Australian Government

Assessment Requirements for CPCPCM2053 Weld using metal arc welding equipment

Release: 2

Assessment Requirements for CPCPCM2053 Weld using metal arc welding equipment

Modification History

Release 2   This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.

Performance Evidence formatted for clarity.

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

Supersedes and is equivalent CPCPCM2053A Weld using manual metal arc welding 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 manual metal arc welding equipment to:
    * weld butt joint in mild steel plate up to 8 mm, 150 mm long
    * fillet weld mild steel plate up to 8 mm, 150 mm long
    * pad weld mild steel plate up to 8 mm, 150 mm long.

Knowledge Evidence

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

* dangers associated with manual metal arc welding plumbing components
* the properties of materials and the effect of heat on properties of metal operating principles of manual metal arc welding equipment
* defects associated with manual metal arc welding
* hot work permit
* use and characteristics of materials:
    * electrodes
    * mild steel plates
* how to access relevant information, including codes and standards
* tools, materials and equipment used to weld using metal arc welding equipment
* work health and safety (WHS) requirements for welding using metal arc welding 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