



Australian Government

RIIUND201D Install, maintain and recover reticulation systems

Release: 2

RIIUND201D Install, maintain and recover reticulation systems

Modification History

Release	Comment
1	This unit replaces RIIUND201A Install, maintain and recover reticulation systems
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.

Application

This unit describes a participant's skills and knowledge required to install, maintain and recover reticulation systems in Coal and Metalliferous mining.

This unit is appropriate for those working in operational roles.

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

Unit Sector

Coal mining

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for installation of reticulation system	1.1 Access, interpret and apply documentation and procedures for installing, maintaining and recovering reticulation systems and ensure the work activity is compliant 1.2 Obtain, interpret and clarify work requirements before proceeding 1.3 Access and apply safety information and procedures throughout the work 1.4 Inspect and assess site conditions to determine if scaling is required and take action 1.5 Select and prepare required materials 1.6 Communicate and coordinate work activities with other
---	--

	personnel prior and during operation 1.7 Identify, address and report potential hazards, risks and environmental issues 1.8 Adhere to emergency procedures 1.9 Use approved dust suppression and extraction methods 1.10 Ensure area is well ventilated before entry into work area
2. Install and recover service pipes	2.1 Install service pipe support systems 2.2 Carry out isolation, tagging and re-energising procedures 2.3 Install and stabilise service pipes 2.4 Inspect and test installation to ensure functionality, safety and compliance 2.5 Connect/recover supply to service pipes
3. Carry out ongoing maintenance	3.1 Inspect and assess site conditions to determine if cable support systems are required and take action 3.2 Report verbally or in writing on maintenance requirements 3.3 Clean and store equipment

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIUND201A Install, maintain and recover reticulation systems

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIIUND201D Install, maintain and recover reticulation systems

Modification History

Release	Comment
1	This unit replaces RIIUND201A Install, maintain and recover reticulation systems
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.

Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of installation, maintenance and recovery of reticulation systems including:
 - inspecting and assessing site conditions
 - identifying, addressing and reporting risks, hazards and environmental issues
- demonstrates completion of the installation, maintenance and recovery of reticulation systems that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - selecting and preparing materials for the task
 - using approved dust suppression and extraction methods
 - determining if cable support systems are required
 - completing installation and recovery of service pipes operations
 - maintaining, cleaning and storing equipment

Knowledge Evidence

The candidate must demonstrate knowledge in installing, maintaining and recovering reticulation systems through:

- work health and safety
- installing, maintaining and recovering equipment and materials

- identifying defects and damage
- air/water systems
- mine operating
- environmental safety
- site and underground operations
- start-up and shutdown activities

Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive	3-6	3 Years

(Quarrying)		
Metalliferous Mining and Civil Construction	3-6	5 Years
Other sectors	Where this Unit is being assessed outside of the Resources and Infrastructure Sectors assessor and/or Industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no Industry standard is specified should comply with any relevant regulation.	

*Assessors can demonstrate current work experience through employment within Industry in a role relevant to the outcomes of the Unit; or, for external assessors this can be demonstrated through exposure to Industry by conducting frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

Links

Companion Volume implementation guides are found in VETNet -

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