



Australian Government

PUAFIR407 Interpret and analyse fire weather information

Release: 1

PUAFIR407 Interpret and analyse fire weather information

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 assess and interpret weather information in relation to its impact on fire behaviour. It includes collecting, interpreting, analysing and recording weather information.

The unit applies to personnel who are required to provide weather predictions as part of the planning undertaken for a fire.

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

Not applicable.

Competency Field

Fire

Unit Sector

Fire

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Collect weather information

PERFORMANCE CRITERIA

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

1.1 Sources of weather information are identified and accessed

- | | | |
|---|------------|---|
| | 1.2 | Fire site information is sought from databases or experts |
| | 1.3 | General data is obtained |
| | 1.4 | Field observations are obtained and monitored |
| 2 Interpret weather information | 2.1 | Weather data is interpreted for current weather conditions in an area |
| | 2.2 | Bureau of Meteorology weather forecasts and warnings are interpreted for future weather conditions in an area |
| | 2.3 | Field weather observations are assessed |
| | 2.4 | Local weather influences likely to affect fire weather conditions are identified |
| | 2.5 | Weather forecasts are validated against field weather observations, as they become available |
| | 2.6 | Weather forecasts are evaluated for their effect on fire behaviour |
| 3 Analyse, record and communicate fire weather information | 3.1 | Analysis is conducted using weather data and forecast weather signs, local weather influences and likely impact on fire behaviour |
| | 3.2 | Quality information is provided within required timeframes for fire control planning |
| | 3.3 | Weather conditions are monitored and potential changes to fire predictions are assessed and reported |
| | 3.4 | Analysis and advice are provided to relevant personnel |

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.

Unit Mapping Information

This unit replaces and is equivalent to PUAFIR414 Interpret and analyse fire weather information.

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>