



**Australian Government**

# **RIICTT304D Undertake on-line replacement for existing pipeline systems**

**Release: 1**

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## **Modification History**

Not applicable.

## **Application**

This unit develops a participant's skills and knowledge required to undertake on-line replacement for existing pipeline systems in Civil Construction.

This unit is appropriate for those working in operational roles.

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

## **Unit Sector**

Civil construction

## Elements and Performance Criteria

<p>1. Plan and prepare to undertake on-line replacement for existing pipeline systems</p>	<p>1.1 Access, interpret and apply on-line replacement for existing pipeline systems documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential risks, hazards and environmental issues and implement control measures</p> <p>1.4 Select and wear personal protective equipment appropriate for work activities</p> <p>1.5 Identify, obtain and implement signage requirements from the project traffic management plan</p> <p>1.6 Identify and select plant, tools and equipment, check for serviceability and rectify or report any faults</p>
<p>2. Perform site survey</p>	<p>2.1 Notify and obtain approval from property owners and occupiers for entry onto their property</p> <p>2.2 Determine site conditions by visual inspection, plans, discussion with land owners and information from service utilities</p> <p>2.3 Locate underground utilities</p> <p>2.4 Maintain system serviceability during rehabilitation works</p> <p>2.5 Survey and record existing site conditions</p>
<p>3. Initiate rehabilitation work</p>	<p>3.1 Prepare entry and exit pits where specified</p> <p>3.2 Identify, interpret and apply confined space entry procedures</p> <p>3.3 Monitor installation process and finished product to ensure conformity to the design requirements</p>
<p>4. Undertake on-line replacement</p>	<p>4.1 Determine fault with the aid of plans, drawings, CCTV recordings or other mechanisms</p> <p>4.2 Select on-line replacement method appropriate to the fault</p> <p>4.3 Remove existing pipeline structure designated for replacement</p> <p>4.4 Pull into place new pipe structure</p> <p>4.5 Install replacement components</p> <p>4.6 Conduct curing process</p> <p>4.7 Correctly secure and seal termination at ends of process</p> <p>4.8 Open junctions for inspection and operation</p> <p>4.9 Monitor installation process and finished product to ensure conformity to the design requirements</p>

5. Clean up	5.1 Clear work area and dispose of, reuse or recycle materials
	5.2 Clean, check, maintain and store plant, tools and equipment

## 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

RIICTT304A Undertake on-line replacement for existing pipeline systems

## Links

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>