



Australian Government

**CPCPFS3042 Conduct annual routine
service of complex water-based
fire-suppression systems**

Release: 1

CPCPFS3042 Conduct annual routine service of complex water-based fire-suppression systems

Modification History

- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPFS3042A Conduct annual functional testing of complex water-based fire-suppression systems. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to conduct annual routine service procedures to verify that complex water-based fire-suppression system equipment functions as designed for a Class 2-9 building greater than 5000 square metres.

It includes isolating systems to visually inspect and identify non-compliance defects and resetting systems.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Pre-requisite Unit

CPCPCM2043 Carry out WHS requirements

Unit Sector

Plumbing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Plan the work. | 1.1 Determine and apply annual routine service operations requirements from AS 1851 Routine service of fire protection systems and equipment (section 1) and appropriate legislative and industry codes. |
| | 1.2 Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements. |

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- 1.3 Arrange and confirm appropriate time for conducting the annual routine
 - 1.4 Select and check tools, equipment and personal protective equipment (PPE) for serviceability and report any faults.
- 2 Conduct inspections and record results.
 - 2.1 Confirm attendance on site with site contact and follow workplace and
 - 2.2 Follow site procedures for notifying occupants and/or staff of annual routine
 - 2.3 Isolate control and indicating equipment (CIE), system interfaces and other plant according to site requirements.
 - 2.4 Apply appropriate workplace procedures and risk control measures when inspecting water-based fire-suppression systems.
 - 2.5 Identify key control valves and determine their functions regarding installation drawings to conduct routine inspection and tests.
 - 2.6 Identify all defects and non-conformances and report according to AS 1851 Routine service of fire protection systems and equipment requirements.
 - 2.7 Perform and record visual inspections on complex components.
 - 2.8 Perform visual installation and design survey inspections.
 - 2.9 Prepare installation and design survey report.
 - 3 Conduct full function test on water-based components only.
 - 3.1 Confirm appropriate time to conduct full function test with client and discuss the process and shutdowns likely to occur during test.
 - 3.2 Confirm coordination of other trades and technicians required to conduct full function test.
 - 3.3 Determine from system interface diagram the interfaced system required to operate.

- 3.4 Isolate alarm signalling equipment.
 - 3.5 Perform annual testing according to AS 1851 Routine service of fire protection systems and equipment requirements.
 - 3.6 Conduct test and confirm operation of all required water-based fire protection system according to the system interface diagram.
 - 3.7 Reinstate systems.
 - 3.8 Identify and document all defects and non-conformances and report according to AS 1851 Routine service of fire protection systems and equipment requirements.
 - 3.9 Prepare and forward to persons for action.
- 4 Clean up.
- 4.1 Clear the work area, and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace policies and procedures.
 - 4.2 Clean tools and equipment, check for serviceability reporting any damage, store and secure according to workplace procedures.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCPFS3042A Conduct annual functional testing of complex water-based fire-suppression systems.

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>