



Australian Government

Department of Education, Employment and Workplace Relations

RII31609 Certificate III in Trenchless Technology

Release: 2

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Modification History

Not applicable.

Description

This qualification reflects the role of a skilled operator working in trenchless technology in the civil construction industry, who applies a broad range of skills in a varied work context, using some discretion and judgement and relevant theoretical knowledge. The individual may provide theoretical advice and support a team.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

The following table includes a summary of the employability skills as identified by the resources and infrastructure industry for this qualification. The table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes required here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• speak clearly and directly • listen carefully to instructions and information • read and interpret work instructions and safety signs • calculate basic weights, distances and volumes • complete incident and maintenance reports • adjust communication style to meet the needs of people with diverse backgrounds
Teamwork	• apply teamwork in a range of situations, particularly in a safety context • contribute to the planning and execution of operations • work cooperatively with people of different ages, gender, race, religion or political persuasion and people with disability • recognise and respond sensitively to people from culturally and linguistically diverse backgrounds
Problem-solving	• adjust work methods in response to changing weather and site conditions • participate in team solutions to safety issues
Initiative and enterprise	• independently adapt to changing work conditions or different work areas • identify potential improvements to working practice and conditions • identify and assess risks in the workplace
Planning and organising	• manage time and priorities to complete work • identify and obtain appropriate equipment and permits • identify potential hazards and prepare appropriate responses • follow procedures and techniques relevant to the equipment and work being done
Self-management	• take responsibility for planning and organising own work priorities and completing assigned tasks • monitor own performance to ensure work will be completed well and on time • understand the standard of work expected at a work site
Learning	• be willing to learn new ways of working • seek information to improve performance from people and

	workplace documents like policies, procedures etc • understand equipment characteristics, technical capabilities, limitations and procedures
Technology	• use technology to monitor and report on work progress • use communications technology appropriate to the workplace (email, mobile, radio, etc) • operate equipment safely

Packaging Rules

Requirements for completion of the qualification

The following table provides the packaging rules for this qualification, followed by the list of relevant units of competency

Successful completion of twenty six (26) units of competency made up of:

- eighteen (18) Core units, and
- eight (8) elective units of which:
- at least five (5) must come from the Group A electives listed below including at least four (4) at Certificate III level, of which at least one (1) must be a trenchless technology (CTT) unit
- up to three (3) units may come from AQF level III from this, or any other, Training Package or accredited course.

Units of competency chosen must

- be relevant to the competency requirements for the job function
- reflect the competency profile for the occupation at the enterprise level
- in the case of accredited course units of competency, not duplicate in part or in whole any unit from a Training Package.

Care must be taken to ensure that all prerequisites specified within imported units, or units chosen as electives, are complied with.

Core units of competency	
<i>Unit code</i>	<i>Unit title</i>
RIIBEF201B	Plan and organise work
RIICCM201A	Carry out measurements and calculations
RIICCM202A	Identify, locate and protect underground services
RIICCM203A	Read and interpret plans and specifications
RIICCM205A	Carry out manual excavation
RIICCM206A	Support plant operations
RIICCM207A	Spread and compact materials manually
RIICCM208A	Carry out basic levelling
RIICCM210A	Install trench support
RIICOM201A	Communicate in the workplace
RIICRC203A	Install sub-soil drainage

RIIOHS201A	Work safely and follow OHS policies and procedures
RIIRIS201B	Conduct local risk control
RIISAM201A	Handle resources and infrastructure materials and safely dispose of non toxic materials
RIISAM203B	Use hand and power tools
RIISAM204B	Operate small plant and equipment
RIIWMG203A	Drain and dewater civil construction site
RIIWMG301A	Control construction site water table
Group A Electives	
<i>Unit code</i>	<i>Unit title</i>
NWP331B	Inspect conduit and report on condition and features
NWP440A	Supervise conduit inspection and reporting
RIICCM209A	Carry out concrete work
RIICCM301A	Construct and dismantle fences and gates
RIICPL301A	Install water mains pipelines
RIICPL302A	Install storm water systems
RIICPL303A	Install sewer pipelines
RIICPL304A	Intall pre-cast access chambers
RIICRC208A	Lay pipes
RIICTC301A	Install tunnelling constructions services
RIICTC302A	Line tunnel
RIICTC303A	Excavate tunnel by machine
RIICTC304A	Muck out tunnel earthworks
RIICTC305A	Construct portals
RIICTT301A	Conduct fluid assisted directional boring

RIICTT302A	Conduct impact moling, ramming and augering
RIICTT303A	Control micro tunnelling and pipe-jacking
RIICTT304A	Undertake on-line replacement for existing pipeline systems
RIICTT305A	Undertake localised repair and sealing of existing pipeline systems
RIICTT306A	Install cure in-place linings for existing pipeline systems
RIICTT307A	Spray linings for existing pipeline systems
RIICTT308A	Install close-fit linings for existing pipeline systems
RIICTT309A	Install slip lining in existing pipeline systems
RIICTT310A	Renovate large diameter pipes and chambers
RIIHAN208A	Perform dogging
RIIHAN211A	Conduct basic scaffolding operations
RIIHAN301B	Operate elevating work platform
RIIHAN307A	Operate a vehicle loading crane
RIIIMG301A	Maintain site records
RIIMPO319A	Conduct backhoe/loader operations
RIIMPO320B	Conduct civil construction excavator operations
RIIOGF302A	Operate drilling fluids and mud pits
RIIOGN303A	Operate mud systems
RIIOHS202A	Enter and work in confined spaces
RIIOHS205A	Control traffic with stop-slow bat
RIISAM205A	Cut, weld and bend materials