



Australian Government

Assessment Requirements for CPCPRF2024 Fabricate roof coverings for curved structures

Release: 2

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Modification History

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

Typographical error corrected in Element and Performance Criteria 3.4. |
| Release 1 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCPRF2024A Fabricate roof coverings for curved structures. 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:

- designing and fabricating the curved roof coverings of a bull nosed verandah incorporating one internal and one external angle.

Knowledge Evidence

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

- capillary action, thermal expansion and fabrication techniques to prevent leaking installations
- characteristics of various metals and finishes
- uses and limitations of materials:
 - drawing materials
 - manufacturer catalogues and specifications
 - metal roof sheeting of concealed or fixed type and accessories
- design concepts and performance measures for curved roof covering including
- electrolysis and problems associated with the use of dissimilar metals
- job safety environmental analysis (JSEA) and safe work method statements (SWMSs)
- processes of designing and fabricating curved roof coverings:
 - barrel shaped
 - concave
 - convex
 - hyperbolic

- paraboloid
- processes for accessing information relevant to designing and fabricating roof coverings:
 - charts and hand drawings
 - instructions issued by authorised organisational or external personnel
 - manufacturer specifications and instructions
 - safety data sheets (SDSs)
 - memos
 - organisation work specifications and requirements
 - plans and sketches
 - regulatory and legislative requirements, particularly those pertaining to:
 - building codes
 - WHS and environmental requirements
 - plumbing regulations
 - relevant Australian standards
 - safe work procedures relating to the design, and fabrication of coverings for curved roofs
 - signage
 - verbal, written and graphical instructions
 - work bulletins
 - work schedules, plans and specifications.
- different types of tools and equipment, their application and method of operation:
 - drafting equipment
 - hand and power tools
 - lifting and load shifting equipment
 - machinery for shaping the roof material
 - measuring equipment
- processes for reporting faults according to company's workplace procedures this includes both written and verbal
- statutory and regulatory authorities:
 - Commonwealth government
 - state or territory governments
 - local authorities
- SI system of measurements
 - safe work practices associated with designing and fabricating roof coverings for curved structures:
 - handling of materials
 - hazard control
 - personal protective clothing and equipment prescribed under legislation, regulations and workplace policies and practices
 - recognising and preventing hazards associated with:

- electricity
- hazardous materials and substances
- service lines
- surrounding structures and facilities
- trip hazards
- use of tools and equipment
- work site visitors and the public
- working at heights
- working in proximity to others
- use of firefighting equipment
- use of first aid equipment
- workplace environment and safety
- environmental requirements and sustainability principles and concepts:
 - clean-up protection
 - stormwater protection
 - waste management
 - efficient energy
 - efficient use and recycling of material
 - disposing of waste material to ensure minimal environmental impact
 - selecting appropriate components to ensure minimal environmental impact.
- quality assurance requirements:
 - Environment Protection Authority (EPA)
 - internal company quality assurance policy and risk management strategy
 - International Standards Organisation (ISO)
 - site safety plan
 - workplace operations and procedures.

Assessment Conditions

Assessors must meet the requirements for assessors contained 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>