



**Australian Government**

# **Assessment Requirements for PUA FIR517 Conduct an inspection of a performance based design building**

**Release: 1**

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## **Modification History**

**Release 1.** This is the first release of this unit of competency in the PUA Public Safety Training Package.

## **Performance Evidence**

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions on at least one occasion and includes

- compiling and preparing reports
- determining performance based design impacts
- identifying fire engineering reports and performance specifications for fire safety systems
- interpreting building plans
- locating and identifying components of a building's fire safety system
- reporting on inspection of fire safety systems to appropriate authorities
- undertaking an inspection of fire safety systems and checking for compliance
- using fire intervention models
- working with organisational policies, procedures and documentation

## **Knowledge Evidence**

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions and includes knowledge of

- building regulations and codes
- design documentation and reporting requirements
- design fires
- fire brigade intervention model and its application
- fire engineering and certifiers reports
- fire safety system performance and maintenance requirements
- hazards and risks in different building occupancy types
- industry standards including international fire engineering guidelines related to
  - fire detection, warning and suppression
  - fire initiation, development and control
  - fire services intervention
  - fire spread, impact and control

- occupant evacuation and control
- smoke development, spread and control
- manufacturers' equipment specifications
- organisational documentation, policies and procedures including maintenance procedures
- performance based building and fire codes
- performance based design
- principles of fire modelling including fire modelling and computational fluid dynamics and evacuation modelling
- types of fire safety systems

## Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

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Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in industry approved simulated workplace operational situations that reflect workplace conditions.

Resources for assessment must include access to

- a range of relevant exercises, case studies and/or simulations
- relevant and appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry including
  - building plans and associated documentation
  - fire brigade reports
  - fire engineering and certifiers reports
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

## Links

PUA Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>