

# Unit of Competency CPCPMS3037

## Install and commission a single head split system air conditioning

### Application

This unit specifies the skills and knowledge required to install and commission a single head split system air conditioning.

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 installation requirements.	<p>1.1 Access, read and determine a single head split system air conditioning installation and commissioning requirements from relevant plans, job specifications, relevant Australian Standards, codes, manufacturer's specifications and jurisdictional requirements.</p> <p>1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements.</p>
2. Prepare for work.	<p>2.1 Create a materials list and collect materials.</p> <p>2.2 Select and check serviceability of appropriate tools, equipment and personal protective equipment (PPE).</p>
3. Install and test system.	<p>3.1 Set out and install indoor and outdoor unit according to drawings and job and manufacturer's specifications.</p> <p>3.2 Set out pipework and connection points according to drawings and job and manufacturer's specifications.</p> <p>3.3 Perform testing of installed pipework.</p> <p>3.4 Remove moisture from pipework.</p> <p>3.5 Charge pipework.</p> <p>3.6 Perform installation of condensate drain.</p> <p>3.7 Perform installation of insulation and casing.</p> <p>3.8 Perform testing of operation of unit according to relevant standards and manufacturer's specifications.</p>
4. Clean up.	<p>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.</p> <p>4.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure.</p>

### 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 CPCPMS3037A Install and test split system air conditioning.

## Links

Companion Volume Implementation Guide:

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

# Assessment Requirements for CPCPMS3037 Install and

# commission a single head split system air conditioning

## Performance Evidence

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

- installing, testing and commissioning a single-head split system air conditioner.

## Knowledge Evidence

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

- electrical safety requirements
- operating principles of air conditioning and refrigeration systems
- processes of installing, testing and commissioning split air conditioning systems
- types of information on split system air conditioning systems, including types of refrigerant gases and their characteristics
- how to access relevant information, including codes and standards
- tools, materials and equipment used to install and commission a single head split system air conditioning
- work health and safety (WHS) requirements to install and commission a single head split system air conditioning.

## 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.

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