



Australian Government

CPCPFS3047 Test and maintain automatic fire sprinklers

Release: 1

CPCPFS3047 Test and maintain automatic fire sprinklers

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.

Application

This unit of competency specifies the skills and knowledge required to conduct up to, and including five yearly routine service preventative maintenance, fault identification and repair of automatic fire sprinkler installations in new or existing, domestic or commercial structures.

It includes performing maintenance tasks following specifications detailed in maintenance schedules, removing faulty items or components and replacing equipment or components to meet specifications.

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

CPCPFS3034 Install control valve assemblies, actuating devices and local alarms

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 for work. | 1.1 Access, read and apply automatic fire sprinkler maintenance requirements from relevant job plans and specifications, codes, Australian Standards, manufacturer's specifications and jurisdictional requirements. |
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| | 1.2 | Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements. |
| 2 Prepare for work. | 2.1 | Select and check the serviceability of appropriate tools, equipment and personal protective equipment (PPE). |
| | 2.2 | Identify materials and components and calculate quantities. |
| | 2.3 | Check materials and components for conformity with delivery docket and report any inconsistencies. |
| | 2.4 | Carry out preparation of work area to support efficient service maintenance of automatic fire sprinklers. |
| 3 Perform routine maintenance tasks. | 3.1 | Isolate system interfaces. |
| | 3.2 | Apply maintenance tasks, following specifications detailed in maintenance schedule and AS 1851 Routine service of fire protection systems and equipment. |
| | 3.3 | Check mechanical equipment and system components using appropriate instruments. |
| | 3.4 | Identify faulty items or components and select appropriate service procedure. |
| 4 Repair or replace faulty components and test job. | 4.1 | Isolate system and drain down, as required, to complete tasks without causing water damage. |
| | 4.2 | Remove faulty items or components without damage to other components. |
| | 4.3 | Select replacement items or components to meet manufacturer's specifications. |
| | 4.4 | Adjust equipment or components as required. |
| | 4.5 | Recharge system with water. |
| | 4.6 | Carry out operational system check to ensure job specifications and quality requirements are met. |

- 4.7 Prepare maintenance report in appropriate format.
- 5 Clean up.
 - 5.1 Clear the work area, and dispose of or recycle materials as applicable, following quality and work requirements and job specifications.
 - 5.2 Clean, check, maintain and store tools and equipment following manufacturer's and workplace requirements.

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 CPCPFS3047A Test and maintain automatic fire sprinklers.

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>