



Australian Government

Assessment Requirements for CPCPFS4025 Commission fire alarm and detection system interface devices

Release: 2

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Modification History

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| Release 2 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.

Performance Evidence formatted for clarity. |
| Release 1 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCPFS4025A Commission fire alarm and detection system interface devices. Updated to meet the Standards for Training Packages 2012. |

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- commissioning a fire alarm and detection system interface device, including a pressure switch and a flow switch, plus an actuator and a control and indicating panel and in doing so:
 - correctly interpret plans and specifications to complete work to the specified standard within accepted timeframes
 - comply with appropriate legislation, organisational processes and regulatory requirements.

Knowledge Evidence

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

- components and materials of fire alarm and detection system interface devices including:
 - pressure switches
 - flow switches
 - actuators
 - solenoids
 - valve monitoring devices
- verifying interface device operations, including:
 - alarm volume
 - annunciators
 - audible, visible and combination alarms

- controls
- coordination of alarm signals with other services
- dispatching systems
- public reporting systems
- signal transmission
- tactile alarm appliances for people with disabilities
- zone alarms
- correct location and setting of interface devices to meet system design standards
- difference between extra low voltage and low voltage system interface wiring connection
- job safety analysis (JSA) and safe work method statements (SWMS)
- process of installing, testing and commissioning fire alarm and detection system interface devices
- systems operations and procedures
- properties of water including pressure and flow rates
- relevant statutory requirements related to commissioning fire alarm and detection system interface devices including:
 - automatic smoke and heat venting systems
 - air handling systems
 - emergency warning and intercommunication systems
- statutory and regulatory authorities including:
 - Commonwealth government
 - state or territory governments
 - local authorities
- sources of information and processes for calculating suitable replacement of interface devices
- SI system of units
- standards applicable to the service including:
 - AS 1670.1 Fire detection, warning, control and intercom systems – System design, installation and commissioning – Part 1 Fire
 - AS2118.1 Automatic fire sprinkler systems Part 1: General systems
 - AS1851 Routine service of fire protection systems and equipment
- safe work practices associated with commissioning fire alarm and detection interface systems including:
 - working with electricity
 - handling of materials
 - hazard control
 - PPE
 - use of first aid equipment
- environmental requirements and sustainability principles including:
 - clean-up protection
 - stormwater protection

- waste management
- efficient energy use
- efficient use and recycling of material
- selecting appropriate components to ensure minimal environmental impact
- quality assurance requirements including:
 - Australian standards
 - Environment Protection Authority (EPA)
 - internal company quality assurance policy and risk management strategy
 - International Standards Organisation
 - site safety plan
 - workplace operations and procedures.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

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>