



Australian Government

RIICCM208E Carry out basic levelling

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to carry out basic levelling in civil construction, including establishing offsets to plans and drawings and setting up and using a levelling device.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

ELEMENT	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 for basic levelling	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation required to carry out basic levelling 1.3 Obtain and interpret emergency procedures and identify steps required to respond to emergencies 1.4 Select and wear personal protective equipment according to site requirements 1.5 Confirm and identify requirements for complying with environmental protection, safety and traffic management signage requirements 1.6 Identify, address and report environmental issues, potential hazards

ELEMENT	PERFORMANCE CRITERIA
	<p>and risks</p> <p>1.7 Select plant, tools and equipment required to carry out tasks and check for faults</p> <p>1.8 Identify, confirm, and locate materials required for work application</p>
2. Establish offsets to plans and drawings	<p>2.1 Establish offset and recovery pegs from survey controls to specified plans and drawings</p> <p>2.2 Re-establish earthwork and pavement control lines from offsets and/or recovery pegs</p> <p>2.3 Establish drainage offsets from survey control</p>
3. Set up and use levelling device	<p>3.1 Identify heights to be transferred or established from project plans or instructions</p> <p>3.2 Set up and use levelling instruments and complete levelling according to job requirements</p> <p>3.3 Transfer heights from the known to the required</p> <p>3.4 Document results of levelling procedure according to site requirements</p>
4. Conduct housekeeping activities	<p>4.1 Clear work area and dispose of or recycle materials according to site requirements</p> <p>4.2 Clean and maintain condition of equipment, confirm suitability for use, and address and report issues as required within scope of own role</p> <p>4.3 Manage and report hazards, and maintain a safe working environment</p> <p>4.4 Process records according to site requirements</p>

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
Numeracy	<ul style="list-style-type: none"> Calculates basic measurements including mass and dimensions
Oral communication	<ul style="list-style-type: none"> Uses communication techniques and systems to communicate with others

Unit Mapping Information

Supersedes and is equivalent to RIICCM208D Carry out basic levelling.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>