SOLDIER’S MANUAL AND TRAINER’S GUIDE

MOS 91S

STRYKER SYSTEMS MAINTAINER

SKILL LEVELS 1 AND 3

DECEMBER 2015

HEADQUARTERS, DEPARTMENT OF THE ARMY

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Soldier’s Manual and Trainer’s Guide

MOS 91S

Military Occupational Specialty (MOS) 91S Stryker Systems Maintainer

SKILL LEVELS SL1, and SL3

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PREFACE

This publication is for Skill Level (SL) 1 and SL3 Soldiers holding Military Occupational Specialty (MOS) 91S and for trainers and first-line supervisors. It contains standardized training objectives, in the form of task summaries, to train and evaluate Soldiers on critical tasks that support unit missions during wartime. Trainers and first-line supervisors should ensure Soldiers holding MOS/SL MOS 91S SL1/SL3 have access to this publication. This STP is available for download from the Central Army Registry (CAR) and is located at: https://rdl.train.army.mil/catalog/#/dashboard.

This publication applies to the Active Army, the Army National Guard (ARNG)/Army National Guard of the United States (ARNGUS), and the U.S. Army Reserve (USAR) unless otherwise stated.

The proponent of this publication is HQ, TRADOC. Send comments and recommendations on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to Commander, CASCOM SCOE (ATCL-TDF), G-3 Training & Doctrine Development, SUITE 1036, 2221 Adams Ave, Fort Lee, VA 23801-2102.
CHAPTER 1

Introduction

1.1 General

The Soldier Training Publication (STP) identifies the individual Military Occupational Specialty (MOS) training requirements for Soldiers in various specialties. For example, another source of STP task data is the General Dennis J. Reimer Training and Doctrine Digital Library at http://www.adtdl.army.mil/atdls.htm. Commanders, trainers, and Soldiers should use the STP to plan, conduct, and evaluate individual training in units. The STP is the primary MOS reference to support the self-development and training of every Soldier in the unit. It is used with the Soldier’s Manual of Common Tasks and Army Doctrine Reference Publication (ADRP) 7-0, Training Units and Developing Leaders, to establish effective training plans and programs that integrate Soldier, leader, and collective tasks. This chapter explains how to use the STP in establishing an effective individual training program. It includes doctrinal principles and implications outlined in ADRP 7-0. Based on these guidelines, commanders and unit trainers must tailor the information to meet the requirements for their specific unit.

1.2 Training Requirement

Every Soldier, Non-Commissioned Officer (NCO), warrant officer, and officer has one primary mission — to be trained and ready to fight and win our nation’s wars. Success in battle does not happen by accident; it is a direct result of tough, realistic, and challenging training.

   a. Operational Environment.

      (1) Commanders and leaders at all levels must conduct training with respect to a wide variety of operational missions across the full spectrum of operations. These operations may include combined arms, joint, multinational, and interagency considerations, and span the entire breadth of terrain and environmental possibilities. Commanders must strive to set the daily training conditions as closely as possible to those expected for actual operations.

      (2) The operational missions of the Army include not only war, but also Military Operations Other Than War (MOOTW). Operations may be conducted as major combat operations, a small-scale contingency, or a peacetime military engagement. Offensive and defensive operations normally dominate military operations in war along with some small-scale contingencies. Stability operations and support operations dominate in MOOTW. Commanders at all echelons may combine different types of operations simultaneously and sequentially to accomplish missions in war and MOOTW. These
missions require training since future conflict will likely involve a mix of combat and MOOTW, often concurrently. The range of possible missions complicates training. Army forces cannot train for every possible mission; they train for war and prepare for specific missions as time and circumstances permit.

(3) One type of MOOTW is the Chemical, Biological, Radiological, Nuclear, and High-Yield Explosive (CBRNE) event. To assist commanders and leaders in training their units, CBRNE-related information is being included in Army Medical Department (AMEDD) Mission Training Plans (MTPs). Even though most collective tasks within an MTP may support a CBRNE event, the ones that will most directly be impacted are clearly indicated with a statement in the CONDITION that reads: "THIS TASK MAY BE USED TO SUPPORT A CBRNE EVENT." These collective tasks and any supporting individual tasks in this Soldier's manual should be considered for training emphasis.

(4) Our forces today use a train-alert-deploy sequence. We cannot count on the time or opportunity to correct or make up training deficiencies after deployment. Maintaining forces that are ready now, places increased emphasis on training and the priority of training. This concept is a key link between operational and training doctrine.

(5) Units train to be ready for war based on the requirements of a precise and specific mission. In the process they develop a foundation of combat skills that can be refined based on the requirements of the assigned mission. Upon alert, commanders assess and refine from this foundation of skills. In the train-alert-deploy process, commanders use whatever time the alert cycle provides to continue refinement of mission-focused training. Training continues during time available between alert notification and deployment, between deployment and employment, and even during employment as units adapt to the specific battlefield environment and assimilate combat replacements.

b. How the Army Trains the Army.

(1) Training is a team effort and the entire Army — Department of the Army Commands (ACOMs), the institutional training base, units, the Combat Training Centers (CTCs), each individual Soldier, and the civilian workforce — has a role that contributes to force readiness. Department of the Army and ACOMs are responsible for resourcing the Army to train. The Institutional Army, including schools, training centers, and NCO academies, for example, train Soldiers and leaders to take their place in units in the Army by teaching the doctrine and Tactics, Techniques, and Procedures (TTP). Units, leaders, and individuals train to standard on their assigned critical individual tasks. The unit trains first as an organic unit and then as an integrated component of a team. Before the unit can be trained to function as a team, each Soldier must be trained to perform their individual supporting tasks to standard. Operational deployments and major training opportunities, such as major training exercises, CTCs, and ARTEP evaluations provide rigorous, realistic, and stressful training and operational experience under actual or simulated combat and operational conditions to enhance unit readiness and produce bold, innovative leaders. The result of this Army-wide team effort is a
training and leader development system that is unrivaled in the world. Effective training produces the force — Soldiers, leaders, and units — that can successfully execute any assigned mission.

(2) The Army Training and Leader Development Model (Figure 1-1) centers on developing trained and ready units led by competent and confident leaders. The model depicts an important dynamic that creates a lifelong learning process. The three core domains that shape the critical learning experiences throughout a Soldier’s and leader’s time span are the operational, institutional, and self-development domains. Together, these domains interact using feedback and assessment from various sources and methods to maximize warfighting readiness. Each domain has specific, measurable actions that must occur to develop our leaders.

(a) The operational domain includes home station training, CTC rotations, and joint training exercises and deployments that satisfy national objectives. Each of these actions provides foundational experiences for Soldier, leader, and unit development.

(b) The institutional domain focuses on educating and training Soldiers and leaders on the key knowledge, skills, and attributes required to operate in any environment. It includes individual, unit and joint schools, and advanced education.

(c) The self-development domain, both structured and informal, focuses on taking those actions necessary to reduce or eliminate the gap between operational and institutional experiences.

![Figure 1-1. Army Training and Leader Development Model](image)

(3) Throughout this lifelong learning and experience process, there is formal and informal assessment and feedback of performance to prepare leaders and Soldiers for their next level of responsibility. Assessment is the method used to determine the proficiency and potential of leaders against a known standard. Feedback must be clear,
formative guidance directly related to the outcome of training events measured against standards.

c. Leader Training and Leader Development.

(1) Competent and confident leaders are a prerequisite to the successful training of units. It is important to understand that leader training and leader development are integral parts of unit readiness. Leaders are inherently Soldiers first and should be technically and tactically proficient in basic Soldier skills. They are also adaptive, capable of sensing their environment, adjusting the plan when appropriate, and properly applying the proficiency acquired through training.

(2) Leader training is an expansion of these skills that qualifies them to lead other Soldiers. As such, doctrine and principles of training require the same level of attention of senior commanders. Leader training occurs in the Institutional Army, the unit, the CTCs, and through self-development. Leader training is just one portion of leader development.

(3) Leader development is the deliberate, continuous, sequential, and progressive process, grounded in Army values, that grows Soldiers and civilians into competent and confident leaders capable of decisive action. Leader development is achieved through the life-long synthesis of the knowledge, skills, and experiences gained through institutional training and education, organizational training, operational experience, and self-development. Commanders play the key role in leader development that ideally produces tactically and technically competent, confident, and adaptive leaders who act with boldness and initiative in dynamic, complex situations to execute mission-type orders achieving the commander’s intent.

(4) A life cycle management diagram for Soldiers is on page 1-5. You can find more information and check for updates at http://das.cs.amedd.army.mil/ooc.htm (scroll down to LIFE CYCLE MANAGEMENT, select ENLISTED, and find the appropriate tab along the bottom). This information, combined with the MOS Training Plan in Chapter 2, forms the career development model for the MOS.

d. Training Responsibility. Soldier and leader training and development continue in the unit. Using the institutional foundation, training in organizations and units focuses and hones individual and team skills and knowledge.

(1) Commander Responsibility.

(a) The unit commander is responsible for the wartime readiness of all elements in the formation. The commander is, therefore, the primary trainer of the organization and is responsible for ensuring that all training is conducted in accordance with the STP to the Army standard.
(b) Commanders ensure STP standards are met during all training. If a Soldier fails to meet established standards for identified MOS tasks, the Soldier must retrain until the tasks are performed to standard. Training to standard on MOS tasks is more important than completion of a unit training event such as an ARTEP evaluation. The objective is to focus on sustaining MOS proficiency — this is the critical factor commanders must adhere to when training individual Soldiers in units.

(2) NCO Responsibility.

(a) A great strength of the US Army is its professional NCO Corps who takes pride in being responsible for the individual training of Soldiers, crews, and small teams. The NCO support channel parallels and complements the chain of command. It is a channel of communication and supervision from the Command Sergeant Major (CSM) to the First Sergeants (1SGs) and then to other NCOs and enlisted personnel. NCOs train Soldiers to the non-negotiable standards published in STPs. Commanders delegate authority to NCOs in the support channel as the primary trainers of individual, crew, and small team training. Commanders hold NCOs responsible for conducting standards-based, performance-oriented, battle-focused training and providing feedback on individual, crew, and team proficiency. Commanders define responsibilities and authority of their NCOs to their staffs and subordinates.

(b) NCOs continue the Soldierization process of newly assigned enlisted Soldiers, and begin their professional development. NCOs are responsible for conducting standards-based, performance-oriented, battle-focused training. They identify specific individual, crew, and small team tasks that support the unit’s collective mission essential tasks; plan, prepare, rehearse, and execute training; and evaluate training and conduct After Action Reviews (AARs) to provide feedback to the commander on individual, crew, and team proficiency. Senior NCOs coach junior NCOs to master a wide range of individual tasks.

(3) Soldier Responsibility. Each Soldier is responsible for performing individual tasks identified by the first-line supervisor based on the unit’s Mission Essential Task List (METL). Soldiers must perform tasks to the standards included in the task summary. If Soldiers have questions about tasks or which tasks in this manual they must perform, they are responsible for asking their first-line supervisor for clarification, assistance, and guidance. First-line supervisors know how to perform each task or can direct Soldiers to appropriate training materials, including current field manuals, technical manuals, and Army regulations. Soldiers are responsible for using these materials to maintain performance. They are also responsible for maintaining standard performance levels of all Soldier’s Manual of Common Tasks at their current skill level and below. Periodically, Soldiers should ask their supervisor or another Soldier to check their performance to ensure that they can perform the tasks.
1.3 Battle-Focused Training

Battle focus is a concept used to derive peacetime training requirements from assigned and anticipated missions. The priority of training in units is to train to standard on the wartime mission. Battle focus guides the planning, preparation, execution, and assessment of each organization's training program to ensure its members train as they are going to fight. Battle focus is critical throughout the entire training process and is used by commanders to allocate resources for training based on wartime and operational mission requirements. Battle focus enables commanders and staffs at all echelons to structure a training program that copes with non-mission-related requirements while focusing on mission essential training activities. It is recognized that a unit cannot attain proficiency to standard on every task whether due to time or other resource constraints. However, unit commanders can achieve a successful training program by consciously focusing on a reduced number of METL tasks that are essential to mission accomplishment.

a. Linkage between METL and STP. A critical aspect of the battle focus concept is to understand the responsibility for and the linkage between the collective mission essential tasks and the individual tasks that support them. For example, the commander and the CSM/1SG must jointly coordinate the collective mission essential tasks and supporting individual tasks on which the unit will concentrate its efforts during a given period. This task hierarchy is provided in the task database at the Reimer Digital Library. The CSM/1SG must select the specific individual tasks that support each collective task to be trained. Although NCOs have the primary role in training and sustaining individual Soldier skills, officers at every echelon remain responsible for training to established standards during both individual and collective training. Battle focus is applied to all missions across the full spectrum of operations.

b. Relationship of STPs to Battle-focused Training. The two key components of any STP are the Soldier's Manual (SM) and Trainer's Guide (TG). Each gives leaders important information to help implement the battle-focused training process. The trainer's guide relates Soldier and leader tasks in the MOS and skill level to duty positions and equipment. It states where the task is trained, how often training should occur to sustain proficiency, and who in the unit should be trained. As leaders assess and plan training, they should rely on the trainer's guide to help identify training needs.

