DEFMIL097 Operate an inland modular raft or ferry

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 DEFCA326 Operate an inland modular raft or ferry.
	• Unit code updated • Content and formatting updated to comply with the new standards • All PC transitioned from passive to active voice • PC 1.13 removed

Application

This unit describes the skills required to operate an inland modular raft or ferry. The raft or ferry will consist of at least three connected, unpowered pontoons that are propelled by at least two tugs. This unit of competency covers the assembly, navigation, and manoeuvring of the raft or ferry. The raft or ferry will normally be driven in an environment of protected or inland waterways, while conducting a range of tasks including the transport of personnel and/or equipment.

This unit applies to combat engineer personnel who are required to operate an inland modular raft or ferry 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
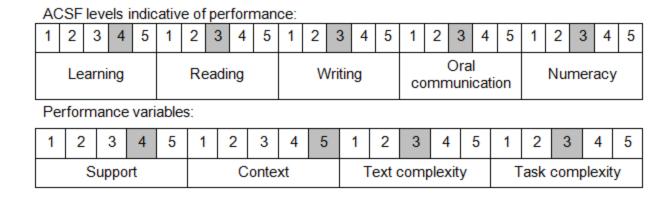
Elements and Performance Criteria

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 for raft or ferry operation	1.1 Determine task, cargo, destination and route from operating instructions. 1.2 Compile navigation data. 1.3 Check cargo weight is within the safe operating limit of the craft and complete manifests to ensure passengers and cargo are safe to move. 1.4 Conduct launch site survey, risk and environmental assessment. 1.5 Determine suitable raft or ferry design. 1.6 Develop assembly and disassembly plan in accordance with design, resources, surveys, risks and environmental considerations. 1.7 Select equipment and check for serviceability, replace or reject, and report unserviceable items. 1.8 Check operator and crew conform to relevant state/territory and federal licensing requirements. 1.9 Refer problems that cannot be resolved locally to higher authority for resolution. 1.10 Brief crew. 1.11 Liaise with outside agencies as required. 1.12 Conduct shore preparation and prepare the pontoons and tugs for launch.
2. Assemble and manoeuvre the raft or ferry	2.1 Direct and supervise crew. 2.2 Launch tugs and pontoons. 2.3 Assemble raft or ferry in accordance with assembly plan. 2.4 Brief passengers on safety issues prior to embarking. 2.5 Load raft or ferry in accordance with manifest and check security, alignment and load stability. 2.6 Navigate and manoeuvre raft or ferry consistent with hazards and environmental conditions. 2.7 Conduct contingency and emergency drills to minimise threat to personnel and equipment. 2.8 Disembark personnel and unload equipment. 2.9 Recognise and respond to unexpected situations that require a quick and decisive response in accordance with operational requirements.

3. Recover and restore raft or ferry	3.1 Disassemble raft or ferry in accordance with disassembly plan.
	3.2 Recover pontoons and tugs.
	3.3 Check equipment for serviceability, clean and service it, and report any defects.
	3.4 Complete documentation.
	3.5 Complete debriefing requirements.

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 DEFCA326 Operate an inland modular raft or ferry.

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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