.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIISV401E	Rig up and rig down for well servicing operations	AUSMASA	RIISV401D	Rig up and rig down for well servicing	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISV402D	Conduct well servicing milling operations	AUSMASA	N/A	N/A	N/A	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIISV403E	Participate in well servicing nipping-up and pressure test	AUSMASA	RIISV403D	Participate in well servicing nipping-up and pressure test	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.
RIISV404D	Conduct fishing operations	AUSMASA	N/A	N/A	N/A	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIISV501D	Manage well servicing induction and orientation	AUSMASA	N/A	N/A	N/A	3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
RIISV502E	Manage well completion and rig release	AUSMASA	RIISV502D	Manage well completion and rig release	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Code	Current National Title	JSC Allocation	Superseded Code	Superseded Title	UoC Equivalency	Release Number	Notes
RIISV503E	Manage and monitor rig-up operations	AUSMASA	RIISV503D	Manage and monitor rig-up operations	E	1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Imported and pre-requisite units

Imported units in the training package

A range of units of competency has been imported into the *RII Resources and Infrastructure Industry Training Package* to provide greater flexibility, choice and transferability of skills within the industry.

Imported units of competency in RII Training Package V11.0 qualifications		
AHCECR203	Perform basic ecological restoration works	AHC Agriculture, Horticulture and Conservation and Land Management
AHCECR303	Implement biological reintroduction works	AHC Agriculture, Horticulture and Conservation and Land Management
AHCSAW203	Conduct erosion and sediment control activities	AHC Agriculture, Horticulture and Conservation and Land Management
AHCSAW303	Construct conservation earthworks	AHC Agriculture, Horticulture and Conservation and Land Management
AURFA001	Use numbers in an automotive workplace	AUR Automotive Retail, Service and Repair
AURETK001	Identify, select and use low voltage electrical test equipment	AUR Automotive Retail, Service and Repair
AURETR116	Read and apply vehicle wiring schematics and drawings	AUR Automotive Retail, Service and Repair
AURKTJ011	Remove, inspect and fit earthmoving and off-the-road tyres	AUR Automotive Retail, Service and Repair
AURKTJ012	Remove, inspect and fit earthmoving and off-the-road wheel and rim assemblies	AUR Automotive Retail, Service and Repair
BSBCRT411	Apply critical thinking to work practices	BSB Business Services

Imported units of competency in RII Training Package V11.0 qualifications

BSBESB401	Research and develop business plans	BSB Business Services
BSBESB403	Plan finances for new business ventures	BSB Business Services
BSBESB404	Market new business ventures	BSB Business Services
BSBESB406	Establish operational strategies and procedures for new business ventures	BSB Business Services
BSBFIN401	Report on financial activity	BSB Business Services
BSBFIN501	Manage budgets and financial plans	BSB Business Services
BSBHRM413	Support the learning and development of teams and individuals	BSB Business Services
BSBHRM522	Manage employee and industrial relations	BSB Business Services
BSBHRM523	Coordinate the learning and development of teams and individuals	BSB Business Services
BSBHRM525	Manage recruitment and onboarding	BSB Business Services
BSBINS309	Maintain business records	BSB Business Services
BSBINS402	Coordinate workplace information systems	BSB Business Services
BSBINS410	Implement records systems for small business	BSB Business Services
BSBINS501	Implement information and knowledge management systems	BSB Business Services
BSBINS601	Manage knowledge and information	BSB Business Services
BSBLDR301	Support effective workplace relationships	BSB Business Services
BSBLDR411	Demonstrate leadership in the workplace	BSB Business Services
BSBLDR413	Lead effective workplace relationships	BSB Business Services
BSBLDR414	Lead team effectiveness	BSB Business Services
BSBLDR602	Provide leadership across the organisation	BSB Business Services
BSBOPS304	Deliver and monitor a service to customers	BSB Business Services

Imported units of competency in RII Training Package V11.0 qualifications

BSBOPS402	Coordinate business operational plans	BSB Business Services
BSBOPS404	Implement customer service strategies	BSB Business Services
BSBOPS502	Manage business operational plans	BSB Business Services
BSBOPS505	Manage organisational customer service	BSB Business Services
BSBOPS601	Develop and implement business plans	BSB Business Services
BSBPEF201	Support personal wellbeing in the workplace	BSB Business Services
BSBPEF401	Manage personal health and wellbeing	BSB Business Services
BSBPEF402	Develop personal work priorities	BSB Business Services
BSBPEF501	Manage personal and professional development	BSB Business Services
BSBPMG424	Apply project human resources management approaches	BSB Business Services
BSBPMG427	Apply project procurement procedures	BSB Business Services
BSBPMG430	Undertake project work	BSB Business Services
BSBPMG530	Manage project scope	BSB Business Services
BSBPMG531	Manage project time	BSB Business Services
BSBPMG532	Manage project quality	BSB Business Services
BSBPMG533	Manage project cost	BSB Business Services
BSBPMG534	Manage project human resources	BSB Business Services
BSBPMG535	Manage project information and communication	BSB Business Services
BSBPMG536	Manage project risk	BSB Business Services
BSBPMG537	Manage project procurement	BSB Business Services
BSBPMG540	Manage project integration	BSB Business Services

Imported units of competency in RII Training Package V11.0 qualifications

BSBPMG632	Manage program risk	BSB Business Services
BSBPUR301	Purchase goods and services	BSB Business Services
BSBSTR401	Promote innovation in team environments	BSB Business Services
BSBSTR402	Implement continuous improvement	BSB Business Services
BSBSTR501	Establish innovative work environments	BSB Business Services
BSBSTR502	Facilitate continuous improvement	BSB Business Services
BSBSTR601	Manage innovation and continuous improvement	BSB Business Services
BSBSTR602	Develop organisational strategies	BSB Business Services
BSBSUS201	Participate in environmentally sustainable work practices	BSB Business Services
BSBSUS211	Participate in sustainable work practices	BSB Business Services
BSBSUS301	Implement and monitor environmentally sustainable work practices	BSB Business Services
BSBSUS401	Implement and monitor environmentally sustainable work practices	BSB Business Services
BSBSUS411	Implement and monitor environmentally sustainable work practices	BSB Business Services
BSBSUS601	Lead corporate social responsibility	BSB Business Services
BSBTEC101	Operate digital devices	BSB Business Services
BSBTWK201	Work effectively with others	BSB Business Services
BSBTWK301	Use inclusive work practices	BSB Business Services
BSBTWK502	Manage team effectiveness	BSB Business Services
BSBWHS311	Assist with maintaining workplace safety	BSB Business Services
BSBWHS401	Implement and monitor WHS policies, procedures and programs to meet legislative requirements	BSB Business Services
BSBWHS403	Contribute to implementing and maintaining WHS consultation and participation processes	BSB Business Services

Imported units of competency in RII Training Package V11.0 qualifications

BSBWHS411	Implement and monitor WHS policies, procedures and programs	BSB Business Services
BSBWHS413	Contribute to implementation and maintenance of WHS consultation and participation processes	BSB Business Services
BSBWHS501	Ensure a safe workplace	BSB Business Services
BSBWHS521	Ensure a safe workplace for a work area	BSB Business Services
BSBWHS616	Apply safe design principles to control WHS risks	BSB Business Services
BSBWOR404	Develop work priorities	BSB Business Services
BSBWOR501	Manage personal work priorities and professional development	BSB Business Services
BSBWOR502	Lead and manage team effectiveness	BSB Business Services
BSBXBD401	Capture and store big data	BSB Business Services
BSBXBD402	Test big data samples	BSB Business Services
BSBXBD403	Analyse big data	BSB Business Services
BSBXBD404	Use big data for operational decision making	BSB Business Services
BSBXBD405	Develop procedures for managing big data	BSB Business Services
BSBXBD406	Present big data insights	BSB Business Services
BSBXBD407	Protect big data integrity	BSB Business Services
BSBXBD408	Implement and review procedures for managing big data	BSB Business Services
BSBXTW301	Work in a team	BSB Business Services
BSBXTW401	Lead and facilitate a team	BSB Business Services
CPCCCM2007	Use explosive power tools	CPC Construction, Plumbing and Services
CPCCLDG3001	Licence to perform dogging	CPC Construction, Plumbing and Services

Imported units of competency in RII Training Package V11.0 qualifications

CPCCLRG3001	Licence to perform rigging basic level	CPC Construction, Plumbing and Services
CPCCLSF2001	Licence to erect, alter and dismantle scaffolding basic level	CPC Construction, Plumbing and Services
CPCCLSF3001	Licence to erect, alter and dismantle scaffolding intermediate level	CPC Construction, Plumbing and Services
CPCCSF2004	Place and fix reinforcement materials	CPC Construction, Plumbing and Services
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry	CPC Construction, Plumbing and Services
CPPSIS3015	Collect basic surveying data	CPP Property Services
CPPSIS5032	Capture new spatial data	CPP Property Services
CPPSIS5035	Obtain and validate spatial data	CPP Property Services
CPPSIS5036	Integrate spatial datasets	CPP Property Services
CPPSSI3016	Provide field support services for surveying and spatial projects	CPP Property Services
FBPOPR2074	Carry out manual handling tasks	FBP Food, Beverage and Pharmaceutical
FWPCOT2236	Fall trees manually (basic)	FWP Forest and Wood Products
FWPCOT2273	Trim and cut felled trees	FWP Forest and Wood Products
FWPCOT3350	Fell trees manually (intermediate)	FWP Forest and Wood Products
HLTAID011	Provide First Aid	HLT Health
HLTAID014	Provide Advanced First Aid	HLT Health
ICTCBL334	Install underground enclosures and conduit	ICT Information and Communications Technology
ICTDAT401	Evaluate organisational compliance with data ethics legislation	ICT Information and Communications Technology

Imported units of competency in RII Training Package V11.0 qualifications

ICTDAT402	Clean and verify data	ICT Information and Communications Technology
ICTDBS414	Complete database backup and restore	ICT Information and Communications Technology
ICTDBS418	Monitor and administer databases	ICT Information and Communications Technology
ICTICT214	Operate application software packages	ICT Information and Communications Technology
ICTICT221	Identify and use specific industry standard technologies	ICT Information and Communications Technology
ICTICT312	Use advanced features of applications	ICT Information and Communications Technology
LGAOPS001	Prepare for operational works	LGA Local Government
LGAOPS003	Develop works maintenance schedule	LGA Local Government
LGAOPS005	Manage civil plant and resources	LGA Local Government
LGAPLA005	Protect heritage and cultural assets	LGA Local Government
MEM07024	Operate and monitor machine and process	MEM Manufacturing and Engineering
MEM07028	Operate computer controlled machines and processes	MEM Manufacturing and Engineering
MEM09002	Interpret technical drawing	MEM Manufacturing and Engineering
MEM11011	Undertake manual handling	MEM Manufacturing and Engineering
MEM12023	Perform engineering measurements	MEM Manufacturing and Engineering
MEM12024	Perform computations	MEM Manufacturing and Engineering
MEM13015	Work safely and effectively in manufacturing and engineering	MEM Manufacturing and Engineering
MEM16006	Organise and communicate information	MEM Manufacturing and Engineering

