



Australian Government

RIICCM205F Carry out manual excavation

Release: 2

RIICCM205F Carry out manual excavation

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 manual excavation in civil construction, including confirming the location of underground services, manually excavating, placing barricades and isolating the excavation.

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 manual excavation	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation required to carry out manual excavation 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
	and risks 1.7 Select plant, tools and equipment required to carry out tasks and check for faults 1.8 Identify, confirm, and locate materials required for work application
2. Initiate manual excavation procedures	2.1 Confirm location and specifications of intended excavation 2.2 Identify service markers and taped areas 2.3 Determine and confirm location of underground services and avoid damage and interference 2.4 Use hand tools and dig post holes, small pits and trenches to required dimensions 2.5 Undertake trench collapse prevention procedures where excavation is in unstable ground 2.6 Place barricades around the excavation according to job requirements
3. Complete and isolate the excavation	3.1 Clean loose material out of excavation using hand tools 3.2 Confirm excavation complies with specification and job requirements 3.3 Clear loose material away from edge of excavation
4. Conduct housekeeping activities	4.1 Clear work area and dispose of or recycle materials according to site requirements 4.2 Clean and maintain condition of equipment, confirm suitability for use, and address and report issues as required within scope of own role 4.3 Manage and report hazards, and maintain a safe working environment 4.4 Process records according to site requirements

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
Self-management	<ul style="list-style-type: none"> Monitors and minimises own exposure to worksite risks and hazards during work activities

Unit Mapping Information

Supersedes and is equivalent to RIICCM205E Carry out manual excavation.

Links

Companion Volume Implementation Guide is found on VETNet -

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