

STP 9-27E14-SM-TG

**Soldier's Manual/Trainer's
Guide, MOS 27E, Land
Combat Electronic Missile
System Repairer**

DECEMBER 2002

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DEPARTMENT OF THE ARMY**

SOLDIER'S MANUAL and TRAINER'S GUIDE

MOS 27E

Land Combat Electronic Missile System Repairer

Skill Levels 1, 2, 3 and 4

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PREFACE

This soldier training publication (STP) is intended for soldiers holding MOS 27E, Skill Levels 1, 2, 3, and 4, their supervisors, trainers, and commanders. It contains an MOS Training Plan that provides information needed to plan, conduct, and evaluate unit training, one of the most important jobs of military leaders. It includes standardized training objectives in the form of task summaries that can be used to train and evaluate soldiers on critical tasks supporting unit missions during wartime.

Soldiers holding MOS 27E should have access to this publication. Trainers and first-line supervisors should actively plan for soldiers' access, making it available in work areas, unit learning centers, and unit libraries. However, it is not intended for an individual copy to be provided to each MOS holder. The STP is obtainable on-line from the Reimer Digital Library (RDL) at <http://www.adtdl.army.mil/atdls.htm>

Tasks in this manual apply to both Active and Reserve Component soldiers.

The proponent of this publication is HQ TRADOC. Submit comments and recommendations on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Department of the Army, Training Directorate, Ordnance Training Division, ATTN: ATCL-AO, 401 First Street, Suite 225, Fort Lee, VA 23801-1511.

Unless this publication states otherwise, masculine nouns and pronouns do not refer exclusively to men.

CHAPTER 1

Introduction

1-1. General. This soldier training publication (STP) identifies individual MOS training requirements for soldiers holding MOS 27E. Commanders, trainers, and soldiers should use it to plan, conduct, and evaluate individual training in units. The STP is the primary MOS reference for supporting self-development, evaluating MOS proficiency, and training of 27E soldiers. Commanders employ two primary methods to evaluate soldiers' proficiency:

- Commander's evaluation. Commander's evaluations are local tests or assessments of soldiers' performance of MOS-specific and common tasks critical to the unit mission. They may be conducted year-round.
- Common task test (CTT). CTTs are hands-on tests used to evaluate proficiency on common tasks. Alternate written tests are provided if equipment is not available for hands-on testing.

This publication is the soldier's primary reference to prepare for a commander's evaluation of MOS-specific tasks. It contains task summaries for all critical tasks specific to the MOS and skill level (SL). Commanders and trainers will use this soldier's manual/trainer's guide (SM/TG) to plan and conduct training and commander's evaluations.

Chapter 2, Trainer's Guide, contains information needed to plan training requirements for this MOS. The trainer's guide

- Identifies subject areas in which soldiers must be trained.
- Identifies critical tasks for each subject area.
- Specifies where soldiers are initially trained on each task.
- Recommends how often each task should be trained to sustain proficiency.
- Recommends a strategy for cross-training soldiers.
- Recommends a strategy for training soldiers to perform higher-level tasks.

Use this STP along with the following publications to establish effective training plans and programs that integrate soldier, leaders, and collective tasks: STP 21-1-SMCT (Soldier's Manual of Common Tasks, Skill Level 1), STP 21-24-SMCT (Soldier's Manual of Common Tasks, Skill Levels 2-4), Army training and evaluation programs (ARTEPs), FM 25-4 (How to Conduct Training Exercises), FM 25-5 (Training for Mobilization and War), FM 25-100 (Training the Force), and FM 25-101 (Battle-Focused Training).

1-2. Task Summaries. Task summaries outline wartime performance requirements for each critical task in the STP. They provide both soldier and trainer with the information necessary to prepare, conduct, and evaluate critical task training. As a minimum, task summaries include information soldiers must know and skills they must perform to standard for each task. Following is the task summary format:

- Task number. The task number is a 10-digit number that identifies the task and skill level. Include the task number and title in any correspondence relating to the task.
- Task title. The task title identifies the action to be performed.
- Conditions. The task condition statement describes the field or garrison conditions under which the task will be performed and identifies the equipment, tools, references, job aids, and supporting personnel that the soldier needs to perform the task in wartime.
- Standards. The task standards describe how well and to what level of proficiency the soldier must perform the task under wartime conditions. Standards are typically expressed in terms of accuracy, completeness, duration, sequence, speed, and tolerance.
- Performance measures. This section identifies specific actions that the soldier must accomplish to complete the task successfully. Performance measures appear in a GO/NO-GO rating format for easy evaluation. Some tasks may also include detailed training information in a Training Information Outline and an Evaluation Preparation Section. The Evaluation Preparation Section 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.
- References. This section identifies references that provide more detailed explanations of task performance requirements than are given in the task summary.
- Warnings. Warnings alert users to the possibility of immediate personal injury or equipment damage.
- Notes. Notes provide additional supportive explanations or tips relating to task performance.

1-3. Soldier's Responsibilities. 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. 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 performance of all common tasks listed in the SMCTs 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.

1-4. NCO Self-Development and the STP. Self-development is a key component of leader development. Leaders follow planned, progressive, sequential self-development programs developed by the individual NCO and his or her first-line supervisor to enhance and sustain military competencies. Self-development consists of individual study, research, professional reading, practice, and self-assessment. The self-development concept requires NCOs, as Army professionals, to take responsibility for remaining current in all phases of their MOS. The STP is the NCO's primary source for maintaining MOS proficiency.

Another important resource for self-development is the Army Correspondence Course Program (ACCP). Refer to DA Pamphlet 351-20 (Army Correspondence Course Program Catalog) for detailed eligibility requirements and enrollment information. The catalog is available at local education centers or on line through the Army Institute for Professional Development (AIPD) web site. The web site offers on-line enrollment.

1-5. Commander's Responsibilities. Commanders must ensure that their unit training plans prepare the unit for war by enabling soldiers to develop and sustain proficiency in their MOS and skill level tasks. Commanders should design unit-training programs to provide individual training for all soldiers assigned to the unit and to evaluate soldier proficiency routinely as part of the commander's evaluation program. The unit-training program should also integrate individual training with crew drills and other collective training. The MOS training plan provides information on which to base integration, cross-train, train-up, and sustainment training programs. Commanders should use the MOS training plan when developing unit-training plans.

1-6. Trainer's Responsibilities. Training is the business of all unit leaders. First-line leaders are the principal trainers in the unit because they directly supervise soldiers and lead crews, squads, sections, and teams.

Trainers can use the MOS training plan to determine the critical tasks each soldier is responsible. They should tell each soldier which tasks he or she must be able to perform. Trainers should evaluate task performance to determine which tasks each soldier can or cannot perform to standard. Soldiers who cannot perform a task to standard need further training. This STP helps the trainer do what trainers are paid to do train. Developing effective training is explained in detail in FM 25-100 and FM 25-101.

Every task summary in this STP includes performance measures, which trainers may use year-round to determine if soldiers can perform critical tasks to the specified standards. The performance measures identify what the trainer needs to observe to score a soldier's performance. A blank space is provided for the trainer to check either the GO or NO-GO column for each performance measure. Some tasks require the trainer to watch the soldier perform them (evaluate the process). Other tasks call for the trainer to focus on the results of the soldier's performance (evaluate the product). Comments should not be written on the task summary.

Trainers can monitor the progress of their soldiers by recording task go/no-go results. Trainers may use DA Form 5164-R (Hands-On Evaluation) to record the performance measures a soldier passed or failed. The form, which may be locally reproduced, applies to all tasks in this STP. Trainers may have DA Form 5164-R overprinted with information unique to their training requirements before reproducing it. See Appendix A of this STP for a sample DA Form 5164-R with instructions.

- Trainers may use DA Form 5165-R (Field Expedient Squad Book) to record hands-on go/no-go results for a group of soldiers (for example, a crew, section, or squad) having the same MOS and skill level. This form supports conduct of commander's evaluations, and can be used to record training results gathered in the field during slack time for all MOS's and skill levels. Use of this form is optional. See Appendix B for a sample DA Form 5165-R with instructions. Trainers should work with each soldier until tasks can be performed to specific task summary standards.

1-7. Training Support. References have been identified for each task to assist in planning and conducting training. A consolidated list of references identified by type, publication number, and title and a comprehensive glossary of acronyms, abbreviations, and definitions are included in this STP.

CHAPTER 2

Trainer's Guide

2-1. General. The MOS Training Plan (MTP) 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 MTP should be used as a guide for conducting unit training and not a rigid standard. The MTP 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 MTP 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 MTP. 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 MOSC 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 MTP.
- **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 where the task is first trained to soldier training publication standards. If the task is first trained to standard in the unit, the word "Unit" will be in this column. If the task is first trained to standard in the training base, it will identify, by brevity code (ANCOC, BNCOC, etc.), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

| | |
|--------------|------------------------------|
| AIT | Advanced Individual Training |
| UNIT | Trained in the Unit |
| BNCOC | Basic NCO Course |
| BCT | Basic Combat Course |
| ANCOC | Advanced NCO Course |

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.

| | |
|-----------|----------------|
| BA | - Biannually |
| AN | - Annually |
| SA | - Semiannually |
| QT | - Quarterly |
| MO | - Monthly |
| BW | - Bi-weekly |
| WK | - Weekly |

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. Subject Area Codes.

Skill Level 1

- 1 TOW and TOW 2 Missile Maintenance
- 2 Dragon Missile Maintenance
- 3 Night Sight Maintenance
- 4 ASI J9--Equipment. Op./Main. Test Set, Guided Missile Sys. (TOW-Ground) Maint.
- 5 Javelin Missile System
- 6 Bradley Fighting Vehicle TOW2 Subsystem Maintenance

Skill Level 2

- 1 TOW and TOW 2 Missile Maintenance
- 2 Dragon Missile Maintenance

Skill Level 3

- 7 Maintenance Operations
- 8 Maintenance Management I

Skill Level 4

- 9 Maintenance Management II

2-3. Duty Position Training Requirements.

| SKILL LEVEL | DUTY POSITION | SUBJECT AREA | CROSS TRAIN | TRAIN-UP MERGER |
|--------------------|--|---------------------|--|---|
| 1 | Land Combat Electronic Missile System Repairer TFTS Rep | 1 through 6 | NA | 27E2, Land Combat Electronic Missile System Repairer |
| 2 | Land Combat Electronic Missile System Repairer TFTS Rep | 1 through 6 | NA | 27E3, Land Combat Electronic Missile System NCO, Foreman |
| 3 | Land Combat Electronic Missile System Foreman | 1 through 8 | Technical Inspector Operations NCO | 27E4, Land Combat Electronic Missile System Technical Inspector, Senior Maintenance Supervisor |
| 4 | Land Combat Electronic Missile System Technical Inspector/Section Chief Platoon Sergeant | 1 through 9 | Maintenance Control | 27E4, Land Combat Electronic Missile System Platoon Sergeant |

2-4. Critical Tasks List.**MOS TRAINING PLAN
27E14****CRITICAL TASKS**

| Subject Area | Task Number | Title | Training Location | Sust Tng Freq | Sust Tng SL | |
|--------------------------------------|-------------------------------|--|--------------------------|----------------------|--------------------|-----|
| Skill Level 1 | | | | | | |
| 1. TOW and TOW 2 Missile Maintenance | 093-27E-1656 | Repair the (ITAS) Fire Control Subsystem (FCS) | AIT | AN | 1-4 | |
| | 093-27E-1400 | Perform the TOW2 Launcher System Checkout Procedure | AIT | AN | 1-4 | |
| | 093-27E-1401 | Repair TOW2 Missile Guidance Set | AIT | AN | 1-4 | |
| | 093-27E-1405 | Troubleshoot the TOW2 Traversing Unit | AIT | AN | 1-4 | |
| | 093-27E-1407 | Repair the TOW2 Traversing Unit | AIT | AN | 1-4 | |
| | 093-27E-1408 | Troubleshoot the Missile Guidance Test Set | AIT | AN | 1-4 | |
| | 093-27E-1422 | Perform TOW2 Launcher System Verification Procedure | AIT | AN | 1-4 | |
| | 093-27E-1431 | Perform TOW2 Traversing Unit Final Tests | AIT | AN | 1-4 | |
| | 093-27E-1432 | Perform TOW2 Weapon System Verification Procedures | AIT | AN | 1-4 | |
| | 093-27E-1451 | Repair the Missile Guidance Test Set | AIT | AN | 1-4 | |
| | 093-27E-1471 | Troubleshoot the Power Conditioner | AIT | AN | 1-4 | |
| | 093-27E-1473 | Repair the TOW Power Conditioners | AIT | AN | 1-4 | |
| | 093-27E-1475 | Repair the TOW2 Optical Sight | AIT | AN | 1-4 | |
| | 093-27E-1608 | Perform TOW2 Subsystem 180-Day Verification Test Procedures | AIT | AN | 1-4 | |
| | 093-27E-1651 | Perform Improved Target Acquisition System (ITAS) Operational Test | AIT | AN | 1-4 | |
| | 093-27E-1652 | Repair Improved Target Acquisition System (ITAS) /Traversing Unit (TU) | AIT | AN | 1-4 | |
| | 093-27E-1655 | Troubleshoot the ITAS Fire Control Subsystem (FCS) | AIT | AN | 1-4 | |
| | 2. Dragon Missile Maintenance | 093-27E-1301 | Repair the Day Tracker | AIT | AN | 1-4 |

