



Australian Government

DEFPHL003 Operate environmental measuring devices

Release: 1

DEFPHL003 Operate environmental measuring devices

Modification History

Release 1. This is the first release of this unit of competency in the DEF Defence Training Package.

Application

This unit specifies the skills and knowledge required to operate environmental measuring devices as a member of the Australian Defence Force (ADF).

It includes taking environmental condition measurements and reporting data acquired from environmental measuring devices.

This unit applies to personnel working in Defence preventive medicine.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Persons undertaking this unit work independently or as part of a small team, and perform routine tasks in a range of contexts.

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

Pre-requisite Unit

Not applicable

Competency Field

Preventive Health

Unit Sector

Not applicable.

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 Take environmental condition measurements | 1.1 Check environmental measuring device for serviceability and confirm settings in accordance with manufacturer instructions |
| | 1.2 Position environmental measuring device to optimise its function and accuracy |
| | 1.3 Collect data and measurements in accordance with organisational procedures |
| | 1.4 Transfer data effectively to enable accurate interpretation using relevant information technology |
| 2 Report data acquired from environmental measuring device | 2.1 Interpret data and record environmental conditions information |
| | 2.2 Identify desired work/rest activity levels and required hydration level in accordance with operational procedures |
| | 2.3 Draft an environmental conditions report for relevant stakeholder including recommendations on work/rest activity levels and required hydration level |

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 but is not equivalent to DEFPH003A Operate environmental measuring devices.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

Assessment Requirements for DEFPHL003 Operate environmental measuring devices

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least two separate occasions and include:

- applying relevant legislation, and organisational policies and procedures
- interpreting environmental data to draw conclusions
- operating environmental measuring devices
- preparing environmental measuring devices in accordance with manufacturer instructions
- prioritising tasking
- undertaking measurements that include temperature, humidity and heat stress index.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- environmental measuring devices which must include one or more of the following:
 - altimeter
 - heat stress monitor
 - humidity meter
 - microwave oven radiation leakage detection device
 - temperature probe
- health surveillance system
- impact of the environment on human performance
- manufacturer specifications for environmental measuring devices
- relationship between heat/humidity and hydration
- relevant legislation, and organisational policies and procedures
- time management strategies to set priorities
- weather systems and patterns
- work/rest activity levels/index and required hydration level.

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 it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant materials, tools, equipment and personal protective equipment currently used in industry including:
 - environmental measuring devices
- relevant documentation including operational procedures, regulations, codes of practice and operation manuals.

Links

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