



Australian Government

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.

Application

This unit specifies the skills and knowledge required to weld metals associated with the fabrication, installation and repair of plumbing components and systems using oxy-acetylene equipment.

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

Pre-requisite Unit

CPCPCM2043 Carry out WHS requirements

Unit Sector

Plumbing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Identify welding requirements. | 1.1 Access, read and determine welding requirements from relevant job plans and specifications, codes, Australian standards, manufacturer's specifications and jurisdictional requirements. |
| | 1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements. |
| 2 Prepare for work. | 2.1 Create a materials list and collect materials. |

- 2.2 Select and check the serviceability of appropriate tools and equipment including personal protective equipment (PPE).
- 3 Prepare materials and welding equipment.
 - 3.1 Clean and prepare material using appropriate tools and techniques according to workplace procedures.
 - 3.2 Prepare work area to support efficient welding with oxy-acetylene equipment.
 - 3.3 Assemble and set up welding equipment, including cylinders and regulators, according to workplace procedures.
 - 3.4 Select welding tips, settings and consumables to meet job requirements and welding procedures according to workplace procedures.
- 4 Perform welding.
 - 4.1 Weld materials to job requirements using safe welding practices.
 - 4.2 Take appropriate action to report or remedy defects in materials or welding equipment, including adjustments to settings and welding technique.
 - 4.3 Clean welds according to workplace requirements.
 - 4.4 Access information and complete documentation according to workplace requirements.
- 5 Clean up.
 - 5.1 Clear the work area, and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures.
 - 5.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure.

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 CPCPCM2052A Weld using oxy-acetylene equipment.

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>