

RIIBLA301E Conduct surface shotfiring operations

Release: 1

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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 conduct surface shotfiring operations in the resources and infrastructure industries. It includes supervising storage and transport of explosives and accessories, conducting blasts and carrying out post-blast activities.

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

Civil construction

Coal mining (open cut)

Drilling

Extractive

Metalliferous mining (open cut)

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
Plan and prepare to conduct surface shotfiring operations	1.1 Obtain and interpret blast plan 1.2 Access, interpret and apply blast plan and confirm that work activity is compliant
	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

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requirements 1.5 Obtain and interpret emergency procedured to respond to emergencies 1.6 Coordinate vehicle, equipment and possible to respond to emergencies 1.6 Coordinate vehicle, equipment and possible to require the records appropriate personnel according to suppropriate personnel according to suppropriate personnel according to site requirements 1.8 Access, interpret and apply geological according to site requirements 1.9 Carry out calculations required for possible in shots 1.10 Identify and confirm explosives, decording to job requirements 2.1 Confirm explosives, detonators and according to legislative requirements 2.2 Confirm inventory control is maintain requirements 2.3 Confirm explosives and accessories segregate according to legislative recalculations. In the explosives are not left and communicate access repersons and vehicles 3.1 Secure shot area according to blast possible in the explosives and accessories and vehicles. 3.2 Establish and communicate access repersons and vehicles 3.3 Identify hole locations and non-confirming and site requirements. 4. Charge holes 4.1 Prime and charge holes according to 4.2 Confirm blast holes are charged accedientify non-conforming conditions. 4.3 Confirm blast holes are stemmed accedientify non-conforming conditions.	personnel support requirements ng to job requirements and are completed and reported to ite requirements al data and weather conditions eattern design, loading and tying etonators and relevant accessories relevant accessories are stored ned according to site are transported to blast area and
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4.2 Confirm blast holes are charged accidentify non-conforming conditions	loading plan
4.3 Confirm blast holes are stemmed ac	ording to loading plan and
	cording to blast plan
4.4 Complete records according to site i	requirements
5. Conduct blast 5.1 Carry out pre-blasting procedures are according to blast plan	nd establish exclusion zone
5.2 Tie in pattern and check according t	o blast plan
5.3 Evaluate proposed firing time against blast	t notantial factors impacting the
5.4 Carry out firing clearance processes 5.5 Initiate blast	i potential factors impacting the
5.6 Check shot, assess for hazards and r	

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ELEMENT	PERFORMANCE CRITERIA
	according to blast plan
6. Complete post-blast activities	 6.1 Carry out post-blast inspection 6.2 Address misfires according to legislative requirements 6.3 Declare area safe for re-entry according to site requirements 6.4 Carry out post-blast coordination according to site requirements 6.5 Dispose of damaged, deteriorated and surplus explosives and detonators according to manufacturer specifications and site requirements 6.6 Complete reports according to site requirements
7. Carry out equipment maintenance	7.1 Carry out inspection and required maintenance within scope of own role according to manufacturer specifications and site requirements 7.2 Complete maintenance records 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 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 RIIBLA301D Conduct surface shotfiring operations.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272

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