



**Australian Government**

# **CPC20712 Certificate II in Drainage**

**Release 2**

## CPC20712 Certificate II in Drainage

### Modification History

- Release 1      Revised qualification deemed not equivalent to CPC20711
- Qualification packaging amended - same number of core and elective units required, but changed core units:
- CPCPCM2050A moved from core to elective
  - CPCPDR3021A moved from elective to core
  - native CPC08 first aid unit (CPCPCM2011A) replaced with imported HLT07 unit (HLTFA211A)
- A number of core and elective units replaced with updated versions
- Release 2      This version released with CPC08 Construction and Property Services 9.9.
- The following unit was deleted as directed by the IRC June 2021.
- CPCPDR2023A Maintain effluent disinfection systems

### Description

This qualification provides an occupational outcome in draining.

Occupational titles may include:

- Drainer.

The qualification has core and elective units of competency that include units common to other qualifications in the plumbing industry, as well as specialist drainage units of competency.

The plumbing industry strongly affirms that training and assessment leading to recognition of skills must be undertaken in a real or very closely simulated workplace environment and this qualification requires all units of competency to be delivered in this context.

Completion of the general induction training program specified by the National Code of Practice for Induction Training for Construction Work (ASCC 2007) is required before entering a construction work site. Achievement of unit CPCCOHS1001A covers this requirement.

### Pathways Information

Not applicable.

## Licensing/Regulatory Information

Not applicable.

## Entry Requirements

Not applicable.

## Employability Skills Summary

| Employability skill  | Industry/enterprise requirements for this qualification include:   |
|----------------------|--|
| <b>Communication</b> | <ul style="list-style-type: none"> <li>• Communicates with clients, colleagues and others using effective and appropriate communication techniques, including:               <ul style="list-style-type: none"> <li>• Clear and direct communication</li> <li>• Active listening</li> <li>• Verbal and non-verbal language</li> <li>• Questioning to identify and confirm requirements</li> <li>• Language and concepts appropriate to cultural differences</li> </ul> </li> <li>• Follows instructions from supervisor and other relevant persons</li> <li>• Understands, interprets and applies information as required from:               <ul style="list-style-type: none"> <li>• Regulatory, legislative, licensing and organisational requirements</li> <li>• Environmental and OHS requirements, including material safety data sheets (MSDS)</li> <li>• Codes and standards</li> <li>• Plans, drawings and specifications</li> <li>• Schedules</li> <li>• Safety signs and symbols</li> <li>• Organisational policies and procedures</li> </ul> </li> <li>• Understands relevant definitions, terminology, symbols, abbreviations and language</li> <li>• Uses industry-accepted visual communications, including hand signals</li> <li>• Reports and records routine workplace and regulatory information</li> <li>• Applies measurements and calculations using appropriate equipment, formulas and records as required</li> <li>• Reports and records hazards and risks</li> </ul> |
| <b>Teamwork</b>      | <ul style="list-style-type: none"> <li>• Works as part of a team</li> <li>• Provides assistance and encouragement to other team members</li> <li>• Initiates and encourages improvements in team performance</li> <li>• Works with others to plan and sequence tasks</li> </ul>  |

| <b>Employability skill</b>       | <b>Industry/enterprise requirements for this qualification include:</b>  |
|----------------------------------|--|
|                                  | <ul style="list-style-type: none"> <li>• Identifies and utilises the strengths of other team members</li> <li>• Relates to people from diverse social, cultural and ethnic backgrounds and with varying physical and mental abilities</li> <li>• Participates in workplace meetings</li> </ul>   |
| <b>Problem solving</b>           | <ul style="list-style-type: none"> <li>• Responds effectively to hazards, risks, emergencies and first aid situations</li> <li>• Examines tools and equipment prior to use for damage, missing components or other defects</li> <li>• Identifies typical faults and problems and takes remedial actions and/or reports to supervisor</li> <li>• Rectifies simple faults with tools and equipment</li> <li>• Locates and clears plumbing blockages</li> </ul>   |
| <b>Initiative and enterprise</b> | <ul style="list-style-type: none"> <li>• Maximises use of resources by recycling, re-using or using appropriate disposal methods</li> <li>• Responds to change and workplace challenges</li> </ul>   |
| <b>Planning and organising</b>   | <ul style="list-style-type: none"> <li>• Prepares work area</li> <li>• Identifies and obtains necessary documentation</li> <li>• Collects, analyses and organises workplace information</li> <li>• Selects and uses appropriate materials, tools and equipment</li> <li>• Carries out site inspections</li> <li>• Determines material quantity requirements and conformity to requirements</li> <li>• Determines roof water storage requirements</li> <li>• Plans drainage system layouts</li> <li>• Prioritises and sequences tasks</li> <li>• Applies time management skills to ensure work is completed to time requirements</li> </ul> |
| <b>Self management</b>           | <ul style="list-style-type: none"> <li>• Recognises obligations and accepts responsibility for own work and safety</li> <li>• Recognises quality requirements and completes work to expected standard</li> <li>• Identifies personal career development needs and sets own and team work goals</li> <li>• Participates in workplace induction</li> <li>• Cleans up work area, including tools and equipment</li> </ul>   |