(1) Leaders conduct and evaluate training based on Army-wide training objectives and on the task standards published in the Soldier's manual task summaries or in the Reimer Digital Library. The task summaries ensure that --

(a) Trainers in every unit and location define task standards the same way.
(b) Trainers evaluate all Soldiers to the same standards.
(2) Figure 1-2 shows how battle-focused training relates to the trainer's guide and Soldier's manual:

(a) The left column shows the steps involved in training Soldiers.
(b) The right column shows how the STP supports each of these steps.

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<tr>
<th>BATTLE-FOCUS PROCESS</th>
<th>STP SUPPORT PROCESS</th>
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<tr>
<td>Select supporting Soldier tasks</td>
<td>Use TG to relate tasks to METL</td>
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<tr>
<td>Conduct training assessment</td>
<td>Use TG to define what Soldier tasks to assess</td>
</tr>
<tr>
<td>Determine training objectives</td>
<td>Use TG to set objectives</td>
</tr>
<tr>
<td>Determine strategy; plan for training</td>
<td>Use TG to relate Soldier tasks to strategy</td>
</tr>
<tr>
<td>Conduct pre-execution checks</td>
<td>Use SM task summary as source for task performance</td>
</tr>
<tr>
<td>Execute training; conduct after action review</td>
<td>Use SM task summary as source for task performance</td>
</tr>
<tr>
<td>Evaluate training against established standards</td>
<td>Use SM task summary as standard for evaluation</td>
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Figure 1-2. Relationship of Battle-focused Training and STP

1.4 Task Summary Format

Task summaries outline the wartime performance requirements of each critical task in the SM. They provide the Soldier and the trainer with the information necessary to prepare, conduct, and evaluate critical task training. As a minimum, task summaries include information the Soldier must know and the skills that he must perform to standards for each task. The format of the task summaries included in this SM is as follows:

a. Task Title. The task title identifies the action to be performed.

b. Task Number. A 10-digit number identifies each task or skill. This task number, along with the task title, must be included in any correspondence pertaining to the task.

c. Conditions. The task conditions identify all the equipment, tools, references, job aids, and supporting personnel that the Soldier needs to use to perform the task in wartime. This section identifies any environmental conditions that can alter task performance, such as visibility, temperature, or wind. This section also identifies any specific cues or events that trigger task performance, such as a chemical attack or identification of a threat vehicle.
d. Standards. The task standards describe how well and to what level the task must be performed under wartime conditions. Standards are typically described in terms of accuracy, completeness, and speed.

e. Performance Steps. This section includes a detailed outline of information on how to perform the task. Additionally, some task summaries include safety statements and notes. Safety statements (danger, warning, and caution) alert users to the possibility of immediate death, personal injury, or damage to equipment. Notes provide a small, extra supportive explanation or hint relative to the performance steps.

f. Evaluation Preparation (when used). This subsection indicates necessary modifications to task performance in order to train and evaluate a task that cannot be trained to the wartime standard under wartime conditions. It may also include special training and evaluation preparation instructions to accommodate these modifications and any instructions that should be given to the Soldier before evaluation.

g. Performance Measures. This evaluation guide identifies the specific actions that the Soldier must do to successfully complete the task. These actions are listed in a GO/NO-GO format for easy evaluation. Each evaluation guide contains an evaluation guidance statement that indicates the requirements for receiving a GO on the evaluation.

h. References. This section identifies references that provide more detailed and thorough explanations of task performance requirements than those given in the task summary description.

1.5 Training Execution

All good training, regardless of the specific collective, leader, and individual tasks being executed, must comply with certain common requirements. These include adequate preparation, effective presentation and practice, and thorough evaluation. The execution of training includes preparation for training, conduct of training, and recovery from training.

a. Preparation for Training. Formal near-term planning for training culminates with the publication of the unit training schedule. Informal planning, detailed coordination, and preparation for executing the training continue until the training is performed. Commanders and other trainers use training meetings to assign responsibility for preparation of all scheduled training. Preparation for training includes selecting tasks to be trained, planning the conduct of the training, training the trainers, reconnaissance of the site, issuing the training execution plan, and conducting rehearsals and pre-execution checks. Pre-execution checks are preliminary actions commanders and trainers use to identify responsibility for these and other training support tasks. They are used to monitor preparation activities and to follow up to ensure planned training is
conducted to standard. Pre-execution checks are a critical portion of any training meeting. During preparation for training, battalion and company commanders identify and eliminate potential training distracters that develop within their own organizations. They also stress personnel accountability to ensure maximum attendance at training.

(1) Subordinate leaders, as a result of the bottom-up feed from internal training meetings, identify and select the individual tasks necessary to support the identified training objectives. Commanders develop the tentative plan to include requirements for preparatory training, concurrent training, and training resources. At a minimum, the training plan should include confirmation of training areas and locations, training ammunition allocations, training simulations and simulators availability, transportation requirements, Soldier support items, a risk management analysis, assignment of responsibility for the training, designation of trainers responsible for approved training, and final coordination. The time and other necessary resources for retraining must also be an integral part of the original training plan.

(2) Leaders, trainers, and evaluators are identified, trained to standard, and rehearsed prior to the conduct of the training. Leaders and trainers are coached on how to train, given time to prepare, and rehearsed so that training will be challenging and doctrinally correct. Commanders ensure that trainers and evaluators are not only tactically and technically competent on their training tasks, but also understand how the training relates to the organization's METL. Properly prepared trainers, evaluators, and leaders project confidence and enthusiasm to those being trained. Trainer and leader training is a critical event in the preparation phase of training. These individuals must demonstrate proficiency on the selected tasks prior to the conduct of training.

(3) Commanders, with their subordinate leaders and trainers, conduct site reconnaissance, identify additional training support requirements, and refine and issue the training execution plan. The training plan should identify all those elements necessary to ensure the conduct of training to standard. Rehearsals are essential to the execution of good training. Realistic, standards-based, performance-oriented training requires rehearsals for trainers, support personnel, and evaluators. Preparing for training in Reserve Component (RC) organizations can require complex pre-execution checks. RC trainers must often conduct detailed coordination to obtain equipment, training support system products, and ammunition from distant locations. In addition, RC pre-execution checks may be required to coordinate Active Component assistance from the numbered CONUSA, training support divisions, and directed training affiliations.

b. Conduct of Training. Ideally, training is executed using the crawl-walk-run approach. This allows and promotes an objective, standards-based approach to training. Training starts at the basic level. Crawl events are relatively simple to conduct and require minimum support from the unit. After the crawl stage, training becomes incrementally more difficult, requiring more resources from the unit and home station, and increasing the level of realism. At the run stage, the level of difficulty for the training event intensifies. Run stage training requires optimum resources and ideally
approaches the level of realism expected in combat. Progression from the walk to the run stage for a particular task may occur during a one-day training exercise or may require a succession of training periods over time. Achievement of the Army standard determines progression between stages.

(1) In crawl-walk-run training, the tasks and the standards remain the same; however, the conditions under which they are trained change. Commanders may change the conditions, for example, by increasing the difficulty of the conditions under which the task is being performed, increasing the tempo of the task training, increasing the number of tasks being trained, or by increasing the number of personnel involved in the training. Whichever approach is used, it is important that all leaders and Soldiers involved understand in which stage they are currently training and understand the Army standard.

(2) An AAR is immediately conducted and may result in the need for additional training. Any task that was not conducted to standard should be retrained. Retraining should be conducted at the earliest opportunity. Commanders should program time and other resources for retraining as an integral part of their training plan. Training is incomplete until the task is trained to standard. Soldiers will remember the standard enforced, not the one discussed.

c. Recovery from Training. The recovery process is an extension of training, and once completed, it signifies the end of the training event. At a minimum, recovery includes conduct of maintenance training, turn-in of training support items, and the conduct of AARs that review the overall effectiveness of the training just completed.

(1) Maintenance training is the conduct of post-operations preventive maintenance checks and services, accountability of organizational and individual equipment, and final inspections. Class IV, Class V, TADSS, and other support items are maintained, accounted for, and turned-in, and training sites and facilities are closed out.

(2) AARs conducted during recovery focus on collective, leader, and individual task performance, and on the planning, preparation, and conduct of the training just completed. Unit AARs focus on individual and collective task performance, and identify shortcomings and the training required to correct deficiencies. AARs with leaders focus on tactical judgment. These AARs contribute to leader learning and provide opportunities for leader development. AARs with trainers and evaluators provide additional opportunities for leader development.

1.6 Training Assessment

Assessment is the commander's responsibility. It is the commander's judgment of the organization's ability to accomplish its wartime operational mission. Assessment is a continuous process that includes evaluating individual training, conducting an
organizational assessment, and preparing a training assessment. The commander uses his experience, feedback from training evaluations, and other evaluations and reports to arrive at his assessment. Assessment is both the end and the beginning of the training management process. Training assessment is more than just training evaluation, and encompasses a wide variety of inputs. Assessments include such diverse systems as training, force integration, logistics, and personnel, and provide the link between the unit's performance and the Army standard. Evaluation of training is, however, a major component of assessment. Training evaluations provide the commander with feedback on the demonstrated training proficiency of Soldiers, leaders, battle staffs, and units. Commanders cannot personally observe all training in their organization and, therefore, gather feedback from their senior staff officers and NCOs.

a. Evaluation of Training. Training evaluations are a critical component of any training assessment. Evaluation measures the demonstrated ability of Soldiers, commanders, leaders, battle staffs, and units against the Army standard. Evaluation of training is integral to standards-based training and is the cornerstone of leader training and leader development. STPs describe standards that must be met for each Soldier task.

(1) All training must be evaluated to measure performance levels against the established Army standard. The evaluation can be as fundamental as an informal, internal evaluation performed by the leader conducting the training. Evaluation is conducted specifically to enable the individual undergoing the training to know whether the training standard has been achieved. Commanders must establish a climate that encourages candid and accurate feedback for the purpose of developing leaders and trained Soldiers.

(2) Evaluation of training is not a test; it is not used to find reasons to punish leaders and Soldiers. Evaluation tells Soldiers whether or not they achieved the Army standard and, therefore, assists them in determining the overall effectiveness of their training plans. Evaluation produces disciplined Soldiers, leaders, and units. Training without evaluation is a waste of time and resources.

