



Australian Government

RIICWM504D Prepare civil works bill of quantities

Release: 2

RIICWM504D Prepare civil works bill of quantities

Modification History

Release	Comment
1	This unit replaces RIICWM504A Prepare civil works bill of quantities
2	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 prepare a civil works bill of quantities in Civil construction.

This unit is appropriate for those working in supervisory roles or as a technical specialist.

No licensing or certification requirements apply to this unit at the time of publication.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan for the civil works bills of quantities	1.1 Access, interpret and apply civil works bill of quantities documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Prepare a draft works program that details the tasks or activities to be undertaken 1.4 Gain agreement on the draft works program
2. Identify and calculate on-site labour requirements	2.1 Interpret and analyse the data and identify the types and numbers of on-site labour required to undertake each stage 2.2 Identify the total number of on-site labour required overall to safely, effectively and efficiently meet the required project outcomes 2.3 Complete the documentation of the stage by stage and overall labour requirements
3. Identify and	3.1 Interpret and analyse the data and identify the types and

calculate materials requirements	quantities of materials required to undertake each stage 3.2 Identify the total quantity of materials required overall to safely, effectively and efficiently meet the required project outcomes 3.3 Complete the documentation of the stage by stage and overall materials requirements
4. Identify and calculate the on-site sub-contractor service requirements	4.1 Interpret and analyse the data and identify the types and numbers on-site sub-contractor services required to undertake each stage 4.2 Identify the total number of on-site sub-contractor services required to safely, effectively and efficiently meet the required project outcomes 4.3 Complete the documentation of the stage by stage and overall on-site subcontractor services requirements
5. Finalise civil works bills of quantities process	5.1 Complete and submit bill of quantities and other reporting 5.2 Gain approval of the bill of quantities 5.3 Ensure filing of bill of quantities is completed
6. Support and review the application of the bill of quantities	6.1 Provide clarification and advice to those applying the bill of quantities 6.2 Review the application of the bill of quantities and recommend improvements to the civil works bill of quantities preparation processes

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

RIICWM504A Prepare civil works bill of quantities

Links

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