



**Australian Government**

**CPCSFS5003 Develop plans and  
methodology for fire systems design  
projects**

**Release: 1**

# CPCSF5003 Develop plans and methodology for fire systems design projects

## Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCSF5003A Develop plans and methodology for fire systems design projects. Updated to meet the Standards for Training Packages 2012.

## Application

This unit of competency specifies the outcomes required to ensure a quality result for the detailed design of fire systems through work organisation, planning and methodology.

This unit of competency supports the role of fire systems designers who manage their own work and take responsibility for ensuring that detailed designs of fire systems are produced within required timeframes and to the standards required for approval of such designs.

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 and Fire Services

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

1 Identify and apply procedures for initiating fire systems design projects.

1.1 Identify various project file-sharing and communication systems, tools and methods to ensure efficient and effective operation.

1.2 Use project and file-naming systems according to workplace and project requirements.

1.3 Identify efficient and effective document filing and storage systems according to workplace and project

- requirements.
- 1.4 Identify systems for efficient tracking and filing of project communications according to workplace and project requirements.
  - 1.5 Identify a system for ensuring relevant project documentation is requested, received, named and filed according to workplace procedures.
- 2 Develop a plan for setting up fire systems design projects.
    - 2.1 Develop plan for setting up correct computer-aided design (CAD) backgrounds according to workplace and project requirements.
    - 2.2 Develop systematic processes for identifying and importing the correct layer drawings into CAD according to workplace and project requirements.
- 3 Develop a plan and methodology for designing fire systems.
    - 3.1 Develop actions and timeframes in the design process for fire systems according to workplace, project requirements, quality assurance and other regulatory approval, as required.
    - 3.2 Determine stages where regulatory or other approval is required for the design and establish procedures to ensure that these are obtained.
    - 3.3 Identify applicable fire codes, standards and data sheets from relevant authorities and underwriters.
- 4 Develop a plan and methodology for finalising fire systems design projects.
    - 4.1 Establish actions and timeframes in the fabrication and installation support process according to workplace and project requirements.
    - 4.2 Establish final drawing and documentation requirements according to workplace and project requirements.
    - 4.3 Establish timelines for long lead items such as fire tanks, fire pumps and specialist overseas equipment.

## **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 CPCSFS5003A Develop plans and methodology for fire systems design projects.

## **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>