



Australian Government

Assessment Requirements for CPCPFS3037 Install residential life safety sprinkler systems

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 6.5.

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

Supersedes and is equivalent to CPCPFS3037A Install domestic and residential life safety sprinkler systems. 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:

- given the floor plan of a residential building of at least five (5) rooms correctly locating the sprinkler heads according to relevant job plans and specifications, codes, Australian Standards, manufacturer's specifications and jurisdictional requirements
- installing and testing a residential life safety sprinkler system in Class 2 and 3 buildings not more than 25 metres in effective height with a rise up to 4 storeys, using plans and specifications, incorporating fit off to:
 - one sprinkler head in steel pipe
 - one sprinkler head in chlorinated polyvinyl chloride (CPVC) piping
 - one sprinkler head in copper pipe
- These must include:
 - water supply
 - piping and pipe supports
 - control valves assembly
 - actuating devices
 - alarms
 - three sprinkler heads
 - remote test point.

Knowledge Evidence

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

- legislation, regulations, codes and standards relating to installing fire sprinkler system
- workplace and safety requirements
- sustainability concepts and principles and environmental requirements relating to water and resource usage
- processes, procedure and techniques of:
 - installation and testing of residential fire sprinkler systems
 - applying fire ratings
 - hydraulic testing
 - pipe jointing including humps, Teflon tape and CPVC solvent
 - roll grooving
 - brazing
 - press fits (copper)
- functional and operational features of tools and equipment used to install life safety fire sprinkler systems
- structural systems, building materials and building services of buildings and structures that require life safety fire sprinkler systems
- operation and function of the following components:
 - residential sprinkler heads
 - flow switches
 - check valves
 - remote test points
 - concealed space sprinkler heads
 - waste, test and drain valves
 - pipe supports
- characteristics, application and limitations of materials, including:
 - steel and CPVC pipe used in residential sprinkler systems
 - manufacturers' specifications and their purpose in fire sprinkler system installation
 - how to access relevant information, including job plans and specifications, codes, Australian Standards, manufacturer's specifications and jurisdictional requirements.
 - tools, materials and equipment used for installing residential life safety sprinkler systems
 - work health and safety (WHS) requirements for installing residential life safety sprinkler systems
 - installation requirements for residential life safety sprinkler systems.

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>