



Australian Government

Assessment Requirements for PUA FIR605

Determine origin and cause of mobile property fire

Release: 1

Assessment Requirements for PUA FIR605 Determine origin and cause of mobile property fire

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

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including safe work practices at a fire scene
- articulating and justifying investigation findings
- assessing and investigating fire scenes externally and internally
- conducting witness interviews
- coordinating mobile fire investigation and managing fire scene examination
- identifying area, point of origin and possible cause of fire
- identifying potential ignition sources and follow processes for elimination of cause
- implementing approved collection techniques
- implementing organisationally approved systematic approach to mobile property investigations
- packaging and preserving evidence to avoid damage, spoliation or contamination
- recognising potential hazards including assessing and mitigating risks
- securing fire scene and preserving evidence
- taking fire notes using digital multi-media accompanied with written explanation and narratives
- using methods and techniques to identify, document, collect, handle, transport and store evidence
- using sampling equipment and resources
- writing fire reports related to origin and cause of mobile structure fire

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

- approved collection techniques
- causes of fire including chemical reaction; electrical wiring; engine fire; fuel line and

systems; fuel types and mixtures; incendiary devices including commercial, manufactured devices for other purposes, homemade, industrial and military; mechanical failure or damage and transmission fires

- common causes of fires including accidental, chemical, electrical, incendiary, natural, negligence and mechanical
- methods, techniques and equipment for handling and storing evidence to preserve and avoid damage or contamination
- organisational documentation, policies and procedures
- organisational requirements for producing investigation reports
- origin and cause determination
- other organisations/agencies and support personnel
- package, label and storage of evidence for transportation requirements
- potential ignition sources, their identification and processes of elimination
- principles of investigation based on organisationally approved systematic approaches
- product recall and Safety Data Sheets (SDSs)
- technological media for recording
- types of evidence including burn patterns, electronic data and witness statements
- types of sampling equipment and resources
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) legislated 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.

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

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
 - that capture the range of causes for which evidence needs to be gathered and managed including using organisational procedures and protocols relating to the gathering and managing of evidence
- relevant and appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry
- 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>