

Fact sheet

# Plumber

(General)

(ANZSCO: 334111)



## Job description

Plumbers layout, test and maintain pipes, fixtures, metal roofing, fittings, gas meters and regulators.

Their job involves:

- » preparing and/or studying plans and specifications to work out the layout of plumbing systems and materials needed
- » finding and marking positions for connections
- » cutting holes through walls and floors to accommodate pipes
- » measuring pipes and marking cutting or bending lines
- » cutting, threading and bending pipes, assembling and installing piping, valves and fittings, joining pipe sections and securing pipes
- » testing lines as required by local plumbing regulations
- » installing equipment such as boilers, pumps, heating and cooling systems, gas appliances, water tanks, water heaters, solar water heating systems, and fixtures such as toilets, wash basins and industrial processing units
- » maintaining and repairing plumbing systems

The qualification relevant to this job is [CPC32413 Certificate III in Plumbing](#).

## How will I be assessed?

### Stage 1:

We will review your training and employment evidence to ensure you have:

- » 6 years' employment experience as a Plumber (with no formal training) **OR**
- » 4 years' employment experience as a Plumber (with relevant formal training\*).

\*'Formal training' is training that aligns with the national training standards in your country of training.

Your evidence must show you have worked in your occupation for at least 12 months within the last 3 years.

[For more information on the documents required for Stage 1, see the Evidence Guide on our website.](#)

### Stage 2:

If you are successful in Stage 1, an assessor will assess you via a Practical Assessment and a Technical Interview.

These assessments are conducted on the same day. The assessments will be conducted in English and no interpreters are allowed.

[For more information on Stage 2, see the Practical Assessment / Technical Interview Guide on our website.](#)

## What skills and knowledge do I need?

To be awarded an Offshore Technical Skills Record, you must demonstrate your skill and knowledge in a selection of the following **units of competency**. Each unit of competency defines a selection of knowledge and skill required in Australian workplaces.

You must demonstrate competency in **43 units** (organised into 4 groups), and demonstrate competency in **1 group of elective units**.

### COMMON UNITS

- » CPCPCM2039A Carry out interactive workplace communication
- » CPCPCM2040A Read plans and calculate plumbing quantities
- » CPCPCM2041A Work effectively in the plumbing and services sector
- » HLTAID002 Provide basic emergency life support (**NOTE:** A candidate will not be competent in this unit until a First Aid Certificate has been provided to VETASSESS.)
- » CPCPCM2043A Carry out WHS requirements
- » CPCPCM2045A Handle and store plumbing materials
- » CPCPCM2046A Use plumbing hand and power tools
- » CPCPCM2047A Carry out levelling
- » CPCPCM2048A Cut and join sheet metal
- » CPCPCM2050A Mark out materials
- » CPCPCM2052A Weld using oxy-acetylene equipment
- » CPCPCM2053A Weld using manual metal arc welding equipment
- » CPCPCM2049A Cut using oxy-LPG-acetylene equipment
- » CPCPCM3022A Weld polyethylene and polypropylene pipes using fusion method
- » CPCPCM2054A Carry out simple concreting and rendering
- » CPCPCM2055A Work safely on roofs
- » CPCPCM3021A Flash penetrations through roofs and walls
- » CPCPCM3023A Fabricate and install non-ferrous pressure piping
- » CPCPFS3031A Fabricate and install fire hydrant and hose reel systems

### WATER

- » CPCPWT3020A Connect and install storage tanks to a domestic water supply
- » CPCPWT3021A Set out and install water services
- » CPCPWT3022A Install and adjust water service controls and devices
- » CPCPWT3023A Install and commission water heating systems
- » CPCPWT3024A Install and maintain domestic water treatment equipment
- » CPCPWT3025A Install water pump sets
- » CPCPWT3026A Fit off and commission heated and cold water services
- » CPCPWT3027A Connect irrigation systems from drinking water supply
- » CPCPWT3028A Install water service
- » CPCPWT3029A Install water pipe systems

### SANITARY

- » CPCPSN3011B Plan layout of residential sanitary plumbing system
- » CPCPSN3022A Install discharge pipes
- » CPCPSN3023A Fabricate and install sanitary stacks
- » CPCPSN3024A Install and fit off sanitary fixtures
- » CPCPSN3025A Install pre-treatment facilities

### DRAINAGE

- » 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
- » RIICCM210D Install trench support

## ELECTIVES

You must demonstrate skills, knowledge and experience in **ONE** of the following two elective groups.

