



Australian Government

Assessment Requirements for PUA FIR604 Determine origin and cause of structure fire

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the 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 collection techniques including the preservation of evidence, search techniques and security of environment
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements
- assessing and investigating fire scenes externally and internally
- collecting and analysing evidence from fire scenes
- coordinating and conducting fire scene investigations
- identifying area and point of origin and possible cause of fire utilising evidence and forensic scientific principles
- identifying burn patterns and burn pattern formation
- implementing collection techniques
- interpreting fire indicators scene
- interpreting scene
- managing fire scene investigation cases
- securing fire scene and preserving evidence
- taking fire scene notes, using digital multimedia accompanied with written explanations and narratives
- using sampling equipment
- utilising equipment to collect, handle and store exhibits and items of interest
- writing reports related to origin and cause of 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

- agencies and organisations involved in a structure fire investigation
- burn patterns and how burn patterns are formed, including plume, ventilation, hot gas layer,

full room involvement and suppression general patterns

- causal factors of burn patterns
- class of buildings
- classes of fire
- collection techniques including preservation of evidence, search techniques and security of environment
- common types of human behaviour associated with an incident
- equipment and resources used for sampling
- fatal fire and crime scene management
- internal survey of scene procedures
- organisational documentation, policies and procedures
- organisational requirements for producing reports
- origin and cause determination
- product recall and Safety Data Sheets (SDSs)
- roles and responsibilities of personnel
- rules of evidence including identification, collection, continuity and admissibility
- scene security including legal obligations and scene preservation
- 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
 - organisational policies, procedures and protocols related to the gathering and management of evidence in structural fire scene investigations
- applicable documentation including organisational procedures, industry standards, 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>