

Summary Report for Individual Task
551-88M-3339
Perform Advanced Vehicle Recovery Operations and BDAR
Status: Approved

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

Destruction Notice: None

Foreign Disclosure: FD3 - This training product has been reviewed by the developers in coordination with the Fort Lee, Va foreign disclosure officer. This training product cannot be used to instruct international military students.

Condition: In an operational environment, given a disabled vehicle in need of recovery or repair, basic knowledge of your units Maintenance/Recovery SOP, and the Vehicle's BII. Some iterations of this task should be performed in MOPP 4. This task should be trained under IED Threat conditions.

Standard: Perform recovery/repair Battle Damage Assessment and Repair (BDAR) to the disabled vehicle in order to enable the vehicle to be successfully returned to base without injury to personnel or causing further damage to equipment.

Special Condition: None

Safety Risk: High

MOPP 4: Sometimes

Task Statements

Cue: You are in a convoy and one of your vehicles becomes disabled while enroute. You are in a hostile environment and no immediate mechanical assistance is available. You must supervise your operator in either recovering the vehicle or in performing BDAR. You must also ensure that it is properly annotated so the vehicle can be put back to its original state when you return from your convoy (if BDAR is used).

DANGER

Soldiers must be aware of the inherent dangers of working in and around tactical wheeled vehicles. Hot vehicles, Hot surfaces, sharp, moving objects such as fan blades, slippery surfaces, and excessively loud noises are all dangers. These dangers are also applicable to hazardous cargo being transported (explosive hazard) (as applicable). Each Soldier should take every precaution not to become a victim of these dangers by following regulatory guidance and risk management rules. If armed the vehicle has additional ammunition explosive and negligent discharge hazards.

WARNING

Soldiers must adhere to all WARNINGS published in the applicable publication for the vehicle or equipment as well as instruction from local SOP and leadership.

CAUTION

Soldiers must adhere to all CAUTIONS published in the applicable publication for the vehicle or equipment as well as instruction from local SOP and leadership.

Remarks: None

Notes: None

Performance Steps

1. State the policy on BDAR in unit standing operating procedures (SOPs).
2. Confirm unit personnel can state the command BDAR policy.
3. Verify BDAR manuals are on hand for all unit and supported equipment.
4. Verify vehicle operators and mechanics are trained in BDAR procedures.
5. Ensure training of new BDAR techniques.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Battlefield recovery and battle damage assessment and repair (BDAR) are separate and distinct subsets of maintenance. Both are the owning units' responsibilities and both have a fundamental purpose of returning combat assets to the battlefield as soon as possible. The purpose of recovery is to rapidly free mired equipment or remove disabled equipment from the battlefield. The purpose of BDAR is to apply expedient repairs allowing the equipment to self-recover and continue the mission.

Self-recovery starts at the location where the equipment becomes mired or disabled. The operator/crew uses the basic issue items (BII) and additional authorized list or on-vehicle equipment items to perform self-recovery.

When the equipment has a mechanical failure, the operator/crew will use the equipment's technical manual (TM) to perform troubleshooting procedures with the tools available in the BII and additional authorized list or on-vehicle equipment. When self-recovery fails, the operator/crew can request assistance from available like vehicles.

Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If any performance measure is failed, tell the soldier what was done wrong and how to do it correctly.

Evaluation Preparation: BDAR is the procedure used to rapidly return disabled equipment to the operational commander by field-expedient repair of components. BDAR restores the minimum essential combat capabilities necessary to support a specific combat mission or to enable the equipment to self-recover. BDAR is accomplished by bypassing components or safety devices, cannibalizing parts from like or lower priority equipment, fabricating repair parts, jury-rigging, taking shortcuts to standard maintenance, and using substitute fluids, materials or components. Depending on the repairs required and the amount of time available, repairs may or may not return the vehicle to a fully mission-capable status. Operators/crew, maintenance teams, or recovery teams may perform BDAR.

