



Australian Government

CPPFES2025 Inspect, test and maintain gaseous fire-suppression systems

Release: 1

CPPFES2025 Inspect, test and maintain gaseous fire-suppression systems

Modification History

- Release 1 This version first released with CPP Property Services Training Package Release 13.0.
- Supersedes and is equivalent to CPPFES2025A Inspect, test and maintain gaseous fire-suppression systems. Unit updated to meet the Standards for Training Packages 2012. Updated licensing statement.

Application

This unit of competency specifies the skills and knowledge required to complete the mechanical inspection, testing and maintenance of gaseous fire-suppression systems installed at client premises. Service activities are conducted according to the current Australian Standard for the maintenance of fire protection systems and equipment.

The unit does not apply to any installation, replacement, maintenance or repair functions that are restricted to licensed trades or occupations.

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

Ozone depleting substances (ODS) and synthetic greenhouse gases (SGG) are gaseous fire-extinguishing agents listed in Schedule 1 of the Ozone Protection and Synthetic Greenhouse Gas Management Act 1989 and by law, can only be handled by people who hold an appropriate extinguishing agent handling licence (EAHL). This unit supports one or more EAHLs prescribed under the Act. For further information, check with the relevant regulatory authority.

Pre-requisite Unit

Nil.

Unit Sector

Fire Protection Inspection and Testing

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 Apply rules and regulations to service operation. | 1.1 Read work instructions to clarify type of gaseous fire-suppression system to be serviced, 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 prevent ODS and SGG emissions and comply with relevant Australian Standards, regulations, 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 Determine key system functions and operation within design limitations. |
| 2 Research layout and components of gaseous fire-suppression system to be inspected. | 2.1 Gather relevant gaseous fire-suppression system information. |
| | 2.2 Identify gaseous fire-suppression system application and method of operation. |
| | 2.3 Identify gaseous fire-suppression system components and locate on installation drawings. |
| | 2.4 Identify isolation devices and interface controls to other systems and locate on installation drawings. |
| 3 Prepare to inspect, test and maintain gaseous fire-suppression system. | 3.1 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. |
| | 3.2 Select and use required personal protective equipment (PPE). |
| | 3.3 Identify hazards in the work area and apply risk control measures according to workplace requirements. |
| | 3.4 Identify and assemble required tools, equipment and |

- testing devices according to workplace requirements.
- 3.5 Switch alarm signalling equipment to test mode in back-to-base facilities.
 - 3.6 Physically isolate equipment to ensure testing or maintenance procedures do not cause discharge of extinguishing agent.
 - 3.7 Electrically isolate equipment and interface controls to other systems to ensure no alarms or actions are unduly generated.
 - 3.8 Install and calibrate test equipment to verify operation of components and system.
- 4 Inspect and test installed gaseous fire-suppression system.
- 4.1 Locate and identify system components on site, verify exact correspondence of system layout to installation drawings and report identified anomalies.
 - 4.2 Safely complete mechanical inspection tasks specified for the relevant maintenance schedule period according to Australian Standards, manufacturer and workplace requirements.
 - 4.3 Safely complete mechanical test tasks specified for the relevant maintenance schedule period according to Australian Standards, manufacturer and workplace requirements.
 - 4.4 Record inspection and testing results and identified faults according to regulatory and workplace requirements.
- 5 Conduct preventive maintenance on installed gaseous fire-suppression system.
- 5.1 Complete mechanical preventive maintenance tasks specified for the relevant maintenance schedule period according to Australian Standards, manufacturer and workplace requirements.
 - 5.2 Repair or replace faulty equipment according to regulatory and workplace requirements.
 - 5.3 Organise transport and refilling of gaseous agent containers by authorised refilling station according to workplace requirements.
 - 5.4 Record preventive maintenance results according to

regulatory and workplace requirements.

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| 6 Finalise service operation. | 6.1 Reinstall gaseous fire-suppression system and check to confirm it is fully operational according to manufacturer and workplace requirements. |
| | 6.2 Complete service records and report outstanding defects and recommended rectifications according to Australian Standards, regulatory and workplace requirements. |
| | 6.3 Check tools and equipment for faults, wear or damage and rectify or report problems according to workplace requirements. |
| | 6.4 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 CPPFES2025A Inspect, test and maintain gaseous fire-suppression systems.

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>