

Summary Report for Individual Task
551-88K-4719
Compute Tide and Current Using References
Status: Approved

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: Assigned as a Mate or Boatswain aboard an Army vessel, you will be required to compute tide and current for safe navigation. Given a completed risk assessment, time and location, tide and current tables, paper, pencil, gummed eraser, nautical chart, in all weather conditions day or night and in MOPP level if required in an operational environment scenario. Some iterations of this task should be performed in MOPP 4.

Standard: On orders, you must properly compute the tide, current velocity and direction within +/-0.5 knots. You must accomplish these tasks within the variance for a specific location and time.

Special Condition: None

Safety Level: Low

MOPP: Sometimes

Task Statements

Cue: None

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Obtains up-to-date tide and current table.
2. Obtains up to date TC 4-15.51 for examples, explanation, and extracts from the current table.
3. Utilize the individual steps in TC 4-15.51 for practical exercise.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the soldier GO if all steps are passed (P). Score the soldier NO-GO if any steps 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 FM and the evaluation guide to score the soldier's performance. Brief the soldier. Tell the soldier what he is required to do IAW the task conditions and standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Obtained up-to-date tide and current table.			
2. Obtained up to date TC 4-15.51 for examples, explanation and extracts from the current table.			
3. Utilized the individual steps in TC 4-15.51 for practical exercise.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	88K20D01	Nautical Charts	Yes	No
	NOS PBTCTATCSTN4	Tidal Current Tables - Atlantic Coast.	Yes	No
	NOS PBTTECSTNSA4	Tide Tables - Atlantic Coast.	Yes	No
	NOS PBCATALOG 1	NOS Nautical Chart Catalog No.1	Yes	No
	PUB. NO. 9	The American Practical Navigator - Bowditch	Yes	No
	TC 4-15.51	MARINE CREWMAN'S HANDBOOK	Yes	No
	TIDAL CURRENT TABLES	Tidal Current Tables	Yes	No
	WOBZC1	NAUTICAL CHART SYMBOLS AND ABBREVIATIONS	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. All operations will conform to the Army Environmental Policy, local, state and federal environmental regulations, AR 385-10, the Clean Air Act (CAA) and CAA amendments.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
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551-88K-2709	Maintain Vessel Nautical Charts and Publications Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-2713	Conduct Plotting Techniques Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-2714	Compute Tide and Current Using References	551 - Transportation (Individual)	Approved
551-88K-2711	Perform Dead Reckoning(DR) Techniques Onboard a Class-B Vessel	551 - Transportation (Individual)	Approved
551-88K-3511	Monitor Watch Standing Procedures Onboard a Vessel	551 - Transportation (Individual)	Approved

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-3502	Monitor Unimproved Port Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3510	Monitor Rescue Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3512	Monitor Vessel Anchoring Operations	551 - Transportation (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88k-3505	Monitor Vessel Undocking and Docking Operations, Class A Vessel	551 - Transportation (Individual)	Approved
551-88k-3506	Monitor Vessel Beaching and Retracting Operations, Class A Vessel	551 - Transportation (Individual)	Approved
551-88K-3502	Monitor Unimproved Port Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3501	Monitor Fixed Port Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3507	Monitor Inland Towing Operations Onboard a Vessel	551 - Transportation (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0049	Provide Vessel Support for Offshore Cargo Operations	55 - Transportation (Collective)	Approved
55-2-0023	Provide Mission Command of All Marine Related Activities in Support of LOTS Operations to Discharge and Load RO/RO, LO/LO, and Containers.	55 - Transportation (Collective)	Approved
55-2-0042	Plan Vessel Towing Operations.	55 - Transportation (Collective)	Approved
55-2-0031	Conduct Pier Operations.	55 - Transportation (Collective)	Approved
55-2-0080	Provide Operational Control for Vessels	55 - Transportation (Collective)	Approved
55-2-0047	Perform Search and Rescue Operations	55 - Transportation (Collective)	Approved
55-2-0008	Conduct Watercraft Salvage Operations	55 - Transportation (Collective)	Approved
55-2-0008	Conduct Watercraft Salvage Operations	55 - Transportation (Collective)	Proposed
55-2-0044	Recover Disable Vessel with Large Tug.	55 - Transportation (Collective)	Approved
55-2-0039	Conduct Towing 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