



Australian Government

RIIBLA305D Conduct secondary blasting

Release: 2

RIIBLA305D Conduct secondary blasting

Modification History

Release	Comment
1	This unit replaces RIIBLA305A Conduct secondary blasting
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 secondary blasting in the Metalliferous and Coal 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

Metalliferous mining

Coal mining

Extractive

Elements and Performance Criteria

1. Plan and prepare to conduct secondary blasting	1.1 Access, interpret and apply blasting documentation and ensure the work activity is compliant 1.2 Obtain, confirm and apply Blasting Management Plan and blast plan requirements 1.3 Identify, manage and report all potential hazards, risks and environmental issues 1.4 Select and wear personal protective equipment appropriate to the work activities 1.5 Obtain and interpret emergency procedures and be prepared for fire/accident/emergency 1.6 Carry out calculations to enable pattern design, loading and
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	tying in of shots 1.7 Identify and confirm the explosives and accessories 1.8 Coordinate vehicle, equipment and personnel support requirements 1.9 Manage environmental issues 1.10 Ensure area is free of blasting fumes before entry into work area
2. Conduct blasting	2.1 Carry out pre blasting procedures and establish exclusion zone 2.2 Use appropriate explosives and/or techniques to achieve blast objective 2.3 Activate warnings and notify relevant personnel of intended blasting 2.4 Hook up and initiate blast
3. Complete blasting operations	3.1 Carry out post blast coordination and declare area safe for re-entry 3.2 Inspect site and deal with non-conforming conditions 3.3 Inspect equipment for defects and conduct housekeeping activities 3.4 Complete reports accurately 3.5 Pass on end of shift information to oncoming shift

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

RIIBLA305A Conduct secondary blasting

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 RIIBLA305D Conduct secondary blasting

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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 plan, prepare and conduct blasting operations 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 secondary blasting that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - planning and preparation
 - conducting blasting
 - completing blasting operations
 - working with others to undertake and complete secondary blasting

Knowledge Evidence

The candidate must demonstrate knowledge in conducting secondary blasting:

- Australian standards and code of practice
- site and equipment safety procedures
- environmental requirements, including vibration, noise, dust and chemicals

- site environmental requirements and constraints
- types, physical and technical characteristics, uses and limitations of explosives and protection measures associated with their use
- basic geological and technical information
- blast plans
- planning processes
- equipment characteristics, technical capabilities and limitations
- selection of appropriate explosives to meet site conditions
- risk management including application of appropriate controls to identified risks
- non-conforming conditions

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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