CRITICAL TASKS

| Subject Area | Task Number | Title | Training Location | Sust Tng Freq | Sust Tng SL |
|-----------------------------------|--------------|--|-------------------|---------------|-------------|
| | 093-27E-1302 | Perform the Day Tracker Operational Checks | AIT | AN | 1-4 |
| | 093-27E-1310 | Perform the Tracker Test Set Group (TTSG) Self Test | AIT | AN | 1-4 |
| | 093-27E-1316 | Perform Day Tracker Reticle Boresight Adjustment | AIT | AN | 1-4 |
| | 093-27E-1320 | Perform Night Tracker Operational Test | AIT | AN | 1-4 |
| | 093-27E-1324 | Perform the Day Tracker Operational Test (TTSSU) | AIT | AN | 1-4 |
| | 093-27E-1330 | Repair Tracker Test Set Group | AIT | AN | 1-4 |
| | 093-27E-1340 | Repair Night Tracker | AIT | AN | 1-4 |
| 3. Night Sight Maintenance | 093-27E-1426 | Troubleshoot the AN/TAM-3B Series Night Vision Sight Test Set | AIT | AN | 1-4 |
| | 093-27E-1459 | Repair the AN/TAM-3 Series Night Vision Sight Test Set | AIT | AN | 1-4 |
| | 093-27E-1477 | Repair the AN/TAS-4 Series Night Sights | AIT | AN | 1-4 |
| | 093-27E-1479 | Troubleshoot the AN/TAS-4 Series Night Vision Sight Basic Sight Assembly | AIT | AN | 1-4 |
| | 093-27E-1481 | Adjust/Align the AN/TAS-4 Series Night Vision Sights | AIT | AN | 1-4 |
| | 093-27E-1483 | Perform the AN/TAS-4 Series 180 Day Verification | AIT | AN | 1-4 |
| | 093-27E-1520 | Troubleshoot the Battery Charger PP7382/TAS | AIT | AN | 1-4 |
| | 093-27E-1525 | Troubleshoot the Boresight Collimator | | | |
| | 093-27E-1532 | Repair the AN/TAS-6 Night Sight | AIT | AN | 1-4 |
| | 093-27E-1534 | Repair the Battery Charger PP7382/TAS | AIT | AN | 1-4 |
| | 093-27E-1536 | Repair the Boresight Collimator | AIT | AN | 1-4 |
| | 093-27E-1538 | Align the Boresight Collimator | AIT | AN | 1-4 |
| | 093-27E-1540 | Align the Boresight Collimator Test Set | AIT | AN | 1-4 |
| | 093-27E-1542 | Perform the Night Tracker Boresight Alignment | AIT | AN | 1-4 |
| | 093-27E-1544 | Perform the AN/TAS-6 Adjustment/Alignment Procedures | AIT | AN | 1-4 |
| 4. ASI J9-- Equipment. Op./Maint. | 093-27E-1018 | Repair the TOW2 Battery Charger | AIT | AN | 1-4 |

CRITICAL TASKS

| Subject Area | Task Number | Title | Training Location | Sust Tng Freq | Sust Tng SL |
|---|--------------|---|-------------------|---------------|-------------|
| Test Set, Guided Missile Sys. (TOW-Ground) Maint. | 093-27E-1104 | Perform the TOW2 Battery Charger Test Procedures | AIT | AN | 1-4 |
| | 093-27E-1112 | Repair the Power Source Unit | AIT | AN | 1-4 |
| | 093-27E-1113 | Perform the Controller Counter Alignment | AIT | AN | 1-4 |
| | 093-27E-1114 | Perform the Controller Charger Assembly Alignment | AIT | AN | 1-4 |
| | 093-27E-1115 | Perform the TOW Field Test Set Operational Procedures | AIT | AN | 1-4 |
| | 093-27E-1116 | Perform the Preventive Maintenance Checks and Services (PMCS) on the TFTS | AIT | AN | 1-4 |
| | 093-27E-1117 | Align the Controller Circuit Cards | AIT | AN | 1-4 |
| | 093-27E-1118 | Align the Power Source Unit | AIT | AN | 1-4 |
| | 093-27E-1119 | Align the Boresight Tube Assembly | AIT | AN | 1-4 |
| | 093-27E-1121 | Repair the Controller | AIT | AN | 1-4 |
| | 093-27E-1122 | Perform the Controller Digital Voltmeter Alignment | AIT | AN | 1-4 |
| | 093-27E-1124 | Troubleshoot the Controller | AIT | AN | 1-4 |
| | 093-27E-1125 | Troubleshoot the Power Source Unit | AIT | AN | 1-4 |
| | 093-27E-1136 | Repair the Target Collimator Unit | AIT | AN | 1-4 |
| | 093-27E-1141 | Perform the 240-Day Alignment Procedure on the TOW Field Test Set | AIT | AN | 1-4 |
| 5. Javelin Missile System | 093-27E-1670 | Purge the Command Launch Unit (CLU) | AIT | AN | 1-4 |
| | 093-27E-1671 | Perform Operational Checks on the Command Launch Unit (CLU) | AIT | AN | 1-4 |
| | 093-27E-1672 | Troubleshoot Command Launch Unit (CLU) | AIT | AN | 1-4 |
| | 093-27E-1673 | Repair Command Launch Unit (CLU) | AIT | AN | 1-4 |
| 6. Bradley Fighting Vehicle | 093-27E-1200 | Perform PMCS on the TOW/TOW 2 Subsystem Support Equipment | AIT | AN | 1-4 |

CRITICAL TASKS

| Subject Area | Task Number | Title | Training Location | Sust Tng Freq | Sust Tng SL |
|--------------------------------------|--------------|--|-------------------|---------------|-------------|
| TOW2 Subsystem Maintenance | 093-27E-1218 | Perform TOW Subsystem 180-Day Verification | AIT | AN | 1-4 |
| | 093-27E-1600 | Troubleshoot the BFV TOW2 Subsystem Test Set (T2SS-TS) | AIT | AN | 1-4 |
| | 093-27E-1601 | Align the BFV TOW2 Subsystem Test Set | AIT | AN | 1-4 |
| | 093-27E-1602 | Repair the BFV TOW2 Subsystem Test Set | AIT | AN | 1-4 |
| | 093-27E-1603 | Repair the BFV TOW2 Missile Guidance Set | AIT | AN | 1-4 |
| | 093-27E-1604 | Repair the BFV TOW2 Missile Launcher (TML) | AIT | AN | 1-4 |
| | 093-27E-1605 | Repair the BFV TOW2 Integrated Sight Unit (ISU) | AIT | AN | 1-4 |
| | 093-27E-1606 | Test the BFV TOW2 Basic Sight Assembly (BSA) | AIT | AN | 1-4 |
| | 093-27E-1607 | Repair the BFV TOW2 Basic Sight Assembly (BSA) | AIT | AN | 1-4 |
| | 093-27E-1657 | Troubleshoot the Battery Power Source (BPS) | AIT | AN | 1-4 |
| | 093-27E-1658 | Repair the Battery Power Source (BPS) | AIT | AN | 1-4 |
| | 093-27E-1900 | Perform 180 Day Verification on the Bradley Acquisition System (BAS) | AIT | AN | 1-4 |
| | 093-27E-1901 | Troubleshoot the (BAS) Power Supply | AIT | AN | 1-4 |
| | 093-27E-1902 | Repair the (BAS) Power Supply | AIT | AN | 1-4 |
| | 093-27E-1903 | Troubleshoot the (BAS) T2SS | AIT | AN | 1-4 |
| | 093-27E-1904 | Repair the (BAS) Integrated Sight Unit | AIT | AN | 1-4 |
| Skill Level 2 | | | | | |
| 1. TOW and TOW 2 Missile Maintenance | 093-27E-2001 | Troubleshoot the Breakout Box | UNIT | AN | 2-4 |
| | 093-27E-2003 | Troubleshoot the Electrical Circuit Test Set | UNIT | AN | 2-4 |
| | 093-27E-2004 | Repair the Launch Tube | UNIT | AN | 2-4 |
| | 093-27E-2005 | Repair the Missile Simulation Round | UNIT | AN | 2-4 |
| 2. Dragon Missile | 093-27E-2006 | Troubleshoot/Repair the Viscous Damper | UNIT | AN | 2-4 |

CRITICAL TASKS

| Subject Area | Task Number | Title | Training Location | Sust Tng Freq | Sust Tng SL |
|---------------------------------|--------------------------------------|---|-----------------------------|---------------|-------------|
| Maintenance | | | | | |
| Skill Level 3 | | | | | |
| 7. Maintenance Operations | 093-27E-3902 | Direct Maintenance on the Dragon Weapon System | UNIT | AN | 3-4 |
| | 093-27E-3903 | Direct Troubleshooting Procedures on the Man Portable Common Thermal Night Sight (MPCTNS) | UNIT | AN | 3-4 |
| | 093-27E-3908 | Direct TOW Field Test Set Operation Procedures | UNIT | AN | 3-4 |
| | 093-27E-3909 | Direct Maintenance of the TOW Field Test Set | UNIT | AN | 3-4 |
| | 093-27E-3910 | Direct Maintenance on Bradley TOW/TOW2 | UNIT | AN | 3-4 |
| | 093-27E-3911 | Direct Maintenance on the TOW2 Weapon System | UNIT | AN | 3-4 |
| | 093-SSG-3004 | Submit a Quality Deficiency Report (QDR) | BNCOC | QT | 3 |
| | 093-SSG-3006 | Plan Work Flow | BNCOC | QT | 3 |
| | 093-SSG-3008 | Provide Technical Assistance to Repairers | BNCOC | QT | 3 |
| | 093-SSG-3009 | Perform Initial Inspections | BNCOC | QT | 3 |
| | 093-SSG-3010 | Perform Final Inspections | BNCOC | QT | 3 |
| | 093-SSG-3012 | Perform In-Process Inspection | BNCOC | QT | 3 |
| | 093-SSG-3015 | Manage Demand Supported Repair Parts Listed on the Prescribed Load List (PLL) | BNCOC | QT | 3 |
| | 8. Maintenance Management I | 093-SSG-3001 | Inspect Section/Shop Safety | BNCOC | QT |
| 093-SSG-3002 | | Manage Section/Shop Security | BNCOC | QT | 3 |
| 093-SSG-3003 | | Maintain Section/Shop Calibration Program | BNCOC | QT | 3 |
| 093-SSG-3005 | | Submit Equipment Improvement Recommendation (EIR) | BNCOC | QT | 3 |
| 093-SSG-3007 | | Direct Performance of Preventive Maintenance | BNCOC | QT | 3 |
| 093-SSG-3011 | | Write a Standing Operating Procedure (SOP) | BNCOC | QT | 3 |
| 093-SSG-3013 | | Maintain Property Accountability | BNCOC | QT | 3 |
| 093-SSG-3014 | | Assess Battlefield Damage | BNCOC | QT | 3 |

CRITICAL TASKS

| Subject Area | Task Number | Title | Training Location | Sust Tng Freq | Sust Tng SL |
|------------------------------|---|---|-------------------|---------------|-------------|
| | 093-SSG-3016 | Monitor Bench Stock Operations | BNCOC | QT | 3 |
| | 093-SSG-3017 | Monitor Shop Stock Operations | BNCOC | QT | 3 |
| | 093-SSG-3019 | Inspect Maintenance Support Team Operations | BNCOC | QT | 3 |
| | 093-SSG-3020 | Inspect Maintenance Reporting and Management Data | BNCOC | QT | 3 |
| | 093-SSG-3021 | Review SAMS-1 Reports | BNCOC | QT | 3 |
| Skill Level 4 | | | | | |
| 9. Maintenance Management II | 093-27E-4083 | Direct Support Maintenance on the Dragon Weapon System and Associated Test Equipment | UNIT | AN | 4 |
| | 093-27E-4084 | Direct Support Maintenance on the TOW Weapon System and Associated Equipment | UNIT | AN | 4 |
| | 093-27E-4086 | Direct Support Maintenance on the TOW Field Test Set (TFTS) and Associated Test Equipment | UNIT | AN | 4 |
| | 093-SFC-4101 | Manage a Shop Security Program | ANCOC | MO | 4 |
| | 093-SFC-4103 | Prepare input to Materiel Condition Status Report | ANCOC | QT | 4 |
| | 093-SFC-4104 | Manage SAMS-1 System Administration | ANCOC | SA | 4 |
| | 093-SFC-4105 | Manage Hand Receipt Functions | ANCOC | SA | 4 |
| | 093-SFC-4106 | Manage Maintenance Shop Operations | ANCOC | QT | 4 |
| | 093-SFC-4107 | Manage Logistics Support | ANCOC | QT | 4 |
| | 093-SFC-4108 | Manage Shop Personnel Actions | ANCOC | SA | 4 |
| | 093-SFC-4109 | Review SAMS-2 Reports | ANCOC | SA | 4 |
| | 093-SFC-4110 | Conduct Site Reconnaissance | UNIT | AN | 4 |
| | 093-SFC-4111 | Coordinate Activities between Production Control and Supply Support Activity | ANCOC | MO | 4 |
| | 093-SFC-4112 | Manage Shop Supply Operations | ANCOC | QT | 4 |
| | 093-SFC-4113 | Provide Liaison to Supported Units | ANCOC | AN | 4 |
| 093-SFC-4114 | Manage Operational Readiness Float (ORF) Transactions | ANCOC | AN | 4 | |

CHAPTER 3**MOS/Skill Level Tasks**

Skill Level 1

Subject Area 1: TOW and TOW 2 Missile Maintenance

Repair the (ITAS) Fire Control Subsystem (FCS)**093-27E-1656**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, TM's 9-1425-923-34, 9-1425-923-24P, TOW Improved Target Acquisition System, Fire Control Subsystem (FCS), Source Maintenance, and Recoverability (SMR) code, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit.

Standards: Repair procedures on the TOW Improved Target Acquisition System, Fire Control Subsystem (FCS) were performed in accordance with the technical manuals and Built-In-Test (BIT). Followed all warnings, cautions and safety precautions outlined in the maintenance procedures. Completed all maintenance forms according to DA Pam 738-750.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | ___ | ___ |
| 2. Disassembled the Fire Control Subsystem (FCS). | ___ | ___ |
| 3. Removed the faulty component. | ___ | ___ |
| 4. Installed the replacement component and reassembled the FCS. | ___ | ___ |
| 5. Verified that the FCS was operational. | ___ | ___ |
| 6. Completed maintenance forms. | ___ | ___ |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References**Required**

DA FORM 2407
 DA PAM 738-750
 TM 9-1425-923-24P
 TM 9-1425-923-34

Related

**Perform the TOW2 Launcher System Checkout Procedure
093-27E-1400**

Conditions: Perform this task given the following: DA Form 2407, TOW 2 Weapon System, M220A2, MGS, AN/TSQ-95, MGS test set, AN/TSM-152, Electrical Circuit test set, AN/TSM-158, digital multimeter, DM-501A, oscilloscope, SC-502, two jumper wires, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-243, TM 9-1425-450-12, TM 9-1425-450-34-1. At least one additional soldier is required to help move equipment for safety reasons.

Standards: Checkout procedures on the M220A2 TOW 2 Weapon System were performed and safety precautions observed according to TM 9-1425-450-12 and TM 9-1425-450-34-1. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

GO NO GO

Before running the self-test procedure steps, (003-008) the MGS must be connected to either the TOW 2 Launcher system or the MGS Test Set. Failure to observe could result in serious electrical damage.

- | | | |
|---|-------|-------|
| 1. Assembled the M220A2 TOW 2 Weapon System. | _____ | _____ |
| 2. Performed TOW 2 Weapon System checkout procedures. | _____ | _____ |
| 3. Disassembled the M220A2 TOW 2 Weapon System. | _____ | _____ |
| 4. Completed maintenance forms. | _____ | _____ |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-450-12
- TM 9-1425-450-34-1
- TM 9-243

Related

**Repair TOW2 Missile Guidance Set
093-27E-1401**

Conditions: Perform this task given the following: DA Form 2407, TOW 2 Weapon System, M220A2, MGS test set, AN/TSM-152, Electrical Circuit test set, AN/TSM-158, digital multimeter, DM-501A, oscilloscope, SC-502, two jumper wires, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-243, TM 9-1425-450-12, TM 9-1425-450-34-1, TM 9-1425-450-24P, TM 9-4935-455-14. At least one additional soldier is required to help move equipment and for safety reasons.

