



Australian Government

DEFMIL096 Prepare and operate a field water-point

Release: 1

DEFMIL096 Prepare and operate a field water-point

Modification History

Release	Comments
1	This unit was released in DEF Defence Training Package release 1.0 and meets the Standards for Training Packages. This unit supersedes and is equivalent to DEFCA325 Prepare and operate a field water point. • Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • PC 1.10 and 2.7 removed

Application

This unit describes the skills required to prepare and operate a field water point. Suitable water sources include bores, canals, dams, existing piped supplies, lakes, oceans, rivers, or springs.

This unit applies to combat engineer personnel who are required to locate suitable water sources, select suitable work sites, operate and maintain a field water point, and refurbish sites in a deployed operational environment.

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.

Those undertaking this unit would lead a team under direct and/or indirect supervision. They use discretion and judgement, and take responsibility for the quality of their outputs. They would perform routine tasks in a broad range of unpredictable contexts.

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

Competency Field

Military Skills

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions section.
1. Prepare and plan for water acquisition	1.1 Receive and process requirement and confirm with higher authority as necessary. 1.2 Identify resource availability and serviceability and determine constraints. 1.3 Conduct analysis of the area from available data to identify potential water sources. 1.4 Conduct site surveys, risk and environmental assessments. 1.5 Develop field water point plan in accordance with survey, water quality and quantity, resources, risks and environmental considerations. 1.6 Refer problems that cannot be resolved locally to higher authority for resolution. 1.7 Confirm and monitor competence of team members. 1.8 Brief team. 1.9 Liaise with outside agencies.
2. Construct a field water point	2.1 Direct and supervise team in accordance with plan. 2.2 Organise and direct support from outside agencies. 2.3 Locate and mark local utility assets to prevent damage. 2.4 Establish routes in and out of water points. 2.5 Design and construct/establish structures. 2.6 Provide technical advice to the chain of command and/or support agencies.
3. Operate and maintain a field water point	3.1 Produce, store and distribute potable water. 3.2 Supervise water point team. 3.3 All unexpected situations that require a response are recognised and responded to in accordance with operational requirements and standard procedures. 3.4 Provide reports and data to higher authority.
4. Refurbish site and finalise activity	4.1 Refurbish site in accordance with environmental requirements. 4.2 Dispose of chemicals and waste in accordance with environmental requirements. 4.3 Recover, clean and maintain equipment, tools and materials. 4.4 Store or redeploy equipment, tools and materials. 4.5 Complete documentation.

Foundation Skills

The foundation skills demands of this unit have been mapped for alignment with the Australian Core Skills Framework (ACSF). The following tables outline the performance levels indicated for successful attainment of the unit.

ACSF levels indicative of performance:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Learning					Reading					Writing					Oral communication					Numeracy				

Performance variables:

1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Support					Context					Text complexity					Task complexity				

Further information on ACSF and the foundation skills underpinning this unit can be found in the Foundation Skills Guide on the GSA website.

Unit Mapping Information

This unit supersedes and is equivalent to DEFCA325 Prepare and operate a field water point.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

Companion Volume implementation guides are found in VETNet -

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Assessment Requirements for DEFMIL096 Prepare and operate a field water-point

Modification History

Release	Comments
1	These Assessment Requirements were released in DEF Defence Training Package release 1.0 and meet the Standards for Training Packages. • Assessment Requirements created drawing upon specified assessment information from superseded unit

Performance Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the candidate must demonstrate evidence of performance of the following on at least one occasion.

- analysing instructions
- conducting and quality assuring water analysis
- conducting risk assessment
- conducting tactical and technical water-point reconnaissance
- managing fuel/chemical spill containment
- managing the storage of water
- preparing and issuing instructions and orders
- providing advice
- selecting and maintaining routes
- supervising the construction of improvised water towers
- communicating effectively with team personnel and outside agencies
- monitoring water quality and quantity

Knowledge Evidence

Evidence required to demonstrate competence must satisfy all of the requirements of the elements and performance criteria. If not otherwise specified the depth of knowledge demonstrated must be appropriate to the job context of the candidate.

- design and construction requirements of improvised water towers
- environmental considerations:
 - chemical storage/MSDS
 - fuel/chemical spill containment

- legal responsibilities
- pathology report of water samples
- relevant legislation and procedures in relation to environmental requirements
- relevant WHS regulations/requirements, equipment, material and personal safety requirements
- requirements of a technical reconnaissance of a water point
- water analysis and storage requirements

Assessment Conditions

Competency should be demonstrated over a time frame that allows the individual to be observed in all aspects of the operation, a typical time frame would be three days.

Competency should be assessed in the workplace or in a simulated work environment. Specifically, access is required to the following resources:

- field water point equipment and accessories relevant to the task
- team
- hand tools, power tools, plant and other equipment appropriate to the supply of water
- suitable water supply
- field water point site
- pathology report of water samples

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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