

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 7.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

AHCLSC301	Set out site for construction works
Application	<p>This unit of competency describes the skills and knowledge required to set out a site for construction works, planning, preparing, locating and marking out construction works, establishing survey benchmarks and verifying site levels in accordance with site plans and specifications. This may be done in advance of proposed works or in conjunction with construction works already being carried out.</p> <p>The unit applies to individuals who set out site for construction works under broad direction, and take responsibility for their own work and for the quality of the work of others.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Landscape (LSC)

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. Plan and prepare work	1.1 Interpret and compare site plans and specifications with other available plans 1.2 Identify potential hazards and risks, and implement safe working practices to manage risks 1.3 Select tools and equipment required for setting out construction works, and check for safe operation 1.4 1.5 Consider environmental impact of proposed construction works in interpreting site plans
2. Locate and mark out position of construction works	2.1 Locate existing site features from the site plan 2.2 Locate position of proposed construction works 2.3 Using the correct scale transfer scale measurements of lines, shapes, angles and dimensions from the site plan to site 2.4 Mark out the shape of proposed construction works on site
3. Establish datum point and survey benchmarks on site	3.1 Establish datum point to ensure all existing and proposed construction works can be linked by survey equipment 3.2 Select and establish survey benchmarks on positions or structures on site according to site plans or specifications
4. Take and verify site levels	4.1 Set up levelling equipment and check for accuracy of readings 4.2 Adjust instruments which are out of specification 4.3 Take levels and verify and record in accordance with established datum point and survey benchmarks
5. Complete work	5.1 Clean, maintain and store tools and equipment in required location 5.2 Identify and report unserviceable tools and equipment according to workplace procedures 5.3 Record work activities according to workplace procedures

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
Writing	<ul style="list-style-type: none"> Use clear language, accurate industry terminology and logical structure to complete work activity records
Oral communication	<ul style="list-style-type: none"> Use clear language to report tool and equipment unserviceability

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSC301 Set out site for construction works Release 2	AHCLSC301 Set out site for construction works Release 1	Minor changes to application Major changes to 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
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TITLE	Assessment requirements for AHCLSC301 Set out site for construction works
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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 set out site for construction works on at least one occasion and has:

- interpreted site plans and specifications
- applied workplace health and safety requirements
- selected, used and maintained tools and equipment required for setting out construction works
- used mathematical and geometrical principles to mark out a site for construction work
- used a range of surveying instruments
- established datum points and surveyed benchmarks on site
- taken and verified site levels
- reported unserviceable tools and equipment and recorded work activities.

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:

- workplace requirements applicable to health and safety in the workplace for setting out site for construction works
- principles and practices of site set out for landscape works, including:
 - how other plans may be referred to in assisting setting out a site
 - how to determine if other plans may be referred when setting out a site
 - mathematical and geometrical principals relevant to marking out sites
 - tools, equipment and survey instruments relevant to setting out site for sites construction works.

Assessment Conditions

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

- physical conditions:
 - a workplace setting or an environment that accurately represent workplace conditions
- resources, equipment and materials:
 - tools and equipment, and survey instruments applicable to setting out sites for construction work
 - other plans applicable to setting out sites for construction work
- specifications:
 - workplace requirements applicable to health and safety in the workplace for setting out site for construction works
 - site plans and specifications applicable to setting out sites for construction work
- timeframes:
 - 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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