



Australian Government

RIIBLA307D Conduct a blast survey

Release: 2

RIIBLA307D Conduct a blast survey

Modification History

Release	Comment
1	This unit replaces RIIBLA307A Conduct blast survey
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 a blast survey in Civil construction, Coal and Metalliferous mining 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

Extractive

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare	1.1 Access, interpret and apply blast survey documentation and ensure the work activity is compliant 1.2 Identify, manage and report all potential hazards, risks and environmental issues 1.3 Select and wear personal protective equipment appropriate to the work activities 1.4 Obtain and interpret emergency procedures and be prepared for fire/accident/emergency 1.5 Interpret and apply relevant geological data required to complete the allocated task
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	1.6	Receive, interpret and clarify survey parameters
	1.7	Carry out survey equipment checks
2. Operating surveying equipment	2.1	Set up appropriate signage
	2.2	Carry out the set up and start of equipment
	2.3	Survey blast area to task requirements
	2.4	Prepare survey reports, report to appropriate personnel and maintain written records
	2.5	Complete work in accordance with the agreed plans and outcomes and within the operating capacities of the equipment
	2.6	Carry out operations in accordance with quality requirements
	2.7	Diagnose, rectify or report equipment faults to appropriate personnel
3. Carry out basic maintenance	3.1	Carry out inspections and fault finding
	3.2	Carry out routine servicing and housekeeping
	3.3	Carry out minor maintenance
	3.4	Maintain written records

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

RIIBLA307A Conducting a blast survey

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 RIIBLA307D Conduct a blast survey

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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
- works effectively with others to undertake and complete blast survey that meets all of the required outcomes including:
 - complying with written and verbal reporting requirements and procedures
 - communicating clearly and concisely with others to receive and clarify work instructions
 - communicating clearly and concisely with others to resolve coordination requirements prior to commencing and during work activities
- demonstrates completion of conducting blast surveys that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - planning and preparing
 - interpreting geological data
 - clarifying survey parameters
 - completing survey equipment checks
 - setting up signage
 - operating the survey equipment
 - surveying blast area
 - preparing survey reports
 - carrying out basic maintenance

Knowledge Evidence

The candidate must demonstrate knowledge in conducting a blast survey through:

- equipment and characteristics, technical capabilities and limitations
- survey techniques for set up and collection of data
- linear measurement
- angular measurement
- manual and electronic means of conducting survey
- plans and maps

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	1	1 Year

Mining, Extractive (Quarrying) and Civil Construction	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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