Imported units of competency in RII Training Package V11.0 qualifications

MEM16008	Interact with computing technology	MEM Manufacturing and Engineering
MEM18001	Use hand tools	MEM Manufacturing and Engineering
MEM18002	Use power tools/hand held operations	MEM Manufacturing and Engineering
MEM23004A	Apply technical mathematics	MEM Manufacturing and Engineering
MEM23007A	Apply calculus to engineering tasks	MEM Manufacturing and Engineering
MEM30005A	Calculate force systems within simple beam structures	MEM Manufacturing and Engineering
MEM30006A	Calculate stresses in simple structures	MEM Manufacturing and Engineering
MEM30012A	Apply mathematical techniques in a manufacturing engineering or related environment	MEM Manufacturing and Engineering
MEM30027A	Prepare basic programs for programmable logic controllers	MEM Manufacturing and Engineering
MEM30031A	Operate computer-aided design (CAD) system to produce basic drawing elements	MEM Manufacturing and Engineering
MEM30032A	Produce basic engineering drawings	MEM Manufacturing and Engineering
MEM30033A	Use computer-aided design (CAD) to create and display 3-D models	MEM Manufacturing and Engineering
MEMPE007A	Pull apart and re-assemble engineering mechanisms	MEM Manufacturing and Engineering
MSL913004	Plan and conduct laboratory/field work	MSL Laboratory Operations
MSL924005	Process and interpret data	MSL Laboratory Operations
MSL925006	Analyse data and report results	MSL Laboratory Operations
MSL943003	Work safely with instruments that emit ionising radiation	MSL Laboratory Operations
MSL953003	Receive and prepare samples for testing	MSL Laboratory Operations
MSL954004	Obtain representative samples in accordance with sampling plan	MSL Laboratory Operations
MSL973014	Prepare working solutions	MSL Laboratory Operations
MSL973018	Prepare trial batches for evaluation	MSL Laboratory Operations

Imported units of competency in RII Training Package V11.0 qualifications

MSL973021	Conduct field-based acceptance tests for construction materials	MSL Laboratory Operations
MSL973022	Conduct laboratory-based acceptance tests for construction materials	MSL Laboratory Operations
MSL973025	Perform basic tests	MSL Laboratory Operations
MSL974016	Perform physical and mechanical tests	MSL Laboratory Operations
MSL974017	Prepare, standardise and use solutions	MSL Laboratory Operations
MSL974019	Perform chemical tests and procedures	MSL Laboratory Operations
MSL974026	Perform tests to determine the properties of construction materials	MSL Laboratory Operations
MSL975031	Supervise sampling, inspections and testing at construction sites	MSL Laboratory Operations
MSL975044	Perform complex tests to measure engineering properties of materials	MSL Laboratory Operations
MSMENV172	Identify and minimise environmental hazards	MSM Manufacturing
MSMENV272	Participate in environmentally sustainable work practices	MSM Manufacturing
MSMOPS101	Make measurements	MSM Manufacturing
MSMOPS212	Use organisation computers or data systems	MSM Manufacturing
MSMPER200	Work in accordance with an issued permit	MSM Manufacturing
MSMPER300	Issue work permits	MSM Manufacturing
MSMSUP100	Apply workplace context to own job	MSM Manufacturing
MSMSUP101	Clean workplace or equipment	MSM Manufacturing
MSMSUP390	Use structured problem-solving tools	MSM Manufacturing
MSMWHS200	Work safely	MSM Manufacturing
MSMWHS201	Conduct hazard analysis	MSM Manufacturing
MSMWHS217	Gas test atmospheres	MSM Manufacturing
NWPNET016	Inspect sewer or stormwater line	NWP National Water
NWPNET017	Supervise and report on conduit inspections	NWP National Water
NWPNET037	Inspect sewer or stormwater assets	NWP National Water
PMAOMIR322	Manage incident response information	PMA Chemical, Hydrocarbons and Refining
PMAOMIR418	Coordinate incident response	PMA Chemical, Hydrocarbons and Refining

Imported units of competency in RII Training Package V11.0 qualifications

PMAOMIR444	Develop incident containment tactics	PMA Chemical, Hydrocarbons and Refining
PMAOPS101	Read dials and indicators	PMA Chemical, Hydrocarbons and Refining
PMAOPS202	Operate fluid mixing equipment	PMA Chemical, Hydrocarbons and Refining
PMAOPS205	Operate heat exchangers	PMA Chemical, Hydrocarbons and Refining
PMAOPS208	Operate chemical separation equipment	PMA Chemical, Hydrocarbons and Refining
PMAOPS223	Operate and monitor valve systems	PMA Chemical, Hydrocarbons and Refining
PMAOPS230	Monitor, operate and maintain pipeline stations and equipment	PMA Chemical, Hydrocarbons and Refining
PMAOPS246	Operate separation equipment	PMA Chemical, Hydrocarbons and Refining
PMAOPS247	Operate powered separation equipment	PMA Chemical, Hydrocarbons and Refining
PMAOPS280	Interpret process plant schematics	PMA Chemical, Hydrocarbons and Refining
PMAOPS338	Communicate and monitor pipeline activities	PMA Chemical, Hydrocarbons and Refining
PMAOPS342	Conduct pipeline pigging	PMA Chemical, Hydrocarbons and Refining
PMAOPS343	Transfer bulk fluids into/out of storage facility	PMA Chemical, Hydrocarbons and Refining
PMAOPS411	Manage plant shutdown and restart	PMA Chemical, Hydrocarbons and Refining

Imported units of competency in RII Training Package V11.0 qualifications

PMASUP236	Operate vehicles in the field	PMA Chemical, Hydrocarbons and Refining
PMASUP441	Decommission plant	PMA Chemical, Hydrocarbons and Refining
PMAWHS211	Prepare equipment for emergency response	PMA Chemical, Hydrocarbons and Refining
PPMSTM301	Perform steam boiler operations	PPM Pulp & Paper Manufacturing Industry Training Package
PPMSTM330	Shut down and bank steam boiler	PPM Pulp & Paper Manufacturing Industry Training Package
PSPPCM023	Manage strategic contracts	PSP Public Sector Training Package
PUAAMS007	Coordinate search and rescue operations	PUA Public Safety
PUAEMR032	Design emergency management exercises	PUA Public Safety
PUAEMR036	Manage and evaluate emergency management exercises	PUA Public Safety
PUAEQU001	Prepare, maintain and test response equipment	PUA Public Safety
PUAFIR207	Operate breathing apparatus open circuit	PUA Public Safety
PUAFIR210	Prevent injury	PUA Public Safety
PUAFIR306	Identify, detect and monitor hazardous materials at an incident	PUA Public Safety
PUAFIR324	Render hazardous materials incidents safe	PUA Public Safety
PUALAW001	Protect and preserve incident scene	PUA Public Safety
PUAMAN002	Administer allocation of resources	PUA Public Safety
PUAMAN008	Manage physical resources	PUA Public Safety
PUAOPE013	Operate communications systems and equipment	PUA Public Safety
PUAOPE015	Conduct briefings and debriefings	PUA Public Safety
PUARCV001	Provide psychological first aid	PUA Public Safety
PUASAR022	Participate in a rescue operation	PUA Public Safety
PUASAR024	Undertake road crash rescue	PUA Public Safety
PUASAR025	Undertake confined space rescue	PUA Public Safety
PUASAR027	Undertake land search rescue	PUA Public Safety
PUASAR029	Undertake a complex transport rescue	PUA Public Safety
PUASAR032	Undertake vertical rescue	PUA Public Safety

Imported units of competency in RII Training Package V11.0 qualifications

TAEASS311	Contribute to assessment	TAE Training and Education
TAEASS401	Plan assessment activities and processes	TAE Training and Education
TAEASS412	Assess competence	TAE Training and Education
TAEASS413	Participate in assessment validation	TAE Training and Education
TAEDEL311	Provide work skill instruction	TAE Training and Education
TLIA0003	Complete and check import/export documentation	TLI Transport and Logistics
TLIB2001	Check and assess operational capabilities of equipment	TLI Transport and Logistics
TLIC3004	Drive heavy rigid vehicle	TLI Transport and Logistics
TLID2022	Conduct weighbridge operations	TLI Transport and Logistics
TLID3011	Conduct specialised forklift operations	TLI Transport and Logistics
TLIE2007	Use communications systems	TLI Transport and Logistics
TLIE3004	Prepare workplace documents	TLI Transport and Logistics
TLIL1001	Complete workplace orientation/induction procedures	TLI Transport and Logistics
TLIL4059	Implement asset management systems	TLI Transport and Logistics
TLILIC0003	Licence to operate a forklift truck	TLI Transport and Logistics
TLILIC0005	Licence to operate a boom-type elevating work platform (boom length 11 metres or more)	TLI Transport and Logistics
TLILIC0016	Licence to operate a bridge and gantry crane	TLI Transport and Logistics
TLILIC0022	Licence to operate a slewing mobile crane (up to 20 tonnes)	TLI Transport and Logistics
TLILIC0024	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)	TLI Transport and Logistics
TLILIC2016	Licence to drive a heavy rigid vehicle	TLI Transport and Logistics
TLILIC3017	Licence to drive a heavy combination vehicle	TLI Transport and Logistics

Imported units of competency in RII Training Package V11.0 qualifications

TLILIC3018	Licence to drive a multi-combination vehicle	TLI Transport and Logistics
TLIP0007	Facilitate and capitalise on change in the workplace	TLI Transport and Logistics
TLIP5036	Manage assets	TLI Transport and Logistics
TLIW5002	Manage rail assets and interfaces	TLI Transport and Logistics
UEPOPS083	Operate and monitor boiler steam/water cycle	UEP Electricity Supply

