CPCPFS3040 Conduct basic functional testing of water-based fire-suppression systems

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 CPCPFS3040A Conduct basic functional testing of water-based fire suppression systems. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to complete monthly and six-monthly routine service procedures on water-based fire suppression systems according to AS 1851 Routine service of fire protection systems and equipment in new or existing residential or commercial structures.

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

Pre-requisite Unit

Nil.

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.	
1 Plan and apply compliance requirements to service operations.	1.1	Determine current legislative and industry requirements against
	1.2	Interpret and follow the requirements of section one of AS 1851 Routine service of fire protection systems and equipment.
	1.3	Identify and apply workplace policies and procedures, work health and safety (WHS) and environmental requirements.

		1.4	Prepare for functional testing of water-based fire-suppression systems according to identified requirements.
2	Conduct monthly and six-monthly routine service inspections and record results.	2.1	Notify appropriate site contact of entry and follow site procedures for
		2.2	Apply appropriate workplace procedures and risk control measures when inspecting water-based fire-suppression systems.
		2.3	Identify plant and other system interfaces that must be isolated to allow for inspection activities.
		2.4	Identify key control valves and determine their functions with reference to manufacturer instructions to allow for routine inspection activities.
		2.5	Perform and record visual inspections and results according to AS 1851 Routine service of fire protection systems and equipment.
3	Conduct monthly and six-monthly testing and record results.	3.1	Implement test methods for monthly and six-monthly testing.
		3.2	Perform routine testing procedures according to the required frequency schedule determined by AS 1851 Routine service of fire protection systems and equipment to verify the system functions as intended.
		3.3	Compare test results with manufacturer, legislative and industry requirements.
		3.4	Document results in accordance with AS 1851 Routine service of fire protection systems and equipment.
		3.5	Identify, record and report any defects or non-conformances in accordance with AS 1851 Routine service of fire protection systems and equipment
		3.6	Prepare and forward reports to relevant persons for action.
		3.7	Reinstate system according to organisational and manufacturer requirements.

		3.8	Notify site contact of completion of test and follow site procedures for
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 and report any damage, and 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 CPCPFS3040A Conduct basic functional testing of 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