



Australian Government

PUAFIR507B Inspect building fire safety systems

Release 3

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Modification History

Release	TP Version	Comments
2	PUA12 V2	Application of the Unit added Pre-requisite unit PUAFIR403B Assess building plans removed Range statements 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 interpret building plans and associated documentation for fire safety systems; to locate and note variations to systems; to assess the operation and maintenance of the systems; and to report on the findings of the inspection in accordance with organisational requirements.

Legislative, regulatory and certification requirements are applicable to this unit.

Application of the Unit

This unit applies to personnel who are authorised by their agency to enter buildings to conduct inspections of the installed fire safety systems and to report on any matters arising in relation to their location, operation, maintenance and compliance.

These personnel provide reports on non-compliance to the organisation or owner of the business and to the fire service.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

PUAFIR302B Suppress urban fire
PUAFIR314B Utilise installed fire safety systems

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. Determine the requirement, scope and outcome of inspection	1.1 <i>Class of building</i> is identified in accordance with the Building Code of Australia. 1.2 Methodology for conducting the inspection is determined.
2. Identify the fire safety systems on the building plan and associated documentation, and locate the actual systems in the building	2.1 <i>Fire safety systems</i> and components are correctly identified on the building plans and associated documentation. 2.2 Using the building plans and associated documentation, fire safety systems are located in the building. 2.3 Variations between the plans and the actual locations are recorded.
3. Verify the actual fire safety systems with the building plan and associated documentation	3.1 Building plan and associated documentation are compared with the actual location of the building's fire safety systems. 3.2 Variations between the building plans and associated documentation and actual locations are recorded.
4. Review compliance of the building fire safety systems	4.1 Building fire safety systems are checked against design requirements and <i>relevant standards</i> . 4.2 Building emergency organisational structure is checked against design requirements and relevant standards. 4.3 Maintenance procedures and log books are checked against design requirements and relevant standards. 4.4 Variations to design requirements and relevant standards are noted and reported.
5. Assess the operation and maintenance of the fire safety systems	5.1 Maintenance requirements are identified and examined. 5.2 Maintenance records are located and examined. 5.3 Fire safety systems are tested in conjunction with a building representative, and recorded and reported in accordance with organisational and/or owner/occupier requirements.
6. Assess the operation and maintenance of the fire safety systems	6.1 Variations to building plans and associated documentation are outlined. 6.2 Information on the review of the building's fire safety systems compliance is provided. 6.3 Reports are distributed in accordance with organisational policies, legislative requirements and/or owner/occupier requirements.

Required Skills and Knowledge

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

Required Skills

- interpret building plans in relation to fire safety systems
- locate and identify components of the building fire safety system
- operate and reinstate fire safety systems in accordance with organisational requirements

Required Knowledge

- building evacuation systems
- egress routes and housekeeping practices
- maintenance procedures
- methods of operation of fire suppression systems
- relevant manufacturer specifications
- relevant standards
- role of emergency management organisation
- specific building design requirements
- types of detection and alarm systems
- types of fire suppression systems

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:

- compare the building's actual fire safety system against the system on the building plans and associated documentation
- inspect and determine the building's fire safety system against design requirements or other relevant standards
- apply knowledge of building regulations in the area of responsibility
- apply knowledge of the Building Code of Australia
- report on the inspection and highlight variations.

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 through actual inspections.

Specific resources for assessment

Access is required to:

- site
- building plans and associated documentation for an actual inspection

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 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

<p>The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. <i>Bold italicised</i> wording in the Performance Criteria is detailed below.</p>	
<p><i>Class of building must include:</i></p>	<ul style="list-style-type: none"> • buildings and structures, as defined in the Building Code of Australia
<p><i>Fire safety systems must include:</i></p>	<ul style="list-style-type: none"> • emergency egress systems (emergency lifts, emergency lighting and power systems, emergency vehicular access, emergency warning and intercommunication system, exit and egress pathways, exit doors, exit signs) • fire detection and alarm systems • fire sprinkler systems
<p>and may also include:</p>	<ul style="list-style-type: none"> • building control systems • building design requirements • communications systems • emergency vehicle access–egress systems • emergency warning and intercommunication system (EWIS) • fire/emergency control centres/rooms • fire resisting structures/compartimentation • fire suppression systems (including hydrants and boosters) • smoke hazard management
<p><i>Relevant standards must include:</i></p>	<ul style="list-style-type: none"> • Building Code of Australia • organisational procedures • relevant AS/NZ standards • relevant building regulations
<p>and may also include:</p>	<ul style="list-style-type: none"> • manufacturer specifications

Unit Sector(s)

Not applicable.