



Australian Government

Department of Education, Employment and Workplace Relations

AHCLSK413A Design livestock handling facilities

Release: 1

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Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers designing livestock handling facilities and defines the standard required to: assess the need for livestock handling facilities; determine the site and design the handling facility for the site; incorporate animal welfare requirements and movement principles into design; identify appropriate safe workplace procedures for livestock and personnel; and estimate cost of building the designed facilities.
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Application of the Unit

Application of the unit	This unit applies to those whose job role includes planning and designing handling and/or accommodation facilities for livestock.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Determine requirements	<p>1.1. Requirements for livestock handling facilities are assessed and clarified according to enterprise objectives.</p> <p>1.2. Cost structures and timelines are negotiated and confirmed within enterprise budgetary constraints.</p> <p>1.3. Plans are obtained for livestock handling facilities from a variety of sources and are assessed in relation to enterprise requirements.</p>
2. Undertake a site analysis	<p>2.1. Location of new or existing site is inspected and physical elements and features of the site are recorded for assessment of suitability.</p> <p>2.2. Surveys to be undertaken are specified and tolerances determined according to enterprise requirements.</p> <p>2.3. Site preparation requirements are assessed and determined according to enterprise policies and site parameters.</p>
3. Prepare a design brief	<p>3.1. Plans are modified appropriate to the individual site and reflect enterprise objectives.</p> <p>3.2. Options to modify existing facilities or establish alternative handling operations are assessed and quotes obtained.</p> <p>3.3. Occupational Health and Safety (OHS) codes of practice and enterprise quality assurance requirements are identified and incorporated into the plan.</p> <p>3.4. Legal requirements and constraints on development processes are identified.</p> <p>3.5. Design brief is prepared and consultation is undertaken to establish agreement on options and approaches for development.</p>
4. Develop a final plan	<p>4.1. Recommendations are prepared based on the analysis of data and enterprise instructions.</p> <p>4.2. Authorisations and approvals required for implementation of the plan are obtained.</p> <p>4.3. Detailed plan is produced with consideration for safety, environmental implications and meeting enterprise objectives.</p>

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- evaluate and recommend alternative options
- identify appropriate safe workplace procedures for livestock and personnel
- regularly access industry information databases to maintain currency with industry developments
- incorporate safety considerations in all aspects of design
- develop sequenced written instructions, record accurately and legibly information collected and select and apply procedures to a range of tasks
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification, negotiating solutions and responding to a range of views
- use numeracy skills to estimate, calculate and record routine and more complex workplace measures and data
- use interpersonal skills to work with others and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- livestock behaviour and design interactions
- enterprise operations
- costing alternatives
- livestock handling and/or accommodation facilities and their uses
- site analysis and issues
- industry and legislative requirements for the planning and establishment of livestock handling facilities
- OHS issues and legislative requirements
- codes of practice with regard to environmental protection.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following:</p> <ul style="list-style-type: none"> • assess the need for livestock handling facilities • determine the site and design the handling facility for the site • incorporate animal welfare requirements and movement principles into design • identify appropriate safe workplace procedures for livestock and personnel • estimate cost of building the designed facilities.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Livestock handling facilities may include:	<ul style="list-style-type: none"> • fixed and portable yards • drafting gates • livestock dips • laneways • gates • loading ramps • races • pens • showers

RANGE STATEMENT	
	<ul style="list-style-type: none">• adjacent fencing.

Unit Sector(s)

Unit sector	Livestock
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Co-requisite units

Co-requisite units	

Competency field

Competency field	
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