



Australian Government

Assessment Requirements for PUA FIR501

Conduct fire investigation and analysis activities

Release: 1

Assessment Requirements for PUAFIR501 Conduct fire investigation and analysis activities

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 and performance criteria on at least one occasion and includes

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements
- communicating using approved methods and tools
- conducting analysis of the incident
- determining origin and cause of fire at incident
- displaying evidence gathering and packaging techniques
- participating in briefings
- planning fire or incident investigation and analysis activities
- recording and reporting information collected
- securing, collecting, collating and preserving evidence
- utilising methods and techniques for evidence and information collection

Knowledge Evidence

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

- causes of fire including accidental, chemical, deliberate, electrical origin, environmental or natural occurrences, flammable liquids, gas and gas explosions, lightning, matches and lighters, mechanical defects, motor vehicles, smoking and spontaneous combustion
- determination of point of origin through use of evidence
- differences between accidentally, negligently, deliberately or naturally lit fires
- examination of fire scenes
- factors affecting fire behaviour
- fire dynamics such as flash over and back draught
- fire scene and risk investigation hazards
- legal implications of evidence collection
- legal protocols for giving evidence including court practices and procedures, pre-court briefings and rules of evidence
- legislative requirements in relation to fire incident investigation

- organisational documentation including reporting requirements
- organisational policies and procedures including fatality and criminal involvement procedures
- personal protective clothing and equipment
- preservation of evidence including maintaining chain of evidence and log of events
- processes for packaging
- security, contamination and preservation of fire scenes
- techniques for collecting evidence and sources of information
- types of specialist and forensic personnel
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including risk mitigation

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
 - evidence management, handling and packaging resources
 - fire investigation equipment and resources real or simulated, test fire sites and fire crews and pumpers, as required
- 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>