Prerequisite units in RII Resources and Infrastructure Industry Training Package

Unit code and title	Prerequisite unit code and title
CPCCCM2007 Use explosive power tools	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
CPCCLRG3001 Licence to perform rigging basic level	CPCCLDG3001 Licence to perform dogging
CPCCLSF3001 Licence to erect, alter and dismantle scaffolding intermediate level	CPCCLSF2001 Licence to erect, alter and dismantle scaffolding basic level
CPCCSF2004 Place and fix reinforcement materials	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
MEM07024 Operate and monitor machine and process	MEM11011 Undertake manual handling MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
MEM07028 Operate computer controlled machines and processes	MEM07024 Operate and monitor machine and process MEM11011 Undertake manual handling MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
MEM09002 Interpret technical drawing	MEM12023 Perform engineering measurements MEM12024 Perform computations MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
MEM11011 Undertake manual handling	MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
MEM12023 Perform engineering measurements	MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
MEM12024 Perform computations	MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
MEM16006 Organise and communicate information	MEM13015 Work safely and effectively in manufacturing and engineering
MEM16008 Interact with computing technology	MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
MEM18001 Use hand tools	MEM11011 Undertake manual handling MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information

MEM18002 Use power tools/hand held operations	MEM11011 Undertake manual handling MEM13015 Work safely and effectively in manufacturing and engineering MEM16006 Organise and communicate information
MSL925006 Analyse data and report results	MSL924005 Process and interpret data
MSL974026 Perform tests to determine the properties of construction materials	MSL973022 Conduct laboratory-based acceptance tests for construction materials
MSL975031 Supervise sampling, inspections and testing at construction sites	MSL954004 Obtain representative samples in accordance with sampling plan MSL973021 Conduct field-based acceptance tests for construction materials
MSL975044 Perform complex tests to measure engineering properties of materials	MSL974026 Perform tests to determine the properties of construction materials MSL973022 Conduct laboratory-based acceptance tests for construction materials
MSMPER300 Issue work permits	MSMWHS201 Conduct hazard analysis
PUAEMR036 Manage and evaluate emergency management exercises	PUAEMR032 Design emergency management exercises
PUAEQU001 Prepare, maintain and test response equipment	PUAFIR210 Prevent injury
PUAFIR207 Operate breathing apparatus open circuit	PUAFIR210 Prevent injury
PUAFIR306 Identify, detect and monitor hazardous materials at an incident	PUAFIR207 Operate breathing apparatus open circuit
PUAFIR324 Render hazardous materials incidents safe	PUAFIR207 Operate breathing apparatus open circuit
PUAMAN008 Manage physical resources	PUAMAN002 Administer allocation of resources
PUASAR022 Participate in a rescue operation	HLTAID011 Provide first aid
PUASAR024 Undertake road crash rescue	HLTAID011 Provide first aid PUASAR022 Participate in a rescue operation
PUASAR025 Undertake confined space rescue	PUAFIR306 Identify, detect and monitor hazardous materials at an incident PUASAR022 Participate in a rescue operation
PUASAR027 Undertake land search rescue	PUAFIR210 Prevent injury
PUASAR029 Undertake a complex transport rescue	HLTAID011 Provide first aid
PUASAR032 Undertake vertical rescue	PUASAR022 Participate in a rescue operation
RIICBM302E Install pre-cast girders	CPCCLDG3001A Licence to perform dogging
RIICBM305E Install pre-cast concrete bridge decks	CPCCLDG3001A Licence to perform dogging
RIICTC402 Supervise tunnel boring machine operations	RIICTC306 Conduct tunnel boring machine operations

RIICWD538 Prepare traffic management plans and traffic guidance schemes for high volume roads	RIICWD503 Prepare traffic management plans and traffic guidance schemes
RIICWD539 Prepare traffic management plans and traffic guidance schemes for motorways and freeways	RIICWD503 Prepare traffic management plans and traffic guidance schemes
RIIERR305 Control underground fires	RIIERR303E Operate in a self-contained regenerative oxygen breathing apparatus, OR PUAFIR207 Operate breathing apparatus open circuit
RIIERR307 Extricate casualties from underground incidents	RIIERR303E Operate in a self-contained regenerative oxygen breathing apparatus, OR PUAFIR207 Operate breathing apparatus open circuit
RIIERR308 Extricate and transport people involved in incidents	RIIERR303E Operate in a self-contained regenerative oxygen breathing apparatus, OR PUAFIR207 Operate breathing apparatus open circuit
RIINHB223 Prepare, run and cement casing	RIIOGD204F Perform rig floor operations
RIIWHS207 Control traffic on high volume roads	RIIWHS205E Control traffic with stop-slow bat
RIIWHS304 Implement traffic management plans on high volume roads	RIIWHS302 Implement traffic management plans
RIIWHS305 Implement traffic management plans on motorways and freeways	RIIWHS302 Implement traffic management plans

Implementation information

Key features of the training package and Resources and Infrastructure industry

The industry at a glance

The Mining sector encompasses a broad range of businesses and workers involved in mining, drilling and quarrying. The activities undertaken by these businesses are broad in nature, ranging from extracting and processing resources on a mine site or oil rig to operating plant and equipment.

The breadth of activities in the sector means that most individuals, businesses and organisations interact with, and benefit from, the sector in some way. This can be seen through the billions of dollars in revenue generated from exporting minerals, metals and petroleum overseas.

Coal mining

Workers in this sub-sector are involved in open-cut (surface) and underground coal mining and processing.

Drilling

Workers in this sub-sector are involved in onshore and offshore drilling for oil and gas, as well as drilling associated with mineral exploration and production, geothermal energy production, water wells, civil infrastructure and agriculture.

Extractive (quarrying)

Workers in this sub-sector are involved in extracting raw materials used in building and construction, including sand, rock, gravel and limestone.

Metalliferous mining

Workers in this sub-sector are involved in open-cut (surface) and underground mining and processing minerals including iron ore, copper, nickel, gold, silver, zinc, lithium, uranium and mineral sands.

Contextualisation

Some industry-specific contexts and activities associated with units of competency within the Resources and Infrastructure Industry Training Package are expanded below to reduce ambiguity and support implementation.

General applications

- *Pre-operational Checks in Mobile Plant units:* Pre-operational checks require learners to visually confirm that plant, equipment and safety systems are serviceable and compliant with manufacturer and site requirements. These checks do not require learners to perform maintenance tasks but do require confirmation that; required servicing has been completed; safety systems are present and functional; and any defects or faults are identified and reported in accordance with site procedures. Maintenance activities remain the responsibility of authorised personnel in accordance with site and legislative requirements.
- *Silica Hazards and scope of coverage in housekeeping activities:* Silica-related hazards are primarily associated with activities such as cutting, grinding, drilling or crushing materials. Management of silica exposure is typically addressed through site-specific hazard management systems, dedicated silica-awareness training, relevant work health and safety units, or site requirements. Silica-specific disposal or housekeeping requirements are not embedded within individual plant operation units unless the activity directly involves silica-generating processes.
- *Positive Communication:* refers to a deliberate process of communication that includes confirmation and acknowledgement between parties before an activity proceeds. Positive communication may involve verbal, visual, electronic or procedural methods and may include two-way radio confirmation, verbal acknowledgement, hand or visual signals, digital or written confirmations, or other site-approved communication systems. Where positive communication processes are required by the workplace, learners must follow those systems in accordance with site procedures. Where a workplace does not mandate positive communication systems, general communication and coordination requirements would apply as outlined in site procedures and applicable legislation.
- *Handover Requirements:* relates to the transfer of responsibility for plant, equipment or work activities between operators or work periods. Some examples of handover processes may include verbal briefings between operators or supervisors; written or electronic logs; reporting of faults, hazards or incomplete work; and confirmation of operating status and site conditions. This list is not exhaustive, and individuals should follow the specific handover methods determined by workplace procedures and site requirements.
- *Safe Work Method Statements (SWMS):* are a legal requirement in Australian mining (and construction) for high-risk work, mandated under Work Health and Safety (WHS) legislation (like the WHS Act 2020 and specific Mine Safety Regulations) to detail hazards, risks, and control measures for activities such as working at heights, using mobile plant, or demolition.
- *Safety Planning Documents:* Job Safety Analysis (JSA), Job Hazard Analysis (JHA), and Job Safety & Environmental Analysis (JSEA) are largely interchangeable terms for the same process; breaking down a job into steps to identify hazards and establish safe work procedures. The JSEA is the most inclusive as it adds environmental considerations, while the

JHA/JSA focus primarily on health & safety risks, serving as essential risk assessment tools to prevent injuries and ensure compliance.

Specific applications

- *RIIHAN308 Load and Unload Plant – competency requirements:* is intended for individuals who operate the plant during loading and unloading activities, *not* for persons who are only assisting, guiding or directing plant movements. Where the activity requires starting, moving, positioning or stopping plant under its own power, the individual must hold current competency to operate that plant, in accordance with legislative, licensing and site requirements. Persons who assist with loading or unloading activities (such as guiding plant, acting as spotters, or directing movements) but do not operate the plant should be assessed against the appropriate support or guiding unit, not this unit.
- *RIIHAN308 Load and Unload Plant – ‘fundamentally stable’:* References to securing and stabilising loads or referring to a load as being ‘fundamentally stable’ are intended to align with current load restraint legislation, codes of practice and industry guidelines. To be considered ‘fundamentally stable’, load restraint methods must prevent movement during transport; comply with national and state or territory specific load restraint guidelines and regulations; and reflect the type, weight and configuration of the plant or equipment.
- *RIIHAN308 Load and Unload Plant – Performance Evidence requirements:* These parameters have been deemed necessary by Subject Matter Experts (SMEs) from the civil and mining industries to ensure learners are taught and assessed on equipment of the size and complexity to what this unit allows. Learning on equipment that does not meet these parameters is considered a significant WHS risk to both the learner and the worksite.

RII Emergency Response – Supporting Information for RTOs

Expectations of fitness levels applicable to RII30726 Certificate III in Emergency Response and Rescue and RII41326 Certificate IV in Emergency Response Coordination

The work of emergency response is unpredictable, occurring at extremely short notice, and physically and psychologically demanding. It therefore requires individuals who are in good health and have an adequate level of fitness for the role. A periodic review of medical, psychological and fitness assessments may be undertaken according to site specific requirements and a risk-based approach.

Code of Practice - Emergency management for Western Australian mines

This code of practice is issued by the Department of Mines, Industry Regulation and Safety under the Mines Safety and Inspection Act 1994, with the endorsement of the Mining Industry Advisory Committee (MIAC) and approval from the Minister for Mines and Petroleum. A code of practice is a practical guide to achieving the standards of occupational safety and health required under legislation.

