



Australian Government

Assessment Requirements for RIIRAI401D Apply and monitor mine services and infrastructure systems

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIRAI401A Apply and monitor mine services and infrastructure 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 legislation, documentation, policies and procedures
- implements appropriate procedures and techniques for the safe, effective and efficient applying and monitoring of site services and infrastructure systems including:
 - providing team leadership
 - determining appropriate operational techniques
 - developing and administering work plans
 - applying hazard and risk management controls
 - work planning and coordination
 - identify training needs and implementing training plans
 - implementing systems maintenance and modifications
- works effectively with others to plan, prepare and apply the site services and infrastructure systems including:
 - providing clear and timely instruction and supervision using a range of communication techniques to those involved
 - preparing for and conducting briefings, toolbox and site meetings
 - maintaining clear and legible written records and the reporting systems
 - consulting with stakeholders

- demonstrates completion of applying and monitoring of site services and infrastructure systems that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
- identifying the different site service systems including a minimum of six (6) of the following:
 - water
 - wastewater
 - compressed air
 - fire fighting
 - fuel/oil
 - electrical
 - waste disposal
 - site monitoring systems
 - sanitation
 - communication systems
 - identifying all of the functions and infrastructure related to the site service systems
 - evidence of the consistent successful development of implementation action plans
 - participating and contributing to audit and review process

Knowledge Evidence

The candidate must demonstrate knowledge in applying and monitoring mine services and infrastructure systems through:

- technical information
- records and reports/briefings and handover details
- manufacturer's instructions
- operations, services, fixed plant and infrastructure systems and equipment management procedures
- safety design features of site services and infrastructure systems
- computer based systems
- training systems
- safety design features for maintenance of site services and infrastructure systems
- maintenance and modification systems
- stores systems
- roadway maintenance and drilling
- protection systems
- reticulation systems
- specifications for site services and infrastructure
- identifying and clearly communicating key issues

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 must be assessed in the context of this sector's work environment; 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 (Quarrying)	3-6	3 Years
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>