



**Australian Government**

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

**Release: 3**

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

## 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>