Standards: Troubleshooting and repair procedures on the AN/TSQ-136 MGS were performed and safety precautions observed according to the applicable equipment technical manuals. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Assembled the M220A2 TOW 2 weapon system. | — | — |
| 2. Set up the test equipment for testing. | — | — |
| 3. Isolated malfunction on the AN/TSQ-136 MGS. | — | — |
| 4. Obtained the replacement component from the supply source. | — | — |
| 5. Disassembled the AN/TSQ-136 MGS. | — | — |
| 6. Removed the faulty component. | — | — |
| 7. Installed the replacement component. | — | — |
| 8. Reassembled the AN/TSQ-136 MGS. | — | — |
| 9. Verified that the AN/TSQ-136 MGS was operational. | — | — |
| 10. Completed maintenance forms. | — | — |

The MGS troubleshooting procedures are contained in the TOW 2 Launcher System check out procedures.

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

| Required | Related |
|--------------------|----------------|
| DA FORM 2407 | |
| DA PAM 738-750 | |
| TM 9-1425-450-12 | |
| TM 9-1425-450-24P | |
| TM 9-1425-450-34-1 | |
| TM 9-243 | |
| TM 9-4935-455-14 | |

Troubleshoot the TOW2 Traversing Unit
093-27E-1405

Conditions: Perform this task given the following: DA Form 2407, TOW 2 weapon system, M220A2, TOW 2 Traversing Unit, M-53, Electrical Cable test set, AN/TSM-149, test adapters TA-20, TA-20-1, TA-20/15, and TA-20/17 with clip lead, digital multimeter, DM-501A, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-243, TM 9-1425-450-34-1, TM 9-4935-455-14 and TM 9-1425-450-34-2.

Standards: Troubleshooting procedures on the M-83 TOW 2 traversing unit were performed and safety precautions observed according to TM 9-1425-450-34-1. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

GO **NO GO**

- | | | |
|---|---|---|
| 1. Prepared test equipment for testing. | — | — |
| 2. Tested TOW 2 Traversing Unit and isolated the malfunction. | — | — |
| 3. Completed maintenance forms. | — | — |

Use TM 9-1425-450-34-2 when checking Traversing Unit schematics.

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-450-34-1
- TM 9-1425-450-34-2
- TM 9-243
- TM 9-4935-455-14

Related

Repair the TOW2 Traversing Unit
093-27E-1407

Conditions: Perform this task given the following: DA Form 2407, TOW 2 Traversing Unit, M-83, Electrical Cable test set, AN/TSM-149, test adapters TA-20, TA-20/1, TA-20/15, and TA-20/17 with clip lead, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-243, TM 9-1425-450-34-1, TM 9-1425-450-24P. At least one additional soldier is required to help move equipment and for safety reasons.

Standards: The M-83 TOW 2 traversing unit was repaired and safety procedures observed according to TM 9-1425-450-34-1. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled TOW 2 Traversing Unit. | — | — |
| 3. Removed the faulty component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled TOW 2 Traversing Unit. | — | — |
| 6. Verified that the TOW 2 Traversing Unit was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

DA FORM 2407
DA PAM 738-750
TM 9-1425-450-24P
TM 9-1425-450-34-1
TM 9-243

Related

**Troubleshoot the Missile Guidance Test Set
093-27E-1408**

Conditions: Perform this task given the following: DA Form 2407, MGS test set, AN/TSM-152, digital multimeter, DM-501A, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-243, TM 9-4935-451-24P, TM 9-4935-455-14.

Standards: Troubleshooting and repair procedures on the AN/TSM-152 MGS test set were performed and safety precautions observed according to TM 9-4935-455-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Prepared the test equipment for testing. | — | — |
| 2. Tested the AN/TSM-152 MGS test set and isolated the malfunction. | — | — |
| 3. Disassembled the AN/TSM-152 test set. | — | — |
| 4. Removed the defective component if necessary. | — | — |
| 5. Installed the replacement component. | — | — |
| 6. Reassembled the AN/TSM-152 MGS test set. | — | — |
| 7. Verified that the AN/TSM-152 MGS test set was operational. | — | — |
| 8. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-451-24P
- TM 9-4935-455-14

Related

**Perform TOW2 Launcher System Verification Procedure
093-27E-1422**

Conditions: Perform this task given the following: DA Form 2407, TOW 2 Weapon System, M220A2, MGS test set, AN/TSM-152, Electrical circuit test set, AN/TSM-158, oscilloscope, SC-502, digital multimeter, DM-501A, two jumper wires, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-243, TM 9-1425-450-12, TM 9-1425-450-34-1, TM 9-4935-455-14, TM 9-5855-450-24. At least one additional soldier is required to help move equipment and for safety reasons.

Standards: Verification procedures on the M220A2 TOW 2 Weapon System were performed and safety precautions observed according to TM 9-1425-450-12 and TM 9-1425-450-34-1. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Assembled the M220A2 TOW 2 Weapon System. | — | — |
| 2. Performed the checkout procedures on the M220A2 TOW 2 Weapon System. | — | — |
| 3. Prepared the test equipment for testing. | — | — |
| 4. Performed verification procedures on the M220A2 TOW 2 Weapon System. | — | — |
| 5. Disassembled the TOW 2 Weapon System. | — | — |
| 6. Completed maintenance forms. | — | — |

Always change verification labels after procedures are completed.

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

| Required | Related |
|--------------------|----------------|
| DA FORM 2407 | |
| DA PAM 738-750 | |
| TM 9-1425-450-12 | |
| TM 9-1425-450-34-1 | |
| TM 9-243 | |
| TM 9-4935-455-14 | |
| TM 9-5855-450-24 | |

**Perform TOW2 Traversing Unit Final Tests
093-27E-1431**

Conditions: Perform this task given the following: DA Form 2407, TOW 2 Traversing Unit, M-83, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TA/20, autocollimator, TM's 9-243 and 9-1425-450-34-1, DA-Pam 738-750 and at least one additional soldier is required to help move equipment for safety reasons.

Standards: Test procedures on the M-83 TOW 2 Traversing Unit were performed and safety precautions observed according to TM 9-1425-450-34-1. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Assembled Traversing Unit to TA 20/11 Traversing Unit Holding Fixture. | — | — |
| 2. Performed the azimuth and elevation test. | — | — |
| 3. Performed the chain compliance test. | — | — |
| 4. Performed the bridge clamp test. | — | — |
| 5. Performed the boresight alignment test. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-450-34-1
- TM 9-243

Related

**Perform TOW2 Weapon System Verification Procedures
093-27E-1432**

Conditions: Perform this task given the following: DA Form 2407, TOW 2 Weapon System, M220A2, MGS test set, AN/TSM-152, Electrical Circuit test set, AN/TSM-158, oscilloscope, SC-502, digital multimeter, DM-501A, two jumper wires, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-243, TM 9-1425-450-12, TM 9-1425-450-34-1, TM 9-4935-455-14, TM 9-5855-450-24. At least one additional soldier is required to help move equipment and for safety reasons.

Standards: Verification procedures on the M220A2 TOW 2 Weapon System were performed and safety precautions observed according to TM 9-1425-450-12 and TM 9-1425-450-34-1. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Assembled the M220A2 TOW 2 Weapon System. | — | — |
| 2. Performed the checkout procedures on the M220A2 TOW 2 Weapon System. | — | — |
| 3. Set up the test equipment for testing. | — | — |
| 4. Performed verification procedures on the M220A2 TOW 2 Weapon System. | — | — |
| 5. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-450-12
- TM 9-1425-450-34-1
- TM 9-243
- TM 9-4935-455-14
- TM 9-5855-450-24

Related

- TM 9-5855-450-24P

**Repair the Missile Guidance Test Set
093-27E-1451**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, MGS test set, AN/TSM-152, digital multimeter, TM 9-243, TM 9-4935-451-24P, TM 9-4935-455-14.

Standards: The AN/TSM-152 MGS test set was repaired according to TM 9-4935-455-14. Safety precautions were observed according to the applicable equipment technical manuals listed in the Condition. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the AN/TSM-152. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the AN/TSM-152. | — | — |
| 6. Verified that the AN/TSM-152 MGS test set was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-243
- TM 9-4935-451-24P
- TM 9-4935-455-14

Related

**Troubleshoot the Power Conditioner
093-27E-1471**

Conditions: Perform this task given the following: Power conditioner, Battery Power Conditioner and Vehicle power conditioner, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, Improved Contact Support Set (ICSS), power conditioner, AN/TAM3, digital multimeter, oscilloscope, DA Pam 738-750, TM's 9-5855-883-24, 4935-451-14, 9-5855-884-24, 9-1425-450-34-1 and associated parts manuals.

Standards: Troubleshooting procedures on the power conditioners were performed and safety precautions observed according to the applicable TM's listed in the condition. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Prepared the test equipment for testing of the power conditioner. | — | — |
| 2. Tested the power conditioner and isolated the malfunction. | — | — |
| 3. Disassembled the power conditioner. | — | — |
| 4. Removed the defective component if necessary. | — | — |
| 5. Installed the replacement component. | — | — |
| 6. Reassembled the power conditioner. | — | — |
| 7. Verified that the power conditioner was operational. | — | — |
| 8. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly

References

Required

- DA PAM 738-750
- TM 9-1425-450-24P
- TM 9-1425-450-34-1
- TM 9-4935-451-14
- TM 9-4935-451-24P
- TM 9-5855-450-24P
- TM 9-5855-883-24
- TM 9-5855-884-24

Related

- TM 9-243

**Repair the TOW Power Conditioners
093-27E-1473**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, vehicle power conditioner, vehicle power conditioner test adapter, battery power conditioner, night vision sight test set, AN/TAM-3B, TM 9-243, TM 9-1425-450-34-1, TM 9-5855-450-24, TM 9-5855-450-24P, TM 9-5855-883-24, TM 9-5855-884-24.

Standards: The vehicle power conditioner and the battery power conditioner were repaired and safety precautions observed according to the applicable equipment technical manual listed in the Condition. Tools were used according TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the power conditioner, vehicle power conditioner or the battery power conditioner. | — | — |
| 3. Removed the defective components. | — | — |
| 4. Installed the replacement components. | — | — |
| 5. Reassembled the selected, power conditioner. | — | — |
| 6. Verified that the selected, power conditioner was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly

References

Required

- DA PAM 738-750
- TM 9-1425-450-34-1
- TM 9-243
- TM 9-5855-450-24
- TM 9-5855-450-24P
- TM 9-5855-883-24
- TM 9-5855-884-24

Related

**Repair the TOW2 Optical Sight
093-27E-1475**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TOW 2 Weapon System, M220A2, TM's 9-243, 9-1425-450-24P, 9-1425-450-34-1 and 9-1425-451-34.

Standards: The TOW2 optical sight was repaired according to TM 9-1425-450-34-1. All safety precautions were observed according to the applicable equipment technical manuals listed in the Condition. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750. Performed troubleshooting in accordance with TM 9-1425-451-34.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the TOW 2 optical sight. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the TOW 2 optical sight. | — | — |
| 6. Verified that the TOW 2 optical sight was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Troubleshooting procedures for the Optical Sight are performed using the TOW Field Test Set (TFTS); these procedures are located in TM 9-1425-451-34.

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly

References

Required

- DA PAM 738-750
- TM 9-1425-450-24P
- TM 9-1425-450-34-1
- TM 9-1425-451-34

Related

- TM 9-243

**Perform TOW2 Subsystem 180-Day Verification Test Procedures
093-27E-1608**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental set, M2/M3 BFV with the TOW 2 Subsystem Test Set, TM 9-1425-453-34-1, and TM 9-243. A minimum of two soldiers is required to perform this task.

Standards: The 180-Day Verification test procedures on the T2SS were performed and safety precautions observed according to the applicable equipment technical manuals. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Adjusted the turret controls of the BFVS according to the applicable technical manual. | — | — |
| 2. Connected the T2SS-TS to the T2SS in the BFV. | — | — |
| 3. Completed the electrical and mechanical tests according to 180-day test procedures. | — | — |
| 4. Removed the T2SS-TS from the BFV and returned the T2SS to normal operating condition. | — | — |
| 5. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-453-34-1
- TM 9-243

Related

- TM 9-2350-252-10-1
- TM 9-2350-252-10-2

**Perform Improved Target Acquisition System (ITAS) Operational Test
093-27E-1651**

Conditions: Perform this task given the following: TOW (ITAS) M41 is set, dismounted or mounted configuration, ITAS M41, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM's 9-1425-923-12, 9-1425-923-34 and 9-1425-923-24P, DA Form 2407 and DA Pam 738-750.

Standards: All operation and checkout procedures on the ITAS M41 were performed in accordance with the technical manuals. Followed all warnings and cautions associated with the safety precautions outlined in the TM. Completed all maintenance forms according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Performed TOW ITAS set up procedures. | — | — |
| 2. Performed TOW ITAS power up procedures in the proper sequence. | — | — |
| 3. Performed system checkout procedures. | — | — |
| 4. Performed operator checks. | — | — |
| 5. Performed TOW ITAS power down procedures in proper sequence. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-923-12
- TM 9-1425-923-24P
- TM 9-1425-923-34

Related

**Repair Improved Target Acquisition System (ITAS) /Traversing Unit (TU)
093-27E-1652**

Conditions: Perform this task given the following: ITAS Traversing Unit, test adapters TA-20, TA-20/1, TA-20/15, and TA-20/17, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM's 9-1425-923-34, 9-1425-923-24P and 9-1425-923-12, DA Form 2407, DA Pam 738-750.

Standards: The ITAS Traversing Unit was repaired and safety procedures observed according to TM 9-1425-923-34. All maintenance forms were completed according to DA Pam 738-750 Maintenance Management Update.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the ITAS Traversing Unit. | — | — |
| 3. Removed the faulty component. | — | — |
| 4. Reassembled the ITAS Traversing Unit. | — | — |
| 5. Verified that the ITAS Traversing Unit was operational. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-923-12
- TM 9-1425-923-24P
- TM 9-1425-923-34

Related

**Troubleshoot the ITAS Fire Control Subsystem (FCS)
093-27E-1655**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TOW Improved Target Acquisition System Fire Control Subsystem (FCS), battery power source, catastrophic power-up failure isolation chart, maintenance mode (MAINT) troubleshooting procedures, TM's 9-1425-923-34 and 9-1425-923-12.