(3) Evaluations are used by leaders as an opportunity to coach and mentor Soldiers. A key element in developing leaders is immediate, positive feedback that coaches and leads subordinate leaders to achieve the Army standard. This is a tested and proven path to develop competent, confident adaptive leaders.

b. Evaluators. Commanders must plan for formal evaluation and must ensure the evaluators are trained. These evaluators must also be trained as facilitators to conduct AARs that elicit maximum participation from those being trained. External evaluators will be certified in the tasks they are evaluating and normally will not be dual-hatted as a participant in the training being executed.

c. Role of Commanders and Leaders. Commanders ensure that evaluations take place at each echelon in the organization. Commanders use this feedback to teach, coach, and mentor their subordinates. They ensure that every training event is
evaluated as part of training execution and that every trainer conducts evaluations. Commanders use evaluations to focus command attention by requiring evaluation of specific mission essential and battle tasks. They also take advantage of evaluation information to develop appropriate lessons learned for distribution throughout their commands.

d. After Action Review. The AAR, whether formal or informal, provides feedback for all training. It is a structured review process that allows participating Soldiers, leaders, and units to discover for themselves what happened during the training, why it happened, and how it can be done better. The AAR is a professional discussion that requires the active participation of those being trained. GTA 25-06-023 provides detailed instructions for conducting an AAR and detailed guidance on coaching and critiquing during training.

1.7 Training Support

This manual includes the following information which provides additional training support information.

a. Glossary. The glossary, which follows the last appendix, is a single comprehensive list of acronyms, abbreviations, definitions, and letter symbols.

b. References. This section contains two lists of references, required and related, which support training of all tasks in this SM. Required references are listed in the conditions statement and are required for the Soldier to do the task. Related references are materials that provide more detailed information and a more thorough explanation of task performance.
CHAPTER 2

Trainer’s Guide

2.1 General

The MOS Training Plan identifies the essential components of a unit training plan for individual training. Units have different training needs and requirements based on differences in environment, location, equipment, dispersion, and similar factors. Therefore, the MOS Training Plan should be used as a guide for conducting unit training and not a rigid standard. The MOS Training Plan consists of two parts. Each part is designed to assist the commander in preparing a unit training plan which satisfies integration, cross training, training up, and sustainment training requirements for Soldiers in this MOS.

Part One of the MOS Training Plan shows the relationship of an MOS skill level between duty position and critical tasks. These critical tasks are grouped by task commonality into subject areas.

Section I lists subject area numbers and titles used throughout the MOS Training Plan. These subject areas are used to define the training requirements for each duty position within an MOS.

Section II identifies the total training requirement for each duty position within an MOS and provides a recommendation for cross training and train-up/merger training.

- **Duty Position Column.** This column lists the duty positions of the MOS, by skill level, which have different training requirements.
- **Subject Area Column.** This column lists, by numerical key (see Section I), the subject areas a Soldier must be proficient in to perform in that duty position.
- **Cross Train Column.** This column lists the recommended duty position for which Soldiers should be cross trained.
- **Train-up/Merger Column.** This column lists the corresponding duty position for the next higher skill level or MOS the Soldier will merge into on promotion.

Part Two lists, by general subject areas, the critical tasks to be trained in an MOS and the type of training required (resident, integration, or sustainment).

- **Subject Area Column.** This column lists the subject area number and title in the same order as Section I, Part One of the MOS Training Plan.
- **Task Number Column.** This column lists the task numbers for all tasks included in the subject area.
- **Title Column.** This column lists the task title for each task in the subject area.
Training Location Column. This column identifies the training location and the Leadership Domain (Institutional, Operational, or Self-Development) where the task is first trained to Soldier training publications standards. If the task is first trained to standard in the unit, the word “OP” will be in this column. If the task is first trained to standard in the training base, it will identify, by brevity code (S-D, INST), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

<table>
<thead>
<tr>
<th>Brevity Codes</th>
<th>Locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>INST</td>
<td>Institutional</td>
</tr>
<tr>
<td>OP</td>
<td>Operational/Unit</td>
</tr>
<tr>
<td>S-D</td>
<td>Self-Development</td>
</tr>
</tbody>
</table>

Figure 2-1. Training Locations

Sustainment Training Frequency Column. This column indicates the recommended frequency at which the tasks should be trained to ensure Soldiers maintain task proficiency. Figure 2-2 identifies the frequency codes used in this column.

<table>
<thead>
<tr>
<th>Frequency Codes</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA</td>
<td>Biennially</td>
</tr>
<tr>
<td>AN</td>
<td>Annually</td>
</tr>
<tr>
<td>SA</td>
<td>Semi-</td>
</tr>
<tr>
<td>QT</td>
<td>Quarterly</td>
</tr>
<tr>
<td>BM</td>
<td>Bimonthly</td>
</tr>
<tr>
<td>MO</td>
<td>Monthly</td>
</tr>
<tr>
<td>BW</td>
<td>Biweekly</td>
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<tr>
<td>WK</td>
<td>Weekly</td>
</tr>
<tr>
<td>DA</td>
<td>Daily</td>
</tr>
<tr>
<td>HR</td>
<td>Hourly</td>
</tr>
<tr>
<td>OT</td>
<td>One time</td>
</tr>
</tbody>
</table>

Figure 2-2. Sustainment Training Frequency Codes

Sustainment Training Skill Level Column. This column lists the skill levels of the MOS for which Soldiers must receive sustainment training to ensure they maintain proficiency to Soldier’s manual standards.
2-2. Part One, Section I. Subject Area Codes.

**Skill Level SL1**
- 1 ENGINE
- 2 FUEL SYSTEM
- 3 COOLING SYSTEM
- 4 ELECTRICAL SYSTEM
- 5 TRANSMISSION
- 6 STEERING
- 7 BRAKES
- 8 HYDRAULICS
- 9 HOIST, WINCH, AND POWER TAKE OFF
- 10 CENTRAL TIRE INFLATION SYSTEM (CTIS)
- 11 FIRE CONTROL SYSTEMS MAINTENANCE TASKS
- 12 WEAPONS
- 13 DRIVETRAIN SYSTEM

**Skill Level SL3**
- 14 ELECTRICAL SYSTEM
- 15 CLIMATE CONTROL SYSTEM
- 16 STEERING
- 17 BRAKES
- 18 HYDRAULICS
- 19 CENTRAL TIRE INFLATION SYSTEM (CTIS)
- 20 FIRE CONTROL SYSTEMS MAINTENANCE TASKS
- 21 WEAPONS
- 22 DRIVETRAIN SYSTEM
### 2-3. Part One, Section II, Duty Position Training Requirements.

<table>
<thead>
<tr>
<th>SKILL LEVEL</th>
<th>DUTY POSITION</th>
<th>SUBJECT AREAS</th>
<th>CROSS TRAIN</th>
<th>TRAIN-UP/MERGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL1</td>
<td>Stryker System Maintainer</td>
<td>1-13</td>
<td>N/A</td>
<td>91S10 Stryker System Maintainer</td>
</tr>
<tr>
<td>SL3</td>
<td>Senior Stryker System Maintainer</td>
<td>14-22</td>
<td>N/A</td>
<td>91S30 Senior Stryker System Maintainer</td>
</tr>
</tbody>
</table>
### Critical Tasks List

<table>
<thead>
<tr>
<th>Task Number</th>
<th>Title</th>
<th>Training Location</th>
<th>Sust Tng</th>
<th>Sust Tng</th>
<th>Skill Level</th>
</tr>
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<tbody>
<tr>
<td></td>
<td><strong>Subject Area 1 ENGINE</strong></td>
<td></td>
<td></td>
<td></td>
<td>SL1</td>
</tr>
<tr>
<td>091-91S-1036</td>
<td>Maintain the Engine on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
<td>1</td>
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</tr>
<tr>
<td></td>
<td><strong>Subject Area 2 FUEL SYSTEM</strong></td>
<td></td>
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<tr>
<td>091-91S-1037</td>
<td>Maintain the Fuel System on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
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<tr>
<td></td>
<td><strong>Subject Area 3 COOLING SYSTEM</strong></td>
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<tr>
<td>091-91S-1038</td>
<td>Maintain the Cooling Module on the Stryker Power Pack Assembly</td>
<td>AIT</td>
<td>SA</td>
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<tr>
<td></td>
<td><strong>Subject Area 4 ELECTRICAL SYSTEM</strong></td>
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<tr>
<td>091-91S-1032</td>
<td>Maintain the Electrical System on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
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<tr>
<td>091-91S-1034</td>
<td>Maintain the Starting System on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>091-91S-1057</td>
<td>Maintain Climate Control System on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>091-91S-1033</td>
<td>Maintain the Charging System on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>091-91S-1035</td>
<td>Repair Wiring Harness on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
<td>1</td>
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<tr>
<td></td>
<td><strong>Subject Area 5 TRANSMISSION</strong></td>
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<tr>
<td>091-91S-1042</td>
<td>Maintain the Transmission on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
<td>1</td>
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<tr>
<td></td>
<td><strong>Subject Area 6 STEERING</strong></td>
<td></td>
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<tr>
<td>091-91S-1045</td>
<td>Maintain the Steering System on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
<td>1</td>
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</tr>
<tr>
<td></td>
<td><strong>Subject Area 7 BRAKES</strong></td>
<td></td>
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<tr>
<td>091-91S-1046</td>
<td>Maintain the Pneumatic Brake System on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
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<tr>
<td></td>
<td><strong>Subject Area 8 HYDRAULICS</strong></td>
<td></td>
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<tr>
<td>091-91S-1041</td>
<td>Maintain the Hydraulic System on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
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<tr>
<td></td>
<td><strong>Subject Area 9 HOIST, WINCH, AND POWER TAKE OFF</strong></td>
<td></td>
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<tr>
<td>091-91S-1039</td>
<td>Maintain the Power Winch on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
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<td></td>
<td><strong>Subject Area 10 CENTRAL TIRE INFLATION SYSTEM (CTIS)</strong></td>
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</table>
### CRITICAL TASKS

<table>
<thead>
<tr>
<th>Task Number</th>
<th>Title</th>
<th>Training Location</th>
<th>Sust Tng</th>
<th>Sust Tng SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>091-91S-1048</td>
<td>Maintain the Central Tire Inflation System (CTIS) Components on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
<td>1</td>
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**Subject Area 11 FIRE CONTROL SYSTEMS MAINTENANCE TASKS**

<table>
<thead>
<tr>
<th>Task Number</th>
<th>Title</th>
<th>Training Location</th>
<th>Sust Tng</th>
<th>Sust Tng SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>091-91S-1049</td>
<td>Maintain the Automatic Fire Extinguisher System on the Stryker Vehicle</td>
<td>AIT</td>
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**Subject Area 12 WEAPONS**

<table>
<thead>
<tr>
<th>Task Number</th>
<th>Title</th>
<th>Training Location</th>
<th>Sust Tng</th>
<th>Sust Tng SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>091-91S-1052</td>
<td>Maintain the Anti-Tank Guided Missile System on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
<td>1</td>
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<tr>
<td>091-91S-1053</td>
<td>Maintain the 120mm Mortar on the Stryker Vehicle</td>
<td>AIT</td>
<td>QT</td>
<td>1</td>
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<tr>
<td>091-91S-1054</td>
<td>Maintain the Mobile Gun System (MGS) 105mm Main Gun Components on the Stryker MGS Vehicle</td>
<td>AIT</td>
<td>AN</td>
<td>1</td>
</tr>
<tr>
<td>091-91S-1050</td>
<td>Maintain the Remote Weapon Station on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
<td>1</td>
</tr>
<tr>
<td>091-91S-1058</td>
<td>Maintain the Cupola on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
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<tr>
<td>091-91S-1056</td>
<td>Perform Cannon Tube Evaluation on the Stryker Vehicle</td>
<td>AIT</td>
<td>AN</td>
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<tr>
<td>091-91S-1055</td>
<td>Maintain the Mobile Gun System (MGS) Autoloader on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
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**Subject Area 13 DRIVETRAIN SYSTEM**

<table>
<thead>
<tr>
<th>Task Number</th>
<th>Title</th>
<th>Training Location</th>
<th>Sust Tng</th>
<th>Sust Tng SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>091-91S-1043</td>
<td>Maintain the Driveline Components on the Stryker Vehicle</td>
<td>AIT</td>
<td>SA</td>
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</table>

