



Australian Government

RIIUND207D Conduct underground lifting operations

Release: 2

RIIUND207D Conduct underground lifting operations

Modification History

Release	Comment
1	This unit replaces RIIUND207A Conduct underground lifting 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 underground lifting operations in Coal 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

Elements and Performance Criteria

1. Plan for underground lifting	1.1 Access, interpret and apply documentation and procedures for conducting underground lifting operations and ensure the work activity is compliant 1.2 Obtain, interpret and clarify work requirements in the form of shift briefings, handover details or work orders before proceeding 1.3 Develop a preliminary underground lifting plan or site sketch 1.4 Check and confirm job feasibility and schedule with the client and other relevant persons 1.5 Confirm and check elimination/control measures for hazards associated with the use of cranes and other load moving equipment with appropriate parties 1.6 Finalise and confirm the underground lifting plan, including
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	the scheduling of required resources
2. Prepare for underground lifting	2.1 Identify, select, inspect, assemble and certify underground lifting equipment, materials and tools required 2.2 Label unserviceable equipment, materials and tools in accordance with Mine Managers Rules and Schemes 2.3 Select and prepare appropriate anchors in accordance with the Strata Control Plan
3. Move loads	3.1 Identify and confirm appropriate safe working loads and centre of gravity 3.2 Direct the movement of the load in an underground environment using standard signals for load moving 3.3 Connect lifting gear to load 3.4 Connect load to movement device using appropriate and certified equipment 3.5 Ensure stability of the load by application of load movement procedure, temporary bracing and/or load support 3.6 Follow appropriate specifications during the placement and securing of the load 3.7 Dismantle and remove/restore load shifting 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

RIIUND207A Conduct underground lifting 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 RIIUND207D Conduct underground lifting operations

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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 documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient conducting of underground lifting operations, including:
 - selecting and using the required tools and equipment
 - identify and label unserviceable equipment, materials and tools
- demonstrates completion of the conduction of underground lifting operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - develop a preliminary lifting plan which includes a minimum of five (5) of the following:
 - confirmed details of underground lifting requirement
 - confirmed dimensions
 - site access and egress
 - suitability and availability of materials
 - tools and equipment
 - identification of potential hazards
 - probable control measures
 - identification of site coordination requirements
 - selecting and preparing appropriate anchors
 - identifying and confirming appropriate safe working loads and centre of gravity

- directing the load using appropriate signals
- connecting load to movement device
- applying load movement procedures to ensure stability of the load
- dismantle and remove or restore load shifting equipment

Knowledge Evidence

The candidate must demonstrate knowledge in conducting underground lifting operations through:

- work health and safety
- site and equipment safety
- record maintenance and reporting
- hazard identification
- operational and maintenance activities
- relevant hand tools
- equipment characteristics, technical capabilities and limitations
- using hand signals

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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