

Training and Evaluation Outline Report

Status: Approved

06 Apr 2015

Effective Date: 19 Oct 2016

Task Number: 05-TM-5528

Task Title: Perform Underwater River Reconnaissance

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the MSCoE foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 3-34.81	ENGINEER RECONNAISSANCE	Yes	Yes
	ATP 3-90.4	Combined Arms Mobility	Yes	No
	ATP 5-19 (Change 001 09/08/2014 78 Pages)	RISK MANAGEMENT http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/atp5_19.pdf	Yes	No
	SS521-AG-PRO-010	U.S. Navy Diving Manual. Revision 6	Yes	No
	TM 3-34.83	ENGINEER DIVING OPERATIONS	Yes	No

Conditions: The element is directed to perform an underwater river reconnaissance in a secured area. All organic equipment and personnel are available.

Note: The Commander must still determine at what level of training they would want the element to perform. Crawl, walk or run. This can only be determined after consideration as to the units training level.

The Commander prior to evaluating an element in the conduct of the task must determine if it will be conducted in a Live, Virtual, or Constructive environment, additionally it must also be determined which condition as described below that the element will conduct the task. The selection made for this task is at a trained level of proficiency. The commander must determine which of the environments below will best suit the unit and the proficiency level at which the unit is. When conducting crawl or walk level training units should not increase the intensity until the unit has achieved the standards and then unit trainers should include variables that increase proficiency in all conditions.

Note: The condition statement for this task is written assuming the highest training conditions reflected on the Task Proficiency matrix required for the evaluated unit to receive a "fully trained" (T) rating.

Note: Condition terms definitions:

Dynamic Operational Environment: Three or more operational and two or more mission variables change during the execution of the assessed task. Operational variables and threat Tactics, Techniques, and Procedures (TTPs) for assigned counter-tasks change in response to the execution of Blue Forces (BLUFOR) tasks.

Complex Operational Environment: Changes to four or more operational variables impact the chosen friendly COA/mission. Brigade and higher units require all eight operational variables of Political, Military, Economic, Social, Infrastructure, Information, Physical environment, and Time (PMESII-PT) to be replicated in varying degrees based on the task being trained.

Single threat: Regular, irregular, criminal or terrorist forces are present.

Hybrid threat: Diverse and dynamic combination of regular forces, irregular forces, and/or criminal elements all unified to achieve mutually benefiting effects.

This task should not be trained in MOPP 4.

Standards: The element performs the underwater river reconnaissance and collects all required information, to include gap width, near and far shore approach slopes, stream velocity, bottom composition, hydrographic data and obstructions. The element completes the reconnaissance within the time specified in the directive without causing injury to personnel and damage to the equipment or environment.

Note: Leaders are defined as the Commander, Executive Officer, First Sergeant, Operations Sergeant, Platoon Leaders, Platoon Sergeants, Squad

Leaders, and Team Leaders.

Live Fire Required: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare		Execute						Assess	
Operational Environment	Training Environment (L/V/C)	Training/Authorized	% of Leaders Present at	% of Soldiers Present at	External Eval	% Performance Measures 'GO'	% Critical Performance Measures 'GO'	% Leader Performance Measures 'GO'	Task Assessment
SQD & PLT									
Dynamic (Single Threat)	IAW unit CATS statement.	>=85%	>=80%	Yes	>=91%	All	>=90%	T	
		75-84%			80-90%		80-89%	T-	
Static (Single Threat)		65-74%	75-79%	No	65-79%	<All	<=79%	P	
		60-64%	60-74%		P-				
		<=59%	<=59%		U				

Remarks: None

Notes: All required references and technical manuals will be provided by the local command.

Safety Risk: Medium

Task Statements

Cue: None

DANGER

Leaders have an inherent responsibility to conduct Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

WARNING

Risk management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All Soldiers have the responsibility to learn and understand the risks associated with this task.

CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations and activities is the responsibility of all Soldiers.

NVG: Never

NVG Statement: None

Prerequisite Collective Task(s): None

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
	71-CO-5100	Conduct Troop Leading Procedures for Companies	71 - Combined Arms (Collective)	Approved
3.	05-PLT-5509	Perform Self-Contained Underwater Breathing Apparatus (Scuba) Operations	05 - Engineers (Collective)	Approved
3.	05-PLT-5507	Perform Surface-Supplied Diving Operations	05 - Engineers (Collective)	Approved
4.	05-PLT-5507	Perform Surface-Supplied Diving Operations	05 - Engineers (Collective)	Approved
4.	05-PLT-5509	Perform Self-Contained Underwater Breathing Apparatus (Scuba) Operations	05 - Engineers (Collective)	Approved
5.	05-CO-0018	Conduct Report Procedures	05 - Engineers (Collective)	Approved

