



Australian Government

Department of Education, Employment and Workplace Relations

CPCPDR2016A Install prefabricated inspection openings and enclosures

Release: 1

CPCPDR2016A Install prefabricated inspection openings and enclosures

Modification History

Not Applicable

Unit Descriptor

Unit descriptor This unit of competency specifies the outcomes required to install prefabricated inspection openings and enclosures.

Application of the Unit

Application of the unit This unit of competency supports development of inspection access installation.

Site location for work application may be either domestic or commercial, and may be a new work site or an existing structure being renovated, extended, restored or maintained.

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units

CPCPCM2023A	Carry out OHS requirements
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Employability Skills Information

Employability skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for work.	1.1.Plans and specifications are obtained. 1.2.Safety (OHS) requirements associated with installing prefabricated inspection openings and enclosures, and workplace environmental requirements, are adhered to throughout the work. 1.3.Quality assurance requirements are identified and adhered to in accordance with workplace requirements. 1.4.Tasks are planned and sequenced in conjunction with others involved in or affected by the work. 1.5.Tools and equipment, including personal protective equipment, are selected and checked for serviceability. 1.6.Work area is prepared to support efficient installation of prefabricated inspection openings and enclosures.
2. Identify installation requirements.	2.1.Location of the installation is determined, in accordance with plans, specifications and site requirements. 2.2.Quantity and type of materials required are calculated from design drawings and specifications and comply with local authorities' requirements. 2.3.Quantity and type of materials required are calculated from plans, drawings and specifications. 2.4.Materials are ordered and checked for compliance with docket and order form, and for acceptable condition.
3. Install prefabricated inspection openings and enclosures.	3.1.Site and location of the excavation are marked in accordance with plans and specifications, ensuring existing services are not disturbed. 3.2.Site is excavated and prepared for installation in accordance with plans, specifications and regulatory authorities' requirements, with minimal damage to surrounding structures or the environment. 3.3.Prefabricated inspection opening and enclosure are installed in accordance with plans, specifications and regulatory authorities' requirements. 3.4.Sustainability principles and concepts are applied throughout the installation.
4. Clean up.	4.1.Work area is cleared and materials disposed of, reused or recycled in accordance with legislation, regulations, codes of practice and job specification.

ELEMENT**PERFORMANCE CRITERIA**

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- 4.2. Tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturer recommendations and workplace procedures.
- 4.3. **Information** is accessed and documentation completed in accordance with workplace and regulatory authorities' requirements.

Required Skills and Knowledge**REQUIRED SKILLS AND KNOWLEDGE**

This section describes the skills and knowledge required for this unit.

Required skills

Required skills for this unit are:

- communication skills to:
 - access information
 - complete workplace documentation
 - determine requirements
 - enable clear and direct communication, using questioning to identify and confirm requirements, share information, listen and understand
 - follow instructions
 - plan and sequence tasks with others
 - read and interpret:
 - drawings and specifications
 - documentation from a variety of sources
 - use language and concepts appropriate to cultural differences
 - use and interpret non-verbal communication, such as hand signals
- identifying and accurately reporting to appropriate personnel any faults in tools, equipment or materials
- installing a prefabricated inspection opening and enclosure in a drainage system, including the connection of inlet and outlet pipes
- numeracy skills to apply measurements and calculations
- organisational skills, including the ability to plan and set out work
- teamwork skills to work with others to action tasks and relate to people from a range of cultural and ethnic backgrounds and with varying physical and mental abilities
- technological skills to:

REQUIRED SKILLS AND KNOWLEDGE

- access and understand site-specific instructions in a variety of media
- use mobile communication technology.

Required knowledge

Required knowledge for this unit is:

- characteristics and the application of pipe fittings and fixture supports, including fixing and jointing techniques
- excavation processes and procedures
- job safety analysis (JSA) and safe work method statements (SWMS)
- levelling and alignment processes
- process of installing prefabricated inspection openings and enclosures
- relevant statutory and authority requirements related to the installation of prefabricated inspection openings and enclosures
- SI system of measurement
- sources of information and processes for calculating material requirements
- workplace and equipment safety requirements.

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

This unit of competency could be assessed in the workplace or a close simulation of the workplace environment providing that simulated or project-based assessment techniques fully replicate plumbing and services workplace conditions, materials, activities, responsibilities and procedures.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

A person who demonstrates competency in this unit must be able to provide evidence of:

- locating, interpreting and applying relevant information, Australian standards and specifications to set out, assemble, install and test prefabricated inspection openings and enclosures
- applying safety requirements throughout the work sequence, including electrical requirements and the use of personal protective clothing and equipment
- as a minimum the ability to, given the plans and specifications, install an approved prefabricated inspection opening or enclosure, including the connection of the inlet and outlet pipes, ensuring:
 - application of sustainability principles and concepts
 - correct identification of location, design and details of proposed installation
 - correct selection and use of appropriate processes, tools and equipment
 - completing all work to specification
 - compliance with regulations, standards and organisational quality procedures and processes
 - communicating and working effectively and safely with others.

