



Australian Government

AHCEXP302 Identify and select explosive products

Release: 1

AHCEXP302 Identify and select explosive products

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to identify and select explosive products and suitable mixtures that can be used for blasting for agricultural or land management purposes.

This unit applies to individuals who work under broad direction and take responsibility for their own work. This includes using discretion and judgement in the selection and use of available resources.

Licensing conditions apply to this unit. Specific determination should be sought through the relevant State or Territory.

Pre-requisite Unit

Nil.

Unit Sector

Explosives (EXP)

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. Identify explosives applications	1.1 Identify the job application requiring the use of explosives in consultation with the field manager or supervisor 1.2 Identify the site for blasting and check the surrounding area to confirm that all aspects of safety have been considered and actioned 1.3 Identify risks and potential side effects of the blast after consideration of all site characteristics and use information in the planning of blasting operations

Element	Performance criteria
	1.4 Consider environmental implications of the intended explosives usage when planning blasting activities 1.5 Consider and utilise alternatives to the use of explosives when planning the application, as appropriate 1.6 Follow work health and safety policies and procedures when handling or using explosives to maintain own, fellow workers' and public safety
2. Select explosives components	2.1 Select explosive products to match the application, site and identified hazards at the blasting site 2.2 Make sure explosives or components are not damaged or defective before use 2.3 Establish the quantity of explosive energy required in line with the site characteristics and the designated application 2.4 Ensure initiator device selection reflects industry best practice and matches explosives selection 2.5 Utilise safety fuses as required to suit the application 2.6 Make sure the use of explosives complies with relevant legislative requirements and Australian Standards

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCEXP302A Identify and select explosive products.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCEXP302 Identify and select explosive products

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must demonstrate that they can identify and select appropriate explosive products for the task.

The candidate must provide evidence that they can that they can:

- establish the need to use explosives
- identify the risks and environmental implications of using explosives
- select explosives and initiator devices to match the application, site and identified hazards at the blasting site
- utilise safety fuses as required
- identify various components of explosive products
- estimate the likely effect of explosives on structures, personnel and livestock in the site vicinity
- apply work health and safety policies and procedures when working with explosives
- apply policies and procedures to ensure the safety of the public

Knowledge Evidence

The candidate must demonstrate knowledge of:

- uses of various explosive products
- performance of each explosive product used by the enterprise
- the behaviour of the substrate material when subject to blasting
- jobs that require the use of explosives in the context of own conservation and land management work
- particular properties of explosives/blasting agents and their suitability for particular purposes
- features that identify defective or damaged explosives

- key concepts of the Australian standards relating to the storage, transportation and use of explosives as they apply to own work role
- relevant State and Territory legislation

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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