



Australian Government

Assessment Requirements for CPCPCM2049 Cut using oxy-acetylene equipment

Release: 2

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Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
- Minor title change. Changes to Elements and Performance Criteria 2.3 and 3.1.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPCM2049A Cut using oxy-LPG-acetylene equipment. Amended title. 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:

- marking out and cutting the following materials from relevant job plans and specifications, using hand-held oxy-acetylene cutting equipment:
 - cut 150 mm x 150 mm mild steel plate (up to 8 mm thick) into three equal pieces
 - cut (up to 8 mm thick) mild steel disc to fit a DN40 to DN100 diameter mild steel pipe
 - cut three holes to fit up to DN50 branch pipes into a length of up to DN100 diameter mild steel pipe.

Knowledge Evidence

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

- the safe and operating principles of oxy-acetylene equipment
- the potential fumes and health and safety risks from high temperatures on materials
- the properties of materials and the effect of heat on the properties of metal
- hot work permit
- types of gases used for cutting mild steel
- how to access relevant information from relevant job plans and specifications, codes, Australian Standards, manufacturer's specifications and jurisdictional requirements
- tools, materials and equipment to cut mild steel using oxy-acetylene equipment
- work health and safety (WHS) requirements for cutting 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>