



**Australian Government**

**Assessment Requirements for RIICPL401D  
Apply the principles for the installation of  
underground service using open excavation**

**Release: 1**

## **Assessment Requirements for RIICPL401D Apply the principles for the installation of underground service using open excavation**

### **Modification History**

Not applicable.

## Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies relevant legislation, documentation, policies and procedures
- implements appropriate procedures and techniques for the safe, effective and efficient supervision of installation of underground service using open excavation tasks including:
  - identifying and interpreting relevant information and data
- calculating quantities for the execution of tasks, including:
  - volumes
  - grades
  - percentages
  - areas
  - resource consumption figures, including required supply rates
- works effectively with others to plan, prepare and conduct for the installation of underground service using open excavation tasks including:
  - providing clear and timely instruction and supervision using a range of communication techniques to those involved
  - preparing for and conducting briefings, toolbox and site meeting
  - maintaining clear and legible written records and reporting systems
- demonstrates consistent, clear and timely application of the principles for the installation of underground service using open excavation tasks, that safely, effectively and efficiently meet all of the required outcomes on a minimum of one (1) occasion including:
  - supervising others in the installation of underground service using open excavation tasks
  - organising availability of necessary resources
  - monitoring required outcomes and identifying performance gaps
  - recommending changes to improve the execution of tasks
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## Knowledge Evidence

The candidate must demonstrate knowledge in applying the principles for the installation of underground service using open excavation through:

- applying organisation, site requirements and procedures for:
  - risk assessment and management
  - statutory compliance
  - work health and safety
  - environmental management
  - shoring and slope management
  - quality management
  - work zone traffic management

- contract management
- managing open excavation underground service installation
- plant and equipment capabilities and application
- implementing plant, equipment and tools maintenance requirements and procedures
- assessing operational techniques
- assessing resource requirements and procedures
- scheduling tasks/activities
- scheduling materials delivery requirements and procedures
- implementing workplace relationship requirements and procedures
- managing client and site operational requirements
- identifying relationship between various areas of civil works
- using team leadership techniques
- using works planning techniques
- identifying engineering survey principles
- using estimating principles
- using civil works construction sequencing and terminology
- identifying related underground services and utilities
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## Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed using Resources and Infrastructure Industry sector specific policies, procedures, processes and operational manuals; and,
- an assessor must demonstrate the skills and knowledge of this unit through five (5) years' work experience in the Industry sector; and,
- where the assessor does not have current experience a co-assessment or partnership arrangement needs to exist between the qualified assessor and an Industry technical expert/ subject matter expert. The Industry technical expert/subject matter expert must hold the unit being assessed and be currently working in the sector with a minimum of two (2) years' of current work experience.
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## Links

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