



Australian Government

RIICCM201E Carry out measurements and calculations

Release: 1

RIICCM201E Carry out measurements and calculations

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 5.0.

Application

This unit describes the skills and knowledge required to carry out measurements and calculations in the resources and infrastructure industries. It includes using measurements and calculations to estimate quantities for various work activities.

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 responsibility for the quality of own work outcomes.

Licensing, legislative and certification requirements may 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 measurements and calculations	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation and procedures 1.3 Select the appropriate plant and equipment and check for faults
2. Perform measurements	2.1 Select and apply the appropriate method of obtaining the measurement required 2.2 Obtain measurements using appropriate plant and equipment and confirm the required accuracy 2.3 Confirm and record measurements
3. Perform calculations	3.1 Select appropriate calculation method according to workplace

ELEMENT	PERFORMANCE CRITERIA
	procedures 3.2 Calculate values for the project using the appropriate calculation method 3.3 Confirm and record results
4. Estimate quantities	4.1 Select appropriate formulas for calculating quantities 4.2 Make calculations to determine quantities 4.3 Estimate quantities required from the calculations taken 4.4 Confirm and record quantities for the project with regard to project tolerances

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
Self-management	<ul style="list-style-type: none"> Monitors and minimises own exposure to worksite risks and hazards during activities
Oral communication	<ul style="list-style-type: none"> Uses a range of communication techniques and systems to communicate with others

Unit Mapping Information

Supersedes and is equivalent to RIICCM201D Carry out measurements and calculations.

Links

Companion Volume implementation guides is found on VETNet -

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