



Australian Government

**Assessment Requirements for
CPCPCM2052 Weld mild steel using
oxy-acetylene equipment**

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCPCM2052A Weld using oxy-acetylene equipment. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

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

- using oxy-acetylene welding equipment to weld the following:
 - a flat butt weld up to 6 mm mild steel plate, 150 mm long
 - a vertical butt weld up to 6 mm mild steel plate, 150 mm long
 - a rotated butt weld around up to DN100 mild steel pipe located in a horizontal position and rotated during welding.

Knowledge Evidence

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

- the dangers associated with oxy-acetylene welding in the fabrication and installation of plumbing systems
- the properties of materials and the effect of heat on properties of metal
- the set-up and operating principles of oxy-acetylene welding equipment
- types of gases used for welding mild steel
- hot work permit
- uses and characteristics of mild steel in the plumbing and services industry
- how to access relevant information, including codes and standards
- tools, materials and equipment used to weld mild steel using oxy-acetylene equipment
- work health and safety (WHS) requirements for welding mild steel using oxy-acetylene equipment.

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

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>