



**Australian Government**

# **RIIMCO302D Conduct surface miner operations**

**Release: 2**

## RIIMCO302D Conduct surface miner operations

### Modification History

| Release | Comment                                                                                                                                                                                                                                                                                                      |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | This unit replaces RIIMCO302A Conduct surface miner operations                                                                                                                                                                                                                                               |
| 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 conduct surface miner operations in Coal Mining (Open Cut).

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 (Open Cut)

### Elements and Performance Criteria

|                                                         |                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Plan and prepare to conduct surface miner operations | <p>1.1. Access, interpret and apply documentation and procedures to conduct surface miner operations, and ensure the work activity is compliant</p> <p>1.2. Conduct pre-start checks in accordance with safety requirements</p> <p>1.3. Access, interpret and apply geological and survey data</p>                                   |
| 2. Operate surface miner                                | <p>2.1. Carry out start-up, park, shutdown, and secure equipment procedures</p> <p>2.2. Coordinate activities with others at the site prior to commencement of, and during the work activity</p> <p>2.3. Conduct, control and monitor mining procedures, milling, loading and manoeuvring within the operating capacities of the</p> |

|                                   |                                                                                                                                                                                                                                                                                                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                   | <p>equipment</p> <p>2.4. Select required loading method and position equipment and haulage units to meet this requirement</p> <p>2.5. Act on monitoring systems and report on alarms</p> <p>2.6. Recognise and respond to hazardous and emergency situations</p> <p>2.7. Complete work plan</p> |
| 3. Carry out operator maintenance | <p>3.1. Prepare machine for maintenance</p> <p>3.2. Carry out routine and scheduled maintenance tasks</p> <p>3.3. Clear worksite of tools, debris and defective components and restore to site and safety requirements</p> <p>3.4. Process written and verbal maintenance records</p>           |

## 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

RIIMCO302A Conduct surface miner operations

## 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 RIIMCO302D Conduct surface miner operations

### Modification History

| Release | Comment                                                                                                                                                                                                                                                                                                      |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | This unit replaces RIIMCO302A Conduct surface miner operations                                                                                                                                                                                                                                               |
| 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 applicable legislation, documentation, policies and procedures for conducting surface miner operations
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of surface miner operations including:
  - applying hand-eye coordination
  - interpreting and applying geological and survey data
- works with others to undertake and complete the surface miner operations in a way that meets all of the required outcomes by:
  - communicating clearly with others to receive and clarify work instructions and coordinating work activity
- demonstrates completion of conducting surface miner operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
  - conducting pre-start checks, start-up, park, shutdown and secure equipment procedures
  - conducting, controlling and monitoring mining procedures, milling, loading and manoeuvring
  - selecting the required loading method and positioning of haulage units for mining coal and roadworks
  - driving, operating and relocating the surface miner
  - maintaining written maintenance and equipment records

## Knowledge Evidence

The candidate must demonstrate knowledge of conducting surface miner operations through:

- accessing, interpreting and applying the organization and site requirements for:
  - applying diagnostic techniques
  - identifying environmental constraints in surface miner operations
  - disposing of environmentally sensitive fluids and materials
  - applying basic geological and survey data
  - identifying hazards and following response procedures
- identifying surface miner characteristics, technical capabilities and limitations including:
  - identifying loading methods and haulage units
  - identifying operational procedures required for mining coal, and roadworks

## 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 | 1           | 1 Year                                                         |

|                                                       |                                                                                                                                                                                                                                                                                                                                |         |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Mining, Extractive (Quarrying) and Civil Construction | 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>