



Australian Government

Assessment Requirements for CPCPFS3047 Test and maintain automatic fire sprinklers

Release: 1

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Modification History

- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPFS3047A Test and maintain automatic fire sprinklers. 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:

- conducting routine service and maintenance up to five-year frequency of the following sprinkler systems:
 - wet system
 - deluge system
 - pre-action system, and applying the following tasks to all three systems:
 - replacing the seating rubber/diaphragm
 - replacing the face gasket/rubber
 - replacing any serviceable gaskets or rubbers on the drain and test valves
 - repacking an O, S & Y valve to manufacturer's specification
 - replacing all serviceable components on a gate valve
- performing the following on two different systems:
 - diagnose and repair faults
 - service relevant components as required
 - replace components as required
- performing system interfaces isolation of fire detection control indicating equipment (FDCIE) and fire pumpsets.

Knowledge Evidence

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

- documentation and reporting of defects and repairs in accordance with AS 1851 Routine service of fire protection systems and equipment
- characteristics, applications and limitations of approved materials and components, including:
 - alarm valves, wet, dry, deluge and pre-action
 - isolation valves, gate, butterfly and O, S & Y

- drain and test valves
- sluice valves
- water motor alarms
- pressure gauges
- air compressors
- air dryers
- pressure switches
- flow switches
- jacking pumps
- fire Sprinkler heads
- AS 1851 Routine service of fire protection systems and equipment preventative maintenance requirements of sprinkler systems:
 - valve overhauls
 - sprinkler samples
 - kitchen hood sprinklers
 - duct sprinklers
 - spray booth sprinklers
- how to access relevant information, including relevant job plans and specifications, codes, Australian Standards, manufacturer's specifications and jurisdictional requirements for conducting routine service maintenance of automatic fire sprinklers
- tools, materials and equipment used for conducting routine service maintenance of automatic fire sprinklers
- work health and safety (WHS) requirements for conducting routine service maintenance of automatic fire sprinklers.

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>