



Australian Government

RIIBLA203E Conduct mobile mixing of explosives

Release: 1

RIIBLA203E Conduct mobile mixing of explosives

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 3.0.

Application

This unit describes the skills and knowledge required to load and mix explosives using mobile processing units at blast holes. It applies for both above ground and underground mobile processing units.

This unit applies to those working in site-based roles on mine sites and quarries in the coal mining, metalliferous mining, drilling, extractive, and civil infrastructure environments.

Licensing, legislation, regulatory and certification requirements that apply to this unit can vary between States, Territories and industry sectors, and must be sourced from state jurisdictions prior to applying the unit.

Unit Sector

Civil infrastructure

Coal mining

Drilling

Extractive

Metalliferous mining

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare to mix explosives using a mobile processing unit	1.1 Access, interpret and apply explosives documentation and ensure work activity is compliant 1.2 Locate, select and wear personal protective equipment appropriate for work activity 1.3 Inspect work area and establish, barricade, and signpost loading

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	area 1.4 Identify and address potential health, safety and environmental hazards and implement control measures in line with workplace procedures 1.5 Obtain and interpret emergency procedures in preparation for emergencies and incidents 1.6 Confirm safe and secure access to explosives precursors in line with workplace procedures and legislative requirements 1.7 Segregate incompatible goods prior to loading the mobile processing unit according to legislation and codes of practice 1.8 Inspect mobile processing unit for faults, and record faults in line with workplace procedures 1.9 Ensure attachments comply with standards and licensing requirements 1.10 Placard mobile processing unit and attachments to show the goods carried, hazardous chemicals identification, and emergency information in line with workplace procedures and legislative requirements 1.11 Check that safety equipment is fitted and ready for use in line with workplace procedures and legislative requirements
2. Load and mix explosives precursors	2.1 Carry out pre-start checks of vehicle or unit in line with workplace procedures 2.2 Identify faults and defects, and rectify or report them within scope of own responsibility and according to workplace procedures 2.3 Check availability of and calculate batch quantities for precursors to manufacture explosives 2.4 Inspect vehicle or unit and confirm that it is safe for loading explosives and free from unnecessary products and items 2.5 Position vehicle for loading and apply parking brake throughout precursor loading operation 2.6 Operate loading equipment to load specified amounts of precursors in line with workplace procedures 2.7 Load precursors in a safe manner to prevent spillage and injury to personnel, and use emergency procedures when required 2.8 Record details of loaded precursors

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Transport explosives precursors to delivery point	3.1 Confirm and follow pre-planned transport route 3.2 Drive vehicle or unit according to road conditions, established mine traffic rules, and public traffic rules 3.3 Operate vehicle or unit in line with licences and regulations in the relevant jurisdiction, and workplace procedures 3.4 Identify and report potential emergency situations
4. Deliver explosives in blast hole	4.1 Assess ground conditions and confirm their suitability prior to commencing delivery of explosives 4.2 Select most appropriate hole discharge point and locate delivery point over blast hole 4.3 Confirm identity of blast hole and explosive loading requirements with relevant personnel 4.4 Regulate discharge of explosives to blast hole to achieve specified weight or stemming height 4.5 Complete loading hole and prepare vehicle or unit for next blast hole 4.6 Check area is clear and safe to move vehicle
5. Complete activity and store equipment	5.1 Complete delivery of required product 5.2 Flush delivery system according to workplace procedures 5.3 Safely exit blast site 5.4 Store vehicle or unit safely and securely in accordance with workplace procedures and legislative requirements 5.5 Complete and file documentation, and distribute according to workplace requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Skill	Description
-------	-------------

Reading	Identifies and interprets relevant information and ideas from workplace procedures, documentation, legislation, and regulations
Numeracy	Identifies and comprehends mathematical information required to load, mix, and deliver explosives precursors

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
RIIBLA203E Conduct mobile mixing of explosives (Release 1)	RIIBLA203D Conduct mobile mixing of explosives (Release 2)	Minor updates to all sections to reflect operator's role.	Equivalent

Links

Companion Volume implementation guides are found in VETNet -

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