



Australian Government

Assessment Requirements for PUA FIR302 Suppress urban fire

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

- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements
- attacking fires
- completing operations
- controlling fire environment by cooling fire gases
- determining extinguishing media and equipment
- firefighting tactics including cooling the fuels, interrupting the chemical chain reaction, removing fuels, excluding oxygen and ventilation
- firefighting suppression activities including locating and accessing the fire, search and rescue, anticipation of fire behaviour, ensuring safety, applying extinguishing media, applying techniques to maximise the effect and minimise the damage and identifying and protecting area of fire origin and evidence of cause
- initiating response to fire
- observing and reacting to fire conditions whilst maintaining situational awareness
- operating breathing apparatus
- operating firefighting equipment
- participating as a firefighting team member
- performing ancillary firefighting operations
- protecting people
- recognising fire behaviour indicators
- undertaking salvage and overhaul
- using natural and mechanical ventilation techniques
- utilising firefighting strategies and tactics for rescue, exposures, confinement, extinguishment, overhaul, ventilation and salvage
- working with a range of extinguishing media

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

- combustion processes including spontaneous heating combustion and ignition
- damage to the environment from fire suppression activities including air pollution, hazards to flora and fauna, soil and water pollution
- structural fire behaviour and factors which impact on spread
- fire behaviour indicators
- firefighting tactics including cooling fuels, interrupting chemical chain reaction, removing fuels, excluding oxygen and ventilation
- firefighting considerations including available firefighting resources, extinguishing media, fire exposures, signs of structural collapse, size of fire, topography, type of fire and weather
- hazardous materials including those defined by the Australian Dangerous Goods Code and other fire extinguishing substances
- organisational documentation, policies and procedures including reporting and recording incident details and breathing apparatus control procedures
- personal protective clothing and equipment requirements including breathing apparatus
- purpose of ventilation techniques including assisting in fire suppression activities, facilitating evacuation of occupants, maximising visibility within a structure, minimising damage, preventing build up of toxic or explosive atmospheres and providing clean air
- strategies and methods of attack for extinguishing fires in a range of structures
- types of media for firefighting and their suitability for different classes of fire
- use of firefighting equipment and application of techniques
- ventilation techniques including horizontal, hydraulic, mechanical, natural and vertical
- 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.

Competency should be assessed on the job or in a simulated environment.

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

- firefighting equipment, breathing apparatus, control equipment and extinguishing media
- firefighting, ventilation and salvage equipment
- range of controlled or simulated fires
- 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>