



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **AHCIRG207A Carry out irrigation site preparation tasks**

**Release: 1**

## **AHCIRG207A Carry out irrigation site preparation tasks**

### **Modification History**

Not applicable.

### **Unit Descriptor**

This Unit covers the process of carrying out site preparation tasks under routine supervision and defines the standard required to: assemble work materials and unload safely; identify hazards and follow OHS procedures; assist in marking out site boundaries and clearing the site; and assist in checking layout and levels against the site plan.

### **Application of the Unit**

This Unit applies to workers in irrigation servicing, food or fibre production or amenity horticulture enterprises that operate under supervision and within enterprise guidelines.

### **Licensing/Regulatory Information**

Not applicable.

### **Pre-Requisites**

Not applicable.

### **Employability Skills Information**

This Unit contains employability skills.

### **Elements and Performance Criteria Pre-Content**

Elements describe the essential outcomes of a Unit of Competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Prepare for work on an installation site	1.1 The required materials, <i>tools and equipment</i> are identified according to lists provided and/or supervisor's instructions 1.2 Techniques used when loading and unloading materials demonstrate correct manual handling and minimise damage to the load and the vehicle 1.3 Suitable <i>personal protective equipment (PPE)</i> is selected and checked prior to use 1.4 <i>OHS hazards</i> are identified and reported to the supervisor
2 Clear and clean a site for work	2.1 Assistance is provided in marking out the boundaries of the site 2.2 Existing infrastructure is identified and removed or reported on 2.3 Vegetation is cleared from the site in accordance with the irrigation plan and procedures 2.4 Assistance is provided with <i>site preparation tasks</i>
3 Apply work procedures to prepare the site	3.1 Soil characteristics and environmental hazards are noted to apply sustainable work practices 3.2 Features on the site are aligned to symbols and terminology on the site plan 3.3 Assistance is provided to check layout of services and checking of depths and levels 3.4 Marking out of the site is carried out as directed

## Required Skills and Knowledge

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

### Required skills include:

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#### Ability to:

- prepare materials, tools and equipment for irrigation work
- handle materials and equipment
- undertake site preparation tasks as directed
- peg out a site boundary
- identify soil texture and risk of erosion
- assist in site preparation tasks
- identify adverse environmental impacts and take appropriate remedial action
- use literacy skills to follow sequenced written instructions and record information accurately and legibly
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification and seeking advice from supervisor
- use numeracy skills to estimate, calculate and record routine workplace measures
- use interpersonal skills to relate to people from a range of social, cultural and ethnic backgrounds and with a range of physical and mental abilities.

### Required knowledge includes:

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#### Knowledge of:

- interpretation of symbols and use of a legend on site plans and specifications, particularly in relation to the location of existing features
- understanding of compass directions and how to locate North from a site plan
- an awareness of other plans that may be referred to when setting out a site for irrigation
- recognition of site features and actions that can be taken to either clear the site or adjust the system to fit
- hazard identification and safe work procedures.

## Evidence Guide

<p>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.</p>	
<p>Overview of assessment</p>	
<p>Critical aspects for assessment and evidence required to demonstrate competency in this Unit</p>	<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"> <li>• assemble work materials and unload safely</li> <li>• identify hazards and follow OHS procedures</li> <li>• assist in marking out site boundaries and clearing the site</li> <li>• assist in checking layout and levels against the site plan.</li> </ul>
<p>Context of and specific resources for assessment</p>	<p>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.</p>

## Range Statement

<p>The range statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.</p>	
<p><b><i>Tools and equipment</i></b> may include:</p>	<p>levelling equipment, wheelbarrow, string lines, tape measures, marking gauges, spades, shovels, crow bars, rakes, brooms, sanding blocks and hacksaws.</p>
<p><b><i>Personal protective clothing and equipment (PPE)</i></b> may include:</p>	<p>steel capped boots/shoes, overalls, gloves, sun hat, sunscreen lotion, safety goggles, face mask and hearing protection, and any protection required for the use of equipment.</p>
<p><b><i>OHS hazards</i></b> should be identified through site risk assessment and organisational procedures and may include:</p>	<p>solar radiation, dust, noise, air- and soil-borne micro-organisms, chemicals and hazardous substances, sharp hand tools and equipment, manual handling, holes, and slippery and uneven surfaces.</p>
<p><b><i>Site preparation tasks</i></b> may include:</p>	<p>assisting with taking levels and marking out boundaries or key features from a site plan.</p>

## Unit Sector(s)

Irrigation