

Summary Report for Individual Task
551-88K-2514
Conduct Vessel Preservation Onboard a Class B Vessel
Status: Approved

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 Coxswain onboard a Class B vessel, given an Operation Order/Operations Plan (OPORD/OPLAN), a completed risk assessment, DA Form 2404, DA Form 5587, TB 43-0144, TC 4-15.51, rotary chipping tool, portable grinder, wire brush, sandpaper, paint, paint brushes, chipping hammer and Personal Protective Equipment (PPE), 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 vessel preservation ensuring surfaces are free of rust and corrosion without injury to personnel or damage to equipment or vessel IAW TB 43-0144 and TC 4-15.51.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

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

DANGER

None

WARNING

NEVER ALLOW ANYONE TO OPERATE A POWER TOOL THAT IS NOT FUNCTIONING PROPERLY.

NEVER USE PAINT REMOVERS AROUND AN OPEN FLAME BECAUSE SOME OF THEM CONTAIN FLAMMABLE INGREDIENTS. DO NOT USE THEM IN CONFINED SPACES DUE TO POSSIBLE DANGEROUS ANESTHETIC PROPERTIES.

DO NOT USE PAINT AND VARNISH REMOVERS IF YOU HAVE OPEN CUTS OR SORES ON YOUR HANDS (UNLESS YOU ARE WEARING RUBBER GLOVES). AVOID LETTING THE REMOVER TOUCH YOUR SKIN (WATCH OUT PARTICULARLY FOR YOUR FACE, EYES, AND MOUTH).

IF PAINT REMOVER TOUCHES THE SKIN AND BEGINS TO BURN, WASH IT OFF WITH COLD WATER IMMEDIATELY AND GET MEDICAL ASSISTANCE.

NEVER USE TURPENTINE, SPIRITS, OR OTHER THINNERS FOR CLEANING YOUR HANDS; THEY CAN BE ABSORBED THROUGH THE SKIN.

USE HAND SOAP AND WATER OR A COMMERCIAL HAND CLEANER. STUBBORN PAINT SPOTS USUALLY CAN BE REMOVED BY RUBBING WITH PETROLEUM JELLY. A LUBRICATING OIL OR DIESEL OIL CAN BE USED IF, IMMEDIATELY AFTER USE, YOU WASH YOUR HANDS THOROUGHLY WITH SOAP AND WATER.

CAUTION

Note the flash point listed on container labels and take adequate precautions. Apply only when electrical equipment in the same and adjacent compartments is deenergized and surfaces to be painted are in a cold-iron condition.

Remarks: None

Notes: DO NOT paint the following:

- Start-stop mechanisms of electrical safety devices and control switchboards on machinery.
- Bell pulls, sheaves, annunciator chains, and other mechanical communication devices.
- Exposed composition metal parts of any machinery.
- Identification plates.
- Joint faces of gaskets and packing surfaces.
- Lubricating gear, such as oil holes, oil or grease cups, zerk fittings, lubricators, and surfaces in contact with lubricating oil.
- Lubricating oil reservoirs.
- Machined metal surfaces of reciprocating engines or pumps.
- Rods, gears, universal joints, and couplings of valve operating gear.
- Ground plates.
- Springs.
- Strainers.
- Threaded parts.
- Zinc.
- Working surfaces.
- Hose and applicator nozzles.
- Knife edges, rubber gaskets, dogs, drop bolts, wedges, and operating gear of watertight doors, hatches, and scuttles.
- Electrical contact points and insulators.
- Internal surfaces of ventilation ducts.

Performance Steps

1. Identify areas on the vessel that need to be painted.
2. Record areas that need to be painted on DA Form 2404.
Note: If there are areas on the vessel that need major restorative work, record them on DA Form 5587. The supervisor will determine if the identified areas can be preserved or the vessel needs to be sent to the shipyard for restoration.
3. Don proper Personal Protective Equipment (PPE).
4. Read Material Safety Data Sheet (MSDS) on the paint and primer.
5. Prepare surfaces that require painting.
6. Apply primer to the prepared surfaces.
7. Apply finishing coat of paint when the primer has dried without any discrepancies.
8. Inspect work upon completion.
9. Record completion of work on DA Form 2404.
10. Report to supervisor.

(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 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. Identified areas on the vessel that needed to be painted.			
2. Recorded areas that needed to be painted on DA Form 2404.			
3. Donned proper PPE.			
4. Read MSDS on the paint and primer.			
5. Prepared surfaces that required painting.			
6. Applied primer to the prepared surfaces.			
7. Applied finishing coat of paint when the primer had dried without any discrepancies.			
8. Inspected work upon completion.			
9. Recorded completion of work on DA Form 2404.			
10. Reported to supervisor.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	DA FORM 2404	EQUIPMENT INSPECTION AND MAINTENANCE WORKSHEET	Yes	No
	DA FORM 5587	REPORT OF DRYDOCKING, PAINTING AND CONDITION OF VESSEL BOTTOM	No	No
	TB 43-0144	PAINTING OF WATERCRAFT	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. 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-1503	Perform Vessel Preservation	551 - Transportation (Individual)	Approved

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0008	Conduct Watercraft Salvage Operations	55 - Transportation (Collective)	Approved

ICTL Data :

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