[Emergency management for Western Australian mines - code of practice](#)

Entry requirements applicable to RII41326 Certificate IV in Emergency Response Coordination

This qualification is limited to those who have completed

RII30726 Certificate III in Emergency Response and Rescue, or equivalent.

OR

RII30719 Certificate III in Emergency Response and Rescue, or equivalent AND PUAFIR207 Operate breathing apparatus open circuit, or equivalent

OR

RII30719 Certificate III in Emergency Response and Rescue, or equivalent AND RIIERR303E Operate in self-contained regenerative oxygen breathing apparatus, or equivalent

The entry requirement of the Certificate III in Emergency Response and Rescue removes the need for HLTAIS014 as a core unit in RII41326 Certificate IV in Emergency Response Coordination.

Applicable to RIIRIS301 Apply risk management processes:

Dynamic Risk Assessment

The definition of Dynamic Risk Assessment has been adopted from the Code of Practice for Emergency Management in Western Australian Mines developed by the Western Australian Department of Local Government, Industry Regulation and Safety –

During the response to an emergency event, a process of Dynamic Risk Assessment (DRA) is utilised to maintain responder safety in the evolving emergency. The definition of a Dynamic Risk Assessment (DRA) in relation to an Emergency Incident is:

“The continuous process of identifying hazards, assessing risk, monitoring, reviewing and taking action to eliminate or reduce risk, in the rapidly changing circumstances of an operational incident.”

It is a situation where what is being assessed is developing as the response itself is being undertaken.

This is further complicated for the Response Leader in that, often, rescues must be performed, exposures protected, and response operations commenced before a complete appreciation of all material facts has been obtained.

At an individual level, each responder, must constantly search and check for hazards of all types, which may affect their task or role and modify their actions to avoid those hazards, as well as those which impact on the overall objectives of the team, which must be communicated back to the Response Leader. This process of constantly checking for and managing risk must continue until the emergency is declared to be controlled.

As an incident progresses, circumstances may change due to the escalation or de-escalation of the scene.

For example:

ERT crews are in breathing apparatus and attempting to extinguish coal burning in a chute of a coal conveyor system. The fire ignites the conveyor belt at the base of the chute, on the level below the fire crews.

This would be considered a significant escalation of the incident that requires a major change in strategy and would certainly prompt a DRA by the ERT crews and would be communicated back to the response leader, to re-evaluate the scene and determine what changes to approach, method, tactic, equipment, tools or personnel will be required to complete all tasks safely. Any changes that are made to an operational plan must be clearly communicated to all responding emergency personnel.

Some hazards encountered during an emergency incident which may require immediate intervention and action by responders include, but are not limited to:

- autonomous mining fails to shut down or other technology failure (such as cyber-attack)
- aftershocks to a seismic event
- biological hazards
- blast fumes
- crew fatigue
- electrical energisation
- emergency response driving
- entrapment of responders
- flooding and/or inrush
- high pressure/high temperature equipment
- hazardous materials identification
- ignition or uncontrolled spread of fire – structural, bush, electrical, vehicle as well as flash over, back draft and structural collapse
- moving/rotating machinery
- natural gas leak/explosion
- occupied refuges

- psychosocial risk identified (casualty located and known to responder)
- responder experience
- responder is injured
- response equipment failure
- surface mobile equipment instability or tyre explosion
- the involvement of casualties inclusive of those with significant trauma
- traffic both site-based or public roadway
- unstable backs or drive
- weather and environmental factors
- working at height

Critical Control Management

The definition of Critical Controls provided by Resources Safety & Health Queensland in Guidance Note QGN 35 The Integration of Critical Controls into PHMPs for Coal Mines in Queensland. This definition is specific to coal mines; however, it has been adopted across the various mining facets applicable to this training package.

In Guidance Note QGN 35 the Queensland Coal Inspectorate defines Critical Controls as –

critical control means a risk control measure for a coal mine -

(a) that is critical to -

(i) prevent a material unwanted event at the coal mine; or

(ii) mitigate the consequences of a material unwanted event at the coal mine; and

(b) the absence or failure of which would significantly increase risk despite the existence of other risk control measures.

Material unwanted event (MUE), at a coal mine, means an unwanted event in relation to which the potential or real consequence to safety or health exceeds a threshold defined by the coal mine operator as warranting the highest level of attention

Applicable to RIIRIS312 Respond to incidents involving energy storage systems:

Responding to energy storage system incidents forms part of the broader skills and knowledge required to manage a range of workplace hazards within vocational practice. As energy storage systems become more commonplace across diverse operational environments, learners must develop the capability to identify associated risks and apply appropriate response strategies in accordance with organisational procedures, WHS legislative requirements, and industry best practice.

Resources

As part of the National Electric Vehicle Strategy (NEVS), the Australian Government has recognised the need for world-leading guidance and targeted training of emergency response personnel. This is to

ensure the safety of responders when dealing with electric vehicle (EV) incidents and fires involving high-voltage lithium-ion batteries (LIBs).

To address this, the Australian and New Zealand Council for Fire and Emergency Services developed an online training package designed to equip emergency responders with the knowledge and strategies required to manage a range of EV-related scenarios.

Developed in collaboration with TAFE NSW and subject matter experts from across Australia and internationally and funded by the Australian Government.

The online training module is available at <https://www.afac.com.au/ev-training>

Legislation

RTO training materials developed for this unit should reference the following Australian Standards

- AS 5487 Battery powered electric machines for use in underground mines

Industry sectors and occupational outcomes of qualifications

Sectors in the RII Resources and Infrastructure Training Package

Unit sector unit and competency fields are given a specific code for the purpose of accurate mapping and grouping. The RII Training Package contains the following sectors:

Industry sectors represented in RII Training Package		
General fields of competence applicable to all sectors	RIIARO	Specialist units of competency developed for application in autonomous and remote operations environments.
	RIIBEF	Specialist units of competency developed for application in business effectiveness environments.
	RIICCR	Specialist units of competency developed for application in customer and community relations environments.
	RIICOM	Specialist units of competency developed for application in communication environments.
	RIIENV	Specialist units of competency developed for application in environment environments.
	RIIFIA	Specialist units of competency developed for application in financial administration and management environments.
	RIIGOV	Specialist units of competency developed for application in governance and compliance environments.
	RIIIMG	Specialist units of competency developed for application in information management environments.
	RIILAT	Specialist units of competency developed for application in leadership and teamwork environments.
	RIIPRM	Specialist units of competency developed for application in project management environments.
	RIIQUA	Specialist units of competency developed for application in quality environments.

Industry sectors represented in RII Training Package

	RIIRIS	Specialist units of competency developed for application in risk management environments.
	RIIWHS	Specialist units of competency developed for application in work health and safety environments.
Technical fields of competence applicable to all sectors	RIIBHD	Specialist units of competency developed for application in blasting hole drilling environments.
	RIIBLA	Specialist units of competency developed for application in blasting environments.
	RIIERR	Specialist units of competency developed for application in emergency response and rescue environments.
	RIIHAN	Specialist units of competency developed for application in load handling environments.
	RIISAM	Specialist units of competency developed for application in service and maintenance environments.
	RIISTD	Specialist units of competency developed for application in sampling, testing and data processing and recording environments.
	RIIVEH	Specialist units of competency developed for application in vehicle operations environments.
Technical fields of competence applicable to more than 2 sectors	RIICAR	Specialist units of competency developed for application in conservation and rehabilitation environments.
	RIICTT	Specialist units of competency developed for application in trenchless technology environments.
	RIIMEX	Specialist units of competency developed for application in materials extraction environments.
	RIIMPO	Specialist units of competency developed for application in mobile plant operations environments.
	RIIPEO	Specialist units of competency developed for application in plant and equipment operations environments.

Industry sectors represented in RII Training Package

	RIIPRO	Specialist units of competency developed for application in processing (general) environments.
	RIIRAI	Specialist units of competency developed for application in resources and infrastructure environments.
	RIISDM	Specialist units of competency developed for application in spatial data management environments.
	RIISRM	Specialist units of competency developed for application in stockpile and reclaim material environments.
	RIIUND	Specialist units of competency developed for application in underground mining environments.
	RIIWBP	Specialist units of competency developed for application in waste and by-products environments.
	RIIWMG	Specialist units of competency developed for application in water management environments.
Civil Construction	RIICAM	Specialist units of competency developed for application in civil infrastructure asset management environments.
	RIICBM	Specialist units of competency developed for application in bridge construction and maintenance (general) environments.
	RIICBS	Specialist units of competency developed for application in bituminous surfacing environments.
	RIICCM	Specialist units of competency developed for application in civil works (common units) environments.
	RIICFW	Specialist units of competency developed for application in foundation works environments.
	RIICPL	Specialist units of competency developed for application in underground services environments.
	RIICRC	Specialist units of competency developed for application in road and pavements construction and maintenance (general) environments.

Industry sectors represented in RII Training Package

	RIICRM	Specialist units of competency developed for application in road marking environments.
	RIICSG	Specialist units of competency developed for application in civil structures (general) environments.
	RIICTB	Specialist units of competency developed for application in timber bridge construction and maintenance environments.
	RIICTC	Specialist units of competency developed for application in tunnel construction environments.
	RIICWD	Specialist units of competency developed for application in civil works design environments.
	RIICWM	Specialist units of competency developed for application in civil works (management and supervision) environments.
	RIIDML	Specialist units of competency developed for application in demolitions environments.
	RIIRTM	Specialist units of competency developed for application in road and traffic management environments.
Coal Mining	RIIDES	Specialist units of competency developed for application in coal mining (diesel engine systems maintenance) environments.
	RIIMCO	Specialist units of competency developed for application in coal mining (open cut) environments.
	RIIMCP	Specialist units of competency developed for application in coal mining (coal preparation) environments.
	RIIMCU	Specialist units of competency developed for application in coal mining (underground) environments.
	RIIPEO	Specialist units of competency developed for application in coal mining (general) environments.

Industry sectors represented in RII Training Package

Metalliferous Mining	RIIEGS	Specialist units of competency developed for application in exploration and field work environments.
	RIIMPG, RIIPHA, RIIPGP, RIIPBP	Specialist units of competency developed for application in processing (general) environments.
	RIIMSM	Specialist units of competency developed for application in metalliferous mining (small mines) environments.
	RIIPBE, RIIMPG	Specialist units of competency developed for application in beneficiation environments.
	RIIPSM	Specialist units of competency developed for application in smelting environments.
	RIIUMM	Specialist units of competency developed for application in metalliferous mining (underground) environments.
Drilling	RIINHB	Specialist units of competency developed for application in drilling (general) environments.
	RIIOGD, RIIOGF, RIIOGN	Specialist units of competency developed for application in drilling (oil and gas) environments.
	RIIWSV	Specialist units of competency developed for application in drilling (well servicing) environments.

