



Australian Government

Assessment Requirements for CPPFES3042 Install and commission pre-engineered fire-suppression systems

Release: 1

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Modification History

Release 1 This version first released with CPP Property Services Training Package Release 13.0.

Supersedes and is equivalent to CPPFES3042A Install and commission pre-engineered fire-suppression systems. Unit updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by installing and commissioning two proprietary pre-engineered fire-suppression systems.

Knowledge Evidence

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

- importance of adhering to regulatory requirements, safety procedures and workplace procedures, including implications for plant warranty or safety issues of:
 - not applying regulatory requirements to job functions
 - not adhering to safety procedures and actions to take when a breach of regulation, work health and safety (WHS) or other policy occurs
 - not involving clients or not referencing plant manufacturers' documentation before working on fixings, access holes or component locations
- key features of legislation, regulations, codes and Australian Standards relevant to installing and commissioning pre-engineered fire-suppression systems:
 - environmental protection
 - fire protection of mobile and transportable equipment
 - fire protection of cooking equipment
 - fire protection of marine engine compartments
 - records and documentation
- limitations of maintenance and repair activities that may be conducted by the service technician
- types and purpose of major components used in pre-engineered fire-suppression systems for different manufacturers' proprietary systems:
 - actuators: mechanical, pyrotechnic and solenoid
 - aerosol generators

- agent discharge nozzles
- agent distribution pipework and hoses
- container valves
- control equipment
- detection devices
- extinguishing agent containers, such as tanks and cylinders
- support brackets
- types and purpose of pre-engineered fire-suppression systems:
 - design, installation and commissioning requirements and limitations of the manufacturers' proprietary systems
 - identification and purpose of the major components in the fire-suppression system for different manufacturers' proprietary systems
 - key installation design requirements for pre-engineered systems
 - manufacturer requirements and standards applicable to design, installation, commissioning, inspecting, testing and maintaining pre-engineered fire-suppression systems
 - procedures for inspecting, testing and maintaining systems to verify operation to manufacturer requirements
 - purpose of fire-suppression systems
 - reasons for commissioning after installation
 - types of fire-extinguishing agents used in pre-engineered systems and their uses
- types and purpose of tools and equipment used when installing and commissioning pre-engineered fire-suppression systems:
 - hand and power tools
 - personal protective equipment (PPE)
- workplace requirements for installing and commissioning pre-engineered fire-suppression systems:
 - maintenance of tools and equipment
 - 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 installation drawings and documentation, manufacturers' specifications, materials, tools, equipment, pre-engineered fire-suppression systems and installation locations required to achieve the performance evidence.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>