



Australian Government

RIICCM201D Carry out measurements and calculations

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIICCM201A Carry out measurements and calculations.
2	Editorial corrections Amended Performance Evidence.
3	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to carry out measurements and calculations in Civil Construction.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare for measurements and calculations	1.1 Access, interpret and apply measurements and calculations documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Select, and check for faults, equipment/tools for work activities
2. Perform measurements	2.1 Select and apply method of obtaining the measurement 2.2 Obtain measurements using appropriate tool, and ensure required accuracy

	2.3	Confirm and record measurements
3. Perform calculations	3.1	Select appropriate calculation method
	3.2	Calculate values for the project using the appropriate factors
	3.3	Confirm and record results
4. Estimate quantities	4.1	Select appropriate formulas for calculating quantities
	4.2	Make calculations for determining quantities
	4.3	Estimate quantities from the calculations taken
	4.4	Confirm and record quantities for the project within project tolerances

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIICCM201A Carry out measurements and calculations

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>