Standards: All troubleshooting procedures on the TOW Improved Target Acquisition System Fire Control Subsystem were performed in accordance with the technical manuals and Built-In-Test (BIT). Followed all warnings, cautions and safety precautions outlined in the maintenance procedures. Completed all maintenance according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| Verify the Battery Power Source (BPS) is providing the correct power before proceeding to system troubleshooting. | | |
| 1. Selected Improved Target Acquisition System Power-up Built-in test (PBIT). | — | — |
| 2. Selected MENU on Traversing Unit (TU) left hand grip to pull up ITAS main menu in Target Acquisition System (TAS) display. | — | — |
| 3. Selected BIT from ITAS main menu. | — | — |
| 4. Selected MAINT from the ITAS maint MENU. | — | — |
| 5. Selected LRU from ITAS MAINT menu. | — | — |
| 6. Performed Fault Isolation using error codes, down to faulty LRU or SRU. | — | — |
| 7. Replaced faulty component with known good component. | — | — |
| 8. Verified TOW ITAS was operational. | — | — |

BIT and MAINT MODE cannot be used if the TOW ITAS does not power up, the display fails or the SYMBOLOGY FAILS. In any case, go to the Catastrophic Power-Up Fault Isolation in TM 9-1425-923-34.

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-923-12
- TM 9-1425-923-34

Related

- TM 9-1425-923-24P

Subject Area 2: Dragon Missile Maintenance

Repair the Day Tracker

093-27E-1301

Conditions: Given the following: DA Form 2407, Infrared Tracker (day tracker), SU-36/P, purging kit, test adapter, TA/418, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TMs 9-243, 9-1425-480-24P, 9-1425-484-24 and 9-4935-484-14.

Standards: The SU-36/P Infrared Tracker was repaired and safety precautions observed according to the applicable equipment technical manuals listed in the Condition. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the SU-36/P infrared tracker. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the SU-36/P infrared tracker. | — | — |
| 6. Verified that the SU-36/P infrared tracker was operational. | — | — |
| 7. Purged the SU-36/P infrared tracker. | — | — |
| 8. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-480-24P
- TM 9-1425-484-24
- TM 9-243
- TM 9-4935-484-14

Related

- TM 9-1425-481-34

**Perform the Day Tracker Operational Checks
093-27E-1302**

Conditions: Perform this task given the following: DA Form 2407, Infrared Tracker (day tracker) SU-36/P, Infrared TTS, AN/TSM-114, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-243, and TM 9-4935-484-14.

Standards: Operational checks on the SU-36/P Infrared Tracker were performed and safety precautions observed according to TM 9-4935-484-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Performed Preparation For Use procedures on AN/TSM-114 (TTS) | — | — |
| 2. Performed a self-test on the AN/TSM-114 (TTS). | — | — |
| 3. Prepared SU-36/P for test. | — | — |
| 4. Performed the SU-36/P operational test procedures. | — | — |
| 5. Disassembled the AN/TSM-114 (TTS). | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

- Required**
 DA FORM 2407
 DA PAM 738-750
 TM 9-243
 TM 9-4935-484-14

Related

**Perform the Tracker Test Set Group (TTSG) Self Test
093-27E-1310**

Conditions: Given the following: DA Form 2407, Guided Missile Infrared Test Set, AN/TSM-II4 TTS, Guided Missile Test Set Group Tracker Test Set Supplemental Unit, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-4935-484-14.

Standards: A self-test on the AN/TSM-114 infrared TTS and the TTSSU was performed and safety precautions observed according to TM 9-4935-484-14. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| Pre-Conditions must be completed before the actual individual task performance. | | |
| 1. Prepared Tracker Test Set Supplemental Unit (TTSSU) for use. | — | — |
| 2. Performed TTSSU self test. | — | — |
| 3. Disassembled the AN/TSM-114 Infrared Tracker Test Set and the TTSSU. | — | — |
| 4. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-4935-484-14

Related

**Perform Day Tracker Reticle Boresight Adjustment
093-27E-1316**

Conditions: Given the following: DA Form 2407, Guided Missile Infrared Test Set, AN/TSM-114 TTS, Guided Missile Test Set Group Tracker Test Set Supplemental Unit, In SU-36/P infrared tracker, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TMs 9-4935-484-14 and 9-1425-484-24.

Standards: Boresight adjustments on the reticle of the SU-36/P infrared tracker were performed and safety precautions observed according to TM 9-4935-484-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| Pre-Conditions must be completed before the actual individual task performance. | | |
| 1. Prepared Tracker Test Set Supplemental Unit (TTSSU) for use. | — | — |
| 2. Performed a self-test on the TTSSU. | — | — |
| 3. Performed Day Tracker (SU-36/P) operational tests. | — | — |
| 4. Performed Day Tracker Reticle Boresight adjustment. | — | — |
| 5. Disassembled the TTSSU. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-484-24
- TM 9-4935-484-14

Related

- TM 9-243

**Perform Night Tracker Operational Test
093-27E-1320**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, night vision sight Infrared AN/TAS-5, TTS and TTSSU, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM 9-243 and TM 9-1425-484-10.

Standards: Operational checks on the Night Tracker AN/TAS 5 were performed and safety precautions observed according to TM 9-1425-484-10. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Prepared the Tracker Test Set Supplemental Unit (TTSSU) for use. | — | — |
| 2. Performed a self-test on the (TTSSU). | — | — |
| 3. Prepared Night Tracker (AN/TAS-5) for testing. | — | — |
| 4. Performed (AN/TAS-5) Operational Test. | — | — |
| 5. Performed the AN/TAS-5 boresight test. | — | — |
| 6. Disassembled (TTSSU). | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-1425-484-10
- TM 9-243

Related

- TM 9-1425-429-12
- TM 9-1425-480-24P
- TM 9-1425-484-24
- TM 9-4935-484-14

**Perform the Day Tracker Operational Test (TTSSU)
093-27E-1324**

Conditions: Perform this task given the following: DA Form 2407, Guided Missile Infrared Tracker Test Set, AN/TSM-114 (TTS), Guided Missile Infrared Tracker Test Set Group (TTSSU), Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, and TM 9-4935-484-14.

Standards: Operational test on the Day Tracker (TTSSU) were performed and safety precautions observed according to TM 9-4935-484-14; equipment was set up according to TTSSU preparation for use; tools were used according to TM 9-243; maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Prepared the Tracker Test Set Supplemental Unit (TTSSU) for use. | — | — |
| 2. Performed a Self-Test on the (TTSSU). | — | — |
| 3. Prepared SU-36/P Day Tracker for testing. | — | — |
| 4. Performed day Tracker Operational Test (TTSSU). | — | — |
| 5. Disassembled the SU-36/P from (TTSSU). | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-4935-484-14

Related

- TM 9-1425-484-24
- TM 9-4935-480-24P

Repair Tracker Test Set Group
093-27E-1330

Conditions: Perform this task given the following: DA Form 2407, Tracker Test Set Group OQ-278/TSM-114, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM's 9-243, 9-1425-481-34, 9-1425-484-24 and 9-4935-480-24P.

Standards: The Tracker Test Set Group was repaired and safety precautions observed according to TM 9-1425-481-34 and TM 9-1425-484-24. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

Perform Operational procedures and checks before any major repairs.

GO **NO GO**

- | | | |
|---|-------|-------|
| 1. Obtained the replacement component from the supply source. | _____ | _____ |
| 2. Disassembled the Tracker Test Set Group. | _____ | _____ |
| 3. Removed the defective component. | _____ | _____ |
| 4. Installed the replacement component. | _____ | _____ |
| 5. Reassembled the Tracker Test Set Group. | _____ | _____ |
| 6. Verified that the Tracker Test Set Group was operational. | _____ | _____ |
| 7. Completed maintenance forms. | _____ | _____ |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

DA FORM 2407
DA PAM 738-750
TM 9-1425-481-34
TM 9-1425-484-24
TM 9-243
TM 9-4935-480-24P

Related

**Repair Night Tracker
093-27E-1340**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, night vision sight Infrared AN/TAS-5, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit; TM's 9-4935-484-14, 9-243, 9-1425-481-34, 9-1425-484-24 and 9-4935-480-24P.

Standards: Repairs on the Night Tracker AN/TAS 5 were performed and safety precautions observed according to TM 9-1425-484-24; tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Obtained the replacement component from supply source. | — | — |
| 2. Disassembled the AN/TAS-5 Night Vision Sight Tracker. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the AN/TAS-5 Night Vision Sight Tracker. | — | — |
| 6. Verified that the AN/TAS-5 Night Vision Sight Tracker was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-480-24P
- TM 9-1425-481-34
- TM 9-1425-484-24
- TM 9-4935-484-14

Related

Subject Area 3: Night Sight Maintenance

**Troubleshoot the AN/TAM-3B Series Night Vision Sight Test Set
093-27E-1426**

Conditions: Perform this task given the following: DA Form 2407, Night vision Sight test set, AN/TAM-3A, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-243, TM 9-5855-255-14, TM 9-5855-255-24P.

Standards: Troubleshooting and repair procedures on the AN/TAM-3A Night Vision Sight test set were performed and safety precautions observed according to TM 9-5855-255-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Performed setup procedures of the AN/TAM-3B Night Vision Sight test set. | — | — |
| 2. Tested the AN/TAM-3B Night Vision Sight test set and isolated the malfunction. | — | — |
| 3. Disassembled the AN/TAM-3B Night Vision Sight test set. | — | — |
| 4. Removed the defective component if necessary. | — | — |
| 5. Installed the replacement component. | — | — |
| 6. Reassembled the AN/TAM-3B Night Vision Sight test set. | — | — |
| 7. Verified that the AN/TAM-3B Night Vision Sight test set was operational. | — | — |
| 8. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-5855-255-14
- TM 9-5855-255-24P

Related

**Repair the AN/TAM-3 Series Night Vision Sight Test Set
093-27E-1459**

Conditions: Perform this task given the following: DA Form 2407, night vision sight test set, AN/TAM-3A, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM 9-243, TM 9-5855-255-14, TM 9-5855-255-24P.

Standards: Repair procedures on the AN/TAM-3A night vision sight test set were performed and safety precautions observed according to TM 9-5855-255-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Removed the defective component. | — | — |
| 3. Installed the replacement component. | — | — |
| 4. Reassembled the AN/TAM-3 night vision sight test set. | — | — |
| 5. Verified that the AN/TAM-3 night vision sight test set was operational. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly

References

- Required**
 DA FORM 2407
 DA PAM 738-750
 TM 9-243
 TM 9-5855-255-14
 TM 9-5855-255-24P

Related

Repair the AN/TAS-4 Series Night Sights
093-27E-1477

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, night vision sight, AN/TAS-4A, night vision sight test set, AN/TAM-3B, amplifier test set, AN/TAM-5, TM 9-4935-454-14, TM 9-5855-450-24, TM 9-5855-450-24P and TM 9-5855-882-24.

Standards: Repair procedures on the AN/TAS-4 series night vision sight were performed and safety precautions observed according to TM 9-5855-450-24. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the AN/TAS-4 series night vision sight. | — | — |
| 3. Removed the faulty component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the AN/TAS-4 series night vision sight. | — | — |
| 6. Verified that the AN/TAS-4 series night vision sight was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-4935-454-14
- TM 9-5855-450-24
- TM 9-5855-450-24P
- TM 9-5855-882-24

Related

- TM 9-243

**Troubleshoot the AN/TAS-4 Series Night Vision Sight Basic Sight Assembly
093-27E-1479**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, night vision sight, AN/TAS-4 series, AN/TAM3B night vision sight test set, AN/TAM-5 amplifier test set, TM's 9-4935-455-14, 9-5855-450-24, 9-5855-450-24P and 9-5855-882-24.

Standards: Troubleshooting procedures on the AN/TAS-4 series night vision sight were performed and safety precautions observed according to TM's 9-5855-450-24 and 9-5855-882-24. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Prepared the AN/TAM-3 series night vision sight test set for testing. | — | — |
| 2. Installed the AN/TAS-4 series night vision sight on test equipment. | — | — |
| 3. Tested the AN/TAS-4 series night vision sight and isolated the malfunction. | — | — |
| 4. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-4935-454-14
- TM 9-5855-450-24
- TM 9-5855-450-24P
- TM 9-5855-882-24

Related

Adjust/Align the AN/TAS-4 Series Night Vision Sights
093-27E-1481

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, AN/TAS-4 series night vision sight, AN/TAM-3 night vision sight test set, AN/TAM-5 Amplifier test set, purging kit, TM's 9-243, 9-5855-450-24 and 9-5855-882-24.

Standards: Adjustment and alignment procedures on the AN/TAS-4 series night vision sights were performed and all safety precautions observed according to TM's 9-5855-450-24 and 9-5855-882-24. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Prepared the AN/TAM-3 series night vision sight test set for testing. | — | — |
| 2. Disassembled the AN/TAS-4 series night vision sight. | — | — |
| 3. Performed adjustment and alignment procedures. | — | — |
| 4. Reassembled the AN/TAS-4 series night vision sight. | — | — |
| 5. Verified that the AN/TAS-4 series night vision sight was operational. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-5855-450-24
- TM 9-5855-882-24

Related

- TM 9-5855-450-24P

**Perform the AN/TAS-4 Series 180 Day Verification
093-27E-1483**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, AN/TAS-4 night vision sight, AN/TAM-3 series, night vision sight test set, AN/TAM-5 amplifier test set, TM 9-4935-455-14, TM 9-5855-450-24, TM 9-5855-882-24, and TM 9-5855-450-24P.

Standards: Verification procedures on the AN/TAS-4 series night vision sight were performed and safety precautions observed according to TM 9-5855-450-24 and TM 9-5855-882-24. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Prepared the AN/TAM-3 series night vision sight test set for testing. | — | — |
| 2. Performed the verification procedures on the AN/TAS-4 series night vision sight. | — | — |
| 3. Performed alignment / adjustments. | — | — |
| 4. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-4935-454-14
- TM 9-5855-450-24
- TM 9-5855-450-24P
- TM 9-5855-882-24

Related

- TM 9-243

**Troubleshoot the Battery Charger PP7382/TAS
093-27E-1520**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, AN/TAM-3 series night vision sight test set, battery charger, PP-7382/TAS, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM's 9-243, 9-5855-254-14 and 9-5855-254-24P.

Standards: Troubleshooting procedures on the PP-7382/TAS battery charger were performed and safety precautions observed according to TM 9-5855-254-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Inspected the PP-7382/TAS battery charger. | — | — |
| 2. Tested the PP-7382/TAS battery charger and isolated the malfunction. | — | — |
| 3. Performed adjustment / alignment procedures. | — | — |
| 4. Reassembled the PP-7382/TAS battery charger. | — | — |
| 5. Verified that the PP-7382/TAS battery charger was operational. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-5855-254-14
- TM 9-5855-254-24P

Related

**Troubleshoot the Boresight Collimator
093-27E-1525**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, SU-93A/TAS or SU-93/TAS boresight collimator, Infrared AN/TAS (series) night vision sight, AN/TAM-3 test set, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM's 9-243, 9-5855-247-24, 9-5855-882-24P, 9-5855-885-24 and 9-5855-882-24.