**Skill Level SL3**

**Subject Area 14 ELECTRICAL SYSTEM**

<table>
<thead>
<tr>
<th>Task Number</th>
<th>Title</th>
<th>Training Location</th>
<th>Sust Tng</th>
<th>Sust Tng SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>091-91S-3001</td>
<td>Supervise Maintenance on the Stryker Vehicle’s Electrical System</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
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</table>

**Subject Area 15 CLIMATE CONTROL SYSTEM**

<table>
<thead>
<tr>
<th>Task Number</th>
<th>Title</th>
<th>Training Location</th>
<th>Sust Tng</th>
<th>Sust Tng SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>091-91S-3009</td>
<td>Supervise Maintenance on the Climate Control System</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
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**Subject Area 16 STEERING**

<table>
<thead>
<tr>
<th>Task Number</th>
<th>Title</th>
<th>Training Location</th>
<th>Sust Tng</th>
<th>Sust Tng SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>091-91S-3008</td>
<td>Supervise Maintenance on the Steering and Suspension System</td>
<td>ALC</td>
<td>SA</td>
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**Subject Area 17 BRAKES**

<table>
<thead>
<tr>
<th>Task Number</th>
<th>Title</th>
<th>Training Location</th>
<th>Sust Tng</th>
<th>Sust Tng SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>091-91S-3005</td>
<td>Supervise Maintenance on the Pneumatic/Brake System</td>
<td>ALC</td>
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**Subject Area 18 HYDRAULICS**

<table>
<thead>
<tr>
<th>Task Number</th>
<th>Title</th>
<th>Training Location</th>
<th>Sust Tng</th>
<th>Sust Tng SL</th>
</tr>
</thead>
<tbody>
<tr>
<td>091-91S-3003</td>
<td>Supervise Maintenance on the Hydraulic System on the Stryker</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
</tr>
<tr>
<td>Task Number</td>
<td>Title</td>
<td>Training Location</td>
<td>Sust Tng</td>
<td>Sust Tng Freq</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
<td>-------------------</td>
<td>----------</td>
<td>---------------</td>
</tr>
<tr>
<td>091-91S-3004</td>
<td>Supervise Maintenance in the Central Tire Inflation System</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
</tr>
<tr>
<td>091-91S-3006</td>
<td>Supervise Maintenance on the Automatic Fire Extinguisher System (AFES)</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
</tr>
<tr>
<td>091-91S-3011</td>
<td>Supervise Maintenance on the Cupola</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
</tr>
<tr>
<td>091-91S-3012</td>
<td>Supervise Maintenance on the Mortar Carrier</td>
<td>ALC</td>
<td>QT</td>
<td>3</td>
</tr>
<tr>
<td>091-91S-3014</td>
<td>Supervise Maintenance on the Anti-Tank Guided Missile (ATGM)</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
</tr>
<tr>
<td>091-91S-3010</td>
<td>Supervise Maintenance on the Remote Weapon Station(RWS)</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
</tr>
<tr>
<td>091-91S-3013</td>
<td>Supervise Maintenance on the Mobile Gun System (MGS)</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
</tr>
<tr>
<td>091-91S-3002</td>
<td>Supervise the Maintenance on the Power Train System of the Stryker</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
</tr>
<tr>
<td>091-91S-3007</td>
<td>Supervise Maintenance on the Drive Train</td>
<td>ALC</td>
<td>SA</td>
<td>3</td>
</tr>
</tbody>
</table>
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CHAPTER 3

MOS/Skill Level Tasks

Skill Level SL1
Subject Area 1: ENGINE
091-91S-1036

Maintain the Engine on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E (Equipment Maintenance and Inspection Worksheet) or DA Form 2404 (Equipment Inspection and Maintenance Worksheet), maintain the engine on the STRYKER vehicle.

Standards: Maintain the STRYKER engine in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the engine must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
a. Ensure tools are serviceable.

b. Identify appropriate tools.

c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.

   a. Comply with all safety precautions outlined in applicable IETM.

   b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.

   a. Determine appropriate tools for specified maintenance task.

   b. Ensure safety equipment is utilized.

5. Troubleshoot engine faults in accordance with IETM.

6. Identify the fault(s).

   a. Comply with steps outlined in IETM.

   b. Replace faulty component.

7. Check for proper operation.

   a. Perform all follow-on tasks.

   b. Ensure engine is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.

   a. Annotate any deficiencies on DA Form 5988-E.

   b. Ensure forms are completed properly.

9. Maintain tools and equipment.

   a. Ensure all tools are accounted for.

   b. Ensure tools and equipment are clean and serviceable before storing.
Evaluation Preparation:
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

Performance Measures
1. Selected and used applicable publications.       GO       NO GO
2. Selected and used correct tools and TMDE.       ______    ______
3. Complied with all prescribed safety procedures. ______    ______
4. Demonstrated maintenance discipline.            ______    ______
5. Troubleshot engine faults in accordance with IETM. ______    ______
6. Identified the fault(s).                       ______    ______
7. Checked for proper operation.                  ______    ______
8. Completed TAMMS forms, as required.            ______    ______
9. Maintained tools and equipment.                ______    ______

Evaluation Guidance: Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

References
Required
DA Form 2404 Equipment Inspection and Maintenance Worksheet/
DA Form 5988-E Equipment Maintenance and Inspection Worksheet
TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Maintain the Fuel System on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the fuel system on the STRYKER vehicle.

Standards: Maintain the STRYKER fuel system in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the fuel system must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot fuel system faults in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure fuel system is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

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1. Selected and used applicable publications.

2. Selected and used correct tools and TMDE.

3. Complied with all prescribed safety procedures.

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### Performance Measures

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<td>Demonstrated maintenance discipline.</td>
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<td>5</td>
<td>Troubleshoot fuel system faults in accordance with IETM.</td>
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<td>8</td>
<td>Completed TAMMS forms, as required.</td>
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<td>9</td>
<td>Maintained tools and equipment.</td>
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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 3: COOLING SYSTEM
091-91S-1038

Maintain the Cooling Module on the Stryker Power Pack Assembly

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the cooling module on the STRYKER power pack assembly.

Standards: Maintain the STRYKER cooling module in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the cooling module must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot cooling module faults in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure cooling module is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

Evaluation Preparation:
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

Performance Measures

1. Selected and used applicable publications.  
   GO  NO GO

2. Selected and used correct tools and TMDE.
   _______  _______

3. Complied with all prescribed safety procedures.
   _______  _______
Performance Measures

4 Demonstrated maintenance discipline. 
5 Troubleshoot cooling module faults in accordance with IETM. 
6 Identified the fault(s). 
7 Checked for proper operation. 
8 Completed TAMMS forms, as required. 
9 Maintained tools and equipment.

Evaluation Guidance: Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

References

Required

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Maintain the Electrical System on the Stryker Vehicle

**Conditions:** In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, with deficiencies, maintain the electrical system on the STRYKER vehicle.

**Standards:** Maintain the STRYKER electrical system in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the electrical system operates within 100% accuracy of technical references specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

**Special Condition:** None

**Special Standards:** None

**Special Equipment:**

**Cue:** None

**Note:** Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

**Performance Steps**

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot electrical system faults in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Verify vehicle is fully mission capable.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

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<td>Selected and used correct tools and TMDE.</td>
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<td>5</td>
<td>Troubleshot electrical system faults in accordance with IETM.</td>
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<td>6</td>
<td>Identified the fault(s).</td>
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<td>7</td>
<td>Checked for proper operation.</td>
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<td>8</td>
<td>Completed TAMMS forms, as required.</td>
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<td>Maintained tools and equipment.</td>
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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-1034

Maintain the Starting System on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the starting system on a STRYKER vehicle.

Standards: Maintain the STRYKER starting system in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the starting system must operate with 100% accuracy of the technical reference specification. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot starting system faults in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure starting system is 100% operable within the technical reference specification.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

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31 December 2015
Performance Measures

4 Demonstrated maintenance discipline. _____ __________

5 Troubleshot starting system faults in accordance with IETM. _____ __________

6 Identified the fault(s). _____ __________

7 Checked for proper operation. _____ __________

8 Completed TAMMS forms, as required. _____ __________

9 Maintained tools and equipment. _____ __________

Evaluation Guidance: Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

References

Required

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-1057
Maintain Climate Control System on the Stryker Vehicle

**Conditions:** In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, with deficiencies, maintain the climate control system on the STRYKER vehicle.

**Standards:** Maintain the STRYKER climate control system in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the climate control system operates within 100% accuracy of technical references specifications. If the Soldier fails to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

**Special Condition:** None

**Special Standards:** None

**Special Equipment:**

**Cue:** None

**Note:** Equipment identified in the task may not reflect what is required in a formal training environment. For example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

**Performance Steps**

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot climate control system faults in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Verify vehicle is fully mission capable.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**

None

**Performance Measures**

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Performance Measures

5  Troubleshoot climate control system faults in accordance with IETM.
   _____  _____

6  Identified the fault(s).
   _____  _____

7  Checked for proper operation.
   _____  _____

8  Completed TAMMS forms, as required.
   _____  _____

9  Maintained tools and equipment.
   _____  _____

Evaluation Guidance: None

References

Required

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Maintain the Charging System on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the charging system on the STRYKER vehicle.

Standards: Maintain the STRYKER charging system in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the charging system operates within 100% accuracy of the technical reference specification. If the Soldier fail to perform the task correctly explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Diagnose charging system faults in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure charging system operates within 100% accuracy of technical reference specification.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

1. Selected and used applicable publications.
   - GO
   - NO GO

2. Selected and used correct tools and TMDE.
   - GO
   - NO GO

3. Complied with all prescribed safety procedures.
   - GO
   - NO GO
Performance Measures

4  Demonstrated maintenance discipline.  

5  Diagnosed charging system faults in accordance with IETM.  

6  Identified the fault(s).  

7  Checked for proper operation.  

8  Completed TAMMS forms, as required.  

9  Maintained tools and equipment.  

Evaluation Guidance: Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

References

Required

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-1035
Repair Wiring Harness on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, repair wiring harness on the STRYKER vehicle.

Standards: Repair a wiring harness in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the wiring harness must operate with 100% accuracy of the technical reference specification. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
3 Complied with all prescribed safety procedures.

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot all electrical faults in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Repair wire as needed.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure wiring harness is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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31 December 2015
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<td>8</td>
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<td>Maintained tools and equipment.</td>
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**Evaluation Guidance:** Score the Soldier GO if all performance measure were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 5: TRANSMISSION
091-91S-1042
Maintain the Transmission on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the transmission on the STRYKER vehicle.

Standards: Maintain the STRYKER transmission in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the transmission must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot the transmission faults in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure transmission is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

1. Selected and used applicable publications.  
   GO   NO GO

2. Selected and used correct tools and TMDE.  
   GO   NO GO

3. Complied with all prescribed safety procedures.  
   GO   NO GO

31 December 2015
Performance Measures

4 Demonstrated maintenance discipline.  

5 Troubleshooted the transmission faults in accordance with IETM.  

6 Identified the fault(s).  

7 Checked for proper operation.  

8 Completed TAMMS forms, as required.  

9 Maintained tools and equipment.  

GO | NO GO
---|---

Evaluation Guidance: Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

References
Required

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 6: STEERING
091-91S-1045
Maintain the Steering System on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the steering system on the STRYKER vehicle.

Standards: Maintain the STRYKER steering system components in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the steering system must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot steering malfunctions in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure steering system is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

Evaluation Preparation:
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

Performance Measures

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31 December 2015
**Performance Measures**

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<td>5</td>
<td>Troubleshot steering malfunctions in accordance with IETM.</td>
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<td>6</td>
<td>Identified the fault(s).</td>
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<td>7</td>
<td>Checked for proper operation.</td>
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<td>8</td>
<td>Completed TAMMS forms, as required.</td>
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<td>9</td>
<td>Maintained tools and equipment.</td>
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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 7: BRAKES
091-91S-1046

Maintain the Pneumatic Brake System on the Stryker Vehicle

**Conditions:** In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the pneumatic brake system on the STRYKER vehicle.