OPFOR Task(s):

Task Number	Title	Status
71-2-9015	OPFOR Fire and Maneuver (Company and below)	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	052-238-1201	Conduct a Dive Using Surface Supplied Diving Equipment	052 - Engineer (Individual)	Approved
	052-238-1202	Conduct a Dive Using SCUBA Diving Equipment	052 - Engineer (Individual)	Approved
	052-238-1532	Perform a River Reconnaissance	052 - Engineer (Individual)	Approved
	052-238-1533	Navigate Underwater by Compass	052 - Engineer (Individual)	Approved
	052-238-1607	Perform Underwater Photography	052 - Engineer (Individual)	Approved
	052-238-1639	Chart a Dive	052 - Engineer (Individual)	Approved
	052-238-1640	Operate a Diving Console	052 - Engineer (Individual)	Approved
	052-238-1641	Operate a Small Boat	052 - Engineer (Individual)	Approved
	052-238-1647	Operate a Hydrographic Survey System	052 - Engineer (Individual)	Approved
	052-238-1652	Perform an Underwater Survey	052 - Engineer (Individual)	Approved
	052-238-1653	Perform as a Member of a Degraded Hydrographic Survey Team	052 - Engineer (Individual)	Approved
	052-238-1654	Operate a Side-Scan Sonar	052 - Engineer (Individual)	Approved
	052-238-1661	Operate a Diving Communications Station	052 - Engineer (Individual)	Approved
	052-238-2511	Direct the Setup of a Scuba Station	052 - Engineer (Individual)	Approved
	052-238-2512	Direct the Setup of a Surface-Supplied Dive Station	052 - Engineer (Individual)	Approved
	052-238-2514	Direct the Breakdown of a Scuba Station	052 - Engineer (Individual)	Approved
	052-238-2515	Direct the Breakdown of a Surface-Supplied Dive Station	052 - Engineer (Individual)	Approved
	052-238-3410	Direct a Hasty Hydrographic Survey Operation	052 - Engineer (Individual)	Approved
	052-238-3411	Conduct a Pre-dive Briefing of a Surface-Supplied Dive Station	052 - Engineer (Individual)	Approved
	052-238-3412	Select a Decompression Method	052 - Engineer (Individual)	Approved
	052-238-3413	Supervise a Scuba Dive Station	052 - Engineer (Individual)	Approved
	052-238-3414	Supervise a Surface-Supplied Dive Station	052 - Engineer (Individual)	Approved
	052-238-3416	Calculate Breathing Gas Requirements to Support Diving Operations	052 - Engineer (Individual)	Approved
	052-238-3430	Supervise a River Reconnaissance Team	052 - Engineer (Individual)	Approved
	052-238-3431	Conduct a Pre-dive Briefing of a Scuba Dive Station	052 - Engineer (Individual)	Approved
	052-238-3447	Supervise a Scuba Dive	052 - Engineer (Individual)	Approved
	052-238-3448	Supervise a Surface-Supplied Dive	052 - Engineer (Individual)	Approved
	052-238-3450	Supervise a River Reconnaissance	052 - Engineer (Individual)	Approved
	052-238-3451	Supervise Hydrographic Survey	052 - Engineer (Individual)	Approved
	052-238-3452	Prepare Hydrographic Survey Products	052 - Engineer (Individual)	Approved
	052-238-3459	Supervise Underwater Survey Operations	052 - Engineer (Individual)	Approved
	052-238-4507	Coordinate River Reconnaissance Missions	052 - Engineer (Individual)	Approved
	052-238-4508	Prepare a Diving-Mission Operation Order (OPORD)	052 - Engineer (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 1.8.3	Conduct an Area Reconnaissance
ART 1.6.4	Provide Diver Support

TADSS

TADSS ID	Title	Product Type	Quantity
No TADSS specified			

Equipment (LIN)

LIN	Nomenclature	Qty
D32859	DIV EQ ST DIV SUP A	1
D17191	Instrument Set Reconnaissance and Surveying: AN/TKQ-5	1
B83856	BOAT LAND INFLT 15MAN	1
N96248	Navigation Set: Satellite Signals AN/PSN-13	1
D32927	DIV EQ ST DIV SUP B	1
D32791	DIV EQ ST PHOTO SUPP	1
B84293	Boat Landing Craft Inflatable: 7 Person	1
P34402	OUTBOARD MOTOR GAS	1
D32723	DIV EQ ST OPEN CIR	1
D49154	DIV EQ ST IND SWMMR	1

Materiel Items (NSN)

NSN	LIN	Title	Qty
No materiel items specified			

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card. .

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. .