



Australian Government

RIIBLA201D Support shotfiring operations

Release: 2

RIIBLA201D Support shotfiring operations

Modification History

Release	Comment
1	This unit replaces RIIBLA201A Support shotfiring 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 support shot firing operations in Civil construction, Coal mining, Metalliferous mining (Surface), Drilling and Extractive.

This unit is appropriate for those working in operational roles.

No licensing, legislation or certification requirements apply to this unit at the time of publication.

Unit Sector

Civil construction

Coal mining

Drilling

Extractive

Metalliferous mining (Surface)

Elements and Performance Criteria

1 Plan and prepare for supporting shot firing	1.1 Access, interpret and apply blasting documentation and ensure the work activity is compliant 1.2 Obtain, confirm and apply shotfiring requirements, shift briefings, handover details and/or work orders before proceeding 1.3 Access, interpret and apply environmental, geological, survey, and weather conditions data 1.4 Identify, manage and report all potential hazards risks and environmental issues
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	1.5 Select and wear personal protective equipment appropriate to the work activities 1.6 Obtain and interpret emergency procedures and be prepared for fire/accident/emergency 1.7 Resolve coordination requirements with others prior to commencing and during work activities 1.8 Identify and test the explosives and accessories to be used 1.9 Check blast holes
2 Provide support at the blast site	2.1 Prepare and mix explosives 2.2 Pick up, carry and transport explosives and accessories on the shot site 2.3 Assist in securing and isolating blast area 2.4 Prime, load, stem and tie in the explosive 2.5 Carry out site clean-up operations 2.6 Prepare and process reports and/or records of support activities as directed

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

RIIBLA201A Supporting shotfiring 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 RIIBLA201D Support shotfiring 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
- demonstrates completion of supporting shotfiring operations that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - checking blast holes
 - identifying and testing explosives and accessories
 - preparing and mixing explosives
 - handling and transporting explosives and accessories
 - securing and isolating blast area
 - priming, loading, stemming and tying in the explosive
 - site clean-up
 - processing reports and/or records

Knowledge Evidence

The candidate must demonstrate knowledge in supporting shot firing operations:

- blast plan
- site security plan
- types, physical and technical characteristics, uses and limitations of explosives
- site geological and survey data
- site environmental requirements and constraints

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 is best assessed in the context of this sector's work environment;
- where personal safety or environmental damage are limiting factors, assessment may occur in a simulated 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; 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.
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*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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