![Australian Government](Australian Government logo)

# RIIBLA305E Conduct secondary blasting

**Release: 1**

# RIIBLA305E Conduct secondary blasting

## 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 secondary blasting in the coal and metalliferous mining and extractive sectors. It includes pre-blasting and post-blasting activities to support blasts.

It applies to those working in operational roles. They generally work under minimal supervision to undertake a broad range of skilled applications in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

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

Extractive

Metalliferous mining

## Elements and Performance Criteria

| ELEMENT | PERFORMANCE CRITERIA |
|---------|----------------------|
| *Elements describe the essential outcomes.* | *Performance criteria describe the performance needed to demonstrate achievement of the element.* |
| 1. Plan and prepare to conduct secondary blasting | 1.1 Obtain, interpret, confirm and clarify blasting management plan and blast plan requirements <br> 1.2 Access, interpret and apply blasting documentation and confirm work activity is compliant <br> 1.3 Identify, manage and report potential hazards, risks and environmental issues according to legislative and site requirements <br> 1.4 Select and wear personal protective equipment according to legislative and site requirements |

| ELEMENT | PERFORMANCE CRITERIA |
|---|---|
| | 1.5 Obtain and interpret emergency procedures and confirm steps required to respond to emergencies |
| | 1.6 Carry out calculations for pattern design, loading and tying in of shots |
| | 1.7 Identify and confirm the explosives and accessories according to site requirements |
| | 1.8 Coordinate vehicle, equipment and personnel support requirements within scope of own role |
| | 1.9 Manage environmental issues according to site requirements |
| | 1.10 Confirm 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 according to site requirements |
| | 2.2 Use explosives and/or techniques according to blast plan and site requirements |
| | 2.3 Activate warnings and notify relevant personnel of intended blasting according to site requirements |
| | 2.4 Hook up and initiate blast according to manufacturer specifications and site requirements |
| 3. Complete blasting operations | 3.1 Carry out post-blasting coordination and declare area safe for re-entry according to site requirements |
| | 3.2 Inspect site and address non-conforming conditions according to site requirements |
| | 3.3 Inspect equipment for defects and conduct housekeeping activities according to site requirements |
| | 3.4 Complete reports according to site requirements |
| | 3.5 Pass on end of shift information to oncoming shift 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 |

| SKILL | DESCRIPTION |
|---|---|
| Writing | • Completes workplace reports using sector-specific vocabulary, grammatical structures and conventions |

## Unit Mapping Information

Supersedes and is equivalent to RIIBLA305D Conduct secondary blasting.

## Links

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