Context of and specific

This competency is to be assessed using standard and authorised work practices, safety requirements

EVIDENCE GUIDE

resources for assessment

and environmental constraints.

Assessment of essential underpinning knowledge will usually be conducted in an off-site context.

Assessment is to comply with relevant regulatory or Australian standards' requirements.

Resource implications for assessment include:

- an induction procedure and requirement
- realistic tasks or simulated tasks covering the minimum task requirements
- relevant specifications and work instructions
- tools and equipment appropriate to applying safe work practices
- support materials appropriate to activity
- workplace instructions relating to safe working practices and addressing hazards and emergencies
- material safety data sheets
- research resources, including industry related systems information.

Reasonable adjustments for people with disabilities must be made to assessment processes where required. This could include access to modified equipment and other physical resources, and the provision of appropriate assessment support.

Method of assessment

Assessment methods must:

- satisfy the endorsed Assessment Guidelines of the Construction, Plumbing and Services Training Package
- include direct observation of tasks in real or simulated work conditions, with questioning to confirm the ability to consistently identify and correctly interpret the essential underpinning knowledge required for practical application
- reinforce the integration of employability skills with workplace tasks and job roles
- confirm that competency is verified and able to be transferred to other circumstances and environments.

Validity and sufficiency of evidence requires that:

- competency will need to be demonstrated over

EVIDENCE GUIDE

a period of time reflecting the scope of the role and the practical requirements of the workplace

- where the assessment is part of a structured learning experience the evidence collected must relate to a number of performances assessed at different points in time and separated by further learning and practice, with a decision on competency only taken at the point when the assessor has complete confidence in the person's demonstrated ability and applied knowledge
- all assessment that is part of a structured learning experience must include a combination of direct, indirect and supplementary evidence.

Assessment processes and techniques should as far as is practical take into account the language, literacy and numeracy capacity of the candidate in relation to the competency being assessed.

Supplementary evidence of competency may be obtained from relevant authenticated documentation from third parties, such as existing supervisors, team leaders or specialist training staff.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Safety (OHS) is to be in accordance with commonwealth, state and territory legislation and regulations and may include:

- handling of materials
- hazard control
- hazardous materials and substances
- personal protective clothing and equipment prescribed under legislation, regulations and workplace policies and practices
- safe operating procedures, including recognising

RANGE STATEMENT

and preventing hazards associated with:

- dangerous materials
- dirt mounds
- electricity
- other machines
- recently filled trenches
- surrounding structure and facilities
- traffic control
- trip hazards
- underground services
- use of tools, plant and equipment
- work site visitors and the public
- working in confined spaces
- working in proximity to others
- use of firefighting equipment
- use of first aid equipment
- workplace environment and safety.
- clean-up protection
- stormwater protection
- waste management.
- Environment Protection Authority (EPA)
- environment policy
- internal company quality assurance policy and risk management strategy
- International Standards Organisation
- site safety plan
- workplace operations and procedures.
- chain blocks
- forklifts
- hand and power tools
- hand excavation tools
- hand trolleys
- hoists and jacks
- levelling equipment
- lifting and load shifting equipment, which may also include mechanical excavation equipment
- measuring equipment
- rollers
- trench shoring equipment

Environmental requirements cover water quality management and may include:

Quality assurance requirements may include:

Tools and equipment may include:

RANGE STATEMENT

Materials may include:

- water testing equipment.
- concrete or polymer prefabricated inspection openings and enclosures
- other approved materials.

Sustainability principles and concepts:

- cover the social, economic and environmental use of resources to meet current and future needs
- may include:
 - appropriate component selection that has minimal environmental impact
 - efficient energy and water use
 - efficient use and recycling of material
 - correct handling of hazardous materials
 - disposal of waste material to ensure minimal environmental impact.

Information may include:

- charts and hand drawings
- diagrams or sketches
- instructions issued by authorised organisational or external personnel
- manufacturer specifications and instructions
- material safety data sheets (MSDS)
- memos
- organisation work specifications and requirements
- regulatory and legislative requirements, particularly those pertaining to:
 - building codes
 - OHS and environmental requirements
 - plumbing regulations
- relevant Australian standards
- safe work procedures relating to installing prefabricated inspection openings and enclosures
- signage
- verbal, written and graphical instructions
- work bulletins
- work schedules, plans and specifications.

Unit Sector(s)

Unit sector

Plumbing and services

Co-requisite units

Co-requisite units Nil

Functional area

Functional area