



Australian Government

**RIIBLA602E Establish and maintain
explosives safety and security management
systems**

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.

Application

This unit describes the skills and knowledge required to establish and maintain an explosives safety and security management system in the extractive, coal mining and metalliferous mining sectors. It includes establishing systems for managing safety and security throughout activities covering the explosives lifecycle, and supporting relevant processes and procedures, training requirements, and audit and review systems. The explosives lifecycle includes all activities undertaken during explosives operations, including delivery, storage, manufacture, transport, use, misfire management and disposal, incident management and maintenance processes for plant and equipment.

The unit applies to those working in management roles or technical specialist roles. They generally perform complex, non-routine tasks involving strategic and planning activities and are responsible for establishing and maintaining operational systems and plans.

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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine blasting objectives and prepare to establish and	1.1 Obtain, interpret and confirm blasting objectives 1.2 Access, interpret and apply documentation required to

ELEMENT	PERFORMANCE CRITERIA
<p>maintain explosives safety and management systems</p>	<p>establish and maintain explosives safety and security management systems</p> <p>1.3 Develop organisational safety and security policies, objectives and procedures that outline organisational commitment to explosives safety and security, and proposed implementation of required legislation</p> <p>1.4 Define, allocate and include job descriptions and duty statements for required positions</p> <p>1.5 Identify, obtain and allocate resources for operation of explosives safety and security management system</p> <p>1.6 Communicate information on explosives safety and security management system and procedures in a format accessible to required personnel</p>
<p>2. Establish and maintain participative arrangements for management of explosives</p>	<p>2.1 Establish and maintain consultative processes with required personnel</p> <p>2.2 Confirm issues raised through participation and consultation are addressed according to organisational procedures</p> <p>2.3 Confirm information about the outcomes of participation and consultation is provided in a format accessible to required personnel</p>
<p>3. Establish and maintain processes for identifying safety and security hazards throughout explosives lifecycle</p>	<p>3.1 Develop and maintain process for ongoing identification of existing and potential safety and security hazards throughout explosives lifecycle for the operation</p> <p>3.2 Monitor activities to confirm that safety and security hazard identification procedures are adopted throughout explosives lifecycle</p> <p>3.3 Confirm safety and security hazard identification procedures are applied at planning, design and evaluation stages of any change to explosives activities</p>
<p>4. Establish and maintain procedures for assessing safety and security risk throughout explosives lifecycle</p>	<p>4.1 Develop procedures for ongoing assessment of safety and security risks throughout activities encompassing explosives lifecycle for the operation</p> <p>4.2 Monitor activities to confirm risk assessment procedure is adopted effectively throughout the organisation</p> <p>4.3 Confirm appropriate assessment of safety and security risks identified throughout activities encompassing explosives lifecycle for the operation</p> <p>4.4 Confirm procedures are in place for safety and security risk assessment to be addressed at the planning, design and evaluation stages of any change to explosives</p>

ELEMENT	PERFORMANCE CRITERIA
	activities within the organisation
5. Establish and maintain procedures for treating safety and security risks throughout explosives lifecycle	<p>5.1 Develop measures to control assessed safety and security risks according to legislative requirements, industry standards and codes of practice, and trends identified from organisational records management system</p> <p>5.2 Confirm implementation of interim solutions, until permanent control measure is developed, when measures that treat identified safety and security risks at their source are not immediately practicable</p> <p>5.3 Monitor activities to confirm that safety and security risk treatment procedure is adopted throughout organisational activities that cover explosives lifecycle</p> <p>5.4 Confirm safety and security risk treatment is addressed at planning, design and evaluation stages of any change to explosives activities in the organisation, and confirm inclusion of required safety and security risk control measures</p> <p>5.5 Identify inadequacies in existing safety and security risk treatment measures, and provide resources to implement new measures according to organisational procedures</p>
6. Establish and maintain organisational procedures for addressing unplanned explosives safety and security incidents	<p>6.1 Identify range of most likely, potential, unplanned, safety and security incidents according to analysis of likely risks relating to activities covering explosives lifecycle</p> <p>6.2 Develop procedures for addressing safety and security risks associated with identified potential events according to legislative, emergency services and explosives supplier requirements</p> <p>6.3 Provide safety and security information and training to required personnel implementing procedures covering explosives lifecycle activities according to legislative, organisational and explosives supplier requirements</p>
7. Establish and maintain explosives training program	<p>7.1 Develop training program addressing training needs of required personnel according to explosives activities being undertaken</p> <p>7.2 Confirm implementation of training program according to organisational requirements</p>
8. Establish and maintain system for explosives records	<p>8.1 Establish system for recording explosives lifecycle activities and outcomes according to legislative and organisational requirements</p> <p>8.2 Monitor explosives record system and confirm system</p>

ELEMENT	PERFORMANCE CRITERIA
	allows for identification of patterns of occupational injury, incidents and security breaches in the organisation
9. Evaluate explosives safety and security management system and related policies, procedures and programs	<p>9.1 Assess effectiveness of explosives safety and security management system and related policies, procedures and programs</p> <p>9.2 Develop and confirm implementation of improvements to explosives safety and security management system, and confirm resultant achievement of improved blasting outcomes</p> <p>9.3 Assess and confirm compliance with legislative requirements relating to explosives and relevant industry sector, industry standards and codes of practice, guidance notes and guidelines</p>

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	<ul style="list-style-type: none"> Calculates resourcing requirements
Oral communication	<ul style="list-style-type: none"> Conveys information and requirements clearly and listens carefully
Reading	<ul style="list-style-type: none"> Identifies and interprets relevant information from workplace procedures, documentation and legislation
Writing	<ul style="list-style-type: none"> Prepares specific information that complies with a range of requirements, using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is not equivalent to RIIBLA602D Establish and maintain a blasting system.

Links

Companion Volume Implementation Guide is found on VETNet -

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

