



Australian Government

CPCPFS4022 Commission and maintain special hazard fire suppression systems

Release: 2

CPCPFS4022 Commission and maintain special hazard fire suppression systems

Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
- Changes to Foundation Skills. Typographical error corrected in Elements and Performance Criteria 4.2.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is equivalent to CPCPFS4022A Commission and maintain special hazard fire suppression systems. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to test, commission and maintain special hazard fire suppression systems.

It covers preparation for the work, identification and confirmation of system specifications and requirements, physical testing and commissioning of the systems, and conduct of systems maintenance and work finalisation processes, including records and documentation.

Site location for work application may be either domestic or residential and may be a new work site or an existing structure being renovated, extended, restored or maintained.

This unit is suitable for those using specialised knowledge to complete routine and non-routine tasks and using their own judgement to deal with predictable and sometimes unpredictable problems.

All technicians performing work described in this unit that involves the handling of prescribed ozone depleting substances (ODS) and synthetic greenhouse gases (SGG) extinguishing agents must hold an appropriate extinguishing agent handling licence (EAHL).

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.

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| 1 Prepare for work | 1.1 Obtain plans and specifications. |
| | 1.2 Apply workplace policies and procedures, work health and safety (WHS) and environmental requirements. |
| | 1.3 Identify and adhere to quality assurance requirements to according to workplace requirements. |
| | 1.4 Commission, inspect, test and maintain ozone depleting substances (ODS) and synthetic greenhouse gases (SGG) legislative and industry requirements to activities for special hazard fire suppression systems. |
| | 1.5 Plan and sequence tasks in conjunction with others involved in or affected by the work. |
| | 1.6 Select and check tools, equipment and materials for serviceability prior to commissioning and maintaining special hazard fire suppression systems, including personal protective equipment. |
| | 1.7 Prepare work area to support efficient commissioning process. |
| 2 Identify system requirements. | 2.1 Identify and confirm service design requirements from job specifications and are according to standards. |
| | 2.2 Identify testing and commissioning requirements of special hazard fire suppression systems according to standards, authorities' requirements and job specifications. |
| 3 Test and commission system. | 3.1 Check special hazard fire suppression systems to ensure type and installation conform to standards, job specifications, manufacturer recommendations and authorities' requirements. |
| | 3.2 Test operation of system according to job specifications, manufacturer recommendations and authorities' requirements, including ODS and SGG legislative |

- requirements, and is adjusted as required.
- 3.3 Commission system to ensure correct operation according to standards, and manufacturer and job specifications.
- 4 Maintain system.
- 4.1 Identify service and maintenance requirements from manufacturer specifications or authorities' requirements.
- 4.2 Check and fit replacement components periodically and as required according to specifications.
- 4.3 Conduct maintenance and repair of system observing maintenance schedule described in current Australian standard, and manufacturer and/or authorities' requirements, including ODS and SGG legislative requirements.
- 4.4 Observe sustainability principles and concepts when preparing for and undertaking work process.
- 5 Clean up work area.
- 5.1 Clear work area and dispose of reused or recycled materials, according to legislation, regulations, codes of practice and job specification.
- 5.2 Clean, check, maintain and store tools and equipment according to manufacturer recommendations and workplace procedures.
- 5.3 Access information and complete documentation according to workplace requirements.

Foundation Skills

A person demonstrating competency in this unit must have the following language, literacy, numeracy and employment skills:

- technical skills to test, commission and maintain a special hazard protection system consisting of an extinguishing agent, piping, actuating devices and sprinkler delivery
- technology skills to:
 - access and understand site-specific instructions in a variety of media
 - use mobile communication technology.

Unit Mapping Information

Supersedes and is equivalent to CPCPFS4022A Commission and maintain special hazard 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>