Standards: Troubleshooting / repair procedures on the SU-93/ 93A TAS boresight collimator were performed and safety precautions observed according to TM 9-5855-885-24. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Tested the SU-93/TAS boresight collimator and isolated the malfunction. | — | — |
| 2. Obtained the replacement component from the supply source. | — | — |
| 3. Disassembled the SU-93/TAS boresight collimator. | — | — |
| 4. Removed and installed the necessary components. | — | — |
| 5. Reassembled the SU-93/TAS boresight collimator. | — | — |
| 6. Verified that the SU-93/TAS boresight collimator was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-5855-247-24
- TM 9-5855-882-24
- TM 9-5855-882-24P
- TM 9-5855-885-24

Related

**Repair the AN/TAS-6 Night Sight
093-27E-1532**

Conditions: Perform this task given the following: DA Form 2407, DA PAM 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, AN/TAS-6 Night vision sight, AN/TAM-3 test set, TM 9-243, TM 9-5855-247-24, and TM 9-5855-247-24P-1.

Standards: Repair procedures on the image intensifier assembly of the AN/TAS-6 night vision sight were performed and safety precautions observed according to TM 9-5855-247-24. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the AN/TAS-6 night vision sight. | — | — |
| 3. Removed and installed the necessary components. | — | — |
| 4. Reassembled the AN/TAS-6 night vision sight. | — | — |
| 5. Verified that the AN/TAS-6 night vision sight was operational. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-5855-247-24
- TM 9-5855-247-24P-1

Related

**Repair the Battery Charger PP7382/TAS
093-27E-1534**

Conditions: Perform this task given the following: AN/TAM-6 NSMF, DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, night vision sight test set, AN/TAM-3, battery charger, PP-7382/TAS, TM 9-243 and TM 9-5855-254-14.

Standards: Repair procedures on the PP-7382/TAS battery charger were performed and safety precautions observed according to TM 9-5855-254-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the PP-7382/TAS battery charger. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the PP-7382/TAS battery charger. | — | — |
| 6. Verified that the PP-7382/TAS battery charger was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-5855-254-14

Related

- TM 9-5855-254-24P

**Repair the Boresight Collimator
093-27E-1536**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, boresight collimator, SU-93/TAS, SU-93A/TAS, TM 9-243, TM 9-5855-885-24, TM 9-5855-882-24P.

Standards: Repair procedures on the SU-93/TAS or the SU-93A/TAS boresight collimator were performed and safety precautions observed according to TM 9-5855-885-24. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the SU-93/TAS boresight collimator. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the SU-93/TAS boresight collimator. | — | — |
| 6. Verified that the SU-93/TAS boresight collimator was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-243
- TM 9-5855-882-24P
- TM 9-5855-885-24

Related

**Align the Boresight Collimator
093-27E-1538**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TS-3784/TAS boresight collimator test set or AN/PAM-2, SU-93/TAS, SU-93A/TAS boresight collimator, TM 9-5855-286-14, TM 9-5855-1286-14, TM 9-5855-585-24.

Standards: Alignment procedures on the SU-93/TAS, SU-93A/TAS boresight collimator were performed and safety precautions observed according to TM 9-5855-286-14 and 9-5855-1286-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Prepared the Boresight Collimator test set for testing. | — | — |
| 2. Performed SU-93/TAS, SU-93A/TAS boresight collimator alignment procedures. | — | — |
| 3. Performed SU-93/TAS, SU-93A/TAS boresight collimator purging procedures. | — | — |
| 4. Completed maintenance forms. | — | — |

This alignment procedure includes both Boresight Collimator Test sets, however only one is required to complete the individual task.

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-5855-1286-14
- TM 9-5855-286-14
- TM 9-5855-885-24

Related

**Align the Boresight Collimator Test Set
093-27E-1540**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, SU-93/TAS or SU-93A/TAS boresight collimator. Boresight collimator test sets, TS-3784/TAS or AN/TAM-2, TM 9-243, TM 9-5855-286-14 or TM 9-5855-1286-14.

Standards: Alignment procedures on the TS-3784/TAS or AN/TAM-2 boresight collimator test sets were performed and safety precautions observed according to TM's 9-5855-286-14 or 9-5855-1286-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Prepared the TS-3784/TAS or AN/PAM-2 Boresight Collimator test set for testing. | — | — |
| 2. Aligned the TS-378A/TAS or AN/PAM-2 Boresight Collimator test set. | — | — |
| 3. Completed maintenance forms. | — | — |

This alignment procedure includes both Boresight Collimator Test sets, however only one is required to complete the individual task.

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-5855-1286-14
- TM 9-5855-286-14

Related

**Perform the Night Tracker Boresight Alignment
093-27E-1542**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, AN/TAS-5 night tracker, AN/TSM-114 Tracker Test Set (TTS), OQ278/TSM-114 (TTSG), TM 9-243, TM 9-1425-484-24, TM 9-4935-484-14.

Standards: Boresight alignment procedures on the AN/TAS-5 night vision sight-tracker were performed and safety precautions observed according to TM 9-4935-484-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Assembled the OQ278/TSM-114 Infrared Tracker Test Set Supplemental Unit (TTSSU) for testing. | — | — |
| 2. Performed a self-test on the (TTSSU). | — | — |
| 3. Installed the AN/TAS-5 night vision sight-tracker on the (TTSSU). | — | — |
| 4. Performed the boresight alignment procedures on the AN/TAS-5 night vision sight-tracker. | — | — |
| 5. Performed an operational test on the AN/TAS-5 night vision sight-tracker. | — | — |
| 6. Removed the AN/TAS-5 night vision sight-tracker from the (TTSSU). | — | — |
| 7. Disassembled the (TTSSU). | — | — |
| 8. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-1425-484-24
- TM 9-243
- TM 9-4935-484-14

Related

**Perform the AN/TAS-6 Adjustment/Alignment Procedures
093-27E-1544**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, AN/TAS-6 night vision sight, AN/TAM-3 night vision sight test set, TM 9-243, TM 9-5855-247-24, and TM 9-5855-247-24P-1.

Standards: Alignment and adjustment procedures on the image intensifier of the AN/TAS-6 night vision sight were performed and safety precautions observed according to TM 9-5855-247-24. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Prepared the AN/TAM-3 night vision sight test set for testing. | — | — |
| 2. Installed the AN/TAS-6 night vision sight on the AN/TAM-3 night vision sight test set. | — | — |
| 3. Performed the alignment and adjustment procedures on the AN/TAS-6 night vision sight. | — | — |
| 4. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-243
- TM 9-5855-247-24
- TM 9-5855-247-24P-1

Related

Subject Area 4: ASI J9--Equipment. Op./Maint. Test Set, Guided Missile Sys. (TOW-Ground) Maint.

Repair the TOW2 Battery Charger
093-27E-1018

Conditions: Perform this task given the following: DA Form 2407, TOW battery charger, PP-4884-A/T, Land Combat Electronic Missile System Repairer with tool kit, DA Pam 738-750, TM 9-243, TM 9-1425-450-24P, TM 9-1425-450-34-1, TM 9-1425-450-34-2.

Standards: The PP-4884-A/T TOW battery charger was repaired and safety precautions observed according to TM 9-1425-450-34-1 and TM 9-1425-450-34-2. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the PP-4884-A/T TOW battery charger. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the PP-4884-A/T TOW battery charger. | — | — |
| 6. Verified that the PP-4884-A/T TOW battery charger was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-450-24P
- TM 9-1425-450-34-1
- TM 9-1425-450-34-2
- TM 9-243

Related

**Perform the TOW2 Battery Charger Test Procedures
093-27E-1104**

Conditions: Perform this task given the following: DA Form 2407, battery charger, PP-4884-A/T, Power Source Unit, W13 and W15 cables, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM, 9-1425-450-12, TM 9-243, TM 9-1425-451-34 or battery charger monitor unit and digital multimeter and TM 9-1425-450-34-1.

Standards: Test procedures on the PP-4884-A/T battery charger were performed and safety precautions observed according to TM 9-1425-451-34 or TM 9-1425-450-34-1 Para 2-10. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

The performance steps (1-4) below are used with the TOW Field Test Set (TFTS) outlined in TM 9-1425-451-34.

- | | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Connected the battery charger test cable interconnections. | _____ | _____ |
| 2. Performed TOW battery charger annual verification / troubleshooting procedures. | _____ | _____ |
| 3. Verified that the PP-4884-A/T battery charger was operational. | _____ | _____ |
| 4. Completed all required maintenance forms. | _____ | _____ |

The performance steps (5-7) below are used with the Improved Contact Support Set outlined in TM 9-1425-450-34-1.

- | | | |
|--|-------|-------|
| 5. Performed battery charger checkout procedures flow chart. | _____ | _____ |
| 6. Checked the battery assembly by performing Missile Guidance Set self test TM 9-1425-450-12. | _____ | _____ |
| 7. Verified that the PP-4884-A/T battery charger was operational. | _____ | _____ |
| 8. Completed all required maintenance forms. | _____ | _____ |

Both procedures are not required. Perform the procedure for the test equipment that is in use.

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If any performance measure is failed, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-450-12
- TM 9-1425-450-34-1
- TM 9-1425-451-34
- TM 9-243

Related

**Repair the Power Source Unit
093-27E-1112**

Conditions: Given the following: DA Form 2407, Power Source Unit, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Pam 738-750, TM's 9-243, 9-4935-452-14 and 9-4935-452-24P.

Standards: The Power Source Unit was repaired and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the Power Source Unit. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the Power Source Unit. | — | — |
| 6. Verified that the Power Source Unit was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If any performance measure is failed, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14
- TM 9-4935-452-24P

Related

Perform the Controller Counter Alignment

093-27E-1113

Conditions: Perform alignment procedures given the following: DA Form 2407, DA Pam 738-750, Test Set Guided Missile System AN/TSM-140A or B, with cables, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, digital multimeter, universal counter, DC-503A, one number 1, 2, 4, 7, and 8 test leads, TM 9-243 and TM 9-4935-452-14.

Standards: Alignment procedures on the counter of the test controller were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Prepared the controller counter and test equipment to initial settings, (refer to appropriate TM). | — | — |
| 2. Followed TM (YES/NO) flow chart procedures. | — | — |
| 3. Performed corrective actions in TM (YES/NO) flow chart. | — | — |
| 4. Completed alignment procedures. | — | — |
| 5. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If any performance measure is failed, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14

Related

**Perform the Controller Charger Assembly Alignment
093-27E-1114**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, digital multimeter, DM-501A, charger assembly, Land Combat Missile System Repairer with Guided Missile Maintenance Tool Kit, TFTS, AN/TSM-140A with cables, one number 3 test lead, TM 9-243 and TM 9-4935-452-14.

Standards: Alignment procedures on the charger assembly were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Connected the interconnecting cables to the AN/TSM-140A TFTS. | — | — |
| 2. Performed the alignment procedures on the charger assembly. | — | — |
| 3. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If any performance measure is failed, show what was done wrong and how to do it correctly.

References

- Required**
- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14

Related

**Perform the TOW Field Test Set Operational Procedures
093-27E-1115**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, TFTS, AN/TSM-140A / B, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM's 9-243 and 9-4935-452-14.

Standards: Operational procedures on the AN/TSM-140A TFTS were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

The operating procedures include all self-test associated with the TFTS (SEE TM).

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Located and identified major component controls. | _____ | _____ |
| 2. Positioned controls on major components to the initial settings. | _____ | _____ |
| 3. Performed operating procedures on the AN/TSM-140A TFTS. | _____ | _____ |
| 4. Completed maintenance forms. | _____ | _____ |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If any performance measure is failed, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14

Related

**Perform the Preventive Maintenance Checks and Services (PMCS) on the TFTS
093-27E-1116**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, DA Form 2404 (Equipment Inspection and Maintenance Worksheet), TFTS, AN/TSM-140A / B, power modulator, TM-503, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM 9-243 and TM 9-4935-452-14.

Standards: PMCS on the AN/TSM-140A TFTS were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Performed PMCS on the test controller. | — | — |
| 2. Performed PMCS on the target collimator unit. | — | — |
| 3. Performed PMCS on the boresight tube. | — | — |
| 4. Performed PMCS on the TFTS test adapter. | — | — |
| 5. Performed PMCS on the TM-503 power modulator. | — | — |
| 6. Performed PMCS on the PSM test adapter. | — | — |
| 7. Cleaned the AN/TSM-140A TFTS. | — | — |
| 8. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed, Score the soldier no-go if any performance measure is failed. If any performance measure is failed, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14

Related

**Align the Controller Circuit Cards
093-27E-1117**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, TFTS, AN/TSM-140A / B, digital multimeter, DM-501A, power modulator, TM-503, universal counter, DC-503A, function generator, FG-501A, oscilloscope, SC-502, one number 1, 2, 3, 4, 5, and 6 test leads, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM 9-243 and TM 9-4935-452-14.

Standards: Alignment procedures on the controller circuit cards were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Connected the interconnecting cables to the AN/TSM-140A TFTS. | — | — |
| 2. Performed power turn on procedures. | — | — |
| 3. Performed alignment procedures on card A-1. | — | — |
| 4. Performed alignment procedures on card A-2. | — | — |
| 5. Performed alignment procedures on card A-3. | — | — |
| 6. Performed alignment procedures on card A-6. | — | — |
| 7. Performed alignment procedures on card A-7. | — | — |
| 8. Performed alignment procedures on card A-9. | — | — |
| 9. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If any performance measure is failed, show what was done wrong and how to do it correctly.

References

- Required**
 DA FORM 2407
 DA PAM 738-750
 TM 9-243
 TM 9-4935-452-14

Related

**Align the Power Source Unit
093-27E-1118**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, TFTS, AN/TSM-140A / B, digital multimeter, universal counter, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM 9-243 and TM 9-4935-452-14.

Standards: Alignment procedures on the Power Source Unit were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| Ensured that the correct model is used when using the TOW 2 TFTS. | — | — |
| 1. Set Controller Counter and test equipment to initial settings, (refer to appropriate TM paragraph). | — | — |
| 2. Followed TM (YES/NO) flow chart procedures. | — | — |
| 3. Performed corrective action in TM (YES/NO) flow chart. | — | — |
| 4. Completed alignment procedures. | — | — |
| 5. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier a go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If any performance measure is failed, show what was done wrong and the way to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14

Related

- TM 9-4935-452-24P

**Align the Boresight Tube Assembly
093-27E-1119**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, boresight tube assembly, boresight equipment and case, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM 9-243 and TM 9-4935-452-14. At least one additional soldier is required to help move equipment for safety reasons.

