



Australian Government

Assessment Requirements for CPPFES3044

Interpret installation requirements for gaseous 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 CPPFES3044A Interpret installation requirements for gaseous 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 interpreting installation requirements for two different gaseous fire-suppression systems, including for each:

- confirming the amendment status and currency of drawings
- correctly orientating drawings to the ground
- identifying six key features on a drawing and the actual features at the worksite
- confirming six items of information from the title block of the installation drawings
- identifying six construction dimensions, levels and locations from installation drawings
- identifying six ancillary works dimensions, levels and locations from installation drawings
- identifying dimensions, material requirements and processes to be followed from formal job specifications.

Knowledge Evidence

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

- basic construction terminology used in installation drawings for gaseous fire-suppression systems
- compliance requirements of relevant regulations and Australian Standards associated with the installation of gaseous fire-suppression systems:
 - gaseous fire extinguishing systems
 - licensing related to the installation of ozone depleting substances (ODS) and synthetic greenhouse gases (SGG)
- drawing conventions
- features of drawings, plans and elevations:
 - abbreviations
 - contours
 - direction

- key
- scale
- symbols
- key features of installation sites to be noted in relation to installation drawings:
 - clearance distances
 - dimensions
 - existing buildings and structures
 - locations of plant and equipment
 - locations of services
 - roads and railways
 - service layouts and requirements
 - shapes of structures or buildings
 - site shape and orientation
 - vertical and horizontal measurements
- key functions of drawing types:
 - details of hazard:
 - dimensions
 - number of exits
 - volumes
 - equipment details:
 - container fill and size
 - manufacturers' type
 - nozzle size and orifice
 - actuator type
 - general layout of equipment
 - location of key equipment:
 - containers
 - local control station
 - nozzles
 - pipework
- main users of different types of installation drawings:
 - 'for approval' drawings
 - 'for construction' drawings
 - 'as-built' or 'as-installed' drawings
- mathematical techniques for calculating scale, height, area, volume and grade on drawings and plans
- purpose and typical contents of installation specifications for gaseous fire-suppression systems
- techniques for orientating drawings and plans to the worksite and finding true north

- workplace quality requirements to be applied when interpreting installation requirements for gaseous fire-suppression systems.

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 design documentation, drawings, measuring tools and equipment and installation sites 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>