Occupational outcomes of qualifications

There are currently no national credit arrangements between qualifications in the RII Resources and Infrastructure Industry Training Package and higher education programs due to the diversity of business, commerce and accounting curriculum across universities.

Achievement of AQF qualifications provides opportunities for individuals to pursue and achieve their career goals. Qualifications can be achieved in various ways, including:

- off-the-job training, e.g. attending classroom-based learning programs
- on-the-job training, e.g. apprenticeships, traineeships
- skills recognition
- credit transfer.

The qualification pathways shown on the following pages provide insight into the resources and infrastructure industry career pathways and entry-level career options. The following information and tables show possible occupational outcomes for qualifications in the training package and includes pathways between qualifications.

The qualification pathway tables are provided for each sector and can be used for a variety of purposes, for example:

- the recognition of job roles;
- increasing the knowledge of qualification structures for those already in the sector;
- increasing the knowledge of career options for those entering the industry;
- succession planning; and
- relating vocations to qualifications or skill sets.

Mandatory entry requirements

Generally, individuals may commence a qualification or skill set as long as they have the knowledge, skills or experience required for entry. Industry feedback has determined that particular entry requirements are required to maximise the successful completion of some qualifications by learners.

The table below shows those qualifications in the *RII Resources and Infrastructure Industry (mining) Training Package* with specific entry requirements.

RII qualifications with entry requirements

Code and title	Entry requirements	Rationale
RII30220 Certificate III in Underground Coal Operations	Successful completion of the following or equivalent: ● RIICOM201E Communicate in the workplace ● RIIERR203E Escape from hazardous situation unaided ● RIIERR205D Apply initial response first aid ● RIIGOV201E Comply with site work processes/procedures ● RIIMCU217 Apply spontaneous combustion management measures ● RIIMCU208E Conduct basic strata control operations ● RIIMCU214E Conduct ventilation operations ● RIIRIS201E Conduct local risk control ● RIIWHS201E Work safely and follow WHS policies and procedures	Industry has identified these nine units of competency are essential for all occupational outcomes relating to underground coal mining.
RII41326 Certificate IV in Emergency Response Coordination	This qualification is limited to those who have completed: RII30726 Certificate III in Emergency Response and Rescue, or equivalent. OR RII30719 Certificate III in Emergency Response and Rescue, or equivalent, AND PUA FIR207 Operate breathing apparatus open circuit, or equivalent OR RII30719 Certificate III in Emergency Response and Rescue, or equivalent, AND RIIERR303E Operate in self-contained regenerative oxygen breathing apparatus, or equivalent	These entry requirements were first introduced in Release 11.0 of the RII Training Package and reflect the expectation that individuals entering the qualification have sufficient industry experience in emergency response and rescue to demonstrate readiness to lead teams in hazardous and high-stakes operating environments.

The table below shows those skill sets in the *RII Resources and Infrastructure Training Package* with specific entry requirements.

RII skill sets with entry requirements

Code and title	Entry requirements	Rationale
RIISS00075 Work in an Autonomous Workplace Skill Set	This skill set may only be undertaken in addition to: Completion of RIARO308 Use data in an autonomous workplace or equivalent.	Industry has identified these experience and competency as essential for all occupational outcomes for work in an autonomous workplace skill set.

Pathways advice

A pathway is the route or course of action taken to get to a destination. A training pathway generally means the learning activities or experiences used to attain the competencies needed to achieve career goals. There is no single pathway that applies to everyone; each individual has specific needs and goals.

Qualification pathways and occupational outcomes

There are currently no national credit arrangements between qualifications in the RII Resources and Infrastructure Training Package and higher education programs due to the diversity of business, commerce and accounting curriculum across universities.

Achievement of AQF qualifications provides opportunities for individuals to pursue and achieve their career goals. Qualifications can be achieved in various ways, including:

- off-the-job training, e.g. attending classroom-based learning programs
- on-the-job training, e.g. apprenticeships, traineeships
- skills recognition
- credit transfer.

Qualification pathways

Qualification pathways information in RII Training Package

Diploma	
Graduates at this level will have integrated technical and theoretical knowledge in a broad range of contexts to undertake advanced, skilled, supervisory work and/or further learning.	
RII50120 Diploma of Surface Operations Management	Pathway to Advanced Diploma of Surface Coal Mining Management or as Mine supervisor / Open-cut operations supervisor / Leading hand
RII50420 Diploma of Underground Coal Mining Management	Pathway to Advanced Diploma of Underground Coal Mining Management or as an undermanager / Mine deputy

RII50620 Diploma of Drilling Operations	Pathway to Advanced Diploma of Drilling Management or work in Mining Management or as an undermanager / Mine deputy
Certificate IV	
Graduates at this level will have theoretical and practical knowledge and skills for specialised and/or skilled work and/or further learning.	
RII40120 Certificate IV in Surface Extraction Operations	Pathway to Diploma of Surface Operations Management Pathway from Certificate III in Surface Extraction or industry experience
RII40426 Certificate IV in Underground Coal Operations	Pathway to Diploma of Underground Coal Mining Management Pathway from Certificate III in Underground Coal Ops and statutory requirements
RII40520 Certificate IV in Civil Construction Supervision	Pathway to Diploma of Civil Construction Management Pathway from Certificate III in Civil Construction streams
RII40720 Certificate IV in Civil Construction	Pathway to RII50520 Diploma of Civil Construction Management Pathway from Certificate III in Civil Construction or appropriate industry experience
Certificate III	
Graduates at this level will have theoretical and practical knowledge and skills for work and/or further learning.	
RII30120 Certificate III in Surface Extraction Operations	Pathway to Certificate IV in Surface Extraction Operations Entry from school or workplace; RPL where appropriate
RII30320 Certificate III in Underground Coal Operations	Pathway to Certificate IV in Underground Coal Operations Pathway from workplace; RPL where appropriate
RII30420 Certificate III in Resource Processing	Pathway to Certificate IV in Resource Processing Pathway from school or workplace; RPL where appropriate
RII30826 Certificate III in Civil Construction (Plant Operations)	Pathway to Certificate IV in Civil Construction / Civil Construction Supervision Pathway from Certificate II in Civil Construction / school-based pathways / RPL

RII30926 Certificate III in Civil Construction	Pathway to Certificate IV in Civil Construction / Civil Construction Supervision Pathway from Certificate II in Civil Construction / school-based pathways / RPL
RII31820 Certificate III in Drilling Operations	Pathway to Certificate IV in Drilling Oil & Gas / Civil Construction Pathway from Certificate II in Drilling or industry experience
RII31519 Certificate III in Drilling Oil & Gas (Onshore)	Pathway to Certificate IV in Drilling Oil & Gas or related supervision qualifications Pathway from workplace; RPL where appropriate
Certificate II	
Graduates at this level will have knowledge and skills for work in a defined context and/or further learning.	
RII20220 Certificate II in Surface Extraction Operations	Pathway to Certificate III in Surface Extraction Operations Pathway from school or employment; RPL where appropriate
RII20320 Certificate II in Underground Coal Mining	Pathway to Certificate III in Underground Coal Operations Pathway from school or employment; RPL where appropriate
RII20420 Certificate II in Underground Metalliferous Mining	Pathway to Certificate III in Underground Metalliferous Mining Pathway from school or employment; RPL where appropriate
RII20520 Certificate II in Resource Processing	Pathway to Certificate III in Resource Processing Pathway from school or employment; RPL where appropriate
RII20620 Certificate II in Mining/Field Exploration	Pathway to Certificate III in Mining Exploration Pathway from school or employment; RPL where appropriate
RII20720 Certificate II in Civil Construction	Pathway to Certificate III in Civil Construction or Plant Operations Pathway from school or employment; RPL where appropriate

RII20920 Certificate II in Drilling Operations	Pathway to Certificate III in Drilling Operations Pathway from school or employment; RPL where appropriate
RII21120 Certificate II in Oil & Gas Drilling (Onshore) and Well Servicing	Pathway to Certificate III in Drilling Oil & Gas (Onshore) Pathway from school or employment; RPL where appropriate
Certificate I	
Graduates at this level will have knowledge and skills for initial work, community involvement and/or further learning.	
RII10115 Certificate I in Resources and Infrastructure Operations	Pathway to Certificate II in Resources & Infrastructure Work Preparation Pathway from school or employment with appropriate training and/or Recognition of prior learning

Skill set pathways

Skill set pathways information in RII Training Package

Code	Title	Pathways Information
RIISS00030	Explosion Protected Diesel Engine Systems Maintenance Skill Set	This Skill Set can provide credit towards RII40426 Certificate IV in Underground Coal Operations and other qualifications that allow for selection of these units.
RIISS00031	Mine Surveying Skill Set	This Skill Set can provide credit towards RII40426 Certificate IV in Underground Coal Operations and other qualifications that allow for selection of these units.
RIISS00032	Site Health and Safety Coordinator Skill Set	This Skill Set can provide credit towards RII40120 Certificate IV Surface Extraction Operations and other qualifications that allow for selection of these units.
RIISS00036	Underground Shotfiring - Metalliferous Skill Set	This Skill Set can provide credit towards RII30320 Certificate III in Underground Metalliferous Mining and other qualifications that allow for selection of these units.
RIISS00038	Oil and Gas (Off Shore) Rouseabout Skill Set	This Skill Set can provide credit towards RII20920 Certificate II in Drilling Operations and other qualifications that allow for selection of these units.

Code	Title	Pathways Information
RIISS00051	Supervision of Diverse Work Teams Skill Set	This Skill Set can provide credit toward RII40226 Certificate IV in Surface Coal Mining (Open Cut Examiner) and other qualifications that allow for selection of these units.
RIISS00052	Surface Shotfiring Skill Set	This Skill Set can provide credit towards RII30120 Certificate III in Surface Extraction Operations and other qualifications that allow for selection of these units.
RIISS00053	Advanced offtheroad and earthmoving tyre fitting	This Skill Set can provide credit towards RII30115 Certificate III in Surface Extraction Operations, RII30220 Certificate III in Underground Coal Operations and other qualifications that allow for selection of these units.
RIISS00062	Construction Materials Testing Skill Set	The Skill Set can provide credit towards RII40115 Certificate IV in Surface Extraction Operations and other qualifications that allow for selection of the units.
RIISS00075	Work with Data in an Autonomous Workplace Skill Set	This Skill Set can provide credits towards RII21222 Certificate II in Autonomous Workplace Operations and any other qualifications that allow for the selection of this unit.
RIISS00133	Underground Mine Safety Skill Set	This Skill Set can provide credit towards RII20120 Certificate II in Resources and Infrastructure Work Preparation and other qualifications that allow for selection of these units.
RIISS00134	Surface Mine Safety Skill Set	This Skill Set can provide credit towards RII20120 Certificate II in Resources and Infrastructure Work Preparation and other qualifications that allow for selection of these units.

