

Modification history

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

AHCLSC5XX	Survey and establish site levels
Application	<p>This unit of competency describes the skills and knowledge required to undertake site surveys, map levels and issues of levels in gardens, orientate site, and record site details.</p> <p>The unit applies to individuals who apply specialist skills and knowledge to surveying and establishing site levels, take personal responsibility and exercise autonomy in undertaking complex work. They analyse and synthesise information, and analyse, design and communicate solutions to sometimes complex problems.</p> <p>All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.</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. Undertake the site survey	1.1 Test survey equipment 1.2 Determine survey items from existing plan or client brief and prepare sketch plan 1.3 Survey items and relevant landscape features and take heights 1.4 Record and check measurements 1.5 Take magnetic bearings
2. Orientate site	2.1 Determine differences between true and magnetic north 2.2 Calculate declination and transfer magnetic bearings to true north points on plans
3. Record site details	3.1 Draw plan to scale 3.2 Orientate north point 3.3 Reduce levels and record on plan 3.4 Identify and record issues of levels on site 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
Oral communication	<ul style="list-style-type: none"> Initiate discussions with client, using clear language and standard industry terminology to discuss survey items and sketch plan

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCLSC5XX Survey and establish site levels Release 1	AHCLSC501 Survey and establish site levels Release 1	Minor changes to application Major changes to performance criteria Foundation skills added Assessment requirements updated	Not 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 AHCLSC5XX Survey and establish site levels
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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 surveyed and established site levels on at least two occasions on two different sites, and has:

- performed survey equipment test
- maintained survey equipment and material
- interpreted existing plans and client brief
- read maps and plans
- recorded levels of survey items and site features
- orientated a landscape site
- used survey equipment on a sloping site, including a change point
- analysed surveying and levelling results
- mapped orientation and levels and issues of levels to scale on a site plan
- booked and logged results
- produced scale drawings for designs and costings
- liaised with clients.

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:

- principles and practices of establishing site levels, including:
 - survey equipment testing, calibration and maintenance procedures
 - techniques for surveying differing and unusual garden shapes
 - tools, equipment, and surveying instruments relevant to surveying and establishing site levels for landscape projects.

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 surveying and establishing site levels for landscape projects
- specifications:
 - site plans and client brief applicable to surveying and establishing site levels for landscape projects
- relationships:
 - clients
- 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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