**Standards:** Maintain the STRYKER pneumatic brake system in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the pneumatic brake system must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

**Special Condition:** None

**Special Standards:** None

**Special Equipment:**

Cue: None

**Note:** Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

**Performance Steps**

1. Select and use applicable publications.
   
   a. Identify appropriate IETM to be used.
   
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   
   a. Ensure tools are serviceable.
   
   b. Identify appropriate tools.
   
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot pneumatic brake system malfunctions in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure pneumatic brake system is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

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<td>Selected and used correct tools and TMDE.</td>
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### Performance Measures

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<td>Complied with all prescribed safety procedures.</td>
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<td>4</td>
<td>Demonstrated maintenance discipline.</td>
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<td>Troubleshot pneumatic brake system malfunctions in accordance with IETM.</td>
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<td>6</td>
<td>Identified the fault(s).</td>
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<td>Checked for proper operation.</td>
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<td>8</td>
<td>Completed TAMMS forms, as required.</td>
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<td>9</td>
<td>Maintained tools and equipment.</td>
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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 8: HYDRAULICS
091-91S-1041
Maintain the Hydraulic System on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic’s tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the hydraulic system on the STRYKER vehicle.

Standards: Maintain the STRYKER hydraulic system in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the hydraulic system must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment: None

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot the hydraulic system faults in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure hydraulic system is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

1. Selected and used applicable publications.  
   GO   NO GO

2. Selected and used correct tools and TMDE.  
   GO   NO GO

3. Complied with all prescribed safety procedures.  
   GO   NO GO

31 December 2015
### Performance Measures

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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E

- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 9: HOIST, WINCH, AND POWER TAKE OFF
091-91S-1039
Maintain the Power Winch on the Stryker Vehicle
Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the power winch on the STRYKER vehicle.

Standards: Maintain the STRYKER Power Winch in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the power winch must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot the power winch faults in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure power winch is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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<td>4 Demonstrated maintenance discipline.</td>
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<td>5 Troubleshot the power winch faults in accordance with IETM.</td>
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<td>7 Checked for proper operation.</td>
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<td>8 Completed TAMMS forms, as required.</td>
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<td>9 Maintained tools and equipment.</td>
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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

DA Form 2404  
DA Form 5988-E  
TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 10: CENTRAL TIRE INFLATION SYSTEM (CTIS)  
091-91S-1048  
Maintain the Central Tire Inflation System (CTIS) Components on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the central tire inflation system(CTIS) components on the STRYKER vehicle.

Standards: Maintain the STRYKER CTIS in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the central tire inflation system must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and ahve the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot CTIS malfunctions in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure CTIS is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

1. Selected and used applicable publications.

2. Selected and used correct tools and TMDE.

3. Complied with all prescribed safety procedures.

31 December 2015
**Performance Measures**

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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References Required**

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 11: FIRE CONTROL SYSTEMS MAINTENANCE TASKS
091-91S-1049

Maintain the Automatic Fire Extinguisher System on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the Automatic Fire Extinguisher System (AFES) on the STRYKER vehicle.

Standards: Maintain the STRYKER AFES system in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the vehicle's automatic fire extinguisher system must operate with 100% accuracy of the technical reference specifications. If the Soldier fails to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot AFES malfunctions in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure AFES is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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Performance Measures

4  Demonstrated maintenance discipline.  
GO  NO GO  

5  Troubleshot AFES malfunctions in accordance with IETM.  
GO  NO GO  

6  Identified the fault(s).  
GO  NO GO  

7  Checked for proper operation.  
GO  NO GO  

8  Completed TAMMS forms, as required.  
GO  NO GO  

9  Maintained tools and equipment.  
GO  NO GO  

Evaluation Guidance: Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

References
Required

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 12: WEAPONS
091-91S-1052
Maintain the Anti-Tank Guided Missile System on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given an antitank guided missile vehicle (M1134), general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, anti-tank guided missile (ATGM) system on the STRYKER vehicle.

Standards: Maintain the ATGM system in accordance with applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the anti-tank guided missile system must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

c. Clear Weapons Platform and ensure it is placed in inactive status.

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot ATGM malfunctions in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure ATGM is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

10. Clear Weapons Platform and ensure it is placed in inactive status.

Evaluation Preparation:
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

Performance Measures

1. Selected and used applicable publications.  

31 December 2015
Performance Measures          GO       NO GO
2  Selected and used correct tools and TMDE.   ______   ______
3  Complied with all prescribed safety procedures.   ______   ______
4  Demonstrated maintenance discipline.   ______   ______
5  Troubleshot ATGM malfunctions in accordance with IETM.   ______   ______
6  Identified the fault(s).   ______   ______
7  Checked for proper operation.   ______   ______
8  Completed TAMMS forms, as required.   ______   ______
9  Maintained tools and equipment.   ______   ______

Evaluation Guidance: Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

References
Required
DA Form 2404
DA Form 5988-E
TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Maintain the 120mm Mortar on the Stryker Vehicle

**Conditions:** In an Operational Environment (OE), with assistance and under supervision, given a Mortar Carrier Vehicle, general mechanic’s tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the 120mm Mortar on the STRYKER vehicle.

**Standards:** Maintain the M120mm Mortar on the mortar carrier in accordance with applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the 120mm mortar must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

**Special Condition:** None

**Special Standards:** None

**Special Equipment:**

**Cue:** None

**Note:** Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

**Performance Steps**

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.
2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.
3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

c. Clear Weapons Platform and ensure it is placed in inactive status.

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot mortar fire control system malfunctions in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure mortar fire control system is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-1054
Maintain the Mobile Gun System (MGS) 105mm Main Gun Components on the Stryker MGS Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a Mobile Gun System (MGS), artillery and turret mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404 maintain the mobile gun system(MGS) 105mm main gun components on the STRYKER MGS vehicle.

Standards: Maintain the MGS main gun components in accordance with applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the mobile gun system must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

c. Clear Weapons Platform and ensure it is placed in inactive status.

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot MGS main gun malfunctions in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure MGS is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
091-91S-1050
Maintain the Remote Weapon Station on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER equipped with a RWS (Remote Weapon System), general mechanic’s tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the Remote Weapon Station (RWS) on the STRYKER vehicle.

Standards: Maintain the RWS in accordance with applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the remote weapon station must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

c. Clear Weapons Platform and ensure it is placed in inactive status.

4. Demonstrate maintenance discipline.

a. Determine appropriate tools for specified maintenance task.

b. Ensure safety equipment is utilized.

5. Troubleshoot RWS malfunctions in accordance with IETM.

6. Identify the fault(s).

a. Comply with steps outlined in IETM.

b. Replace faulty component.

7. Check for proper operation.

a. Perform all follow-on tasks.

b. Ensure RWS is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.

a. Annotate any deficiencies on DA Form 5988-E.

b. Ensure forms are completed properly.

9. Maintain tools and equipment.

a. Ensure all tools are accounted for.

b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

1. Selected and used applicable publications.  

2. Selected and used correct tools and TMDE.
Performance Measures

3  Complied with all prescribed safety procedures.  

4  Demonstrated maintenance discipline. 

5  Troubleshoot RWS malfunctions in accordance with IETM. 

6  Identified the fault(s). 

7  Checked for proper operation. 

8  Completed TAMMS forms, as required. 

9  Maintained tools and equipment. 

Evaluation Guidance: Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

References

Required

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-1058
Maintain the Cupola on the Stryker Vehicle

**Conditions:** In an Operational Environment (OE), with assistance and under supervision, given a STRYKER equipped with a Cupola, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the Cupola on the STRYKER vehicle.

**Standards:** Maintain the Cupola in accordance with applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the Cupola must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

**Special Condition:** None

**Special Standards:** None

**Special Equipment:**

**Cue:** None

**Note:** Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

**Performance Steps**

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

c. Clear Weapons Platform and ensure it is placed in inactive status.

4. Demonstrate maintenance discipline.

   a. Determine appropriate tools for specified maintenance task.

   b. Ensure safety equipment is utilized.

5. Troubleshoot Cupola malfunctions in accordance with IETM.

6. Identify the fault(s).

   a. Comply with steps outlined in IETM.

   b. Replace faulty component.

7. Check for proper operation.

   a. Perform all follow-on tasks.

   b. Ensure Cupola is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.

   a. Annotate any deficiencies on DA Form 5988-E.

   b. Ensure forms are completed properly.

9. Maintain tools and equipment.

   a. Ensure all tools are accounted for.

   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**

None

**Performance Measures**

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31 December 2015
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<td>Maintained tools and equipment.</td>
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**Evaluation Guidance:** None

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Perform Cannon Tube Evaluation on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given 105mm cannon tube or mortar tube, M12 bore erosion gauge, M3 borescope kit, vernier caliper, bore casting materials and equipment, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, perform cannon tube evaluation on the STRYKER vehicle.

Standards: The cannon tube must be repaired in accordance with applicable publications and Interactive Electronic Technical Manual (IETM)/Technical Manual (TM) procedures and specifications. When this task is complete, the cannon tube must operate with 100% accuracy of the technical reference specifications. If the Soldier fails to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM/TM to be used.
   b. Comply with proper steps outlined in IETM/TM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM/TM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

c. Clear Weapons Platform and ensure it is placed in inactive status.

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Perform initial inspection of the cannon tube.

6. Perform borescope and measuring procedures.

7. Determine bore serviceability based on evaluation procedures.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

Evaluation Preparation:
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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<td>2  Selected and used correct tools and TMDE.</td>
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<td>3  Complied with all prescribed safety procedures.</td>
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<tr>
<td>4  Demonstrated maintenance discipline.</td>
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<td>5  Perform initial inspection of the cannon/mortar tube.</td>
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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

### References

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-1055
Maintain the Mobile Gun System (MGS) Autoloader on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a Mobile Gun System (MGS), artillery and turret mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the mobile gun system (MGS) autoloader on the STRYKER vehicle.

Standards: Maintain the MGS autoloader in accordance with applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the mobile gun system autoloader must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

c. Clear Weapons Platform and ensure it is placed in inactive status.

4. Demonstrate maintenance discipline.

   a. Determine appropriate tools for specified maintenance task.

   b. Ensure safety equipment is utilized.

5. Troubleshoot MGS autoloader malfunctions in accordance with IETM.

6. Identify the fault(s).

   a. Comply with steps outlined in IETM.

   b. Replace faulty component.

7. Check for proper operation.

   a. Perform all follow-on tasks.

   b. Ensure MGS autoloader is 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.

   a. Annotate any deficiencies on DA Form 5988-E.

   b. Ensure forms are completed properly.

9. Maintain tools and equipment.

   a. Ensure all tools are accounted for.

   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
Subject Area 13: DRIVETRAIN SYSTEM

Maintain the Driveline Components on the Stryker Vehicle

Conditions: In an Operational Environment (OE), with assistance and under supervision, given a STRYKER, general mechanic's tool kit, special tools/Test, Measurement, and Diagnostic Equipment (TMDE), required safety equipment, and references. Given a DA Form 5988-E or DA Form 2404, maintain the driveline components on the STRYKER vehicle.

Standards: Maintain the STRYKER drive line in accordance with the applicable Interactive Electronic Technical Manual (IETM) procedures and specifications. When this task is complete, the driveline components must operate with 100% accuracy of the technical reference specifications. If the Soldier fail to perform the task correctly, explain what he/she did incorrectly and have the Soldier repeat the task.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: Equipment identified in the task may not reflect what is required in a formal training environment. For an example, Training Aids, Devices, Simulators, and Simulations (TADSS) may be used in the training environment in lieu of actual major end item.

Performance Steps

1. Select and use applicable publications.
   a. Identify appropriate IETM to be used.
   b. Comply with proper steps outlined in IETM.

2. Select and use correct tools and TMDE.
   a. Ensure tools are serviceable.
   b. Identify appropriate tools.
   c. Conduct TMDE inventory and comply with set-up procedures.

