



Australian Government

RIICTT304E Undertake on-line replacement for existing pipeline systems

Release: 1

RIICTT304E Undertake on-line replacement for existing pipeline systems

Modification History

This unit replaces RIICTT304D Undertake on-line replacement for existing pipeline systems. Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

Application

This unit develops the skills and knowledge required to undertake on-line replacement for existing pipeline systems in civil construction.

It applies to those working in operational roles. They generally work under supervision and hold some responsibility over undertaking on-line replacement for existing pipeline systems.

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

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. Prepare for on-line replacement for existing pipeline systems	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply documentation for on-line replacement for existing pipeline systems and confirm work activity is compliant 1.3 Identify environmental issues and potential hazards, and assess and address risks within scope of own role and according to workplace procedures 1.4 Select and wear personal protective equipment required for work activities 1.5 Complete induction procedures as required by workplace policies and procedures and job role requirements 1.6 Identify, obtain and implement signage requirements from the project traffic management plan

ELEMENT	PERFORMANCE CRITERIA
	1.7 Identify and select plant, tools and equipment required for task, check for serviceability and rectify and report any faults as required
2. Survey site	2.1 Notify and obtain approval from property owners and occupiers for entry onto their property 2.2 Determine site conditions by visual inspection, plans, discussion with land owners and information from service utilities 2.3 Locate underground utilities according to job and workplace requirements 2.4 Record existing site conditions according to job and workplace requirements
3. Initiate rehabilitation work	3.1 Prepare entry and exit pits where specified 3.2 Identify, interpret and apply required confined space entry procedures 3.3 Monitor process and confirm conformity to the design requirements 3.4 Maintain system serviceability during rehabilitation works
4. Undertake on-line replacement	4.1 Determine fault with the aid of plans, drawings, CCTV recordings and other mechanisms as required 4.2 Select on-line replacement method required for fault 4.3 Remove existing pipeline structure designated for replacement 4.4 Pull new pipe structure into place 4.5 Install replacement components as required 4.6 Conduct curing process according to work requirements 4.7 Secure and seal termination at ends of process 4.8 Open junctions for inspection and operation 4.9 Monitor installation process and confirm finished product conforms to the design requirements
5. Clean up	5.1 Clear work area and dispose of, reuse and recycle materials as required 5.2 Clean, check, perform maintenance on and store plant, tools and equipment and report issues as required or address within scope of own role 5.3 Finalise and process written records according to workplace 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
Reading	<ul style="list-style-type: none">Identifies and interprets information from at times complex workplace procedures, documentation, legislation and regulations
Writing	<ul style="list-style-type: none">Records simple and routine information relating to work activities

Unit Mapping Information

Supersedes and is equivalent to RIICTT304D Undertake on-line replacement for existing pipeline systems.

Links

Companion Volume implementation guides are found in VETNet -

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