Australian Government

Assessment Requirements for RIIRAI501D Implement mine transport systems and production equipment

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIIRAI501B Implement mine transport systems and production equipment
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 procedures and techniques for the safe, effective and efficient implementing of mine transport systems and production equipment including:
  - providing team leadership
  - identifying and addressing training needs
  - implementing hazard identification and risks assessment processes
  - managing work planning and coordination activities
  - accessing, interpreting and applying manufacturer's instructions
  - implementing maintenance and modification surveys and audits
  - applying the transport systems and production equipment management procedures
- works effectively with others to undertake and complete the implementation of mine transport systems and production equipment including:
  - managing people and processes
  - resolving conflict
  - coordinating human, financial and physical resources
  - developing, initiating and administering work plans
  - interpret and apply operational performance data engaging
  - engaging internal and external stakeholders

- demonstrates completion of implementing of mine transport systems and production equipment that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
  - accessing, interpreting and applying safety design features for maintenance of production and transport equipment
  - accessing, interpreting and applying specification design criteria including:
    - access
    - noise
    - dust
    - lighting
    - ergonomics
    - remote control
    - physical clearance
    - confined space
    - visibility
    - seating vibration
    - machine equipment and personal protection
    - identification of the relevant information and scope of the work
    - identifying the full range of specification requirements
    - identifying all aspects of the transport system
    - identifying the full range of production equipment
    - managing the commission of the equipment and systems

Knowledge Evidence

The candidate must demonstrate knowledge in implementing mine transport systems and production equipment through:

- legislative, organisation and site requirements and procedures for;
  - providing information/briefings and handover details
  - assessment of geological structures
  - managing energy sources including electrical, hydraulic, pneumatic, diesel
  - audit review
  - site document control
  - production and transport systems and equipment management
  - site environmental monitoring
  - risk management
  - production and transport systems and equipment statutory inspection
  - site transport systems design and functionality
  - site reporting
  - emergency response and evacuation planning
  - complying with transport rules

- no-go zones for mobile equipment
- maintenance schemes
- SOPs training
- statutory testing on diesel vehicles
- battery charging
- underground fuel depots
- conveyor belts

- operating procedures relating to production and transport equipment
- site operation procedures
- site plans
- site design relating to production and transport systems and equipment
- maintenance and modification systems
- production and transport equipment and systems; the types, uses, characteristics and limitations appropriate for safe operation at the site including braking systems
- safety design features of production and transport systems including traffic control devices
- safe operating procedures relating to production and transport equipment
- stores systems
- procedures that apply to the system
- raining plan
- computer based systems for production and transport systems
- firefighting systems and precaution rules

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