



Australian Government

Assessment Requirements for AHCEXP304

Identify and select explosive products

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- established with supervisor need to use explosives
- identified components of explosive products
- identified the risks and environmental implications of using explosives, including the effect on:
 - structures
 - personnel
 - livestock and fauna
 - environment
- selected explosives and initiator devices consistent with:
 - blasting operation
 - blast site conditions
 - identified hazards
- used safety fuses appropriate for the explosive charge
- applied workplace health and safety policies and procedures when working with explosives
- applied policies and procedures, legislative requirements and Australian Standards.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- explosive products, their use and function
- risk assessment and workplace health and safety procedures
- performance of explosive products, including:

- calculating explosive energy
- determining amount of explosive charge required for a given situation
- powder factor
- behaviour of the substrate material when subjected to blasting:
 - sand
 - rock
 - clay
- applications of explosives in the context of own conservation and land management work:
 - stump and tree removal
 - dams
 - soil de-compaction
 - rock removal
 - trenching
- properties of explosives/blasting agents and their suitability for different applications:
 - detonating
 - initiation
 - primary
 - secondary
- features that identify defective or damaged explosives:
 - age
 - physical condition
 - degradation
- key concepts of the Australian Standards relating to:
 - storage
 - transportation
 - use of explosives
- state and territory legislation for the use of explosives.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an environment that accurately represents workplace conditions and that exposes individuals to live detonation conditions
 - safe transport and storage facilities suitable for explosives
- resources, equipment and materials:
 - explosives, detonators and fuses
 - safety equipment
- specifications:

- policies, procedures, processes for the safe use of explosives
- safety data sheets for explosives
- instructions/job specifications for a blasting operation
- legislation and Australian Standards for the use of explosives.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>