

Modification history

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

AHCMKH4XX	Design and fabricate milking equipment installations
Application	<p>This unit of competency describes the skills and knowledge required to design, plan and manage the installation of milking equipment for dairy facilities.</p> <p>This unit applies to technicians who design and install milking equipment components for dairy facilities.</p> <p>All work is carried out to comply with workplace policies and procedures, according to state/territory work health and safety, animal welfare, environmental and biosecurity legislation, regulations and standards that apply to the workplace.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Milk Harvesting (MKH)

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 design and installation estimates	1.1 Determine facility design and installation requirements 1.2 Identify and determine physical and material resources for proposed installation works 1.3 Identify work health and safety issues that impact on design and construction, and incorporate risk controls in planning 1.4 Document and submit proposal to relevant personnel
2. Plan installation	2.1 Complete contract for installation work based on verification of material estimates and costings 2.2 Obtain relevant building and planning permits 2.3 Confirm site planning incorporates environmental issues, service connections and alternative power supplies 2.4 Plan required components to match proposed installation and source from original equipment manufacturer 2.5 Plan installation to avoid risks to people and animals during milking, cleaning or service operations
3. Facilitate completion of the installation	3.1 Develop implementation plan and schedule for installation 3.2 Establish and communicate roles and areas of responsibilities to installation participants 3.3 Order and take delivery of physical and material resources 3.3 Coordinate and oversee implementation of installation according to plan

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Interpret key information from documentation
Oral communication	<ul style="list-style-type: none"> Gather information through open-ended questioning, active listening, paraphrasing and summarising

Foundation Skills	
<i>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.</i>	
Skill	Description
	<ul style="list-style-type: none"> Use appropriate language and tone to communicate with internal and external installation participants
Writing	<ul style="list-style-type: none"> Complete documentation and plans using the required formal, logical structure and industry terminology
Numeracy	<ul style="list-style-type: none"> Calculate costings, time and application rates

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCMKH4XX Design and fabricate milking equipment installations	AHCMKH402 Design and fabricate milking equipment installations	Minor changes to performance criteria, performance and knowledge evidence. Foundation skill added. Assessment conditions expanded	Equivalent

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72
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TITLE	Assessment requirements for AHCMKH4XX Design and fabricate milking equipment installations
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has designed and facilitated at least one milking equipment installation, including:</p> <ul style="list-style-type: none"> • prepared design and installation estimates to facility requirements • developed the installation and implementation plans • communicated and monitored installation tasks until completion • implemented work health and safety requirements in plan and installation. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • types and functions of milking equipment • requirements, resources, components and financial aspects of planning milking equipment installations for milking facilities • resources, components and human for implementing installation of milking equipment • milking facility considerations for milking equipment installations • keys aspects and components of tender submissions and contracts for work • approvals, authorities and permits required for milling equipment installation, and procedures to obtain these approvals, authorities and permits • work health and safety requirements relevant to milking equipment installations. 	
Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in a dairy milking facility or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • resources to produce workplace documentation • specifications: <ul style="list-style-type: none"> • facility installation specifications • workplace policies and procedures for milking equipment installation, including advice on health and safety and hygiene requirements • manufacturer specifications. • relationships: <ul style="list-style-type: none"> • interactions with installation participants. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	<p>Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</p>