

Summary Report for Individual Task  
551-88K-4713  
Monitor Operations of a Vessel's Magnetic Compass  
Status: Approved

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

**Destruction Notice:** None

**Foreign Disclosure: FD6** - 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 foreign countries on a case-by-case basis.

**Condition:** Assigned as a Small Tug Master, First Mate or a Boatswain onboard an Army vessel, given an Operation Order/ Operation Plan (OPORDER/OPLAN), a completed risk assessment, all applicable publications, forms, records, tools, materials, personnel, and equipment, day or night, in all weather conditions, in an operational environment scenario. Some iterations of this task should be performed in MOPP 4.

**Standard:** Verify the operator accurately determines the cardinal directions using the proper procedures and terms while underway during normal or heavy sea without injury to personnel or damage to equipment.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Sometimes

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|------------------------|
| <b>Task Statements</b> |
|------------------------|

**Cue:** Given a requirement to monitor operations of a vessel's magnetic compass.

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| <b>DANGER</b> |
| None          |

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| <b>WARNING</b> |
| None           |

|                |
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| <b>CAUTION</b> |
| None           |

**Remarks:** None

**Notes:** This task may be performed on any vessel equipped with a compass.

**Performance Steps**

1. Monitor the operator identifying the nautical directions during the compass operation: N, NE, E SE, S, SW, W, and NW.
2. Monitor the operator identifying degrees 0-360.
3. Monitor the operator identifying the vessel's nautical direction using the magnetic compass.

(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 materials required to perform the task are available. Tell the Soldier that he/she will be evaluated on monitoring operations of a vessel's magnetic compass.

| PERFORMANCE MEASURES   | GO | NO-GO | N/A |
|--|----|-------|-----|
| 1. Monitored the operator identifying the nautical directions during the compass operation: N, NE, E SE, S, SW, W, and NW. |    |       |     |
| 2. Monitored the operator identifying degrees 0-360.   |    |       |     |
| 3. Monitored the operator identifying the vessel's nautical direction using the magnetic compass.                          |    |       |     |

**Supporting Reference(s):**

| Step Number | Reference ID | Reference Name                              | Required | Primary |
|-------------|--------------|---|----------|---------|
|             | PUB. NO. 9   | The American Practical Navigator - Bowditch | No       | 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.

- (a) Take personal responsibility.
- (b) Practice safe operations.

- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

**Prerequisite Individual Tasks :**

| Task Number  | Title   | Proponent                         | Status   |
|--------------|---|-----------------------------------|----------|
| 551-88K-2708 | Interpret Magnetic Compass Onboard a Class B Vessel | 551 - Transportation (Individual) | Approved |
| 551-88K-3706 | Monitor a Vessel Electronic Gyro System             | 551 - Transportation (Individual) | Approved |

**Supporting Individual Tasks :**

| Task Number  | Title  | Proponent                         | Status   |
|--------------|--|-----------------------------------|----------|
| 551-88K-3706 | Monitor a Vessel Electronic Gyro System            | 551 - Transportation (Individual) | Approved |
| 551-88K-3510 | Monitor Rescue Operations Onboard a Vessel         | 551 - Transportation (Individual) | Approved |
| 551-88K-3511 | Monitor Watch Standing Procedures Onboard a Vessel | 551 - Transportation (Individual) | Approved |

**Supported Individual Tasks :** None

**Supported Collective Tasks :**

| Task Number | Title                                | Proponent                        | Status   |
|-------------|--------------------------------------|----------------------------------|----------|
| 55-2-0047   | Perform Search and Rescue 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 |