

# Unit of Competency CPCPGS3046

## Install LPG systems in caravans, mobile homes and mobile workplaces

### Application

This unit specifies the skills and knowledge required to install and commission liquefied petroleum gas (LPG) systems in caravans, mobile homes and mobile workplaces.

It includes identifying LPG system requirements, installing of LPG system including flue and ventilation, and testing and commissioning LPG systems.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

### Prerequisite Unit

CPCPCM2043 Carry out WHS requirements.

### Elements and Performance Criteria

1. Identify LPG system requirements.	<ul style="list-style-type: none"><li>1.1 Access, read and determine LPG system installation requirements from relevant job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements.</li><li>1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements.</li></ul>
2. Prepare for work.	<ul style="list-style-type: none"><li>2.1 Create a materials list and collect materials.</li><li>2.2 Select appropriate tools and equipment including personal protective equipment (PPE).</li><li>2.3 Calculate pipe sizing and ventilation requirements.</li></ul>
3. Install, test and commission LPG system, including flue and ventilation.	<ul style="list-style-type: none"><li>3.1 Perform installation of cylinders, regulators, associated pipework, appliances and ventilation, complying relevant job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements.</li><li>3.2 Select appropriate equipment to conduct testing.</li><li>3.3 Perform test and commission system according to relevant job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements.</li><li>3.4 Affix compliance plates and signage according relevant job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements.</li><li>3.5 Complete documentation according to regulatory requirements and/or workplace procedures.</li></ul>
4. Clean up.	<ul style="list-style-type: none"><li>4.1 Clear the work area, and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures.</li><li>4.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure.</li></ul>

## Foundation skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Unit Mapping Information

Supersedes and is equivalent to CPCPGS3046A Install LPG systems in caravans, mobile homes and mobile workplaces.

## Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

# Assessment Requirements for CPCPGS3046

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### Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- installing, testing and commissioning a liquefied petroleum gas (LPG) system, including two type A gas appliances, in either a caravan, mobile home or mobile workplace.

### Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- pipe sizing and ventilation requirements
- installation requirements for ventilation, appliances, LPG cylinder, regulators, piping materials and jointing techniques
- how to access relevant information, including job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements.
- tools and equipment used for the installation and commissioning of LPG systems in caravans, mobile homes and mobile workplaces
- work health and safety (WHS) requirements for the installation and commissioning of LPG systems in caravans, mobile homes and mobile workplaces
- properties of gas, gas safety, combustion principles, pressure and flow rates.

### Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

### Links

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<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>