Standards: Alignment procedures on the boresight tube assembly were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Set the boresight tube assembly up for testing. | _____ | _____ |
| 2. Performed the alignment procedures. | _____ | _____ |
| 3. Stowed alignment equipment in proper containers. | _____ | _____ |
| 4. Completed maintenance forms. | _____ | _____ |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14

Related

Repair the Controller
093-27E-1121

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, TFTS, AN/TSM-140A / B, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM's 9-243, 9-4935-452-14, 9-4935-452-24P. At least one additional soldier is required to help move equipment for safety reasons.

Standards: The test controller was repaired and all safety precautions were observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the test controller. | — | — |
| 3. Removed the faulty component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the test controller. | — | — |
| 6. Verified that the test controller was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14
- TM 9-4935-452-24P

Related

**Perform the Controller Digital Voltmeter Alignment
093-27E-1122**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, TM 9-243, TM 9-4935-452-14, TFTS, AN/TSM-140A / B, TFTS test adapter, power modulator, TM-503, universal counter, DC-503A, digital multimeter, DM-501A, one number 1, 2, and 6 test leads, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit.

Standards: Alignment procedures on the test controller digital voltmeter were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Prepared the digital voltmeter for alignment. | _____ | _____ |
| 2. Connected the test leads to the AN/TSM-140A / B, TFTS. | _____ | _____ |
| 3. Performed power turn on procedures. | _____ | _____ |
| 4. Performed the alignment procedures. | _____ | _____ |
| 5. Completed maintenance forms. | _____ | _____ |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14

Related

Troubleshoot the Controller
093-27E-1124

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Missile simulator, TFTS, AN/TSM-140A / B. TFTS test adapter, Power modulator, TM-503, Function generator, FG-501A, Digital multimeter, DM-501A, storage oscilloscope, SC-502, one number 1, 2, 3, and 8 test leads, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM 9-243 and TM 9-4935-452-14.

Standards: Troubleshooting procedures on the test controller were performed and safety precautions were observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| The troubleshooting procedure(s) are performed when one or more of the components listed below are suspected to be faulty. | | |
| 1. Performed power troubleshooting procedures. | _____ | _____ |
| 2. Performed troubleshooting procedures on the digital voltmeter. | _____ | _____ |
| 3. Performed troubleshooting procedures on the missile simulator. | _____ | _____ |
| 4. Performed troubleshooting procedures on the signal generation circuit. | _____ | _____ |
| 5. Performed troubleshooting procedures on the charger assembly. | _____ | _____ |
| 6. Performed troubleshooting procedures on the counter and timer. | _____ | _____ |
| 7. Completed maintenance forms. | _____ | _____ |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14

Related

**Troubleshoot the Power Source Unit
093-27E-1125**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Power Source Unit, digital multimeter, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM 9-243, TM 9-4935-452-14, and TM 9-4935-452-24P.

Standards: Troubleshooting procedures on the Power Source Unit were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Set the Power Source Unit to initial settings. | — | — |
| 2. Performed the troubleshooting procedures on the Power Source Unit. | — | — |
| 3. Performed corrective action to faulty component. | — | — |
| 4. Completed troubleshooting procedures. | — | — |
| 5. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14
- TM 9-4935-452-24P

Related

**Repair the Target Collimator Unit
093-27E-1136**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Target collimator unit, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, digital multimeter, DM-501A, one number 3 test lead, TM's 9-243, 9-4935-452-14 and 9-4935-452-24P.

Standards: The target collimator unit was repaired and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the target collimator unit. | — | — |
| 3. Removed the faulty component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the target collimator unit. | — | — |
| 6. Verified that the target collimator unit was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-452-14
- TM 9-4935-452-24P

Related

**Perform the 240-Day Alignment Procedure on the TOW Field Test Set
093-27E-1141**

Conditions: Perform this task given the following: AN/TSM-140A or -140B Test Set Guided Missile System, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, DA Form 2407, DA Pam 738-750, TM 9-243, TM 9-4935-452-14. At least one additional soldier is required to help move equipment and for safety reasons.

Standards: Alignment procedures on the AN/TSM-140A or -140B were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Prepared the AN/TSM-140A or -140B TOW Field Test Set testing. | — | — |
| 2. Performed alignment procedures. | — | — |
| 3. Stowed the alignment equipment in proper containers. | — | — |
| 4. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

DA FORM 2407
DA PAM 738-750
TM 9-243
TM 9-4935-452-14

Related

Subject Area 5: Javelin Missile System

Purge the Command Launch Unit (CLU)

093-27E-1670

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, purging kit, nitrogen bottle, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, (EM0183) IETM 9-1425-JAVELIN Missile System, Command Launch Unit (CLU) and TM 9-243.

Standards: The Command Launch Unit was repaired and safety precautions observed according to (EM0183) IETM 9-1425-JAVELIN Missile System. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

GO NO GO

PRESSURIZED NITROGEN IS DANGEROUS, BE EXTREMELY CAREFUL WHEN USING NITROGEN. HITTING OR DROPPING TANK COULD KILL OR INJURE SOMEONE.

- | | | |
|--|-------|-------|
| 1. Inspected the CLU for obvious damages to the chassis or Command Launch Unit. | _____ | _____ |
| 2. Performed set up of nitrogen bottle and purging kit. | _____ | _____ |
| 3. Performed purging procedures to include removal / replacement of desiccators. | _____ | _____ |
| 4. Removed nitrogen supply from CLU according to IETM procedures. | _____ | _____ |
| 5. Completed maintenance forms. | _____ | _____ |

AVOID PROLONGED BREATHING OF VAPORS. USE ONLY IN VENTILATED AREAS, DO NOT USE NEAR SPARKS OR OPEN FLAME. CLOSE CONTAINER WHEN NOT IN USE. CONTENTS ARE TOXIC.

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required
 DA FORM 2407
 DA PAM 738-750
 EM 0183

Related

Perform Operational Checks on the Command Launch Unit (CLU)

093-27E-1671

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, (EM0183) IETM 9-1425-JAVELIN Missile System and a fully operational Command Launch Unit (CLU), TM 9-243.

Standards: The Command Launch Unit was repaired and safety precautions observed according to (EM0183) IETM 9-1425-JAVELIN Missile System. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

GO NO GO

If CLU indicators flash on and off give batteries time to warm up. Power CLU in DAY for 30-60 sec; turn to OFF position then back to DAY. Repeat process if indicators continue to flash.

- | | | |
|---|---|---|
| 1. Prepared Night Vision Sight (NVS) and day sight lens covers for operational use. | — | — |
| 2. Conducted Command Launch Unit (CLU) operational check procedures. | — | — |
| 3. Ensured day sight and NVS lens covers were closed. | — | — |
| 4. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- EM 0183
- TM 9-243

Related

Troubleshoot Command Launch Unit (CLU)

093-27E-1672

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, (EM0183) IETM 9-1425-JAVELIN Missile System and a fully operational Command Launch Unit (CLU) with Field Tactical Trainer (FTT), TM 9-243.

Standards: Performed troubleshooting procedures on the Command Launch Unit with Field Tactical Trainer, followed procedures to fault isolate system down to faulty component and repaired as necessary following troubleshooting procedures outlined in EM0183, TM 9-1425-JAVELIN. Safety precautions were observed according to (EM0183) IETM 9-1425-JAVELIN Missile System. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Performed visual inspection of Command Launch Unit (CLU). | — | — |
| 2. Initiated the CLU Maintenance Built In Test (MBIT). | — | — |
| 3. Followed the fault isolation repair / verification procedures. If MBIT cannot be accomplished, perform NON-BIT diagnostic procedures. | — | — |
| 4. Performed CLU purging procedures. | — | — |
| 5. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- EM 0183
- TM 9-243

Related

**Repair Command Launch Unit (CLU)
093-27E-1673**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Command Launch Unit (CLU) with Field Tactical Trainer (FTT), Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, (EM0183) IETM 9-1425-JAVELIN Missile System and TM 9-243.

Standards: Repair procedures on the Command Launch Unit were performed and all faulty components were repaired or replaced according to EM0183 TM 9-1425-JAVELIN. Safety precautions observed according to (EM0183) IETM 9-1425-JAVELIN Missile System. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the Command Launch Unit (CLU). | — | — |
| 3. Removed the faulty component. | — | — |
| 4. Installed the replacement component and reassembled CLU. | — | — |
| 5. Performed the CLU operational check | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- EM 0183
- TM 9-243

Related

Subject Area 6: Bradley Fighting Vehicle TOW2 Subsystem Maintenance

**Perform PMCS on the TOW/TOW 2 Subsystem Support Equipment
093-27E-1200**

Conditions: Perform this task given the following: TOW/TOW 2 Subsystem test set and all support equipment with TMDE. DA Form 2407, Land Combat Electronic Missile System Repairer with tool kit and supplemental cleaning materials, DA Pam 738-750, TM 9-243, TM's 9-4935-474-14, 9-4935-474-14-2-1, and 9-4935-474-2-2.

Standards: PMCS on the TSS-TS and all support equipment was performed and safety precautions observed according to TM's 9-4935-474-14, 9-4935-474-14-2-1 and 9-4935-474-14-2-2. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | GO | NO GO |
|--|-----------|--------------|
| 1. Inspected the TC and cables for damage or missing hardware. | — | — |
| 2. Inspected the MS and cables for damage or missing hardware. | — | — |
| 3. Inspected the D/NSC and remote position controller for damage or missing hardware. | — | — |
| 4. Performed self-test on the T2SS-TS. | — | — |
| 5. Performed 180-day test on the T2SS-TS. | — | — |
| 6. Inspected the Basic Sight Assembly Controller Unit for missing or damaged hardware. | — | — |
| 7. Performed Basic Sight Assembly Controller self-test. | — | — |
| 8. Inspected the BSA-Holding Fixture for damage. | — | — |
| 9. Performed an alignment check of the BSA-HF. | — | — |
| 10. Inspected the BSA rail assembly for damage. | — | — |
| 11. Inspected the alignment breakout box and cables for damage or missing hardware. | — | — |
| 12. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-474-14
- TM 9-4935-474-14-2-1
- TM 9-4935-474-14-2-2

Related

Perform TOW Subsystem 180-Day Verification
093-27E-1218

Conditions: Perform this task given the following: M2/M3 BFV with the TSS-TS installed, DA Form 2407, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental kit, DA Pam 738-750, TM 9-243, TM's 9-1425-453-34-1, 9-1425-474-34-2, 9-1425-474-34-1, 9-1425-474-34-2, and 9-4935-474-14.

Standards: The 180-day verification test procedures on the TSS and T2SS were performed and safety precautions observed according to the applicable equipment technical manuals. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Adjusted the turret controls of the BFV according to the technical manual. | — | — |
| 2. Connected the TOW Subsystem Test Set to the TOW Subsystem. | — | — |
| 3. Completed the electrical and mechanical tests according to 180-day test procedures. | — | — |
| 4. Removed the TSS-TS from the BFV and returned the TSS to normal operating condition. | — | — |
| 5. Completed all maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-453-34-1
- TM 9-1425-453-34-2
- TM 9-1425-474-34-1
- TM 9-1425-474-34-2
- TM 9-243
- TM 9-4935-474-14

Related

- TM 9-2350-252-10-1
- TM 9-2350-252-10-2
- TM 9-4935-474-14-2-1
- TM 9-4935-474-14-2-2

**Troubleshoot the BFV TOW2 Subsystem Test Set (T2SS-TS)
093-27E-1600**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental set, T2SS-TS, basic sight assembly support equipment, alignment breakout box, night vision sight test set, AN/TAM-3, one 40 volt/5A power supply, TM 9-242, TM 9-4935-474-14-2-1 and TM 9-4935-474-14-2-2.

Standards: Troubleshooting procedures on the T2SS-TS were performed and all safety precautions observed according to TM 9-4935-474-14-2-1 and TM 9-4935-474-14-2-2. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Prepared TOW 2 Subsystem Test Set for testing. | — | — |
| 2. Performed troubleshooting procedures on the T2SS-TS according to technical manual. | — | — |
| 3. Performed corrective action according to technical manual. | — | — |
| 4. Completed all maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-4935-474-14-2-1
- TM 9-4935-474-14-2-2

Related

- TM 9-4935-474-14

**Align the BFV TOW2 Subsystem Test Set
093-27E-1601**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental set, T2SS-TS, basic sight assembly support equipment, alignment breakout box, night vision sight test set, AN/TAM-3, one 40 volt/5A power supply, TM's 9-4935-474-14-2-1, 9-4935-474-14-2-2 and TM 9-243.

Standards: Alignment procedures on the TOW 2 Subsystem Test Set were performed and all safety precautions observed according to TM 9-4935-474-14-2-1 and TM 9-4935-474-14-2-2. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Prepared the TOW 2 Subsystem Test Set for testing. | — | — |
| 2. Performed test equipment alignment and set up procedures. | — | — |
| 3. Adjusted or aligned the test controller. | — | — |
| 4. Adjusted or aligned the missile simulator. | — | — |
| 5. Adjusted or aligned the day/night sight collimator. | — | — |
| 6. Ran the TOW 2 Subsystem Test Set self-test 00 and verified that the TOW 2 Subsystem Test Set was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

| Required | Related |
|----------------------|----------------|
| DA FORM 2407 | |
| DA PAM 738-750 | |
| TM 9-243 | |
| TM 9-4935-474-14-2-1 | |
| TM 9-4935-474-14-2-2 | |

**Repair the BFV TOW2 Subsystem Test Set
093-27E-1602**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental set, T2SS-TS, basic sight assembly support equipment, alignment breakout box, alignment test set, night vision sight test set, AN/TAM-3, one 40 volt/5A power supply, TM 9-4935-474-14-2-1, TM 9-4935-474-14-2-2, TM 9-4935-474-24P-2 and TM 9-243.

Standards: The T2SS-TS was repaired and safety precautions observed according to TM 9-4935-474-14-2-2 and TM 9-4935-474-14-2-1. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the TOW 2 Subsystem Test Set. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the TOW 2 Subsystem Test Set. | — | — |
| 6. Verified that the TOW 2 Subsystem Test Set was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-474-14-2-1
- TM 9-4935-474-14-2-2
- TM 9-4935-474-24P-2

Related

- TM 9-4935-474-14

**Repair the BFV TOW2 Missile Guidance Set
093-27E-1603**

Conditions: Perform this task given the following: In an M2/M3 Bradley Fighting Vehicle or in a maintenance facility, DA Form 2407, T2SS-TS, Missile Guidance Set, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and Bradley supplemental kit, DA Pam 738-750, TM 9-1425-453-34-1, TM 9-1425-453-34P and TM 9-243.

