![Australian Government]

RIICCM302 Track directional boring operations

Release: 1

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Modification History

Not applicable.

Application

This unit describes the skills and knowledge required to track directional boring operations in civil construction and drilling.

It applies to those working in operational roles in civil construction and drilling. They generally work under supervision and hold some responsibility for tracking directional boring operations.

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

Unit Sector

Civil construction

Drilling

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Prepare for work	1.1 Obtain, interpret, and confirm work requirements
	1.2 Access, interpret and apply documentation required for tracking directional boring and confirm work activity is compliant
	1.3 Identify hazards and environmental issues, assess the risks and implement control measures in line with workplace policies
	1.4 Identify, obtain and implement traffic management signage requirements
	1.5 Select equipment and tools required for work activities and check for faults and report or rectify within scope of own role
	1.6 Select and wear personal protective equipment required for work activities
	1.7 Complete induction procedures as required by workplace policies and procedures and job role requirements

ELEMENT	PERFORMANCE CRITERIA
	1.8 Identify and apply environmental protection requirements
	1.9 Obtain and interpret emergency procedures and identify steps in case of fire, accident and other emergencies
2. Complete on-site preparation	2.1 Determine location, alignment direction, level and grade of services and/or utilities from plans and location details
	2.2 Define work area, check exclusion zone, and prepare worksite to comply with job and safety requirements
	2.3 Inspect and assemble tracking equipment and confirm sonde in drill head is emitting location
	2.4 Complete pre-operational procedures with driller operator as required
	2.5 Establish communication processes between operators and confirm correct positioning of personnel
	2.6 Use visual and physical means to inspect site for services and/or utilities prior to construction
	2.7 Determine and mark out drill pathway according to underground services requirements
	2.8 Mark drill path and head placement according to job requirements
3. Complete tracking for directional boring	3.1 Advise of locations for potholing and non-destructive excavation to expose underground services as required
	3.2 Track sonde and guide driller according to underground services requirements and work plan
	3.3 Use operational radio communication to communicate with driller and other personnel as required
	3.4 Monitor direction and depth of bore hole in relation to services and communicate driller to emergency stop and adjust as required
	3.5 Complete tracking and set up for fall back
	3.6 Record and report to asset owners and supervisory staff any damage to services and utilities during activity
4. Complete job	4.1 Clear work area and dispose of and recycle materials as required
	4.2 Advise job owner and contact person of job completion and report any issues and incidents as required
	4.3 Clean and perform maintenance on equipment, confirm stability for use and report issues as required or address within scope of own role
	4.4 Finalise and process written records according to workplace procedures

PwC's Skills for Australia

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
Reading	• Identifies and interprets information from at times complex workplace procedures, documentation, legislation and regulations
Writing	• Records simple and routine information relating to work activities

Unit Mapping Information

New unit

Links

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

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