3. Comply with all prescribed safety procedures.
   a. Comply with all safety precautions outlined in applicable IETM.
b. Comply with all safety guidelines outlined in unit Standard Operating Procedure (SOP).

4. Demonstrate maintenance discipline.
   a. Determine appropriate tools for specified maintenance task.
   b. Ensure safety equipment is utilized.

5. Troubleshoot driveline malfunctions in accordance with IETM.

6. Identify the fault(s).
   a. Comply with steps outlined in IETM.
   b. Replace faulty component.

7. Check for proper operation.
   a. Perform all follow-on tasks.
   b. Ensure driveline components are 100% operable within the technical reference specifications.

8. Complete The Army Maintenance Management System (TAMMS) forms, as required.
   a. Annotate any deficiencies on DA Form 5988-E.
   b. Ensure forms are completed properly.

9. Maintain tools and equipment.
   a. Ensure all tools are accounted for.
   b. Ensure tools and equipment are clean and serviceable before storing.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate reference to successfully complete the task.

**Performance Measures**

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<td>Complied with all prescribed safety procedures.</td>
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<td>4</td>
<td>Demonstrated maintenance discipline.</td>
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<td>Troubleshot driveline malfunctions in accordance with IETM.</td>
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<td>Checked for proper operation.</td>
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<td>Completed TAMMS forms, as required.</td>
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<td>9</td>
<td>Maintained tools and equipment.</td>
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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO-GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly, have the Soldier repeat the task.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Skill Level SL3
Subject Area 14: ELECTRICAL SYSTEM
091-91S-3001

Supervise Maintenance on the Stryker Vehicle's Electrical System

**Conditions:** In an operational environment, assigned as a Stryker Systems Maintainer, given the responsibility to supervise maintenance on a Stryker, a verified electrical fault on a DA Form 5988-E (or DA Form 2404); a Stryker that is inoperable, General Mechanic’s Tool Kit (GMTK), applicable Special Tools/Test Equipment (STTE), Maintenance Support Device (MSD), Test Measurement, and Diagnostic Equipment (TMDE), required safety equipment, applicable forms and references, repair parts as needed.

**Standards:** Verify the Stryker is returned to an operational state and meets standards as prescribed by the applicable Technical Manual (TM).

**Special Condition:** None

**Special Standards:** None

**Special Equipment:** None

**Cue:** None

**Note:** None

**Performance Steps**


2. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolate defective component.

4. Have subordinate repair/replace defective component.

5. Inspect subordinate’s work and verify that equipment is fully mission capable.
   a. Conduct a Quality Assurance inspection on the vehicle.
   b. Review forms for correctness and completeness.

**Evaluation Preparation:**

None
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<tr>
<td>1. Verified subordinate followed correct troubleshooting procedures in accordance</td>
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<tr>
<td>2. Applied advanced diagnostic techniques employing Theory of Operation and schematics</td>
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<td>and wiring diagrams.</td>
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<td>3. Isolated defective component.</td>
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<tr>
<td>5. Inspected subordinate's work and verify that equipment is fully mission capable.</td>
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</table>

**Evaluation Guidance:** None

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 15: CLIMATE CONTROL SYSTEM
091-91S-3009

Supervise Maintenance on the Climate Control System

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Climate Control System and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Climate Control System in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Climate Control System must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None

Special Standards: None

Special Equipment: None

Cue: None

Note: None

Performance Steps


2. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolate defective component.

4. Have subordinate repair/replace defective component.

5. Inspect subordinate's work and verify that equipment is fully mission capable.
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**


2. Applied advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolated defective component.


5. Inspected subordinate's work and verify that equipment is fully mission capable.

**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 16: STEERING
091-91S-3008
Supervise Maintenance on the Steering and Suspension System

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Steering and Suspension System and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Steering and Suspension System in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Steering and Suspension System must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: None

Performance Steps


2. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolate defective component.

4. Have subordinate repair/replace defective component.

5. Inspect subordinate's work and verify that equipment is fully mission capable.
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 17: BRAKES
091-91S-3005

Supervise Maintenance on the Pneumatic/Brake System

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Pneumatic/Brake System and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Pneumatic/Brake System in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Pneumatic/Brake System must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: None

Performance Steps


2. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolate defective component.

4. Have subordinate repair/replace defective component.

5. Inspect subordinate's work and verify that equipment is fully mission capable.
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 18: HYDRAULICS
091-91S-3003

Supervise Maintenance on the Hydraulic System on the Stryker

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Hydraulic System and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Hydraulic System in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Hydraulic System must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: None

Performance Steps


2. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolate defective component.

4. Have subordinate repair/replace defective component.

5. Inspect subordinate's work and verify that equipment is fully mission capable.
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

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2. Applied advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams
   
3. Isolated defective component.
   
   
5. Inspected subordinate’s work and verify that equipment is fully mission capable.

**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA Form 2404
DA Form 5988-E
TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 19: CENTRAL TIRE INFLATION SYSTEM (CTIS)
091-91S-3004

Supervise Maintenance in the Central Tire Inflation System

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Central Tire Inflation System and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Central Tire Inflation System in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Central Tire Inflation System must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: None

Performance Steps


2. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolate defective component.

4. Have subordinate repair/replace defective component.

5. Inspect subordinate's work and verify that equipment is fully mission capable.
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

Evaluation Preparation:
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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  Verified subordinate followed correct troubleshooting procedures in accordance with Technical Manual.

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  Applied advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

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  Isolated defective component.

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  Verified subordinates repair/replace defective component.

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  Inspected subordinate’s work and verify that equipment is fully mission capable.

Evaluation Guidance: Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

References
Required

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 20: FIRE CONTROL SYSTEMS MAINTENANCE TASKS
091-91S-3006

Supervise Maintenance on the Automatic Fire Extinguisher System (AFES)

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Automatic Fire Extinguisher System (AFES) and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Automatic Fire Extinguisher System (AFES) in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Automatic Fire Extinguisher System must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: None

Performance Steps


2. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolate defective component.

4. Have subordinate repair/replace defective component.

5. Inspect subordinate's work and verify that equipment is fully mission capable.
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
Subject Area 21: WEAPONS
091-91S-3011
Supervise Maintenance on the Cupola

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Cupola System and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Cupola System in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Cupola System must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: None

Performance Steps


2. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams.

3. Isolate defective component.

4. Have subordinate repair/replace defective component.

5. Inspect subordinate's work and verify that equipment is fully mission capable.
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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</table>

3. Isolated defective component.
5. Inspected subordinate’s work and verify that equipment is fully mission capable.

**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**
**Required**

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-3012
Supervise Maintenance on the Mortar Carrier
Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Mortar Carrier System and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Mortar Carrier System in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Mortar Carrier System must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None
Special Standards: None
Special Equipment:
Cue: None
Note: None

Performance Steps

1. Clear Weapons System and ensure it is placed in an inactive state


3. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams.

4. Isolate defective component.

5. Have subordinate repair/replace defective component.

6. Inspect subordinate’s work and verify that equipment is fully mission capable.
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

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<td>3</td>
<td>Isolated defective component.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Verified subordinates repair/replace defective component.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Inspected subordinate’s work and verify that equipment is fully mission capable.</td>
<td></td>
</tr>
</tbody>
</table>

**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-3014
Supervise Maintenance on the Anti-Tank Guided Missile (ATGM)
Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Anti-Tank Guided Missile System (ATGM) and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Anti-Tank Guided Missile System (ATGM) in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Anti-Tank Guided Missile System must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None
Special Standards: None
Special Equipment:
Cue: None
Note: None
Performance Steps

1. Clear Weapons System and ensure it is placed in an inactive state


3. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams.

4. Isolate defective component.

5. Have subordinate repair/replace defective component.

6. Inspect subordinate’s work and verify that equipment is fully mission capable
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and special tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

<table>
<thead>
<tr>
<th></th>
<th>GO</th>
<th>NO GO</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Verified subordinate followed correct troubleshooting procedures in accordance with Technical Manual.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Applied advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Isolated defective component.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Verified subordinates repair/replace defective component.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Inspected subordinate's work and verify that equipment is fully mission capable.</td>
<td></td>
</tr>
</tbody>
</table>

**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-3010
Supervise Maintenance on the Remote Weapon Station (RWS)

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Remote Weapon Station (RWS) system and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Remote Weapon Station (RWS) in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Remote Weapon Station (RWS) must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None
Special Standards: None
Special Equipment:
Cue: None
Note: None

Performance Steps

1. Clear Weapons System and ensure it is placed in an inactive state
3. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams.
4. Isolate defective component.
5. Have subordinate repair/replace defective component.
6. Inspect subordinate’s work and verify that equipment is fully mission capable
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

<table>
<thead>
<tr>
<th></th>
<th>GO</th>
<th>NO GO</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cleared Weapons System and ensured it is placed in an inactive state</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Verified subordinate followed correct troubleshooting procedures in accordance with Technical Manual.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Applied advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Isolated defective component.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Verified subordinates repair/replace defective component.</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Inspected subordinate’s work and verify that equipment is fully mission capable.</td>
<td></td>
</tr>
</tbody>
</table>

**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**
**Required**

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-3013
Supervise Maintenance on the Mobile Gun System (MGS)

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Mobile Gun System (MGS) and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Mobile Gun System (MGS) in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Mobile Gun System (MGS) must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: None

Performance Steps

1. Clear Weapons System and ensure it is placed in an inactive state


3. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams.

4. Isolate defective component.

5. Have subordinate repair/replace defective component.

6. Inspect subordinate’s work and verify that equipment is fully mission capable.
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

<table>
<thead>
<tr>
<th></th>
<th>GO</th>
<th>NO GO</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Verified subordinate followed correct troubleshooting procedures in accordance with Technical Manual.</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Applied advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams.</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Isolated defective component.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Verified subordinates repair/replace defective component</td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inspected subordinate's work and verify that equipment is fully mission capable.</td>
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</tbody>
</table>

**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References Required**

- DA Form 2404
- DA Form 5988-E
Subject Area 22: DRIVETRAIN SYSTEM
091-91S-3002

Supervise the Maintenance on the Power Train System of the Stryker

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Power Train System and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the STRYKER Power Train System in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Power Train System must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: None

Performance Steps


2. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolate defective component.

4. Have subordinate repair/replace defective component.

5. Inspect subordinate's work and verify that equipment is fully mission capable
a. Conduct a Quality Assurance inspection on the vehicle.

b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

<table>
<thead>
<tr>
<th></th>
<th>GO</th>
<th>NO GO</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Verified subordinate followed correct troubleshooting procedures in accordance with Technical Manual.</td>
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</tr>
<tr>
<td>2</td>
<td>Applied advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Isolated defective component.</td>
<td></td>
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<tr>
<td>4</td>
<td>Verified subordinates repair/replace defective component.</td>
<td></td>
</tr>
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<td>5</td>
<td>Inspected subordinate’s work and verify that equipment is fully mission capable.</td>
<td></td>
</tr>
</tbody>
</table>

**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA Form 2404
- DA Form 5988-E
- TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
091-91S-3007
Supervise Maintenance on the Drive Train

Conditions:
In an operational environment assigned as the Senior Stryker System Maintainer/Shop Foreman. A Stryker System Maintainer has been performing diagnostic procedures on a Stryker with a fault in the Drive Train and is not able to isolate the root cause of the malfunction. Given a Special Tools/Test Equipment Set (STTE), an Maintenance Support Device (MSD), and a General Mechanics Tool Kit, verify that the maintainer has followed the diagnostic procedures and diagnose to determine the root cause of the problem.

Standards:
Supervise the maintenance of the Stryker Drive Train in accordance with the applicable Interactive Electronic Technical Manual (IETM) and the Stryker onboard diagnostic system procedures and specifications. When this task is complete, the Drive Train system must operate with 100% accuracy as specified in the applicable references. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

Special Condition: None

Special Standards: None

Special Equipment:

Cue: None

Note: None

Performance Steps


2. Apply advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolate defective component.

4. Have subordinate repair/replace defective component.

5. Inspect subordinate's work and verify that equipment is fully mission capable

   a. Conduct a Quality Assurance inspection on the vehicle.
b. Review forms for correctness and completeness.