### ROOFING

- » CPCPRF2022A Select and install roof sheeting and wall cladding
- » CPCPRF2023A Collect and store roof water
- » CPCPRF2024A Fabricate roof coverings for curved structures
- » CPCPRF3021A Receive roofing materials
- » CPCPRF3022A Fabricate and install roof drainage components
- » CPCPRF3023A Fabricate and install external flashings
- » CPCPRF3024A Install roof components
- » CPCPRF3025A Install roof coverings to curved roof structures
- » CPCPRF3026A Install composite roof systems

### GAS SERVICES

- » CPCPGS3046A Install LPG systems in caravans, mobile homes and mobile workplaces\*
- » CPCPGS3047A Install LPG systems in marine craft
- » CPCPGS3048A Install gas pressure control equipment
- » CPCPGS3049A Install Type A gas appliance flues
- » CPCPGS3051A Purge consumer piping
- » CPCPGS3053A Disconnect and reconnect Type A gas appliances
- » CPCPGS3054A Calculate and install natural ventilation for Type A gas appliances
- » CPCPGS3056A Install gas piping systems
- » CPCPGS3057A Size consumer gas piping systems
- » CPCPGS3059A Install LPG storage of aggregate storage capacity up to 500 litres
- » CPCPGS3060A Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8 KL
- » CPCPGS3055A Install gas sub-meters
- » CPCPGS3050A Install Type B gas appliance flues
- » CPCPGS3052A Maintain Type A gas appliances
- » CPCPGS3061A Install and commission Type A gas appliances

## How do I find out more about each unit of competency?

You are **strongly encouraged** to review each of the units of competency shown above. To do this:

1. Go to the following website: <http://training.gov.au/Search/Training>
2. Enter a unit code (e.g. CPCPCM2039A) into the 'Title or code' search box
3. Tick the 'Units of competency' check box
4. Select the 'Search' button
5. Select the unit from the search results
6. Read the Unit of Competency information



## What will I receive after the assessment?

If you **successfully** complete Stage 2 you will receive:

- » an Offshore Technical Skills Record (OTSR) that lists the units of competency in which you have been assessed as having successfully demonstrated the required technical skills
- » a migration outcome letter if the assessment is to support your visa application.

If you are **unsuccessful** in Stage 2 you will be receive:

- » an Unsuccessful Assessment Outcome letter that lists the units of competency for which you demonstrated equivalent technical skills and those that were not achieved.

## What is an OTSR?

The OTSR is a form of skills documentation that VETASSESS issues to individuals who successfully complete the practical skills assessment in CPC32413 Certificate III in Plumbing. The OTSR lists the technical skills demonstrated in the practical assessment and any gaps in the Australian skills or knowledge component which need to be bridged to meet the full standard, for example the Australian Wiring Rules for electrical trades.

The regulators for the Australian Plumbing Industry have agreed to provide a provisional (restricted) license against the OTSR to allow applicants to work in Australia, while they complete the 'Australian knowledge' gap training element of each unit.

The OTSR entitles the holder to obtain 'provisional' licensing or registration subject to other non-skills requirements. To obtain a full licence, work experience in Australia and completion of the required Australian minimum content gap training is required.

A 'registered' or 'licensed' plumber means an individual who is licensed to undertake unsupervised plumbing work in a particular Australian state. A registered' or 'licensed' plumber selects, assembles, constructs, installs, tests, maintains, repairs, alters, removes, or replaces plumbing systems, equipment and/or fixtures. It may include supervision or inspection of plumbing work.

## Licensing and industry information

A licence, registration or certification may be required for this occupation.

For further information regarding any licensing requirements refer to mutual recognition for occupational licences in Australia: [www.licencerecognition.gov.au](http://www.licencerecognition.gov.au)

Additional industry information that may assist you can be found at the myfuture website - Australia's national career information and exploration service, helping people to make career decisions, plan career pathways and manage work transitions: <http://www.myfuture.edu.au>

## Where can I find more information?

Please refer to our website: <http://www.vetassess.com.au/skills-assessment-for-migration/trade-occupations>

If you have further questions, contact us at:

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