

Summary Report for Individual Task
551-88K-2713
Conduct Plotting Techniques Onboard a Class B Vessel
Status: Approved

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

Destruction Notice: None

Foreign Disclosure: FD5 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee, VA foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: Assigned as a crewmember aboard a Class B vessel, given an Operation Order/Operations Plan (OPORD/OPLAN), a complete risk assessment, dividers, compass, triangles, protractor, nautical slide rule, no. 2 pencil, paper, eraser, nautical chart, DMA Chart No. 1, Pub No. 9, TC 4-15-51, and hand-held calculator (optional), day or night, in all weather conditions, in an operational environment scenario. Some iterations of this task should be performed in MOPP 4.

Standard: Conduct plotting techniques to navigate from one location to another with an accuracy of: bearing +/-0.5 deg., course +/-0.5 deg., speed +/-0.5 kt., variation and deviation +/-0.5 deg., time DR +/-1 min., latitude and longitude +/-1 min., and distance +/-0.5 mile.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: Given an OPORD/OPLAN to conduct plotting techniques onboard a Class B vessel.

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: None

Performance Steps

1. Plot your starting position fix.
 - a. Lay out the chart in a suitable working area.
 - b. Plot your position using latitude and longitude obtained from GPS.
 - c. Label the fix with a triangle representing an electronic fix and the time the fix was taken.

2. Plot a fix while underway.
 - a. Plot an electronic fix.
 - b. Plot a fix using 2 lines of position (LOP) at the same time.
 - c. Plot a running fix.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance steps are passed (P). Score the Soldier NO-GO if any performance step is failed (F). If the Soldier fails any step, show what was done wrong and how to do it correctly.

Evaluation Preparation: Ensure that all information, references and equipment required to perform the task are available. Use the TC and the Evaluation Guide to score the Soldier's performance. Brief the Soldier. Tell the Soldier what is required IAW the task condition and standard.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Plotted your starting position fix.			
2. Plotted a fix while underway			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	DMA CHART NO. 1	DMA CHART NO. 1	Yes	No
	PUB. NO. 9	The American Practical Navigator - Bowditch	Yes	No
	TC 4-15.51	Marine Crewman's Handbook	Yes	No

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 FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste. Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take.

Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained:

- Hazardous materials program.
- Hazardous waste program.
- Hazardous communications program.

- Pollution prevention and hazardous waste minimization recycling program.
- Spill prevention and response plan program.

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.

All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- Take personal responsibility.
- Practice safe operations.
- Recognize unsafe acts and conditions.
- Take action to prevent accidents.
- Report unsafe acts and conditions.
- Work as a team.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-2714	Compute Tide and Current Using References	551 - Transportation (Individual)	Obsolete
551-88K-2711	Perform Dead Reckoning(DR) Techniques Onboard a Vessel	551 - Transportation (Individual)	Obsolete
551-88K-2708	Interpret Operation of a Vessel's Magnetic Compass	551 - Transportation (Individual)	Obsolete

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-2714	Compute Tide and Current Using References	551 - Transportation (Individual)	Obsolete
551-88K-2711	Perform Dead Reckoning(DR) Techniques Onboard a Vessel	551 - Transportation (Individual)	Obsolete
551-88K-2708	Interpret Operation of a Vessel's Magnetic Compass	551 - Transportation (Individual)	Obsolete

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-2709	Supervise Maintenance Vessel's Nautical Charts and Publications	551 - Transportation (Individual)	Obsolete
551-88K-2708	Interpret Operation of a Vessel's Magnetic Compass	551 - Transportation (Individual)	Obsolete
551-88K-3708	Monitor Navigational Duties Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-2711	Perform Dead Reckoning(DR) Techniques Onboard a Vessel	551 - Transportation (Individual)	Obsolete
551-88K-4739	Define Basic Radar Principles and Definitions	551 - Transportation (Individual)	Approved
551-88K-2710	Supervise Operation of Navigational Instruments Onboard a Vessel	551 - Transportation (Individual)	Obsolete

551-88K-2706	Conduct Operation of a Vessel's Electronic Gyro System	551 - Transportation (Individual)	Obsolete
551-88K-2712	Perform Vessel Movements Using Aids to Navigation (ATONS)	551 - Transportation (Individual)	Obsolete
551-88K-2713	Supervise Plotting Techniques to Determine a Vessel Position	551 - Transportation (Individual)	Obsolete
551-88K-2714	Compute Tide and Current Using References	551 - Transportation (Individual)	Obsolete
551-88K-2715	Implement vessel Navigational Rules for Inland/International waters	551 - Transportation (Individual)	Obsolete

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-1508	Conduct Vessel Operations	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator SL 4	Enlisted	MOS: 88K, Skill Level: SL4, Duty Pos: TFJ
MOS 88K Watercraft Operator SL3	Enlisted	MOS: 88K, Skill Level: SL3, Duty Pos: TAV
MOS 88K Watercraft Operator-SL2	Enlisted	MOS: 88K, Skill Level: SL2, Duty Pos: TCF