



Australian Government

Assessment Requirements for CPCPCM3023 Fabricate and install non-ferrous pressure piping

Release: 3

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Modification History

- Release 3 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.5.
Amended Performance Criteria 3.2.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Changes to Element and Performance Criteria 2.2 and 3.5.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCPCM3023A Fabricate and install non-ferrous pressure piping. 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:

- fabricating, installing and testing a DN20 copper line from a supply point to three fixed outlets, supported and clipped according to relevant job plans and specification, codes, Australian Standards, manufacturer's specifications and jurisdictional requirements with a minimum:
 - one 15 mm mechanical bend
 - one 20 mm mechanical bend
 - one 15 mm spring bend
 - one 20 mm spring bend
 - one 15 mm capillary elbow
 - one 20 mm capillary elbow
 - one expanded silver brazed joint
 - one silver brazed copper to brass joint
 - two branch formed silver brazed joints
 - one mechanical flared joint
 - branches connecting at least two other non-ferrous materials, ensuring branches and bends are square.

Knowledge Evidence

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

- fabrication, installation and testing process for non-ferrous pressure pipe systems
- relevant statutory authorities' requirements and standards related to fabricating, installing and testing non-ferrous pressure pipe systems
- effect of heat and other products on the properties of polymer pipe
- types of non-ferrous materials, including joining techniques
- hot works permit
- how to access relevant information, including codes and standards
- tools, materials and brazing equipment used to fabricate and install non-ferrous pressure piping
- work health and safety (WHS) requirements to fabricate and install non-ferrous pressure piping.

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>