Access and equity considerations

Access and equity relate to the approaches used to make sure training and assessment practices consider and respond to the individual support needs of learners so that potential learning barriers are eliminated or minimised. Individual support needs that learners could present with could relate to their:

- age
- gender
- cultural or ethnic background
- disability
- sexuality
- language, literacy or numeracy skills
- employment status
- geographical location.

The design and content of this training package support equitable access and progression for all learners. It is the responsibility of the RTO delivering and assessing qualifications to:

- ensure that training and assessment processes and methods do not disadvantage individual learners
- determine the support needs of individual learners and to provide access to any educational and support services necessary.

Some practical ways that access and equity issues could be addressed include:

- modifying assessment processes and techniques for learners who are located at a distance from a campus location
- checking that materials are culturally appropriate for learners
- activities and assessments are suitable for the language, literacy and numeracy skill levels of learners (while meeting the requirements of the unit of competency).

Regional and Remote Delivery Considerations

Where training and assessment is delivered in regional or remote contexts, providers may adopt flexible and context-appropriate approaches, provided all unit requirements are met. This may include:

- Use of mobile training and assessment models, partnerships with employers, community organisations or shared facilities to support access to specialised resources and equipment
- Contextualisation of learning and assessment scenarios to reflect local industry settings, such as agriculture, mobile plant or community fleet operations.

Considerations specific to learners with disability

A legislative and regulatory framework underpins and supports the delivery of VET across Australia. Under this framework, VET providers must take steps to ensure that learners with recognised

disabilities can access and participate in education and training on the same basis as learners without disabilities.

RTOs have obligations to support learners with disability under the Standards for RTOs 2025, *Disability Discrimination Act 1992*, and the Disability Standards for Education 2005. RTOs need to provide advice and information to learners with disability about the suitability of a course, any inherent requirements for the course, reasonable adjustments that can be made, and support that is available.

Training and assessment practices must give due consideration to learners with disability, and in particular recognise the diverse range of disabilities and individualised impact that disability has on learners. Disability is broad and diverse, and can include physical and learning disabilities, chronic medical condition, or mental illness. RTOs must take an individualised approach to supporting learners with disability, recognising that each learner's disability will be specific to that person, and will have a specific impact on their learning experience. An individual's disability may necessitate the implementation of specific supports to allow them to participate in learning.

It is recommended to ask universally (and also on an individual basis) whether a person requires adjustments to undertake their course. Make it clear that all personal information will be handled confidentially and that this question is only asked for the purposes of being able to offer support and arrange reasonable adjustments. Learners with disability do not have to disclose their disability, but by making it clear that disclosure is only for the purposes of providing support so they can access and participate in VET equally, learners are more likely to feel comfortable disclosing. If a learner does choose to disclose, they must be consulted to determine what supports or reasonable adjustments should be put in place for them.

It is important that all staff are made aware of what their responsibilities are in negotiating and implementing adjustments and supports.

Examples of educational and support services that can assist learners with disability meet course requirements include:

- offering study support and skills programs, including language, literacy and numeracy (LLN) programs
- providing equipment, resources and/or programs to increase access for learners with disability
- using trained support staff including specialist teachers, note-takers and interpreters
- flexible scheduling and delivery of training and assessment, including allowing longer time where appropriate, and adjusting delivery methods and communication techniques
- providing learning and assessment materials in alternative formats.

Reasonable adjustment for learners with disability

Reasonable adjustments can be made to the learning environment, training delivery, learning resources and/or assessment tasks to accommodate the support needs of a learner with disability. The purpose of reasonable adjustments is to make it possible for learners to participate fully. It is not to give learners with additional or different needs an advantage over others, to change course standards or outcomes, or to guarantee success.

A reasonable adjustment in learning and assessment activity needs to be justifiable and uphold the integrity of the unit/qualification. An adjustment is reasonable if it can accommodate the learner's support needs while also considering factors such as the views of the learner, the potential effect of the adjustment on the learner and others, the costs and benefits of making the adjustment.

Reasonable adjustments should be negotiated on an individualised basis, recognising that each person with disability will have specific learning needs and requirements for adjustment.

Inherent requirements are the fundamental parts of a course that must be met by all learners in order for them to be deemed competent. They are the abilities, skills and knowledge learners need to undertake the course — those components which, if removed, would compromise the learning outcomes. Learners with disability should be provided with reasonable adjustments to enable them to meet these inherent requirements, provided this would not cause unjustifiable hardship to the RTO. However, if a learner cannot meet the inherent requirements, even with adjustments, then they cannot undertake the course. Learners should be given as much information as possible to allow them to make informed decisions about whether they will be able to meet inherent course requirements.

Adjustments must:

- be discussed with and agreed to by the learner with disability
- benefit the learner with disability
- maintain the integrity of the competency standards
- be a reasonable expectation in a workplace or training and assessment environment.

Adjustments are not required if they could:

- cause the RTO unjustifiable hardship
- harm other learners.

Making reasonable adjustments requires the RTO to balance the need for change with the expense or effort involved in making this change. If an adjustment requires a disproportionately high expenditure or disruption, it is not likely to be reasonable.

- Reasonable adjustments can encompass a range of areas including the physical environment, teaching delivery and format, utilisation of assistance equipment and reduction of study load. Examples of reasonable adjustments that can assist learners with disability to participate fully in training and assessment include:
 - accessible classrooms
 - changes to class scheduling
 - note-taking or interpreting support
 - modification to presentation mediums and techniques or teaching practices
 - course materials, information and learning tasks in alternative formats
 - alternative assessment formats, timeframes or tasks
 - availability of assistive technologies or specialised equipment
 - allowing a carer or support person to be present in the learning environment.

Additional resources

The following resources can provide further information about different types of disability, as well as additional guidance and support for meeting the needs of learners with disability:

- the Australian Disability Clearinghouse on Education and Training (ADCET)
- the Australian Human Rights Commission
- National Disability Coordination Officers.

RTO support services, access and equity or disability departments can also provide guidance on supporting and including learners with disability. An overview of some specific types of disability, their possible impacts, and teaching and assessment strategies to assist learners with these impacts, can be found at: <https://www.adcet.edu.au/inclusive-teaching/specific-disabilities/>.

Foundation skills

Foundation skills are the non-technical skills that support an individual's participation in the workplace, in the community and in education and training. They describe the language, literacy, numeracy (LLN) and employment skills that are essential to performance and are explicitly identified in the foundation skills field of a unit of competency, which:

- identifies the essential foundation skills that are not explicit in the performance criteria of the unit
- describes the application of each skill in context of the performance criteria
- should be considered as an integrated part of the unit for assessment purposes.

The language, literacy and numeracy skills are represented by the five core skills set out in the Australian Core Skills Framework (ACSF): Learning, reading, writing, oral communication and numeracy.

The employment skills are described using:

- the skills set out in the employability skills framework: Teamwork, Initiative and enterprise, Planning and organising, Problem solving, Self-management, and Technology.

Key features of the ACSF

The ACSF describes each of the five core skills across three interactive dimensions as outlined in the table below:

1. Five levels of performance ranging from 1 (low level performance) to 5 (high level performance)
2. Four performance variables that may influence a person's performance at any time:
 - The nature and degree of support available
 - Familiarity with context
 - Text complexity, and
 - Task complexity.
3. Three Domains of Communication, broad contexts within which the core skill may be used:
 - Personal and community (related to expressing personal identity and achieving personal goals, and understanding and interacting within the wider community),
 - Workplace and employment (refers to activities that an individual may be involved in as a member of an organisation or that may be conducted by someone working alone), and
 - Education and training (refers to any form of structured learning).

Support	Context	Text complexity	Task complexity
Works alongside an expert/mentor where prompting and advice can be provided	Highly familiar contexts Concrete and immediate Very restricted range of contexts	Short and simple Highly explicit purpose Limited, highly familiar vocabulary	Concrete tasks of 1 or 2 steps Processes include locating, recognising
May work with an expert/mentor where support is available if requested	Familiar and predictable contexts Limited range of contexts	Simple familiar texts with clear purpose Familiar vocabulary	Explicit tasks involving a limited number of familiar steps Processes include identifying, simple interpreting, simple sequencing
Works independently and uses own familiar support resources	Range of familiar contexts Some less familiar contexts Some specialisation in familiar/known contexts	Routine texts May include some unfamiliar elements, embedded information and abstraction Includes some specialised vocabulary	Tasks involving several steps Processes include sequencing, integrating, interpreting, simple extrapolating, simple inferencing, simple abstracting
Works independently and initiates and uses support from a range of established resources	Range of contexts, including some that are unfamiliar and/or unpredictable Some specialisation in less familiar/known contexts	Complex tasks Embedded information Includes specialised vocabulary Includes abstraction and symbolism	Complex task organisation and analysis involving application of a number of steps Processes include extracting, extrapolating, inferencing, reflecting, abstracting
Autonomous learner who accesses and evaluates support from a broad range of sources	Broad range of contexts Adaptability within and across contexts Specialisation in one or more contexts	Highly complex texts Highly embedded information Includes highly specialized language and symbolism	Sophisticated task conceptualisation, organisation and analysis Processes include synthesising, critically reflecting, evaluating, recommending

For more information on the ACSF, go to: [The Australian Core Skills Website](https://www.acsf.edu.au/)

Health and safety implications in the industry

Work health and safety (WHS) requirements are covered either by:

- embedding requirements in the elements/performance criteria of units of competency
- including specific WHS units in qualifications.

In jurisdictions where model *WHS* laws have not been implemented, RTOs are advised to contextualise units of competency by referring to the existing WHS legislative requirements.

Resource and equipment requirements

RTOs must make sure that all resources and equipment required to train and assess units of competency are available.

Details of specific resources, including equipment and materials essential for assessment, are listed in the Assessment conditions sections of the assessment requirements for each unit of competency.