**Evaluation Preparation:**
Ensure all equipment and specials tools are available before evaluation. All initial set-up and equipment conditions must be performed in accordance with appropriate references to successfully complete the task.

**Performance Measures**

<table>
<thead>
<tr>
<th></th>
<th>GO</th>
<th>NO GO</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Performance Measures**


2. Applied advanced diagnostic techniques employing Theory of Operation and schematics/wiring diagrams

3. Isolated defective component.


5. Inspected subordinate's work and verify that equipment is fully mission capable.

**Evaluation Guidance:** Score the Soldier GO if all performance measures were passed. Score the Soldier NO GO if any performance measure was failed. If the Soldier fails any performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA Form 2404
DA Form 5988-E

TM 9-2355-311-13&P Interactive Electronic Technical Manual (IETM) for Stryker
CHAPTER 4

Duty Position Tasks

10-91S. MOS 91S—Stryker Systems Maintainer, Stryker Systems Maintainer Career Management Field 91

a. Major duties. The Stryker Systems Maintainer supervises and performs field level maintenance on the Stryker family of vehicles (M1126 Infantry Carrier Vehicle, M1127 Recon Vehicle, M1128 Mobile Gun System (MGS), M1129 Mortar Carrier, M1130 Commander’s Vehicle (CV), M1131 Fire Support Vehicle (FSV), M1132 Engineer Support Vehicle (ESV), M1133 Medical Evacuation Vehicle (MEV), M1134 Anti-Tank Guided Missile (ATGM), and M1135 NBC Recon Vehicle (NBCRV).

Duties for MOS 91S at each skill level are:

(1) MOSC 91S1O. Diagnoses and troubleshoots malfunctions, performs field level maintenance on the engines, transmissions and power train major assemblies and components, vehicular mounted environmental control systems, fuel system components, suspension systems, steering systems, hydraulic systems, vehicular mounted armament, gun turret drive system and the fire control system on the Stryker family of vehicles.

(2) MOSC 91S2O. Performs duties assigned in preceding skill level, supervises and provides technical guidance to junior grade Soldiers in the accomplishment of their duties. Diagnoses and corrects malfunctions of various subsystems, conducts in-process inspection/troubleshooting procedures, during repairs and overhaul of engines, transmissions and power train major assemblies and components, vehicular mounted environmental control systems, fuel system components, suspension systems, steering systems, hydraulic system, fire extinguisher/suppression systems, vehicular mounted armament, gun turret drive systems and fire control systems.

(3) MOSC 91S3O. Performs duties assigned in preceding skill level, supervises and provides technical guidance to junior grade Soldiers in the accomplishment of their duties. Supervises compliance with shop safety program, and use, maintenance and security of hand and shop power tools. Supervises and performs diagnostic troubleshooting to determine maintenance repair criteria using Test Measurement Diagnostic Equipment (TMDE). Performs equipment classification inspections and annotate and submit appropriate forms and documents. Performs Battlefield Damage Assessment and Repair (BDAR).

b. Physical demands rating and qualifications for initial award of MOS. Stryker System Maintainers must possess the following qualifications:

(1) A physical demands rating of very heavy.
(2) A physical profile of 222222.
(3) Qualifying scores.
(a) A minimum score of 90 in aptitude area MM in Armed Services Vocational Aptitude Battery (ASVAB) tests administered prior to 2 January 2002.

(b) A minimum score of 87 in aptitude area MM on ASVAB tests administered on and after 2 January 2002 and prior to 1 July 2004.

(c) A minimum score of (87 in aptitude area MM and 85 in aptitude area GT) or a minimum score of 92 in aptitude area MM on ASVAB tests administered on and after 1 July 2004.

(4) Formal training by completion of MOS 91S course conducted under the auspices of the USA Ordnance School is mandatory.

a. Additional skill identifiers. (Note: Refer to table 12-8 for (List of universal ASI’s associated with this MOS)). H8—Recovery Operations.

b. Physical requirements and standards of grade. Physical requirements and SG relating to each skill level are listed in the following tables:

(1) Table 10-91S-1. Physical requirements.
(2) Table 10-91S-2. Standards of grade TOE/MTOE.
(3) Table 10-91S-3. Standards of grade TDA.

### Table 10-91S-1

**Physical requirements for MOS 91S**

<table>
<thead>
<tr>
<th>Skill level</th>
<th>Task numbers</th>
<th>Tasks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1,2,3,4,5</td>
<td>1. Occasionally lifts 230 pounds as part of a 2 Soldier team (prorated 115 pounds per Soldier) and carries 25 feet. 2. Occasionally pushes/pulls up to 100 pounds 25 feet, lifts/lowers 100 pounds 4 feet, and carries 25 feet. 3. Occasionally climbs/descends 8.5 feet. 4. Must possess normal color vision. 5. Must possess finger dexterity in both hands.</td>
</tr>
<tr>
<td>2</td>
<td>1,2,3,4,5</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1,2,3,4,5</td>
<td></td>
</tr>
</tbody>
</table>
### Table 10-91S-2
### Standards of grade TOE/MTOE for MOS 91S

<table>
<thead>
<tr>
<th>Line</th>
<th>Duty position</th>
<th>Code</th>
<th>Grade</th>
<th>Number of position*</th>
<th>Explanatory notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>STRYKER SYS MAINT RECOVERY VEH OPER</td>
<td>91S1O 91S1OH 8</td>
<td>E3</td>
<td>1 1 2 2 2 2 3 3 3 3</td>
<td>Grades of additional positions will be in same pattern.</td>
</tr>
<tr>
<td>2</td>
<td>STRYKER SYS MAINT RECOVERY VEH OPER</td>
<td>91S1O 91S1OH 8</td>
<td>E4</td>
<td>1 1 1 2 3 3 3 4</td>
<td>Grades of additional positions will be in same pattern.</td>
</tr>
<tr>
<td>3</td>
<td>STRYKER SYS MAINT RECOVERY VEH OPER</td>
<td>91S2O 91S2OH 8</td>
<td>E5</td>
<td>1 1 1 2 2 2 3 3 3</td>
<td>Grades of additional positions will be in same pattern.</td>
</tr>
<tr>
<td>4</td>
<td>STRYKER SYS MAINT</td>
<td>91S2O</td>
<td>E5</td>
<td></td>
<td>For use in maintenance section where only one skill level 10 position exists (03410R000, Chem Co CBT SPT and 07818G100, Ranger Spt Co.)</td>
</tr>
<tr>
<td>5</td>
<td>SR STRYKER SYS MAINT RECOVERY VEH SUPV</td>
<td>91S3O 91S3OH 8</td>
<td>E6</td>
<td></td>
<td>Sr Stryker Sys Maintainers will be substituted for MARC supported 91S positions. The total number of mechanics will not increase. Substitute one per 5 to 9 Stryker Sys Maintainers; two per 10 to 18 Stryker Sys Maintainers.</td>
</tr>
<tr>
<td>6</td>
<td>PLATOON SERGEANT</td>
<td>91S3O</td>
<td>E6</td>
<td></td>
<td>Principal NCO in a platoon with platoon leader and ten or more enlisted subordinates.</td>
</tr>
</tbody>
</table>

**Notes:**
1. *Blank spaces in this column indicate not applicable.
2. Unless otherwise noted in explanatory notes, single lines provide grading for one position only.
3. When TOE/MTOE organizations are supported by an augmentation TDA, augmentation (A) and base paragraphs will be graded in the aggregate.
4. When no grading guidance is provided by this table for coding TOE/MTOE, TRADOC MSCs and Non-TRADOC specified proponent (TOE Combat Developers) will coordinate with appropriate Branch Personnel Proponents (listed in chapter 15) to support additional grading of manpower requirements.

Table 10-91S-3
Standards of grade TDA for MOS 91S (Effective 1110)

<table>
<thead>
<tr>
<th>Line</th>
<th>Duty position</th>
<th>Code</th>
<th>Grade</th>
<th>Number of position*</th>
<th>Explanatory notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>STRYKER SYS MAINT</td>
<td>91S1O</td>
<td>E3</td>
<td>1 1 2 2 2 3 3 3 3 3</td>
<td>Grades of additional positions will be in same pattern.</td>
</tr>
<tr>
<td>2</td>
<td>STRYKER SYS MAINT</td>
<td>91S1O</td>
<td>E4</td>
<td>1 1 1 2 3 3 3 4</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>STRYKER SYS MAINT</td>
<td>91S2O</td>
<td>E5</td>
<td>1 1 1 1 2 2 2 3 3 3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SR STRYKER SYS MAINT</td>
<td>91S3O</td>
<td>E6</td>
<td></td>
<td>Supervision of 4 to 9 subordinates in MOS 91B OR 91S.</td>
</tr>
<tr>
<td>5</td>
<td>PLATOON SERGEANT</td>
<td>91S3O</td>
<td>E6</td>
<td></td>
<td>Principal NCO in a platoon with platoon leader and ten or more enlisted subordinates.</td>
</tr>
</tbody>
</table>

Notes:
1. *Blank spaces in this column indicate not applicable.
2. Unless otherwise noted in explanatory notes, single lines provide grading for one position only. Numbers in (#) indicate total of multiple positions in SRC/organization.
3. When TDA organizations are supported with additional and/or dual line TDA positions, the additional line(s) and base paragraph will be graded in the aggregate.
4. When no grading guidance is provided by this table for coding TDA, MACOM Manpower Managers will coordinate with the appropriate Branch Personnel Proponents (listed in chapter 15) to support additional manpower grading requirements.
APPENDIX A

HANDS-ON EVALUATION (DA FORM 5164-R)
INSTRUCTIONS

DA Form 5164-R (Hands-on Evaluation) allows the trainer to keep a record of the performance measures a Soldier passes or fails on each task.

Before evaluation:

1. Obtain a blank cope of DA Form 5164-R, which you may locally reproduce on 8 1/2 X 11 paper.
2. Enter the task title and 10-digit number from the STP task summary.
3. In column a, enter the performance measure numbers from the task summary.
4. In column b, enter the performance measure corresponding to the number in Column a (you may abbreviate this information, if necessary).
5. Locally reproduce the partially completed form when evaluating more than one Soldier on the task or when evaluating the same Soldier more than once.

