



**Australian Government**

# **RIIBLA601E Design blasts**

**Release: 1**

## RIIBLA601E Design blasts

### Modification History

Release	Comment
1	This unit replaces RIIBLA601D Design surface blasts. Amendments made to the title and element one to remove 'surface' allowing this unit to be used underground also. Unit application amended. Add mapping table.

### Application

This unit describes a participant's skills and knowledge required to design blasts in Civil construction, Coal and Metalliferous mining and Extractive.

This unit is appropriate for those working in management roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between States, Territories and industry sectors. Relevant information must be sourced prior to the application of this unit.

### Unit Sector

Civil construction

Coal mining

Extractive

Metalliferous mining

### Elements and Performance Criteria

1. Plan and prepare for the design of blast	<p>1.1 Access, interpret and apply blast plan documentation and ensure the work activity is compliant</p> <p>1.2 Identify, address and report potential risks, hazards and environmental issues, determine acceptable levels of risk and implement control measures</p> <p>1.3 Confirm the geological and survey data relevant to the design and implementation</p> <p>1.4 Access, interpret and clarify the blast requirements relevant to the design and implementation</p> <p>1.5 Identify operational limitations relevant to the design and implementation</p> <p>1.6 Identify the available explosives and their characteristics</p>
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	<p>relevant to the design and implementation</p> <p>1.7 Identify the available initiation options and their characteristics relevant to the design and implementation</p>
2. Prepare the blast plan	<p>2.1 Apply the blast design parameters to prepare a safe, effective and efficient blast plan</p> <p>2.2 Ensure that the blast plan meets all of the blast requirements and parameters</p> <p>2.3 Prepare and present the blast plan budget in accordance with the organisation's requirements</p> <p>2.4 Document the blast plan</p>
3. Implement, monitor and adjust blast plans	<p>3.1 Issue, communicate, explain and clarify the blast plan to team members and others involved</p> <p>3.2 Provide timely ongoing support and advice to those implementing the blast plan</p> <p>3.3 Ensure written records and reports are maintained and issued to relevant personnel</p> <p>3.4 Monitor and confirm the results of the blast against blast design requirements, parameters and the budget</p> <p>3.5 Identify and resolve variances in consultation with relevant stakeholders and issue instructions for adjustments to future plans and/or their implementation</p>

## 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

Code and title current version	Code and title previous version	Comments	Equivalence status
RIIBLA601E Design blasts	RIIBLA601D Design surface blasts	Amendments made to the title and element one to remove 'surface' allowing this unit to be used underground also. Unit application amended. Add mapping table.	Equivalent unit

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>