



Australian Government

AHCLSK431 Design livestock handling facilities

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 Release 11.0.

Application

This unit of competency describes the skills and knowledge required to design livestock handling facilities.

The unit applies to individuals who apply specialist skills and knowledge to design livestock handling facilities. This includes applying and communicating non-routine technical solutions to predictable and unpredictable problems.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace, and animal welfare legislation, regulations, standards and guidelines, and sustainability and biosecurity practices.

In addition to legal responsibilities, all units of competency dealing with animals in the AHC Agriculture, Horticulture and Conservation and Land Management Training Package have the requirements for animals to be handled humanely to minimise stress and discomfort.

This unit applies to those whose job role includes planning and designing handling and/or accommodation facilities for livestock.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Livestock (LSK)

Elements and Performance Criteria

Elements	Performance Criteria
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Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Determine requirements	1.1 Assess and clarify requirements for livestock handling facilities 1.2 Negotiate and confirm cost structures and timelines according to workplace budgetary constraints 1.3 Obtain and assess plans for livestock handling facilities from a variety of sources
2. Undertake a site analysis	2.1 Inspect location of new or existing site and record physical elements and features of the site for assessment of suitability 2.2 Specify surveys to be undertaken and determine tolerances according to workplace requirements 2.3 Assess and determine site preparation requirements according to workplace policies and site parameters
3. Prepare a design brief	3.1 Modify plans according to the individual site and workplace objectives 3.2 Assess options to modify existing facilities or establish alternative handling operations, and obtain quotes 3.3 Identify and incorporate relevant workplace health and safety, animal welfare, biosecurity and environment and sustainability requirements, and workplace quality assurance requirements into the design plan 3.4 Identify legal requirements and constraints on development processes 3.5 Prepare design brief and undertake consultation to establish agreement on options and approaches for development
4. Develop a final plan	4.1 Prepare recommendations based on the analysis of data and workplace requirements 4.2 Obtain authorisations and approvals required for implementation of the plan 4.3 Produce detailed plan according to workplace health and safety, animal welfare, biosecurity and environment requirements and workplace objectives

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
Reading	Identify and interpret textual and numerical information from a range of sources to identify relevant and key information about livestock handling facility design requirements
Writing	Use clear language, accurate industry terminology and logical structure to prepare and document a design brief and plan
Oral communication	Respond to questions, clarify information, negotiate and seek advice
Numeracy	- Calculate personnel, equipment, material and resource costs associated with preparing and implementing a livestock handling facility design - Monitor a workplace budget

Unit Mapping Information

Code and title current release	Code and title previous release	Comments	Equivalence status
AHCLSK431 Design livestock handling facilities	AHCLSK413 Design livestock handling facilities	Minor changes to application Minor changes to elements and performance criteria Foundation skills added Assessment requirements updated	Equivalent

Links

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

Assessment Requirements for AHCLSK431 Design livestock handling facilities

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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 designed livestock handling facilities on at least one occasion, and has:

- assessed the need for livestock handling facilities
- evaluated and recommended alternative options
- determined the site and designed the handling facility for the site
- implemented and incorporated relevant workplace health and safety and environment and biosecurity legislation, regulations and workplace procedures into the design of livestock handling facilities
- incorporated animal welfare policies, practices and requirements into the design of livestock handling facilities, including livestock movement
- estimated cost of building the designed livestock handling facility
- developed a detailed plan for livestock handling facility.

Knowledge Evidence

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

- workplace requirements applicable to health and safety in the workplace for designing livestock handling facilities
- environment and biosecurity legislation and regulations and workplace practices relevant to designing livestock handling facilities
- principles and practices for designing livestock handling facilities, including:
 - livestock behaviour and design interactions
 - workplace livestock handling facility requirements
 - requirements of transportation vehicles and loading areas
 - costing methodologies

- livestock handling options and accommodation facilities and their uses
- site constraints in relation to livestock handling facilities
- industry and legislative requirements for the planning and establishment of livestock handling facilities
- animal welfare practices relevant to designing livestock handling facilities.

Assessment Conditions

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

- physical conditions:
 - a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - work instructions and workplace procedures applicable to designing livestock handling facilities
- specifications:
 - workplace requirements applicable to health and safety in the workplace for designing livestock handling facilities
 - environment and biosecurity legislation and regulations and workplace practices applicable to designing livestock handling facilities
 - legislation, regulations, standards, guidelines and procedures for animal welfare applicable to designing livestock handling facilities
- time frames:
 - according to job requirements.

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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