During evaluation:

1. Enter that date just before evaluating the Soldier’s task performance.
2. Enter the evaluator’s name, the Soldier’s name, and the unit.
3. For each performance measure in Column b, enter a check in Column c (PASS) or Column d (FAIL), as appropriate.
4. Compare the number of performance measures the Soldier passed (and, if applicable, which ones) against the task standards specified in the task summary. If the standards are met or exceeded, check the GO block under STATUS, otherwise, check the NO-GO block.
GLOSSARY

Section I
Acronyms & Abbreviations

1SG  First Sergeant
AAR  After Action Review
AC  Alternate Current
ACOM  Army Command
ADRP  Army Doctrine Reference Publication
AFES  Automatic Fire Extinguishing System
ALC  Advance Leader Course
AMEDD  Army Medical Department
AN  Annually
APD  Army Publishing Directorate
ARNG  Army National Guard
ARNGUS  Army National Guard United States
ARTEP  Army Training and Evaluation Program
ASI  Additional Skill Identifier
ASVAB  Armed Service Vocational Aptitude Battery
ATGM  Anti-Tank Guided Missile
BA  Biennually
BDAR  Battle Damage Assessment and Repair
BM  Bimonthly
BW  Biweekly
CASCOM  Combined Arms Support Command
CAR  Central Army Registry
CBRNE  Chemical, Biological, Radiological, Nuclear, and high yield Explosives
CMF  Career Management Field
CONUSA  Continental United States Army
CSM  Command Sergeant Major
CTC  Combat Training Centers
CTIS  Central Tire Inflation System
CV  Commander’s Vehicle
DA  Daily
DA FORM  Department of the Army Form
ESV  Engineer Support Vehicle
FM  Field Manual
FSV  Fire Support Vehicle
GT  General Technical
GMTK  General Mechanic Tool Kit
HQ  Headquarters
HR  Hourly
IETM  Interactive Electronic Technical Manual
INST  Institutional
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MACOM</td>
<td>Major Army Command</td>
</tr>
<tr>
<td>MARC</td>
<td>Manpower Requirements Criteria</td>
</tr>
<tr>
<td>METL</td>
<td>Mission Essential Task List</td>
</tr>
<tr>
<td>MEV</td>
<td>Medical Evacuation Vehicle</td>
</tr>
<tr>
<td>MGS</td>
<td>Mobile Gun System</td>
</tr>
<tr>
<td>MM</td>
<td>Mechanical Maintenance</td>
</tr>
<tr>
<td>MO</td>
<td>Monthly</td>
</tr>
<tr>
<td>MOOTW</td>
<td>Military Operations Other Than War</td>
</tr>
<tr>
<td>MOS</td>
<td>Military Occupational Specialty</td>
</tr>
<tr>
<td>MSC</td>
<td>Major Subordinate Command</td>
</tr>
<tr>
<td>MSD</td>
<td>Maintenance Support Device</td>
</tr>
<tr>
<td>MTOE</td>
<td>Modified Table of Organization and Equipment</td>
</tr>
<tr>
<td>MTP</td>
<td>Mission Training Plan</td>
</tr>
<tr>
<td>NCO</td>
<td>Non-Commissioned Officer</td>
</tr>
<tr>
<td>NBCRV</td>
<td>Nuclear Biological Chemical Recon Vehicle</td>
</tr>
<tr>
<td>OE</td>
<td>Operational Environment</td>
</tr>
<tr>
<td>OP</td>
<td>Operational</td>
</tr>
<tr>
<td>OT</td>
<td>One Time</td>
</tr>
<tr>
<td>QT</td>
<td>Quarterly</td>
</tr>
<tr>
<td>RC</td>
<td>Reserve Component</td>
</tr>
<tr>
<td>RWS</td>
<td>Remote Weapon Station</td>
</tr>
<tr>
<td>SA</td>
<td>Semi-Annually</td>
</tr>
<tr>
<td>SCOE</td>
<td>Sustainment Center of Excellence</td>
</tr>
<tr>
<td>SD</td>
<td>Self-Development</td>
</tr>
<tr>
<td>SL</td>
<td>Skill Level</td>
</tr>
<tr>
<td>SM</td>
<td>Soldier’s Manual</td>
</tr>
<tr>
<td>SMCT</td>
<td>Soldier Manual of Common Task</td>
</tr>
<tr>
<td>SOP</td>
<td>Standard Operating Procedure</td>
</tr>
<tr>
<td>SRC</td>
<td>Standard Requirements Code</td>
</tr>
<tr>
<td>STP</td>
<td>Soldier Training Publication</td>
</tr>
<tr>
<td>STTE</td>
<td>Special Tools/Test Equipment</td>
</tr>
<tr>
<td>TADSS</td>
<td>Training Aids, Devices, Simulators, and Simulations</td>
</tr>
<tr>
<td>TAMMS</td>
<td>The Army Maintenance Management System</td>
</tr>
<tr>
<td>TDA</td>
<td>Temporary Duty Assignment</td>
</tr>
<tr>
<td>TG</td>
<td>Trainer’s Guide</td>
</tr>
<tr>
<td>TM</td>
<td>Technical Manual</td>
</tr>
<tr>
<td>TMDE</td>
<td>Test, Measurement, and Diagnostic Equipment</td>
</tr>
<tr>
<td>TOE</td>
<td>Table of Organization and Equipment</td>
</tr>
<tr>
<td>TRADOC</td>
<td>United States Army Training and Doctrine Command</td>
</tr>
<tr>
<td>TTPs</td>
<td>Tactics, Techniques and Procedures</td>
</tr>
<tr>
<td>USAR</td>
<td>United States Army Reserve</td>
</tr>
<tr>
<td>WP</td>
<td>Work Package</td>
</tr>
<tr>
<td>VEH</td>
<td>Vehicle</td>
</tr>
</tbody>
</table>
Section II
Terms

Additional Skill Identifier (ASI)
Identification of specialized skills that are closely related to, and are in addition to, those required by MOS or Specialty Skill Identifier (SSI). Specialized skills identified by the ASI include operation and maintenance of specific weapons systems and equipment, administrative-type system and subsystems, computer programming, languages, procedures, installation management, analytic methods, animal-handling techniques, and similar required skills that are too restricted in scope to comprise an MOS or SSI.

Air Brake
The general term used to describe the braking system used on most railways operating in North America.

Air Brake Hose
The flexible hose at each end of a car that is fastened to the brake pipe angle cock on one end and has a fitting on the other end that engages with a similar coupling on an adjoining car. Sometimes known as the "air hose" or the "brake hose".

Air Brake Hose Coupling
A special type of standardized fitting that is attached to one end of an air brake hose in order to provide means for rapid and positive connection and disconnection of the hoses between adjacent cars.

Alternating Current (AC)
Electrical energy as supplied by normal wall outlets.

Alternator
A device similar to a generator but which produces ac current.

Ampere
Unit of electric-current-flow measurement. The current that will flow through a 1-ohm resistance when 1 volt is impressed across the resistance.

Circuit
A closed path or combination of paths through which passage of the medium (electric current, air, liquid, etc) is possible.

Circuit Breaker
In electric circuits, a mechanism designed to break or open the circuit when certain conditions exist; especially the device in automotive circuits that opens the circuit between the generator and battery to prevent overcharging of the battery. (One of the three units comprising a generator regulator.)

Common Task
A critical task for which all Soldiers at a given skill level are accountable, regardless of their MOS.

Condition Code
A one-position, alphabetical character used to classify materiel (ammunition). Condition codes identify the degree of serviceability, the condition, and the completeness of ammunition in terms of readiness for issue and use. They also can be used to identify actions under way to change the status of materiel.
Cooling System
A system that reduces heat generated by the engine and thereby prevents engine overheating; Includes, In liquid-cooled engine, engine water jackets, radiator, and water pump

Critical skill
A military occupational specialty (MOS) with less than 80 percent assigned of the ARNG wartime required strength.

Critical task
A task which is essential for accomplishment of successful individual skill performance.

Duty MOS
The MOS of the position on the TOE/TDA/MTOE to which a Soldier is assigned.

Duty Position
Duty positions are determined by military occupational specialties (MOSs), which are subdivided into five major skill levels (SLs). These SLs are further subdivided into related individual tasks which identify a Soldier's SL or job.

Field Manual
1. DA publication that contains doctrine that prescribes how the Army and its organizations function on the battlefield in terms of missions, organizations, personnel, and equipment. The level of detail should facilitate an understanding of "what" and "how" for commanders and staffs to execute the missions and tasks. An FM may also be used to publish selected alliance doctrinal publications that are not readily integrated into other doctrinal literature.
2. One of two manuals that together form the Association of American Railroads Code of Interchange Rules governing the condition and repair of railway equipment used in interchange service. The Field Manual contains technical information concerning mechanical condition, wear limits, and repair criteria for interchange cars.

Generator Regulator
In the electrical system, the unit that is composed of the current regulator voltage regulator, and circuit breaker relay.

GO/NO-GO
This is a pass-fail criterion of evaluation whereby the Soldier cannot be "partially correct." The Soldier either meets the standard or does not meet the standard.

Ground
Connection of an electrical unit to the engine or frame to return the current to its source

Leader task
An individual task performed by a leader that is integral to successful performance of a collective task.

Lubrication
The process of supplying a coating of oil between moving surfaces to prevent actual contact between them. The oil film permits relative movement with little frictional resistance.

Mission essential task list (METL)
A compilation of collective mission essential tasks which must be successfully performed if an organization is to accomplish its wartime mission(s).

Open Circuit
An open circuit is a condition caused by an open switch or a broken electrical wire or connection. When this condition exists, signal or supply voltage can no longer reach its intended destination.

**Parallel Circuit**
The electrical circuit formed when two or more electrical devices have like terminals connected together (positive to positive and negative to negative) so that each may operate independently of the other.

**Regulator**
A device used to control output of the charging system.

**Self-Development**
A planned, progressive, and sequential program followed by leaders to enhance and sustain their military competencies. Self-development consists of individual study, research, professional reading, practice, and self-assessment.

**Short Circuit**
1. A short circuit is a condition where an electrical circuit is inadvertently connected to an undesirable point. An example of a short circuit is a wire which rubs against a machine frame and this rubbing eventually wears off wire insulation. Electrical contact with frame is made and a short circuit results.
2. In electrical circuits, an abnormal connection that permits current to take a short path or circuit, thus bypassing important parts of the normal circuit.

**Skill Level (SL)**
A number which denotes the level of qualification within the total MOS. Levels of qualification are identified by characters 0 through 5 in the position of the MOS code.

**Soldier Manual of Common Tasks (SMCT)**
A document which contains the critical tasks which every Soldier must be able to perform in order to fight and win on the battlefield. It provides the conditions, standards, and performance measures for each common Soldier critical task.

**Task**
A clearly defined and measurable activity accomplished by individuals and organizations. It is the lowest behavioral level in a job or unit that is performed for its own sake. It must be specific; usually has a definite beginning and ending; may support or be supported by other tasks; has only one action and, therefore, is described using only one verb; generally is performed in a relatively short time (however, there may be no time limit or there may be a specific time limit); and it must be observable and measurable. The task title must contain an action verb and object and may contain a qualifier.

**Task Conditions**
The specific circumstances or situations under which a job is done. It lists the people, tools, equipment, environment, and other items necessary to perform the job.

**Task Standards**
A description of how well, how completely, how accurately or how quickly a task must be performed in wartime. Combined standards, such as how well and how quickly a task must be performed, may also be used.

**Task Performance Steps**
The required unit/individual actions that must be performed to accomplish the critical task. Each step must be specific and detailed and contain only one action or unit of work. Note: A collective task step may be a supporting individual or collective task.
**Unit Training**
Training (individual, collective, and joint or combined) that takes place outside the Army's institutional base.

**Volt**
A unit of potential, potential difference, or electrical pressure

**Voltage Regulator**
A device used in connection with a generator to keep the voltage constant and to prevent it from exceeding a predetermined maximum. (One of the three units comprising a generator regulator.)
REFERENCES

Required Publications
Required publications are sources that users must read in order to understand or to comply with this publication. New reference material is being published all the time. Present references, as listed below may become obsolete. To keep up-to-date, see DA Pam 25-30. Many of these publications and forms are available in electronic format from the sites listed below:

ADRP 1-02. Terms and Military Symbols. 2 February 2015.

Army Publishing Directorate Administrative Departmental Publications and Forms (ARs, CIRs, PAMs, OFs, SFs, DD & DA Forms)

Soldier’s Training Homepage – CAR Services Army Doctrinal and Training Publications (FMs, PBs, TCs, STPs)


Related Publications
Related publications are sources of additional information. They are not required in order to understand this publication. Most Army doctrinal publications are available on the Army Publishing Directorate (ADP) web site: www.apd.army.mil. Most joint publications are available online: www.dtic.mil/doctrine/newpubs/jointpub.htm.

ADRP 7-0. Training Units and Developing Leaders. 23 August 2012.

Prescribed Forms
There are no Prescribed Forms with this publication.

Referenced Forms
31 December 2015 Reference-1
DA Form 2028. Recommended Changes to Publications and Blank Forms.
DA Form 2404. Equipment Inspection and Maintenance Worksheet.
DA Form 5164-R. Hands-On Evaluation.
DA Form 5988-E. Equipment Maintenance and Inspection Worksheet (EGA). Printed forms are available through normal forms supply channels.
By Order of the Secretary of the Army:

MARK A. MILLEY
General, United States Army
Chief of Staff

Official:

GERALD B. O’KEEFE
Administrative Assistant to the
Secretary of the Army
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