



Australian Government

AHCLSC301 Set out site for construction works

Release: 1

AHCLSC301 Set out site for construction works

Modification History

Release Number	TP Version	Comments
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to set out a site for construction works 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.

This unit applies to individuals who take responsibility for own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.

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

Pre-requisite Unit

Nil.

Unit Sector

Landscape (LSC)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Plan and prepare work	1.1 Interpret plans and specifications 1.2 Compare site plan and specifications with other available plans 1.3 Select tools and equipment required for setting out construction works and check for serviceability 1.4 Identify hazards, assess risks and implement controls 1.5 Consider environmental impact of proposed construction works in interpreting site plans

Element	Performance criteria
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 4.4 Clean, maintain and store tools and equipment

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCLSC301A Set out site for construction works.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCLSC301 Set out site for construction works

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- interpret site plans and specifications
- use mathematical and geometrical principles to mark out a site for construction work
- use a range of surveying instruments
- establish datum points and survey benchmarks on site
- take and verify site levels

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices of site set out for landscape works
- 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

Assessment Conditions

Assessors must satisfy current standards for RTOs.

Links

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