Based on a unit's standard operating procedures (SOP) and at the commander's discretion, anyone can perform BDAR depending on the extent of repairs required and operational variables. The commander decides whether or not to use BDAR instead of standard maintenance procedures. Expedient repairs may or may not return the vehicle to a fully mission-capable status.

Brief Soldier on task specifications. Provide a disabled vehicle in need of recovery or repair, basic knowledge of your units Maintenance/Recovery SOP, and the Vehicle's BII.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Stated the policy on BDAR in unit standing operating procedures (SOPs).			
2. Confirmed unit personnel could state the command BDAR policy.			
3. Verified BDAR manuals were on hand for all unit and supported equipment.			
4. Verified vehicle operators and mechanics were trained in BDAR procedures.			
5. Ensured training of new BDAR techniques.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 4-31	Recovery and Battle Damage Assessment and Repair	Yes	No
	TC 21-305-20	Manual for the Wheeled Vehicle Operator {AFMAN 24-306(I)}	Yes	No
	TC 43-4	COMMANDERS AND SHOP OFFICERS GUIDE FOR SUPPORT MAINTENANCE MANAGEMENT	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. Make every effort to reduce or eliminate contaminant spillage. Materials and reactionary measures should be in place (SOP) to immediately recover any spillage that occurs within the motor pool operational area. Preventive measures should be stipulated in the motor pool SOP. Enforce compliance with SOP guidelines regarding environmental issues.

Certain measures that may be taken are, but not limited to:
 Designate POL storage area and recycling of used oils and lubricants.
 Provide and use drip pans for each vehicle, if tactically feasible.
 Identify spillage quickly and respond immediately.

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.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
551-88M-1661	Perform Hasty/Self-Recovery of a Wheeled Vehicle	551 - Transportation (Individual)	Superseded
551-88M-1364	Operate Vehicle with Standard, Automatic/Semiautomatic Transmission	551 - Transportation (Individual)	Approved
551-88M-1658	Prepare Vehicle for Convoy Operations	551 - Transportation (Individual)	Superseded
551-88M-1364	Operate Vehicle With Standard or Automatic/Semiautomatic Transmission	551 - Transportation (Individual)	Superseded
551-88M-1361	Operate Vehicle Under Adverse Weather Conditions	551 - Transportation (Individual)	Superseded
551-88M-1500	Operate the PLS/HEMTT-LHS Truck	551 - Transportation (Individual)	Approved
551-88M-1359	Operate a Vehicle in a Convoy	551 - Transportation (Individual)	Approved
551-88M-1368	Operate Vehicle With Semitrailer on Secondary Roads/Trails/Cross-Country	551 - Transportation (Individual)	Delete
551-88M-1500	Operate PLS/HEMTT-LHS Truck	551 - Transportation (Individual)	Superseded
551-88M-1359	Operate a Vehicle in a Convoy	551 - Transportation (Individual)	Superseded
551-88M-1361	Operate Vehicle Under Adverse Conditions	551 - Transportation (Individual)	Approved
551-88M-2375	Drive a Heavy Equipment Transporter (HET) on Improved Roads	551 - Transportation (Individual)	Superseded
551-88M-1658	Prepare Vehicle for Convoy Operations	551 - Transportation (Individual)	Approved

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88M-1352	Perform Preventive Maintenance Checks	551 - Transportation (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88M-1359	Operate a Vehicle in a Convoy	551 - Transportation (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0011	Transport Personnel and Cargo	55 - Transportation (Collective)	Approved
55-2-4003(Step: 7.)	Conduct Tactical Convoy during Offense, Defense, Stability and Defense Support of Civil Authorities (DSCA) operations	55 - Transportation (Collective)	Approved
17-5-5165	Conduct Recovery of a High Mobility Multipurpose Wheeled Vehicle	17 - Armor (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88M - Motor Transport Operator SL3	Enlisted	MOS: 88M, Skill Level: SL3