



Australian Government

PUAFIR206B Check installed fire safety systems

Release 3

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Modification History

Release	TP Version	Comments
2	PUA12 V2	Content reviewed Application of the Unit added Unit revised to reflect current work requirements Method of assessment added
1	PUA00 V8.1	Primary release on TGA

Unit Descriptor

This unit covers the competency required to locate, identify and check the status of fire safety systems, while predominantly under direct supervision.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Application of the Unit

This unit applies to personnel required to locate, identify and check the status of fire safety systems. Work at this level is undertaken under direct supervision and instruction.

The installation of fire safety systems is required under the Building Code of Australia and implemented through state and territory building regulations.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element. Where ***bold italicised*** text is used, further information is detailed in the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Locate and identify fire safety systems	<p>1.1 <i>Fire safety systems</i> are identified and located in buildings.</p> <p>1.2 Onsite visual identification of fire safety systems and mode of operation is confirmed and reported to supervisor.</p>
2. Check and monitor the status of fire safety systems	<p>2.1 Fire safety systems are checked in accordance with organisational procedures.</p> <p>2.2 Status of fire safety systems is monitored, irregularities such as faults and isolation of individual functions are identified and reported in accordance with organisational procedures.</p>

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Required Skills

- apply organisational procedures
- check the status of various fire safety systems
- identify faults in fire safety systems
- identify various fire safety systems
- work under supervision

Required Knowledge

- advantages and disadvantages of various forms of heat and smoke detection devices
- basic components and their functions in the operation of a sprinkler system
- basic components of heat and smoke detection systems
- basic operating principles and applications of heat and smoke detectors
- building emergency evacuation procedures
- functions of a sprinkler system
- organisational procedures
- operating principles and applications of smoke alarms
- operating principles and applications of smoke control systems
- sources of water supply to sprinkler systems
- use and operation of emergency warning and intercommunication equipment
- use and operation of fire control room

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Assessment must confirm the ability to:

- identify types of sprinkler systems
- identify components of sprinkler systems
- identify fire detection systems
- identify firefighter control facility
- identify emergency communications equipment.

Consistency in performance

Competency should be demonstrated over time in a range of actual or simulated workplace environments.

Context of and specific resources for assessment

Context of assessment

Competency should be assessed on-the-job or in a simulated workplace environment.

Specific resources for assessment

Access is required to:

- wide range of fire safety systems and their components

Method of assessment

In a public safety environment assessment is usually conducted via direct observation in a training environment or in the workplace via subject matter supervision and/or mentoring, which is typically recorded in a competency workbook.

Assessment is completed using appropriately qualified assessors who select the most appropriate method of assessment.

Assessment may occur in an operational environment or in an industry-approved simulated work or in an agency-approved simulated work environment. Forms of assessment that are typically used include:

- direct observation
- interviewing the candidate
- journals and workplace documentation
- third party reports from supervisors
- written or oral questions

Range Statement

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

Fire safety systems may include:

- alarms
 - electronic
 - emergency warning
 - paging (audible and visual)
 - telephone
 - visual
- communications
 - emergency intercommunication system
 - fire phone
 - radio
 - telephones
- fire detection systems
 - carbon monoxide
 - heat (linear, fixed temperature, rate of rise, video)
 - flame (infra-red, ultra violet, video)
 - smoke (aspirating, ionisation, photo-electric)
 - video
- fire sprinkler
 - components (alarm valves, pressure and flow switches, pressure gauges, retard chambers, sprinkler heads [all types], stop valves, system pressurisation arrangement, tamper switches, valve monitoring
 - dry pipe
 - wet pipe
- fire suppression
 - aerosol
 - foam
 - gaseous (carbon dioxide, nitrogen and inert gas)
 - powder
 - vaporising liquid
 - water mist
- gas detection
 - controller
 - detectors

	<ul style="list-style-type: none">• smoke control<ul style="list-style-type: none">• mechanical plant shutdown• smoke curtain operation• smoke exhaust• stair pressurisation• other systems operations (such as electrical system shutdown, door closing/opening)
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Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s Nil