



Australian Government

Assessment Requirements for CPCPFS3045 Fit off sprinkler heads, controls and ancillary equipment

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 9.0.

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

Supersedes and is equivalent to CPCPFS3045A Fit off sprinkler heads, controls and ancillary 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:

- installing sprinkler heads, controls, and ancillary equipment in both a new and existing system including:
 - three different sprinkler heads with three different escutcheon assemblies: two hard piped drop; one flexible tube assembly, installed and branched according to manufacturer's specifications
 - a mechanical flow switch, incorporating a test arrangement
 - two pressure switches, one pressure switch used for rising pressure alarm and one used for a fall in pressure loop
- producing a plan containing four sprinkler heads spaced according to Ordinary Hazard III
- rectifying a tenancy floor plan that includes:
 - two new sprinkler heads
 - two relocated sprinkler heads
 - two deleted sprinkler heads.

Knowledge Evidence

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

- legislation, regulations, standards and codes relating to fitting off sprinkler heads, controls and ancillary equipment:
- processes, procedures and techniques of:
 - fitting off sprinkler heads, controls and ancillary equipment

- levelling and alignment for installing pipework associated with sprinkler heads, controls and ancillary equipment
- general fire protection systems terminology
- characteristics, application and limitations of different approved materials and components
- design requirements, functions and limitations of the following components:
 - sprinkler heads of at least 6 different types
 - escutcheon plates
 - flexible tube assemblies and their mounting brackets
 - pressure switches
 - flow switches
 - pipe supports and anchors
 - pipe jointing techniques including threading and roll grooving
- functional and operational features of tools and equipment used to fit off sprinkler heads, controls and ancillary equipment
- materials storage and environmentally responsible waste disposal relating to installation of sprinkler heads, controls and ancillary equipment
- 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 sprinkler heads, system controls and ancillary equipment for sprinkler fire protection systems
- work health and safety (WHS) requirements for installing sprinkler heads, system controls and ancillary equipment for sprinkler fire protection systems
- installation requirements for installing sprinkler heads, system controls and ancillary equipment for sprinkler fire protection systems.

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>