



Australian Government

PUAFIR612 Undertake post incident analysis

Release: 2

PUAFIR612 Undertake post incident analysis

Modification History

Release 2. This is the second release of this unit of competency in the PUA Public Safety Training Package.

- Update imported pre-requisite unit code.
- Update assessment conditions.

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 manage or participate in the analysis of an incident after the event. The analysis should review all prior, actual and post-aspects of an incident (structure, mobile and wildfire).

The unit focuses on developing and applying a systematic approach to a post-incident analysis across incidents. It is not intended to address post-incident analysis of operational activities. Application of this unit is relevant to fire investigators who conduct post-incident analysis of fire investigations.

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.

CPPINV3032 Develop factual investigation reports

PUAFIR605 Determine origin and cause of mobile property fire

One of the following:

PUAFIR603 Determine origin and cause of wildfire

PUAFIR604 Determine origin and cause of structure fire

Competency Field

Fire

Unit Sector

Fire

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

1 Participate in post-incident analysis

- 1.1** Roles and responsibilities of multi-organisational or agency and support personnel involved in post-incident analysis are determined and confirmed
- 1.2** Cooperation with multi-organisational or agency personnel in the conduct of post-incident analysis is in accordance with organisational procedures and is consistent with designated roles and responsibilities
- 1.3** Information for post-incident analysis from multi-organisational or agency personnel is identified and sought
- 1.4** Work health and safety (WHS)/occupational health and safety (OHS) procedures are followed

2 Facilitate initial assessment of incident

- 2.1** Integrity of incident site is established and maintained in accordance with organisational procedures and legal requirements to ensure objectivity of information collected
- 2.2** Statutory and legal obligations are identified and followed
- 2.3** Factors affecting the complexity of the investigation are determined and assessed
- 2.4** Stakeholders are notified in accordance with organisational procedures

3 Participate in investigation processes

- 3.1** Organisational policies and procedures for scene investigation are implemented
- 3.2** Scope of investigation is determined in accordance with organisational procedures
- 3.3** Stakeholder involvement is facilitated throughout

- investigation processes
- 3.4 Barriers impacting on post-incident analysis are identified and addressed in accordance with organisational procedures
 - 3.5 Action plans and timelines are developed and implemented
 - 3.6 Liaison with members of analysis team is undertaken in accordance with organisational procedures
- 4 Collect data for analysis**
- 4.1 Information and data, including historical, are identified and accessed
 - 4.2 Physical, visual and electronic data is collected for use in post-incident analysis
 - 4.3 Interviews are conducted in accordance with organisational procedures
 - 4.4 Information and data gathered by others is analysed
 - 4.5 Documented evidence is recorded in accordance with organisational procedures
- 5 Analyse collected data**
- 5.1 Method for analysis is identified and confirmed in accordance with organisational procedures
 - 5.2 Data is analysed in accordance with organisational procedures
 - 5.3 Timeline of events is constructed from analysis, where possible
 - 5.4 Conditions and circumstances contributing to the incident and resulting escalation are identified
 - 5.5 Relationship between human behaviour and incident is assessed
 - 5.6 Impact of the application of building codes is evaluated
 - 5.7 Likelihood of reoccurrence with high consequence is assessed and actioned for follow-up
- 6 Compile post-incident analysis report**
- 6.1 Results of analysis and recommendations are reported in accordance with organisational procedures
 - 6.2 Information and data are disseminated to key personnel

and stakeholders, as appropriate

- 6.3** Data dissemination processes are reviewed and evaluated in accordance with organisational procedures

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 PUA Public Safety Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to PUAFIR612A Undertake post incident analysis.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>

Assessment Requirements for PUAFIR612 Undertake post incident analysis

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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 and performance criteria on at least one occasion and include:

- analysing collected data
- applying work health and safety (WHS)/occupational health and safety (OHS) requirements
- collecting data for analysis, including historical
- compiling post-incident analysis reports and recommendations
- completing organisational documentation
- conducting investigations using organisationally approved scientific methods
- developing recommendations
- operating with and in an analysis team
- participating in post-incident analysis with key stakeholders and organisations
- using communication media and information technology.

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 include knowledge of:

- factors, barriers and complexities that can impact a post-incident analysis
- guidance materials
- hazard and risk mitigation measures
- internal and external sources of information and data, including historical
- key personnel, including stakeholders
- legislation, regulations, codes of practice and industry standards
- organisational documentation, policies and procedures
- resources and support personnel
- structure of analysis teams, including roles and responsibilities

- types of organisations and agencies involved in post-incident analysis
- WHS/OHS requirements, including risk mitigation.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within 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
- relevant and appropriate materials, equipment, tools and personal protective equipment (PPE) currently used in industry
- applicable documentation, including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

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