



Australian Government

RIIBLA204E Store, handle and transport explosives in underground coal mines

Release: 1

RIIBLA204E Store, handle and transport explosives in underground coal mines

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to store, handle and transport explosives in underground coal mines. It includes segregating explosives and accessories, maintaining stock records and managing explosives storage.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Coal mining (underground)

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare for storage, handling and transport of explosives	1.1 Obtain, interpret, confirm and clarify work instructions 1.2 Access, interpret and apply explosives documentation 1.3 Identify, manage and report potential hazards, risks and environmental issues according to legislative and site requirements 1.4 Select and wear personal protective equipment according to site requirements 1.5 Obtain and interpret emergency procedures and confirm steps required to respond to emergencies 1.6 Identify explosives and accessories according to job requirements

ELEMENT	PERFORMANCE CRITERIA
	1.7 Classify explosives according to statutory criteria 1.8 Apply safe handling procedures and precautions according to legislative and site requirements
2. Access and manage explosives storage	2.1 Gain access to magazine as authorised person according to legislative and site requirements 2.2 Maintain compliance requirements for signage, construction, safety and security of magazines, storage limits according to legislative and site requirements 2.3 Obtain and despatch explosives and record transfers indicating type and identity of recipient 2.4 Segregate explosives and accessories according to type in magazines 2.5 Confirm rotation of explosives in magazine according to site requirements 2.6 Restrict access to store to authorised persons according to legislative requirements 2.7 Maintain stock records and report discrepancies according to legislative and site requirements 2.8 Conduct housekeeping of magazine according to site requirements 2.9 Complete required documentation and reports according to site requirements 2.10 Pass on explosives stock and storage information according to site requirements
3. Prepare to transport explosives	3.1 Obtain orders and confirm authority of recipient to possess explosives 3.2 Select explosives and accessories according to shot plan 3.3 Conduct and record results of pre-start check on explosives transport vehicle and confirm presence and operability of relevant safety equipment 3.4 Carry out vehicle start-up procedures according to manufacturer specifications and site requirements 3.5 Display signs on vehicles according to legislative requirements and confirm sign legibility 3.6 Load vehicle according to separation and segregation requirements 3.7 Identify and prepare emergency procedures according to site requirements
4. Transport explosives	4.1 Communicate explosives movements directions 4.2 Transport explosives and accessories separately in approved and secured containers 4.3 Transport explosives and accessories to designated location using designated route

ELEMENT	PERFORMANCE CRITERIA
	4.4 Apply secure and safe driving conventions 4.5 Check delivery site is suited to explosives storage and that consignment is not left unattended 4.6 Implement emergency procedures to confirm safety of personnel and site 4.7 Return surplus explosives to magazine according to job and site requirements 4.8 Complete documentation and reports according to site requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	• Calculates basic measurements, masses and dimensions
Reading	• Identifies and interprets information from workplace documentation
Self-management	• Monitors and minimises own exposure to worksite risks and hazards during activities

Unit Mapping Information

Supersedes and is equivalent to RIIBLA204D Store, handle and transport explosives in underground coal mines.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIIBLA204E Store, handle and transport explosives in underground coal mines

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- store, handle and transport explosives in underground coal mines on at least two occasions, including:
 - planning and preparing to handle and transport explosives
 - receiving and despatching explosives
 - segregating explosives and accessories
 - completing rotation of explosives in magazine
 - maintaining stock records and report discrepancies
 - selecting explosives and accessories according to shot plan
 - storing; handling and transporting explosives
 - accessing and managing explosives storage
 - implementing required signage.

During the above, the candidate must:

- locate and apply relevant documentation and procedures and confirm work activity is compliant.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- key legislation required to store, handle and transport explosives, including those relating to:
 - dangerous goods requirements
 - storage and segregation of explosives
 - records and reporting requirements

- permitted explosives categories
- key procedures and documentation required to store, handle and transport explosives, including:
 - shot plan
 - site security plan
 - labelling requirements
 - equipment safety requirements
 - work health and safety requirements and procedures
 - emergency procedures
 - site operational systems, procedures and checks
 - Australian standards and codes of practice relating to storage, handling and transport of explosives
 - manufacturer specifications
- types, characteristics technical capabilities and limitations of explosives, accessories and relevant equipment
- principles and techniques for identifying and responding to relevant hazards and emergencies
- basic techniques for communicating job activities with others.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
 - personal protective equipment
 - equipment required to store, handle and transport explosives
- be conducted in a safe environment; and,
- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work environment* provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.

Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- possessing and maintaining a current shotfirer's licence issued by a state/territory regulatory body endorsed for the applicable type of blasting
- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	1	1 year
	2	2 years
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 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.	

*Guidance on simulated environments has been stipulated in the RII implementation guide located on VETNet.

******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 a minimum number of site assessments as determined by the relevant industry sector, across various locations.

******* While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

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