Standards: The Missile Guidance Set was repaired and safety precautions observed according to TM 9-1425-453-34-1 and TM 9-1425-453-34P. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Performed set up and confidence test procedures. | — | — |
| 2. Performed the TOW Subsystem 180-day verification test, and isolated the malfunction. | — | — |
| 3. Obtained the replacement component from the supply source. | — | — |
| 4. Removed the defective component. | — | — |
| 5. Installed the replacement component. | — | — |
| 6. Performed TOW Subsystem 180-day test to verify MGS was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-453-24P
- TM 9-1425-453-34-1
- TM 9-243

Related

Repair the BFV TOW2 Missile Launcher (TML)
093-27E-1604

Conditions: Perform this task given the following: In an M2/M3 BFV or in a maintenance facility, DA Form 2407, T2SS-TS, Bradley Fighting Vehicle TOW 2 Launcher Assembly, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental kit, DA Pam 738-750, TM's 9-1425-453-34-1, 9-1425-453-24P and 9-243.

Standards: The BFV TOW 2 launcher assembly was repaired and safety precautions observed according to TM 9-1425-453-34-1. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Performed confidence test on the TOW Subsystem. | — | — |
| 2. Performed the TOW Subsystem 180-day verification test, and isolated the malfunction. | — | — |
| 3. Obtained the replacement component from the supply source. | — | — |
| 4. Removed the defective component. | — | — |
| 5. Installed the replacement component. | — | — |
| 6. Performed TOW Subsystem 180-day test to verify TOW 2 Launcher Assembly. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

DA FORM 2407
DA PAM 738-750
TM 9-243
TM 9-1425-453-24P
TM 9-1425-453-34-1

Related

TM 9-4935-474-14
TM 9-4935-474-14-2-1
TM 9-4935-474-14-2-2

**Repair the BFV TOW2 Integrated Sight Unit (ISU)
093-27E-1605**

Conditions: Perform this task given the following: In an M2/M3 BFV or in a maintenance facility, DA Form 2407, T2SS-TS. Integrated Sight Unit, purging kit, lifting device, leak-test fluid, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental tool kit, DA Pam 738-750, TM's 9-1425-453-34-1, 9-1425-453-24P and 9-243.

Standards: The ISU was repaired and safety precautions observed according to the equipment technical manuals listed in the Condition. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Performed confidence test on the TOW Subsystem. | — | — |
| 2. Performed the TOW Subsystem 180-day verification test and isolated the malfunction. | — | — |
| 3. Obtained the replacement component from the supply source. | — | — |
| 4. Removed the defective component. | — | — |
| 5. Installed the replacement component. | — | — |
| 6. Performed TOW Subsystem 180-day test to verify Integrated Sight Unit. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-1425-453-24P
- TM 9-1425-453-34-1

Related

- TM 9-4935-474-14
- TM 9-4935-474-14-2-1
- TM 9-4935-474-14-2-2

**Test the BFV TOW2 Basic Sight Assembly (BSA)
093-27E-1606**

Conditions: Perform this task given the following: DA Form 2407, Basic Sight Assembly, Basic Sight Assembly Support Equipment (BSA-SE), Night vision sight test set, AN/TAM-3, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental kit, DA Pam 738-750, TM 9-1425-453-34-2, and 9-243.

Standards: Test procedures on the BSA were performed and safety precautions observed according to TM 9-1425-453-34-2. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

The BSA fault may have been detected during the TOW Subsystem Confidence Test or 180-day verification.

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Performed initial set up of the BSA TO BSA Holding Fixture. | — | — |
| 2. Performed troubleshooting procedures following technical manual flow chart. | — | — |
| 3. Performed BSA alignment / adjustment procedures. | — | — |
| 4. Verified that the BSA was operational. | — | — |
| 5. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-1425-453-34-2

Related

- TM 9-4935-474-14-2-1

**Repair the BFV TOW2 Basic Sight Assembly (BSA)
093-27E-1607**

Conditions: Perform this task given the following: In an M2/M3 BFV, DA Form 2407, DA Pam 738-750, BSA, BSA-SE, night vision sight test set, AN/TAM-3, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental kit, TM's 9-243, 9-1425-453-34-1, 9-1425-453-34-2, 9-4935-474-14-2-1 and 9-4935-474-14-2-2.

Standards: The BSA is repaired and safety precautions observed according to TM 9-1425-453-34-1 and TM 9-1425-453-34-2. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

The BSA fault may have been detected during the TOW Subsystem Confidence Test Procedures, in which case the alignment / adjustment procedures determine the level of repair necessary.

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Removed faulty component from the BSA. | _____ | _____ |
| 2. Replaced the serviceable component on the BSA. | _____ | _____ |
| 3. Verified proper adjustment / alignment of the BSA. | _____ | _____ |
| 4. Returned BSA to supply activity for re-issues. | _____ | _____ |
| 5. Completed maintenance forms. | _____ | _____ |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-1425-453-34-1
- TM 9-1425-453-34-2
- TM 9-4935-474-14-2-1
- TM 9-4935-474-14-2-2

Related

**Troubleshoot the Battery Power Source (BPS)
093-27E-1657**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TOW Improved Target Acquisition System, Fire Control Subsystem (FCS), TM's 9-1425-923-34, 9-1425-923-12 and 9-243, battery power source, catastrophic power-up failure isolation chart, power-up built-in test (PBIT) initiated.

Standards: Battery Power Source (BPS) was operational; TOW ITAS was powered up, power-up built-in test (PBIT) initiated. All troubleshooting procedures on the TOW Improved Target Acquisition System, Battery Power Source were performed in accordance with the technical manuals and Built- In-Test (BIT). Followed all warnings, cautions and safety precautions outlined in the maintenance procedures. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Checked Battery Power Source for operational power. | — | — |
| 2. Rotated the FUNCTION switch on (BPS) to BIT position. | — | — |
| 3. Selected ENTER button to initiate BPS IBIT | — | — |
| 4. Verified PASS or FAIL status of the IBIT. | — | — |
| 5. Used BPS BIT Isolation to verify Fail display. | — | — |
| 6. Referred to Catastrophic Power-Up Failure Isolation for any further troubleshooting procedures. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-1425-923-12
- TM 9-1425-923-34

Related

Repair the Battery Power Source (BPS)

093-27E-1658

Conditions: Perform this task given the following: DA Pam 738-750, DA Form 2407, TOW Improved Target Acquisition System and faulty Battery Power Source; TM's 9-1425-923-12, 9-1425 923-34, 9-1425-923-24P and 9-243, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit.

Standards: All repair procedures on the TOW Improved Target Acquisition System, Battery Power Source were performed in accordance with the technical manuals and Built-In-Test (BIT). Followed all warnings, cautions and safety precautions outlined in the maintenance procedures. Completed all maintenance according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply activity. | — | — |
| 2. Removed the defective component. | — | — |
| 3. Installed the replacement component. | — | — |
| 4. Reassembled the TOW ITAS Battery Power Source (BPS). | — | — |
| 5. Performed the (BPS) BIT Power-up test. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- TM 9-243
- TM 9-1425-923-12
- TM 9-1425-923-24P
- TM 9-1425-923-34

Related

**Perform 180-Day Verification on the Bradley Acquisition System (BAS)
093-27E-1900**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, M2A2 / M3A2 BFV with BELRF / BAS Integrated Sight Unit, TOW 2 subsystem test set. Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental set, TM's 9-1425-453-34-3-1, 9-1425-453-34-3-2 and 9-1425-458-34. A minimum of two soldiers is required to perform this task.

Standards: The 180-day verification test procedures on the T2SS BELRF / BAS were performed and safety precautions observed according to the equipment technical manuals listed in the Condition. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

The Technical manuals refer to the Integrated Sight Unit as Bradley Eye Laser Range Finder (BELRF) it is also referred to as Bradley Acquisition System (BAS).

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Adjusted the turret controls of the IFV / CFV according to the technical manual. | — | — |
| 2. Connected the TSSS-TS to the T2SS in the IFV / CFV. | — | — |
| 3. Completed the electrical and mechanical test according to the 180-day test procedures. | — | — |
| 4. Removed the T2SS-TS from the IFV / CFV and returned the T2SS to normal operating condition. | — | — |
| 5. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-453-34-3-1
- TM 9-1425-453-34-3-2
- TM 9-1425-458-34

Related

- TM 9-243

**Troubleshoot the (BAS) Power Supply
093-27E-1901**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, M2A2 / M3A2 IFV and CFV with BELRF / BAS Integrated Sight Unit, TOW 2 subsystem test set, Land Combat Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental tools, TM's 9-1425-453-34-3-1, 9-1425-453-34-3-2, and 9-1425-458-34. A minimum of two soldiers is required to perform this task.

Standards: Troubleshooting procedures on the T2SS BELRF / BAS Power Supply were performed and safety precautions observed according to the equipment technical manuals listed in the Condition. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

For this task, see test controller messages and follow-on procedures.

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Followed laser range finder fault message index F1. | — | — |
| 2. Performed troubleshooting tree messages in sequence. | — | — |
| 3. Replaced faulty component. | — | — |
| 4. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-453-34-3-1
- TM 9-1425-453-34-3-2
- TM 9-243

Related

**Repair the (BAS) Power Supply
093-27E-1902**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, M2A2 / M3A2 IFV and CFV with BELRF / BAS Integrated Sight Unit, the TOW 2 subsystem test set, Land Combat Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental tools, TM's 9-1425-453-34-3-1, 9-1425-453-34-3-2, and 9-1425-458-34. A minimum of two soldiers is required to perform this task.

Standards: Repair of the T2SS BELRF / BAS Power Supply were performed and safety precautions observed according to the equipment technical manuals listed in the Condition. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Removed the defective component. | — | — |
| 3. Installed the replacement component. | — | — |
| 4. Reassembled the (BAS) Power Supply. | — | — |
| 5. Verified the repairs by testing the Power Supply with the T2SS-TS. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-453-34-3-1
- TM 9-1425-453-34-3-2
- TM 9-1425-458-34

Related

- TM 9-243

Troubleshoot the (BAS) T2SS
093-27E-1903

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, M2A2 / M3A2 IFV and CFV with BELRF / BAS Integrated Sight Unit, TOW 2 subsystem test set, Land Combat Missile System Repairer with Guided Missile Maintenance Tool Kit with supplemental tools, TM's 9-1425-453-34-3-1, 9-1425-453-34-3-2 and 9-1425-458-34. A minimum of two soldiers is required to perform this task.

Standards: Troubleshooting procedures on the T2SS BELRF / BAS were performed and safety precautions observed according to the equipment technical manuals listed in the Condition. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| The Technical manuals refer to the Integrated Sight Unit as Bradley Eye Laser Range Finder (BELRF); it may also be referred to as Bradley Acquisition System (BAS). | | |
| 1. Performed visual inspection of the TOW 2 Subsystem (T2SS). | — | — |
| 2. Verified Simplified Test Equipment (STE) fault message received from turret mechanic. | — | — |
| 3. Verified confidence test fault message. | — | — |
| 4. Performed T2SS-test set appropriate test step. | — | — |
| 5. Completed confidence test. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-453-34-3-1
- TM 9-1425-453-34-3-2
- TM 9-1425-458-34

Related

- TM 9-243

**Repair the (BAS) Integrated Sight Unit
093-27E-1904**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, M2A2 / M3A2 IFV and CFV, TOW 2 subsystem test set, Land Combat Missile System Repairer with Guided Missile Maintenance Tool Kit with supplemental tools, TM's 9-1425-453-34-3-1, TM 9-1425-453-34-3-2 and 9-1425-458-34. A minimum of two soldiers is required to perform this task.

Standards: Repair of the T2SS BELRF / BAS Integrated Sight Unit (ISU) were performed and safety precautions observed according to the equipment technical manuals listed in the Condition. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Removed the defective component. | — | — |
| 3. Installed the replacement component. | — | — |
| 4. Reassembled the BAS / BELRF Integrated Sight Unit. | — | — |
| 5. Verified / tested the Integrated Sight Unit with the T2SS-TS. | — | — |
| 6. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-453-34-3-1
- TM 9-1425-453-34-3-2
- TM 9-1425-458-34

Related

- TM 9-243

Skill Level 2

Subject Area 1: TOW and TOW 2 Missile Maintenance

**Troubleshoot the Breakout Box
093-27E-2001**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, Improved Contact Support Set (ICSS) or the Night Sight Maintenance Facility (NSMF), breakout box, digital multimeter, TM 9-243 and TM 9-4935-472-24P.

Standards: Troubleshooting and repair procedures on the breakout box were performed and safety precautions observed according to TM 9-4935-472-24P. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Performed a visual inspection of the breakout box. | — | — |
| 2. Disassembled the breakout box. | — | — |
| 3. Performed fault isolation procedures and isolated the malfunction. | — | — |
| 4. Obtained the replacement component from the supply source. | — | — |
| 5. Removed the defective component. | — | — |
| 6. Installed the replacement component. | — | — |
| 7. Reassembled the breakout box. | — | — |
| 8. Verified that the breakout box was operational. | — | — |
| 9. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-472-24P

Related

**Troubleshoot the Electrical Circuit Test Set
093-27E-2003**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, Electrical Circuit test set, AN/TSM-158, digital multimeter, DM-501A, TM 9-243 and TM 9-4935-455-14.

Standards: Troubleshooting procedures on the AN/TSM-158 Electrical Circuit test set were performed and all safety precautions observed according to TM 9-4935-455-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Performed a visual inspection on the AN/TSM-158 electrical circuit test set. | — | — |
| 2. Performed fault isolation procedures and isolated the malfunction. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the AN/TSM-158. | — | — |
| 6. Continued the troubleshooting procedures until completed. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-4935-455-14

Related

Repair the Launch Tube

093-27E-2004

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TOW 2 Weapon System, M220A2, launch tube repair kit, TM's 9-243, 9-1425-450-24P and 9-1425-450-34-1.

Standards: The M220A2 TOW 2 weapon system was repaired and safety precautions observed according to TM 9-1425-450-34-1. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Performed a visual inspection of the Guided Missile Launcher Tube for cracks and splinters. | — | — |
| 2. Repaired all faulty components. | — | — |
| 3. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-450-24P
- TM 9-1425-450-34-1
- TM 9-243

Related

**Repair the Missile Simulation Round
093-27E-2005**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, missile simulation round, digital multimeter, DM-501A, TM 9-243, and TM 9-6920-450-34.

Standards: The missile simulation round was repaired and safety precautions observed according to TM 9-6920-450-34. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the missile simulation round. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the missile simulation round. | — | — |
| 6. Verified that the missile simulation round was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-243
- TM 9-6920-450-34

Related

- TM 9-6920-450-24P

Subject Area 2: Dragon Missile Maintenance

Troubleshoot/Repair the Viscous Damper
093-27E-2006

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, M175, Infrared tracker test adapter, MX-10078/G, digital multimeter, DM-501A, TM 9-243, TM 9-1425-484-24 and TM 9-4935-480-24P.

