



Australian Government

AHCBAC208 Prepare grain storages

Release: 1

AHCBAC208 Prepare grain storages

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

Application

This unit of competency describes the skills and knowledge required to safely prepare storages, surrounding areas and equipment in readiness for receiving grain at an acceptable level of hygiene. This unit applies to workers in specialist grain storages or on grain farms.

The unit applies to individuals who work under general supervision and exercise limited autonomy with some accountability for own work. They undertake defined activities and work in a structured context.

No licensing, legislative or certification requirements apply to this unit at the time of publication. However, all work in confined spaces must comply with state and federal legislation requirements.

Pre-requisite Unit

Nil

Unit Sector

Broad Acre Cropping (BAC)

Elements and Performance Criteria

Elements	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 work in bulk material storage area	1.1 Confirm work program instructions and clarify anomalies with supervisor 1.2 Identify work health and safety hazards in grain storage and report to supervisor and implement suitable controls 1.3 Select, check, use and maintain personal protective equipment (PPE)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Select, prepare and maintain equipment and tools
2. Prepare storage area	2.1 Clean storage site of contaminants according to workplace and biosecurity procedures 2.2 Dispose of waste according to workplace procedures 2.3 Prepare and maintain the storage site according to procedures
3. Prepare storage facilities	3.1 Clean residue from bulk material storage facility according to workplace and biosecurity procedures 3.2 Check structural integrity, damage or deterioration of bulk material storage facility and repair or report according to workplace procedures 3.3 Prepare and erect temporary storage facility according to work program instructions
4. Prepare bulk material handling machinery	4.1 Clean machinery of contamination and residues according to workplace and biosecurity procedures 4.2 Assist setting and adjustment of bulk material handling equipment according to work program instructions 4.3 Conduct pre checks of bulk material handling equipment according to manufacturer instructions and workplace requirements
5. Complete maintenance operation	5.1 Update grain storage preparation records according to workplace procedures 5.2 Dispose of waste according to workplace and environmental procedures 5.3 Clean, maintain and store tools and equipment according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
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Skill	Description
Reading	Interpret manufacturer specifications, work and maintenance programs, and safety data sheets (SDS) relevant to storage preparation and equipment operation
Oral Communication	Use concepts and industry terminology when communicating with supervisor
Numeracy	Use and recognise the numerical relationships between adjustment and settings on bulk materials handling equipment and their effective operation

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCBC208 Prepare grain storages	AHCBC204 Prepare grain storages	Edited Application for clarity Minor changes to Performance Criteria for sequencing and clarity Foundation Skills refined Performance Evidence and Knowledge Evidence clarified Amended structure of Assessment Conditions	Equivalent

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 AHCBA208 Prepare grain storages

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Performance Evidence

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

There must be evidence that the individual has prepared grain storage facilities for any 2 of the following storage methods:

- silo
- grain bags
- shed
- bunker/pit

In doing so, there must also be evidence that the individual has:

- identified hazards and followed safe work procedures
- erected temporary bulk material storages according to storage plan
- checked equipment and storage facilities, and identified current or impending faults
- selected, checked, used and maintained personal protective equipment (PPE)
- performed pre-operational checks and routine safety, service and maintenance procedures on tools, equipment and machinery
- operated hand and independently powered tools and cleaning equipment to industry standards
- cleaned, secured and stored machinery and equipment following use
- prepared storage facility ready for grain delivery
- worked in confined spaces in accordance with State/Territory legislation
- followed work health and safety, and biosecurity procedures.

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:

- methods for storing grain in Australia and their construction, including:
 - hazards, safety and structural requirements for storage

- erection and dismantling for types of temporary storage used by organisation
- typical signs of structural damage to be documented and reported
- commodity quality standards for grain storage
- grain storage hygiene and biosecurity requirements
- machinery and equipment used in grain storage work, including:
 - pre-operational and safety checks
 - settings and adjustments and effect on grain handling
 - servicing and maintenance procedures
 - safety and operating principles
 - cleaning and storage
 - biosecurity requirements
- common problems and contingencies in grain storage situations
- workplace health and safety practices and personal protection, including:
 - working at heights and confined spaces with storage bins
 - potential hazards associated with the operation of basic tools and equipment
 - regulations and codes of practice for grain storage machinery and equipment
 - personal protective clothing and equipment and when it should be used
 - power lines and elevated equipment safety
 - storage dust and potential for fire and explosions
- recording and reporting procedures.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated at a grain storage facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - materials and consumables for grain storage repair/construction
 - cleaning tools, equipment and consumables
 - machinery and equipment for grain handling
 - specific items of personal protective equipment (PPE)
- specifications:
 - workplace procedures
 - manufacturer operating instructions for equipment and machinery
 - safety data sheets
 - workplace instructions
- relationships:
 - supervisor(s).

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

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