



Australian Government

Assessment Requirements for CPCPFS3038 Test and maintain fire hydrant and hose reel installations

Release: 3

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Modification History

- Release 3 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.2.
- PC2.1 Identify and calculate materials required to complete the task.
 - PC2.2 Identify potential hazards and determine and implement control measures and personal protective equipment (PPE) requirements.
 - PC2.3 Determine job priorities and sequence job tasks in consultation with others on site.
- The PCs have been repositioned to be consistent with the related CPCPFS sector units of competency.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
- Knowledge Evidence formatted for clarity.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPFS3038A Test and maintain fire hydrant and hose reel installations. 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 testing and maintenance up to five yearly frequency, excluding fire pump performance and booster connection flow testing on two different fire hydrants and hose reel installations
- diagnosing a critical defect and non-conformance and:
 - report as per AS 1851 Routine service of fire protection systems and equipment requirement
 - repair each defect and non-conformance
 - conduct testing to ensure rectification is effective
 - reinstate installations and complete a service report
- replacing all serviceable components as per preventative maintenance requirements of AS 1851 Routine service of fire protection systems and equipment on:
 - three hydrant valves

- two hose reels
- replacing one faulty hose reel drum
- setting a pressure reducing valve according to relevant specifications
- performing system interfaces isolation of fire detection control and indicating equipment (FDCIE) and fire pumpsets
- confirming correct location of hydrants, attack and feed hydrant and hose reels in accordance with AS 2419 Fire hydrant installations system design, installation and commissioning from a site or plan of 2000 square metres.

Knowledge Evidence

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

- responsibilities relating to quality requirements for testing and maintaining fire hydrants and hose reel installations:
 - documentation and information systems and processes
 - policies and guidelines relating to work roles and responsibilities
 - workplace reporting
- operational knowledge of hydrant and hose reel systems
- purpose, function and maintenance requirements of the following components in hydrant and hose reel systems:
 - hydrant valves
 - hose reels
 - check valves
 - booster assemblies
 - gate valves
 - gauges
 - pipework
 - hydrant cabinets
 - booster cabinets
 - hose reel cabinets
 - hydrant and hose reel signage
 - isolation valves
 - pipe supports
 - anti-tamper switches
 - pump start initiating devices
 - block plans
- processes, procedures and techniques of:
 - testing and maintaining fire hydrant and hose reel installations
 - system interfaces with hydrants and hose reels
 - water flow testing of hydrants and hose reels

- how to access relevant information, including job plans and specifications, codes, Australian Standards, manufacturer's specifications and jurisdictional requirements to test and maintain fire hydrant and hose reel installations
- tools, materials and equipment used to test and maintain fire hydrant and hose reel installations
- work health and safety (WHS) requirements for performing tests and conducting fire hydrant and hose reel installations.

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>