



Australian Government

PUAECO006 Read and interpret maps

Release: 1

PUAECO006 Read and interpret maps

Modification History

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

Application

This unit involves the skills and knowledge required to read and interpret maps. It includes identifying incident location from a caller, locating incidents using mapping systems, and using coordinates.

The unit applies to emergency communications personnel who locate emergency incidents and other public safety and service roles where the ability to read and interpret maps in rural and urban areas is required.

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

Pre-requisite Unit

Not applicable.

Competency Field

Emergency Communications

Unit Sector

Not applicable

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Identify incident location from caller

PERFORMANCE CRITERIA

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

- 1.1** Ascertain incident location using communication techniques
- 1.2** Receive and integrate information and reports from a variety of identified sources

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|---|------------|--|
| | 1.3 | Identify and locate map features |
| 2 Locate incidents using mapping systems | 2.1 | Enter coordinates into mapping system using information provided |
| | 2.2 | Locate incident by analysing map features |
| | 2.3 | Verify location with caller using system information |
| | 2.4 | Save location to the mapping system, in accordance with organisational procedures |
| | 2.5 | Provide directional information on request |
| 3 Use coordinates | 3.1 | Translate and interpret coordinates from provided information |
| | 3.2 | Convert coordinates into mapping location |
| | 3.3 | Determine relevant reference points from given coordinates |
| | 3.4 | Record location into relevant system, 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 Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is not equivalent to PUAECO006A Read and interpret maps.

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 PUAECO006 Read and interpret maps

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 and performance criteria on at least one occasion and includes

- accurately recording information
- calculating map coordinates from a variety of data and information
- determining and accurately relaying location of an incident determining response
- identifying features on a map
- implementing organisational policies, procedures and protocols
- using communication techniques
- working with directional information techniques

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 includes knowledge of

- communication techniques
- coordinates for mapping including grid reference and latitude and longitude (decimal degrees, minutes and seconds)
- directional information
- map features
- marginal map information meanings including key information, map scale and symbols, markings and notations
- organisational documentation, policies, procedures and protocols
- requirements for working with directional information
- sources of information types of maps, systems and standards

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 and must be undertaken in support of emergency communications centre operations. 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
 - resources required under normal operational conditions in disaster backup conditions and in field or incident management system conditions
- applicable documentation including organisational policies and procedures, industry standards, regulations, codes of practice, equipment specifications, systems and operations manuals.

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