DEFSUR010 Locate, treat and manage water in a survival situation

Release: 1

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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 DEFSU010B Locate, treat and manage water in a survival situation.
	• Unit code updated • Content and formatting updated to comply with new standards • All PC transitioned from passive to active voice • PC 2.1, 2.2 and 2.3 revised

Application

This unit describes the skills required to locate, treat (for human consumption) and manage water in a survival situation. This unit also includes extracting water directly through evaporation, transpiration and desalination; filtering techniques; and treating foul water to render it potable. Of equal importance to optimising the input of water, is minimising the expenditure of water. Individuals will need to protect and ration their water assets and to implement measures to minimise water loss to increase their chances of survival.

This unit was developed for Defence personnel but may be relevant to others.

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 act autonomously, while performing concrete tasks, in a broad range of contexts which may be highly unpredictable.

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

Competency Field

Survival

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. Locate and extract water	1.1 Discover water by recognising and investigating the likely locations and the indicators of water. 1.2 Collect water during periods of rain and high atmospheric moisture content. 1.3 Extract water from the ground through evaporation. 1.4 Extract water from vegetation using transpiration.
2. Prepare water for consumption	2.1 Filter water (i.e. clarify content, remove debris and large contaminants) using improvised filtration methods. 2.2 Make water safe for drinking using improvised desalinator system, including boiler (i.e. drum), collector (i.e. bag) and condenser (i.e. tube/pipe). 2.3 Taste and smell water to confirm it is safe for drinking.
3. Manage water resources	3.1 Store water using improvised storage receptacles. 3.2 Minimise loss of water by implementing water loss reduction management techniques. 3.3 Ration water in accordance with minimum daily requirements as per the survival situation.

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 N/A					Reading N/A					Writing N/A					Oral communication N/A					Numeracy N/A				

Performance variables

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

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 DEFSU010B Locate, treat and manage water in a survival situation.

Links

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

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