Legal considerations for learners in the workplace/on placements

Legal requirements that apply to specific industries and VET vary across each state and territory and can regularly change. Contact the relevant state or territory department/s to check what legal requirements apply.

Other information relevant to implementing the training package

Requirements for assessors and industry experts

In collaboration, AUSMASA and BuildSkills Australia are updating the Assessor Requirements on a case-by-case basis in RII training products.

Assessor requirements in these units of competency are being updated to accurately reflect the requirements of the Standards for Registered Training Organisations 2025. All assessors (including industry experts involved in assessment) must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

In addition to these requirements in applicable vocational education and training legislation, frameworks and/or standards; assessors and industry experts in identified RII units of competency must also have a minimum number of years industry experience, directly relevant to the training and assessment being provided. This requirement applies to both assessors and industry experts, irrespective of whether they will be providing training, *or* assessment, *or* training *and* assessment. These requirements ensure assessors and industry experts have a depth of experience and exposure to a range of operating conditions *before* delivering training and/or assessment. The intention is to ensure learner safety, industry confidence and robust training and assessment outcomes.

Given the highly technical nature and strict regulatory and licencing requirements of the Resources and Infrastructure Industry, any persons that are wholly or partially conduct assessment, independently or together with another assessor, or are involved in an assessment judgement, is considered an Assessor. This includes those referred to as industry experts involved in assessment, regardless of the engagement/employment arrangements.

For further information on 2025 Standards for RTOs visit [2025 Standards for RTOs | Australian Skills Quality Authority \(ASQA\)](#)

Training and assessment in simulated environments

Units of competency in the *RII Resources and Infrastructure Industry Training Package* may be delivered and assessed in the workplace or in a simulated workplace environment.

To maintain the integrity of training and assessment RTOs, trainers and assessors need to keep pace with industry technologies and ensure that learning activities and assessments accurately reflect workplace activities and conditions. RTOs will need regular contact with industry to ensure the currency and validity of all activities conducted in simulated environments.

All assessors must consider relevant care and due diligence when assessing units of competency.

Workplace simulation criteria

In conducting training and assessment in a simulated workplace environment, trainers and assessors must make sure that the simulated environment gives the learner the opportunity to meet the following critical criteria:

- 1 **Quality** – The work is of the standard required in the industry.
- 2 **Productivity** – The work is performed within a timeframe appropriate in the industry.
- 3 **Safety** – The work is performed in a manner that meets industry safety standards.

Where simulations meet these criteria, RTOs can be confident that learners are ‘work ready’ on successful completion of units of competency.

Simulations should provide opportunities for integrated assessment of competence that include:

- performing the task (task skills)
- managing a number of tasks (task management skills)
- dealing with workplace irregularities such as unexpected problems, breakdowns and changes in routine (contingency management skills)
- fulfilling the responsibilities and expectations of the job and workplace, including working with others (job/role environment skills)
- transferring competency to new contexts.

To further enhance the validity of assessment processes using simulation, the assessor should consider:

- assessments covering a range of interconnected units of competency
- use of assessment checklists to ensure that all performance evidence and knowledge evidence requirements have been met
- use of self-assessment, peer assessment and debriefing activities
- use of authentic workplace documentation.

Assessment activities must be realistic and reasonable in terms of scale.

Australian apprenticeships

Apprenticeships and traineeships are legally binding training arrangements between an employer and an employee that combine training with paid employment.

Apprenticeships and traineeships are established and administered by *State or Territory Training Authorities (STAs)*. STAs are the government departments in each state or territory responsible for the operation of the VET system (including Australian Apprenticeships).

The Australian Apprenticeships website offers information about apprenticeships and traineeships, and includes links to the websites for STAs. Visit www.australianapprenticeships.gov.au for more information.

The following *RII Resources and Infrastructure (mining) Industry Training Package* qualifications are suitable as an Australian traineeship or apprenticeship pathway:

- RII20220 Certificate II in Surface Extraction Operations
- RII20320 Certificate II in Underground Coal Mining
- RII20420 Certificate II in Underground Metalliferous Mining
- RII20520 Certificate II in Resource Processing

- RII20920 Certificate II in Drilling Operations
- RII21120 Certificate II in Oil & Gas Drilling (Onshore) and Well Servicing
- RII31820 Certificate III in Drilling Operations
- RII32026 Certificate III in Drilling Oil/Gas (Onshore)
- RII32220 Certificate III in Well Servicing Operations
- RII40126 Certificate IV in Surface Extraction Operations
- RII40920 Certificate IV in Drilling Operations.

VET for secondary school students

VET programs enable school students to acquire workplace skills and knowledge while still at secondary school.

Successful achievement of a VET program provides a school student with a nationally recognised AQF qualification, usually as part of a senior secondary certificate.

VET programs are packaged and delivered in various ways across Australia. The three main delivery arrangements used are:

- schools hold RTO status
- school sectoral bodies (such as Boards of Studies or regional offices) hold RTO status on behalf of a group of schools
- schools work together in partnership with RTOs.

In some state and territory school systems, school students who work part-time in an appropriate workplace may use this to fulfil work placement requirements. Virtual or simulated work placements may also be legitimate.

No qualifications from the *RII Resources and Infrastructure Industry Training Package* are suitable for delivery to secondary school students.

RTOs are advised to check requirements with the relevant authorities in their State or Territory.

Training and assessment issues for the school sector

Implementation of the *RII Resources and Infrastructure Training Package* within the school sector, while encouraged, needs to ensure:

- the currency of skills and knowledge of those who train and assess school students – particularly as expressed in the Standards for RTOs
- access to current industry equipment, facilities and training resources so that students acquire a realistic view of workplace realities and conditions
- comprehensive coverage of foundation skills, performance and knowledge as outlined in the unit of competency and assessment requirements for each unit of competency
- current and realistic learning and assessment experiences.

Cross-sector skills

Cross-sector units of competency are considered for inclusion within RII qualifications, however due to the specific technical nature of the Resources and Infrastructure Industry and the strict regulatory and licencing requirements, cross-sector units of competency are often not suitable for use in the Training Package.

Contacts and Links

Companion volumes/ training package information

Companion Volume Implementation Guides can be found on the TGA website:

<http://www.training.gov.au/>

Training Package developer's quality assurance process for companion volumes

All training packages must be designed and developed to comply with the [Training Package Organising Framework](#) and accompanying policies, as approved by Commonwealth and State/Territory ministers.

More information about training package standards and policies is available on the Department of Employment and Workplace Relations website: [Department of Employment and Workplace Relations](#)

Training packages are developed to meet the training needs of specific industries and sectors. They differ from other education and training courses in that they must be created with industry involvement and extensive national consultation. They are regularly reviewed as required and updated to ensure they remain current and fit for purpose.

Department of Employment and Workplace Relations: <https://www.dewr.gov.au/>

General

Australian Qualifications Framework: Second edition, January 2013 <http://www.aqf.edu.au/>

Australian Skills Quality Authority (ASQA) <http://www.asqa.gov.au>

TGA website, training packages <http://www.training.gov.au/>

Training Accreditation Council (Western Australia) <http://www.tac.wa.gov.au>

Victorian Registration and Qualifications Authority (VRQA) <http://www.vrqa.vic.gov.au/>

State and Territory Training Authorities

Australian Capital Territory <https://www.education.act.gov.au/>

New South Wales
<http://www.dec.nsw.gov.au/>

Northern Territory [https://education.nt.gov.au /](https://education.nt.gov.au/)

Queensland <http://training.qld.gov.au/>

South Australia <http://www.statedevelopment.sa.gov.au/>

Tasmania <http://www.skills.tas.gov.au/>

Victoria <http://www.education.vic.gov.au/>

Western Australia <http://www.dtwd.wa.gov.au>

Version Control

Version number	Release date	Comments
Version 11.0	May 2026	This training package release includes changes to the qualifications, units of competency and skill sets noted below: Major Changes <u>Qualifications</u> RII30726 Certificate III in Emergency Response and Rescue RII30826 Certificate III in Civil Construction (Plant Operations) RII30926 Certificate III in Civil Construction RII41326 Certificate IV in Emergency Response Coordination <u>Units of Competency</u> RIIBEF201 Plan and organise work RIICCM202 Identify, locate and protect underground services RIICCM206 Support plant operations RIICCM208 Carry out basic levelling RIICCM209 Carry out concrete work RIICCM210 Install trench support RIICTC307 Conduct tunnel boring machine operations RIICWD503 Prepare traffic management plans and traffic guidance schemes RIIHAN308 Load and unload plant RIIERR201 Conduct fire team operations RIIERR305 Control underground fires RIIERR307 Extricate casualties from underground incidents RIIERR308 Extricate and transport people involved in incidents RIIMPO317 Conduct roller operations RIIMPO318 Conduct civil constructions skid steer loader operations RIIMPO319 Conduct civil construction backhoe/loader operations RIIMPO320 Conduct civil construction excavator operations RIIMPO321 Conduct civil construction wheeled front end loader operations RIIMPO322 Conduct civil construction tracked front end loader operations RIIMPO323 Conduct civil construction dozer operations RIIMPO324 Conduct civil construction grader operations RIIMPO325 Conduct civil construction scraper operations RIIMPO337 Conduct articulated haul truck operations RIIMPO338 Conduct rigid haul truck operations RIIRIS301 Apply risk management processes RIIWHS202 Enter and work in confined spaces RIIWHS204 Work safely at heights RIIWHS302 Implement traffic management plans Developed RIIERR312 Respond to incidents involving energy storage systems

