

Unit of Competency

CPPFES2016 Inspect, test and maintain delivery layflat fire hoses

Modification history

Release	Comments
1	Supersedes and is equivalent to CPPFES2016A Inspect, test and maintain delivery lay flat fire hoses. Unit updated to meet the Standards for Training Packages 2012. This version first released with CPP Property Services Training Package Release 13.0.

Application

This unit of competency specifies the skills and knowledge required to inspect, test and maintain delivery layflat fire hoses at client premises. Service activities are conducted in compliance with requirements of the relevant Australian Standards and National Construction Code (NCC).

The unit is suitable for those with basic skills and knowledge undertaking routine work tasks under the direction of more experienced workers.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in some states and territories. For further information, check with the relevant regulatory authority.

Unit Sector

Fire Protection Inspection and Testing

Elements and Performance Criteria

1. Plan and prepare for service operation.	<ul style="list-style-type: none">1.1 Read work instructions to clarify service timeframes, client needs, and site and equipment locations.1.2 Discuss planned service procedures with relevant persons to clarify client needs and expectations.1.3 Plan work activities to comply with relevant Australian Standards, NCC, regulatory, work health and safety (WHS) and workplace requirements.1.4 Identify potential and actual breaches of rules and regulations associated with work instructions and take required action to ensure compliance according to regulatory and workplace requirements.1.5 Select and use required tools and equipment, including personal protective equipment (PPE).1.6 Arrange access to worksite and communicate with responsible entity and affected persons to advise duration and impact of planned service procedures and to ensure alternative safety arrangements are implemented.1.7 Identify and prepare to control hazards in the work area according to workplace requirements.
2. Inspect delivery layflat fire hose for faults.	<ul style="list-style-type: none">2.1 Inspect delivery layflat fire hose to identify defects according to maintenance schedule of relevant Australian Standard.2.2 Inspect couplings and associated items for wear or damage and report identified defects according to Australian Standards and

	workplace requirements. 2.3 Repair or replace defective items according to manufacturer and regulatory requirements. 2.4 Update maintenance record tag according to Australian Standards and regulatory requirements.
3. Conduct hydrostatic pressure testing.	3.1 Check hydrostatic pressure testing equipment to confirm correct operation according to manufacturer requirements and report any faults or damage. 3.2 Perform hydrostatic pressure testing on delivery layflat fire hose according to maintenance schedule and procedures specified in the relevant Australian Standard. 3.3 Complete permitted repairs on faulty delivery layflat fire hose according to manufacturer and Australian Standards requirements. 3.4 Label condemned delivery layflat fire hose according to workplace and regulatory requirements.
4. Inspect and maintain nozzle.	4.1 Inspect and test hose nozzle to confirm correct operation according to manufacturer requirements. 4.2 Repair, replace or report defective hose nozzle according to manufacturer and regulatory requirements. 4.3 Clean, dry, roll and store delivery layflat fire hose.
5. Finalise service operation.	5.1 Complete service records and report outstanding defects, non-compliances and recommended rectifications according to Australian Standards, regulatory and workplace requirements. 5.2 Check tools and equipment for faults, wear or damage and rectify or report problems according to workplace requirements. 5.3 Leave client premises in a clean and tidy condition.

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 CPPFES2016A Inspect, test and maintain delivery lay flat fire hoses.

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>

Assessment Requirements for CPPFES2016 Inspect, test and maintain delivery layflat fire hoses

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Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by inspecting, testing and maintaining ten delivery layflat fire hoses across two different sites.

Knowledge Evidence

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

- action to take when a breach of regulation, work health and safety (WHS) or other policy occurs when inspecting, testing and maintaining delivery layflat fire hoses
- implications of not complying with regulatory requirements when inspecting, testing and maintaining delivery layflat fire hoses
- key features of legislation, regulations, codes and Australian Standards relevant to servicing of delivery layflat fire hoses and hose nozzles:
 - environmental protection
 - maintenance schedules
 - National Construction Code (NCC) and deemed-to-satisfy requirements
 - records and documentation
- methodology for conducting hydrostatic pressure testing on delivery layflat fire hoses and implications of not venting the air during a hydrostatic pressure test
- methods for banding hose ends to couplings
- methods for cleaning and drying layflat fire hoses
- methods for rolling and storing delivery layflat fire hoses
- purpose, range and operating principles of nozzles used on delivery layflat fire hoses:
 - fog
 - jet
 - spray
- types and purpose of tools, equipment and components used when inspecting, testing and maintaining delivery layflat fire hoses:
 - couplings
 - gaskets
 - hand and power tools
 - hydrostatic pressure testing equipment
 - personal protective equipment (PPE)
 - restraining equipment that can be used to prevent hose movement under pressure
- types of defects that may be identified when servicing delivery layflat fire hoses
- types of delivery layflat fire hoses and classes:

- o L - low pressure: maximum working pressure 1000 kilopascal (kPa)
- o M - medium pressure: maximum working pressure 1400 kPa
- o H - high pressure: maximum working pressure 2100 kPa
- o percolating and non-percolating
- types of permitted repairs to delivery layflat fire hoses and their components, and methods for conducting those repairs
- units of pressure measurement, including pascal (Pa), kPa and megapascal (MPa), and methods for determining test pressure according to hose class
- workplace requirements for inspecting, testing and maintaining delivery layflat fire hoses:
 - o maintenance of tools and equipment
 - o WHS, including hazard and risk identification and control.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to documentation, tools, equipment, components and worksites required to achieve the performance evidence.

Links

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