|                            |  |
|----------------------------|--|
| <b>Employability skill</b> | <b>Industry/enterprise requirements for this qualification include:</b>  |
|                            | <ul style="list-style-type: none"> <li>Seeks support to improve work performance</li> </ul>  |
| <b>Learning</b>            | <ul style="list-style-type: none"> <li>Identifies own learning needs and seeks skill development as required</li> <li>Is open to learning new ideas and techniques</li> <li>Participates in workplace induction</li> </ul>   |
| <b>Technology</b>          | <ul style="list-style-type: none"> <li>Installs, tests and maintains systems</li> <li>Uses electricity and electrical equipment safely</li> <li>Uses and operates a range of tools and equipment correctly and safely</li> <li>Identifies technological trends that may affect the plumbing and services sector</li> <li>Carries out pre- and post-operational checks on tools and equipment</li> <li>Performs tool and equipment maintenance as required</li> </ul> |

## Packaging Rules

To achieve this qualification, the candidate must demonstrate competency in:

- 22 units of competency:
  - 18 core units
  - 4 elective units.

Some units in this qualification may have prerequisite requirements, which must be met when packaging the qualification. Users are referred to the list of CPC08 units with prerequisite unit requirements available in this Training Package for this purpose.

### Core units

|             |   |
|-------------|---|
| CPCPCM2039A | Carry out interactive workplace communication |
| CPCPCM2040A | Read plans and calculate plumbing quantities  |

|             |  |
|-------------|--|
| CPCPCM2041A | Work effectively in the plumbing and services sector     |
| CPCPCM2043A | Carry out WHS requirements                               |
| CPCPCM2045A | Handle and store plumbing materials                      |
| CPCPCM2046A | Use plumbing hand and power tools                        |
| CPCPCM2047A | Carry out levelling                                      |
| CPCPCM2054A | Carry out simple concreting and rendering                |
| CPCPDR2021A | Locate and clear blockages                               |
| CPCPDR2022A | Install domestic treatment plants                        |
| CPCPDR2024A | Install stormwater and sub-soil drainage systems         |
| CPCPDR2025A | Drain work site  |
| CPCPDR2026A | Install prefabricated inspection openings and enclosures |
| CPCPDR3021A | Plan layout of a residential sanitary drainage system    |
| CPCPDR3022A | Install below ground sanitary drainage systems           |
| CPCPDR3023A | Install on-site disposal systems                         |
| HLTFA211A   | Provide basic emergency life support                     |
| RIICCM210A  | Install trench support                                   |

### Elective units

|             |   |
|-------------|---|
| CPCPCM2048A | Cut and join sheet metal                                      |
| CPCPCM2049A | Cut using oxy-LPG-acetylene equipment                         |
| CPCPCM2050A | Mark out materials  |
| CPCPCM2052A | Weld using oxy-acetylene equipment                            |
| CPCPCM2053A | Weld using manual metal arc welding equipment                 |
| CPCPCM3022A | Weld polyethylene and polypropylene pipes using fusion method |

|             |                                  |
|-------------|----------------------------------|
| CPCPRF2023A | Collect and store roof water     |
| CPCPSN3025A | Install pre-treatment facilities |
| CPCPWT3029A | Install water pipe systems       |

## Custom Content Section

Not applicable.