



Australian Government

Assessment Requirements for DEFSUR010

Locate, treat and manage water in a survival situation

Release: 1

Assessment Requirements for DEFSUR010 Locate, treat and manage water in a survival situation

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 Assessment Requirements created drawing upon specified assessment information from superseded unit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.

- assembling basic improvised equipment
- demonstrating extreme care in handling critical survival items
- extracting water through:
 - evaporation – a minimum of 20 millilitres of water in 24 hours through the use of a desert still
 - transpiration – a minimum of 200 millilitres of water in a solar day using a plastic (transpirator) bag (0.6 metres by 0.4 metres)
 - desalination – a minimum of five litres of potable water in 24 hours using the following:
 - a ten litre metal drum
 - plastic (transpirator) bag (0.6 metres by 0.4 metres)
 - pipe section (ten to twenty centimetres)

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.

- desalinator construction including:
 - drum
 - condensing tube
 - collecting device

- connections of the following to each other
- cooling options for the condensing device
- desalinator non-compliant liquids
- transpirator non-compliant vegetation

Assessment Conditions

Competency must be assessed with access to improvised desalinator kits, the desalinator is to provide the only source of water for a minimum of two days unless safety/health reasons require additional supplementation. Competency must be demonstrated once in the evaporation and transpiration of water and competency must be demonstrated in the desalination and management of water, and minimisation of water loss, over a minimum of two days.

Consideration must be given to holistic assessment with other survival units.

While a person can demonstrate the technical ability to locate and treat water, the aspect of longer-term survival, i.e. management of water (including care of the desalinator), is crucial.

Assessment under simulated survival conditions includes:

- food restrictions
- absence of normal living conditions and amenities
- significant period of time

Refer to advice in the companion volumes.

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

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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