Version number	Release date	Comments
		Minor Changes <u>Qualifications</u> RII20120 Certificate II in Resource and Infrastructure Work Preparation RII20320 Certificate II in Underground Coal Mining RII20520 Certificate II in Resource Processing RII40120 Certificate IV in Surface Extraction Operations RII40426 Certification IV in Underground Coal Operations RII40520 Certificate IV in Resource Processing RII40720 Certificate IV in Civil Construction <u>Skill Sets</u> RIISS00029 Leading Hand – Coal Mining Skill Set RIISS00051 Supervision of Diverse Work Teams Skill Set RIISS00133 Underground Mine Safety Skill Set RIISS00134 Surface Mine Safety Skill Set <u>Units of Competency</u> RIIERR301E Respond to work site incidents RIIERR302E Respond to local emergencies and incidents RIIERR404D Apply and monitor underground metalliferous mine emergency preparedness and response systems RIIERR601E Establish and maintain mine emergency preparedness and response systems
Version 10.0	January 2026	This Training Package release includes the qualifications, units of competency and skill sets noted below: Major Changes update to 8 qualifications to replace superseded core and elective units of competency: RII32026 Certificate III in Drilling Oil & Gas (Onshore) RII32226 Certificate III in Well Servicing Operations RII40226 Certificate IV in Surface Coal Mining (Open Cut Examiner) RII40426 Certificate IV in Underground Coal Operations RII41126 Certificate IV in Drilling Oil & Gas (Onshore) RII41226 Certificate IV in Well Servicing Operations RII50326 Diploma of Minerals Processing RII60726 Advanced Diploma of Surface Coal Mining Management Minor Changes updates to 22 qualifications to replace superseded elective units of competency: RII20220 Certificate II in Surface Extraction Operations RII20420 Certificate II in Underground Metalliferous Mining RII20520 Certificate II in Resource Processing RII20620 Certificate II in Mining/Field Exploration RII20920 Certificate II in Drilling Operations RII21120 Certificate II in Oil & Gas Drilling (Onshore) and Well Servicing RII30220 Certificate III in Underground Coal Operations RII30320 Certificate III in Underground Metalliferous Mining RII30120 Certificate III in Surface Extraction Operations

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		RII30420 Certificate III in Resource Processing RII30520 Certificate III in Mining Exploration RII31820 Certificate III in Drilling Operations RII40320 Certificate IV in Underground Metalliferous Mining Operations RII40520 Certificate IV in Resource Processing RII40920 Certificate IV in Drilling Operations RII50120 Diploma of Surface Operations Management (Release 2) RII50820 Diploma of Drilling Oil & Gas (Onshore) RII50920 Diploma of Underground Coal Mining Management RII51020 Diploma of Well Servicing Operations RII60320 Advanced Diploma of Underground Coal Mining Management RII60415 Advanced Diploma of Drilling Management Deleted Training Products The following skill sets have been deleted: RIISS00035 Underground Shotfiring - Coal Skill Set The following units of competency have been deleted: RIIMCU201D Operate power tram RIIMCU202D Conduct tracked vehicle/plant operations RIIMCU207D Install, maintain and recover electrical services RIIMCU211D Install and maintain explosion barriers RIIMCU213E Conduct feeder breaker operations RIIMCU215D Operate longwall ancillary equipment RIIMCU216D Maintain lamp cabin operations RIIMCU309E Operate breaker line supports RIIMCU310E Conduct flexible conveyor train (FCT) operations RIIMCU401E Conduct special roadway operations RIIPEO202E Provide deck support for conveyor-car high wall mining operations RIIPEO208E Extend, retract and maintain conveyor componentry RIIPEO301E Conduct conveyor-car high wall mining operations RIISAM315A Manage tyre, wheel and rim assembly applications RIISAM403E Commission/recommission plant RIIRAI608D Establish quarry development RIISAM303E Shutdown dredge for operator maintenance
Version 9.0	September 2022	AISC endorsement of the following RII components This Training Package release includes the qualifications, units of competency and skill set noted below. 2 newly created qualifications: RII21222 Certificate II in Autonomous Workplace Operations ● RII41522 Certificate IV in Autonomous Control and Remote Operations 19 newly created units of competency: RIIARO201 Work in autonomous operations RIIARO202 Use data and technology to complete work in autonomous operations RIIARO308 Use data in an autonomous workplace

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		RIIARO402 Optimise performance of complex control systems in autonomous operations RIIARO403 Maintain continuity of operational control RIIARO404 Improve outcomes within a distributed value chain network RIIARO405 Optimise automated drilling operations RIIARO406 Optimise automated haulage operations RIIARO407 Optimise automated fixed plant operations RIIARO408 Optimise automated wet processing plant operations RIIARO409 Optimise automated in-loading and out-loading operations RIIARO410 Control safety risks in autonomous operations RIIARO411 Manage situational awareness RIIBEF403 Collaborate to achieve quality outcomes RIIBEF404 Undertake informed and dynamic decision making RIIBEF405 Optimise personal performance RIICOM202 Contribute to effectiveness of communication and teamwork in an autonomous workplace RIICOM401 Communicate effectively in a remote work environment RIIWHS208 Operate within an autonomous workplace functional safety system 1 newly created skill set: RIISS00075 Work with Data in an Autonomous Workplace Skill Set SSO upgrade for the following RII components. Qualifications 1 qualification was updated: RII41319 Certificate IV in Emergency Response Coordination Units of competency 8 units of competency were updated: RIIARO301 Work safely in autonomous environment RIIARO303 Operate equipment in autonomous environment RIIARO304 Coordinate and interact with autonomous systems RIIARO306 Respond to obstructions to autonomous operations RIIARO307 Active and deactivate autonomous systems RIIARO401 Supervise autonomous operations RIICBS302E Conduct paver screeding operations RIILAT402E Provide leadership in the supervision of diverse work teams Skill Sets 8 skill sets were updated: RIISS00058 Traffic controller skills set for urban streets and low volume rural roads RIISS00059 Traffic controller skill set for high volume roads RIISS00060 Traffic management implementer skill set for urban streets and low volume rural roads RIISS00061 Traffic management implementer skill set for high volume roads

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		RIISS00062 Traffic management implementer skill set for motorways and freeways RIISS00063 Traffic management designer skill set for urban streets and low volume rural roads RIISS00064 Traffic management designer skill set for high volume roads RIISS00065 Traffic management designer skill set for motorways and freeways
Version 8.0	January 2021	AISC endorsement of the following RII components This Training Package release includes updates to a number of qualifications, units of competency and skill sets as noted below. Qualifications One newly created qualification: RII41421 Certificate IV in Civil Infrastructure Asset Management One revised qualification with minor changes only: RII50420 Diploma of Civil Construction Management Units of competency 12 newly created units of competency: RIICAM401 Conduct a condition assessment of road pavements RIICAM402 Conduct a condition assessment of roadside infrastructure RIICAM403 Conduct a condition assessment of stormwater drainage RIICAM404 Conduct a condition assessment of civil structures RIICAM405 Conduct a condition assessment of civil foundations RIICAM406 Conduct a condition assessment of water and sewerage mains RIICAM407 Conduct a condition assessment of underground services RIICAM408 Conduct a condition assessment of open spaces RIICAM409 Manage civil infrastructure datasets RIICAM410 Maintain asset inventories RIICAM501 Analyse and interpret civil infrastructure asset datasets RIICAM502 Make decisions using civil infrastructure asset data Skill sets Nine newly created skill sets: RIISS00066 Civil Infrastructure Asset Management - Road Pavements Skill Set RIISS00067 Civil Infrastructure Asset Management - Roadside Infrastructure Skill Set RIISS00068 Civil Infrastructure Asset Management - Stormwater Drainage Skill Set RIISS00069 Civil Infrastructure Asset Management - Civil Structures Skill Set RIISS00070 Civil Infrastructure Asset Management - Civil Foundations Skill Set RIISS00071 Civil Infrastructure Asset Management - Water and Sewerage Mains Skill Set RIISS00072 Civil Infrastructure Asset Management - Underground Services Skill Set RIISS00073 Civil Infrastructure Asset Management - Open Spaces Skill Set

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		RIISS00074 Civil Infrastructure Asset Management - Analyse Data for Asset Management Decision Making Skill Set 31 skill sets updated to replace superseded units of competency with current versions: RIISS00018 Concrete Paving - Automated Paving Guidance System (APGS) Technician Skill Set RIISS00019 Concrete Paving - Finisher Skill Set RIISS00020 Concrete Paving - General Hand Skill Set RIISS00021 Concrete Paving - Hand Texturing and Curing Skill Set RIISS00022 Concrete Paving - Joint Sealer Skill Set RIISS00023 Concrete Paving - Machine Operator Skill Set RIISS00024 Concrete Paving - Saw Cutter Skill Set RIISS00025 Concrete Paving - Spotter Recorder Skill Set RIISS00026 Concrete Paving - Stringliner Skill Set RIISS00027 Concrete Paving - Texture Machine Operator Skill Set RIISS00028 Concrete Paving - Tie Bar Inserter Skill Set RIISS00029 Leading Hand - Coal Mining Skill Set RIISS00031 Mine Surveying Skill Set RIISS00032 Site Health and Safety Coordinator Skill Set RIISS00033 Underground Coal Mine Safety Skill Set RIISS00034 Surface Coal Mine Safety Skill Set RIISS00035 Underground Shotfiring - Coal Skill Set RIISS00036 Underground Shotfiring - Metalliferous Skill Set RIISS00038 Oil and Gas (Off Shore) Rouseabout Skill Set RIISS00042 Work Zone Traffic Control - Road Labourer Skill Set RIISS00043 Work Zone Traffic Control - Supervisor Skill Set RIISS00046 Leading Hand Skill Set RIISS00047 Stabiliser Support Staff Skill Set RIISS00048 Operator of Stabiliser Skill Set RIISS00049 Operator of Spreader Skill Set RIISS00050 Operator of Stabiliser (using foam bitumen) Skill Set RIISS00051 Supervision of Diverse Work Teams Skill Set RIISS00052 Surface Shotfiring Skill Set RIISS00054 Traffic Controller Skill Set RIISS00055 Traffic Management Implementer Skill Set RIISS00056 Traffic Management Designer Skill Set SSO (Skills Service Organisation) upgrade of the following components. Qualifications Minor updates were made to the following qualification from the RII Resources and Infrastructure Industry Training Package Version 7.1: RII1820 Certificate III in Drilling Operations Units of competency Minor updates were made to the following four units of competency from the RII Resources Infrastructure Industry Training Package Version 7.1: RIIVEH303F Drive heavy combination vehicle RIICPL401E Supervise the installation of underground services using open excavation RIIVEH306E Operate a mine service vehicle

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		RIIVEH307F Operate a heavy rigid vehicle
Version 7.1	September 2021	Minor upgrade
Version 7.0	March 2021	AISC endorsement
Version 6.0	November 2020	AISC endorsement
Version 5.0	September 2020	AISC endorsement
Version 4.2	June 2020	Minor upgrade
Version 4.1	March 2020	Minor upgrade
Version 4.0	December 2019	AISC endorsement
Version 3.0	December 2018	AISC endorsement
Version 2.0	December 2015	AISC endorsement
Version 1.4	December 2014	Minor upgrade
Version 1.3	April 2014	Minor upgrade
Version 1.2	March 2014	Minor upgrade
Version 1.1	January 2014	Minor upgrade
Version 1.0	November 2013	AISC endorsement