



Australian Government

PUAFIR220 Respond to isolated structure fire

Release: 1

PUAFIR220 Respond to isolated structure fire

Modification History

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

Application

This unit of competency involves the skills and knowledge required to respond to an isolated structure fire when working as a member of a team under direct supervision. It includes defensive external structural firefighting i.e. how to attack a fire from outside a structure and protect exposures. It does not cover offensive firefighting i.e. internal attack within a structure or how to deal with fires involving dangerous goods and/or hazardous chemicals.

An isolated structure refers to a free standing building or manmade construction, such as a homestead or farm machinery shed. With an isolated structure, the possibility of fire spread between the structure itself and other structures or property not directly involved in the fire is generally low.

The unit applies to personnel working in rural and/or urban interface areas and rural communities who are often required to respond to structure fires and to support asset protection. An individual operating in this context will perform this role under the direct supervision of a crew leader or an officer in charge.

The fire sector is those sections of government departments, statutory authorities or organisations that have responsibility under jurisdictional arrangements for the delivery of firefighting and fire management services.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

It is essential that the prerequisite units listed below are obtained prior to the issuance of this unit to individuals within the fire sector or the units contributing to the attainment of a fire qualification.

PUAFIR210 Prevent injury

Competency Field

Fire

Unit Sector

Fire

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Proceed to fire

- 1.1 Information received about location and type of fire is recorded, in accordance with organisational procedures
- 1.2 Appropriate personal protective clothing and equipment is donned, in accordance with organisational procedures
- 1.3 Most effective route to the fire is identified

2 Prepare extinguishing media and/or equipment for use

- 2.1 Water supplies at the incident to support firefighting are located
- 2.2 Equipment to access and supply water to firefighting operations is identified and assembled, in accordance with organisational procedures
- 2.3 Nominated extinguishing media and/or equipment is identified, obtained and or accessed

3 Combat fires

- 3.1 Personal safety is maintained, in accordance with organisational procedures and Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) guidelines, for responding to isolated structure fires
- 3.2 Hazards are identified and reported to supervisors, in accordance with organisational procedures
- 3.3 Firefighting strategies are implemented through the chain of command, in accordance with organisational procedures
- 3.4 Safe escape routes are identified confirmed and maintained in accordance with organisational procedures
- 3.5 Access to location of fire is gained and protecting life and minimising damage to the environment and property is undertaken, in accordance with organisational

		procedures
	3.6	Extinguishing media and equipment are used, in accordance with manufacturers' specifications and organisational procedures
	3.7	Communication with team members and supervisor is maintained throughout the incident, in accordance with organisational procedures
4 Observe and report changes in conditions at the fire	4.1	Changing conditions at the fire are observed and effects on fire behaviour are noted and reported through the chain of command
	4.2	Firefighting tactics are adapted to meet changing conditions and fire behaviour
5 Participate in ancillary operations	5.1	Ancillary activities to complement firefighting operations and to prevent further damage to structure is undertaken
	5.2	Assistance is given, if required, to complete and record incident information
6 Conclude firefighting operations	6.1	Firefighting equipment is collected, reinstated and stowed, in accordance with organisational procedures
	6.2	Incident scene is made safe for the public
	6.3	Defective or missing equipment is identified and reported, in accordance with organisational procedures
	6.4	Participate in debriefing sessions

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

personal protective clothing and equipment must include	• head and eye protection • personal protective clothing
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equipment must include

- turnout uniform and gloves
- fire attack equipment
- small gear and ancillary equipment

extinguishing media must include

- foam
- water

Unit Mapping Information

This unit replaces and is equivalent to PUAFIR218 Respond to isolated structure fire.

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>

Assessment Requirements for PUAFIR220 Respond to isolated structure fire

Modification History

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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

- accessing location of fire
- applying defensive firefighting strategies and techniques
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements
- concluding firefighting operations
- identifying hazards
- identifying signs of structural collapse
- observing and reporting changes in conditions at fire
- obtaining water from reticulated and/or static water supplies
- participating in ancillary operations
- participating in debriefing sessions
- proceeding to isolated structure fire
- selecting and using firefighting equipment
- undertaking ancillary activities including assisting with damming water runoff, making up equipment and securing area
- using personal protective clothing and equipment
- utilising extinguishing media at fires

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

- ancillary activities including damming water runoff, making up equipment and securing area
- behaviour of buildings and/or structures in a fire
- causes and signs of structural collapse
- change in conditions including weather

- changes in conditions at the fire
- damage to environment
- extinguishing media
- fire behaviour
- fire ground signals including audible and/or visual
- fire tetrahedron
- firefighting techniques including defensive strategies and tactics
- hazards including electricity, gas, hazardous materials, machinery, equipment, products, smoke, darkness, heat and structural collapse
- organisational documentation, policies and procedures including those for working with ladders, ropes and lines
- personal protective clothing and equipment
- portable fire extinguishers
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including safe work practices and 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
 - range of controlled or simulated fires, firefighting equipment and extinguishing media
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

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