



Australian Government

RIIUND303D Operate winder for shaft sinking

Release: 2

RIIUND303D Operate winder for shaft sinking

Modification History

Release	Comment
1	This unit replaces RIIUND303A Operate winder for shaft sinking
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 operate a winder for shaft sinking in 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

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for operating a winder for shaft sinking	1.1 Access, interpret and apply documentation and procedures for operating a winder for shaft sinking and ensure the work activity is compliant 1.2 Receive, interpret and clarify shift changeover details 1.3 Select and wear appropriate personal protective equipment 1.4 Perform equipment and work area pre-start checks 1.5 Check written records for outstanding maintenance/inspections and recorded defects and take action 1.6 Identify, address and report potential risks and hazards 1.7 Carry out start-up procedures, including checking that area is clear for operations
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	1.8 Adhere to emergency procedures 1.9 Apply dust suppression and extraction methods 1.10 Ensure control cabin is environmentally and ergonomically sound
2. Conduct shaft sinking using manual winder	2.1 Communicate with relevant personnel 2.2 Confirm kibble is ready for operation 2.3 Initiate the system, follow start-up procedures and operate winder, complying with directions from the person in charge 2.4 Monitor and manage winder performance using appropriate indicators 2.5 Adjust speed and movement 2.6 Operate winder (or winders) for shaft sinking operations 2.7 Carry out shutdown procedures
3. Carry out winder inspections	3.1 Isolate and prove isolation of equipment 3.2 Inspect winder and auxiliary equipment and report faults/defects 3.3 Prepare winder for routine servicing
4. Conduct end-of-shift	4.1 Complete all required written documentation 4.2 Pass on end of shift information verbally or in writing and hand over control to oncoming shift 4.3 Ensure control room is clean and tidy

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

RIIUND303A Operate winder for shaft sinking

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 RIIUND303D Operate winder for shaft sinking

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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 the requirements, procedures and techniques for the safe, effective and efficient operation of a winder for shaft sinking, including:
 - selecting and using the required tools and equipment
 - conducting equipment and work area pre-start checks
 - identifying, addressing, recording and reporting defects, hazards and risks and environmental issues
 - confirm kibble is ready for operation
- demonstrates completion of operating a winder for shaft sinking that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - completing start-up and shutdown procedures
 - applying dust suppression and extraction methods
 - energising the system
 - adjusting speed and movement
 - monitoring and managing the winder performance using indicators
 - operating the winder/s for shaft sinking operations
 - isolating and inspecting winder
 - confirming, checking and taking action to ensure control cabin is environmentally and ergonomically sound

Knowledge Evidence

The candidate must demonstrate knowledge in operating a winder for shaft sinking through:

- relevant hand tools
- the key areas of mining acts and regulations
- winder type and systems and operations
- shaft configuration and construction
- shaft services and installations (pipes, cables, ladders etc)
- identification of defects relevant to sinking operations through inspection or observation
- trip and fault procedures and abnormal conditions
- communication system between sinking operations and winder
- equipment processes, technical capability and limitations
- isolation and permit-to work systems and procedures
- shaft ventilation systems
- accessing and using in-shaft communications equipment

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

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