Standards: Troubleshooting and repair procedures on the M175 launcher mount were performed and safety precautions observed according to TM 9-1425-484-24. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| Perform the following steps with caution to avoid injury. | | |
| 1. Obtained the replacement component from the supply source. | — | — |
| 2. Disassembled the viscous damper mount. | — | — |
| 3. Removed the defective component. | — | — |
| 4. Installed the replacement component. | — | — |
| 5. Reassembled the M175 launcher mount. | — | — |
| 6. Verified that the M175 launcher mount was operational. | — | — |
| 7. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed. Score the soldier no-go if any performance measure is failed. If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-484-24
- TM 9-243
- TM 9-4935-480-24P

Related

Skill Level 3

Subject Area 7: Maintenance Operations

Direct Maintenance on the Dragon Weapon System
093-27E-3902

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, M54 Launcher effects trainer, SU-36P (day tracker), AN/TAS-5 night vision sight, TM's 9-243, 9-1425-484-24 and 9-4935-484-14.

Standards: The maintenance on the components of the Dragon Medium Anti Tank Assault Weapon System was performed and safety precautions observed according to TM's 9-4935-484-14 and TM 9-1425-484-24 and associated parts manuals. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Assigned the work priorities to repairer. | — | — |
| 2. Checked the selected jobs to ensure that the reported malfunctions were verified before performing repairs. | — | — |
| 3. Checked fault isolation procedures for compliance with the applicable technical manuals. | — | — |
| 4. Checked for the proper use of tools. | — | — |
| 5. Made on-the-spot corrections of any deficiencies. | — | — |
| 6. Checked the work area for adequate safety procedures. | — | — |
| 7. Checked for completion of the verification procedures. | — | — |
| 8. Ensured that maintenance forms were filled out correctly. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References**Required**

DA FORM 2407
 DA PAM 738-750
 TM 9-1425-484-24
 TM 9-243
 TM 9-4935-484-14

Related

TM 750-245-4

**Direct Troubleshooting Procedures on the Man Portable Common Thermal Night Sight (MPCTNS)
093-27E-3903**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, night vision sight AN/TAS-4, AN/TAS-5 or AN/TAS-6, night vision sight test set, AN/TAM-3, 3A, or 3B, TM's 9-243, 9-5855-247-24, 9-1425-484-24 and 9-5855-255-14.

Standards: Troubleshooting procedures on the MPCTNS were performed and safety precautions observed according to TM's 9-5855-247-24 and 9-1425-484-24, Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Supervised the installation of the applicable test sets. | — | — |
| 2. Directed the troubleshooting procedures on the applicable night vision sights. | — | — |
| 3. Verified that the repairs were made according to applicable technical manuals. | — | — |
| 4. Provided adequate supervision during maintenance procedures. | — | — |
| 5. Made on-the-spot corrections of any deficiencies found. | — | — |
| 6. Checked for proper use of tools. | — | — |
| 7. Ensured that maintenance forms were filled out correctly. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-484-24
- TM 9-243
- TM 9-5855-247-24
- TM 9-5855-255-14

Related

**Direct TOW Field Test Set Operation Procedures
093-27E-3908**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TFTS, AN/TSM-140B, digital multimeter, DM-501A, oscilloscope, SC-502, TM's 9-243, 9-4935-452-14 and 9-1425-451-34.

Standards: Operational procedures on the AN/TSM-140B TFTS were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Ensured that the AN/TSM-140B TOW Field Test Set was set up for operation. | — | — |
| 2. Ensured that adequate supervision was being provided to repairers. | — | — |
| 3. Ensured that repairers set TFTS to initial settings | — | — |
| 4. Ensured that all self-test procedures were performed. | — | — |
| 5. Made on-the-spot corrections of any deficiencies found. | — | — |
| 6. Checked for the proper use of tools. | — | — |
| 7. Ensured that maintenance forms were filled out correctly. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-1425-451-34
- TM 9-243
- TM 9-4935-452-14

Related

- TM 9-1425-450-34-2
- TM 9-4935-452-24P

**Direct Maintenance of the TOW Field Test Set
093-27E-3909**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TFTS, AN/TSM-140B, digital multimeter, DM-501A, oscilloscope, SC-502, TM's 750-245-4, 9-243, 9-1425-451-34 and 9-4935-452-14.

Standards: Maintenance procedures on the AN/TSM-140B TFTS were performed and safety precautions observed according to TM 9-4935-452-14. Tools were used according to TM 9-243. Maintenance was completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Ensured that the AN/TSM-140B TFTS was set up for testing. | — | — |
| 2. Ensured that repairers performed power turn on procedures. | — | — |
| 3. Ensured that repairers performed all alignment procedures. | — | — |
| 4. Made on-the-spot corrections of any deficiencies found. | — | — |
| 5. Checked for the proper use of tools. | — | — |
| 6. Ensured that maintenance forms were filled out correctly. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 750-245-4
- TM 9-1425-451-34
- TM 9-243
- TM 9-4935-452-14

Related

Direct Maintenance on Bradley TOW/TOW2
093-27E-3910

Conditions: Perform this task given the following: M2/M3 BFV or a maintenance facility, DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit and supplemental set, TOW Subsystem Test Set (TSS-TS), TM's 9-1425-453-34-1, 9-1425-453-34-2, 9-1425-474-34-1, 9-1425-474-34-2, 9-4935-453-14-1, 9-4935-454-14, 9-4935-454-24, 9-4935-454-24P, and 9-243.

Standards: Maintenance on the TOW / TOW 2 Subsystems and related test sets and equipment was performed and all safety precautions observed according to the applicable equipment technical manuals. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Assigned work priorities to repairers. | — | — |
| 2. Ensured repairers had adequate supervision. | — | — |
| 3. Checked selected jobs in progress to ensure that the malfunctions were verified before repairs were made. | — | — |
| 4. Checked repairers' fault isolation procedures for compliance with the applicable equipment technical manuals. | — | — |
| 5. Checked repair procedures for the proper use of tools. | — | — |
| 6. Corrected any deficiencies found during maintenance procedures. | — | — |
| 7. Ensured all repairs and maintenance forms were completed according to DA-Pam 738-750. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

DA FORM 2407
DA PAM 738-750
TM 9-1425-453-34-1
TM 9-1425-453-34-2
TM 9-1425-474-34-1
TM 9-1425-474-34-2
TM 9-243
TM 9-4935-453-14-1
TM 9-4935-454-14
TM 9-4935-454-24P

Related

**Direct Maintenance on the TOW2 Weapon System
093-27E-3911**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM 9-243, TM 9-1425-450-L and TM 750-245-4.

Standards: Maintenance on the M220A2 TOW 2-weapon system and was performed and safety precautions observed according to the applicable equipment technical manuals listed in TM 9-1425-450-L. Tools were used according to TM 9-243. Maintenance forms were completed according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Assigned repair work priorities. | — | — |
| 2. Supervised repairers during TOW 2 Weapon System maintenance. | — | — |
| 3. Checked selected jobs in to ensure that the reported malfunctions were verified before repairs were made. | — | — |
| 4. Checked repairers' fault isolation procedures for compliance with the applicable equipment technical manuals. | — | — |
| 5. Ensured that proper tools were used during repairs. | — | — |
| 6. Made on the spot corrections for deficiencies. | — | — |
| 7. Checked the work area for safety violations. | — | — |
| 8. Checked the verification procedures after repairs were completed. | — | — |
| 9. Completed maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 750-245-4
- TM 9-1425-450-L
- TM 9-243

Related

- TM 9-1425-450-12
- TM 9-1425-450-34-1
- TM 9-1425-450-34-2

**Submit a Quality Deficiency Report (QDR)
093-SSG-3004**

Conditions: Given the requirement to submit a quality deficiency report (QDR) for a serious or recurring maintenance problem. You are given the following items: AR 725-50, DA Form 2404, DA Form 2407, DD Form 173/1, DD Form 1575, DD Form 2332, DA Pam 738-750, SF 368, and TB 43-0001-series for equipment used. This task can be performed in a field or garrison environment.

Standards: Identified conditions that indicated a quality deficiency existed, prepared the appropriate report form, and identified and retained QDR exhibits.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Identified conditions that indicated a quality deficiency exist. | — | — |
| a. A condition in or with the equipment, which is dangerous to people, other equipment, or the mission. | | |
| b. An item or equipment that did not work right or last as long as it should because of bad design or materials. | | |
| c. Items that were not within the approved equipment specifications. | | |
| d. Low quality workmanship. | | |
| e. Dangerous situations due to incorrect or missing data. | | |
| f. Maintenance problems. | | |
| g. Conditions that prevented using the equipment. | | |
| h. Repeated problems that took a lot of time and no solution in sight. | | |
| i. Problems requested to be reported by the National Maintenance Point (NMP). | | |
| 2. Identified Category I deficiencies. | — | — |
| a. A defect that may have caused death, injury, or severe job illness. | | |
| b. A defect that would have caused loss or major damage to a weapon system. | | |
| c. A defect that would critically restricted the combat readiness capabilities of the unit. | | |
| 3. Sent in a Category I deficiency report. | — | — |
| a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11. | | |
| b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11 (may be phoned in). | | |
| c. Sent message within 48 hours after defect or problem was found. | | |
| d. Kept one copy of the SF 368 until the case was closed by the Army screening point. | | |
| e. Sent one copy of the SF 368 to the support maintenance activity. | | |
| NOTE Send SF 368 even if - - | | |
| (1) Correspondence indicated the problem was known to exist (unless corrective action is printed in the Equipment Improvement Recommendation and Digest). | | |
| (2) Other units had sent in a QDR on the same problem. | | |
| f. Identified defective equipment as exhibits. | | |
| 4. Identified Category II deficiencies (a defect or recommendation that did not meet the criteria for a Category I deficiency). | — | — |
| 5. Sent in a Category II deficiency report. | — | — |
| a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11. | | |
| b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11. | | |

Performance Measures

GO **NO GO**

- c. Sent a message within 5 days after defect or problem was found.
- d. Kept one copy of the SF 368 until the case was closed by the Army screening point.
- e. Send one copy of the SF 368 to the support maintenance activity.

NOTE: Sent SF 368 even if - -

(1) Correspondence indicates the problem was known to exist (unless corrective action was printed in the Equipment Improvement Recommendation and Digest.

(2) Other units had sent in a QDR on the same problem.

- f. Identified defective equipment as exhibits.

6. Retained QDR exhibits:

- a. Tagged each exhibit with DD Form 1575, and DD Form 2332 and classified it in a suspended supply condition code in accordance with AR 725-50.
- b. Ensured exhibits were not taken apart at organizational or support maintenance levels just to see cause of the problem.
- c. Kept the SF 368 for at least 60 days or until disposition, instructions were received from the responsible command.
- d. Secured and /or segregated exhibits from all other materiel.

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

- AR 725-50
- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- DD FORM 1575
- DD FORM 173/1
- DD FORM 2332
- SF 368
- TB 43-0001-SERIES

Related

- AR 702-7
- AR 702-7-1
- DA PAM 738-751

**Plan Work Flow
093-SSG-3006**

Conditions: Perform this task given DA Forms 2407 or DA Form 55988-E/job packets with various issue priority designators, a visible index file showing the shop workload summary, and TM 38-L09-11. This task can be performed in a field or garrison environment.

Standards: Distributed all DA Forms 2407 or DA Form 5988-E/job packets by issue priority designators, highest priorities first. Ensured the visible index file were up to date, legible, and complete according to TM 38-L09-11.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Arranged the DA Forms 2407/job packets by issue priority designators, highest priorities first. | — | — |
| 2. Used the DA Forms 2407/job packets in the same order to assign jobs to repairers. | — | — |
| 3. Monitored the work as the jobs went through the repair process. | — | — |
| 4. Assigned new jobs to the repairers as they completed the one they were assigned. | — | — |
| 5. Reviewed all paper work within the job packets for completeness. | — | — |
| 6. Updated the visible index file. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 2407
DA FORM 2407-1
DA FORM 5990-E
TM 38-L09-11

Related

DA PAM 738-750
DA PAM 738-751
FM 4-30.3

**Provide Technical Assistance to Repairers
093-SSG-3008**

Conditions: Given DA Pam 738-750, DA Pam 738-751, TB 385-4 and a repairer in your electronic/avionic maintenance shop requires technical assistance. This task can be performed in a field or garrison environment.

Standards: Provided technical assistance that enabled the repairer to perform the repair procedures correctly.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Determined the type of assistance needed by the repairer, such as isolating the malfunction, repairing the malfunction, or making proper entries on the paperwork. | — | — |
| 2. Reviewed DA Form 2404 or DA Form 5988-E and DA Form 2407 or DA Form 5990-E to determine reason for maintenance or repair. | — | — |
| 3. Verified repairer observed WARNING, CAUTION, and NOTE statements in applicable references and observed all safety precautions. | — | — |
| 4. Reviewed the repair procedures performed by the repairer. | — | — |
| 5. Provided technical assistance to the repairer. | — | — |
| 6. Counseled repairer on areas of technical weakness. | — | — |
| 7. Recommended technical material and training to increase repairer's expertise. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 5988-E
DA FORM 5990-E
DA PAM 738-750
DA PAM 738-751
TB 385-4

Related

DA FORM 2404
DA FORM 2407

**Perform Initial Inspections
093-SSG-3009**

Conditions: Given the applicable technical manuals, equipment to be inspected, DA Form 2404 or DA Form 5988-E, DA Form 2407 or DA Form 5990-E, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Performed the initial inspection by ensuring that the equipment was repairable according to the applicable technical manuals, all defects had been found, and all maintenance forms were completed according to DA Pam 738-750 or DA Pam 738-751.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Checked submitted paperwork for completeness and accuracy. | — | — |
| 2. Inspected the equipment for physical damage and determined if it was feasible to repair the equipment. | — | — |
| 3. Ensured that operator maintenance had been performed on the equipment. | — | — |
| 4. Inventoried the equipment to ensure that it was complete. | — | — |
| 5. Ensured that all modification work orders (MWOs) had been completed. | — | — |
| 6. Performed self-tests or checks on the equipment if necessary. | — | — |
| 7. Recorded all defects or reasons for rejecting the equipment on DA Form 2404 or DA Form 5899-E. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 2404
 DA FORM 2407
 DA FORM 5988-E
 DA FORM 5990-E
 DA PAM 738-750
 DA PAM 738-751

Related

DA PAM 750-1
 FM 4-30.3
 TM 750-245-4

**Perform Final Inspections
093-SSG-3010**

Conditions: Given the applicable technical manuals, equipment to be inspected, DA Form 2404 or DA Form 5988-E1, DA Form 2407 or DA Form 5990-E, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Performed final inspection. Ensured that the equipment was complete according to the applicable technical manuals, all defects identified in previous inspections have been corrected, any additional defects have been recorded on DA Form 2404 or DA Form 5988-E, and all forms were completed according to DA Pam 738-750 or DA Pam 738-751.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Checked the equipment to determine if it was complete, that all defects found on the initial, and in-process inspections have been corrected. | — | — |
| 2. Ensured that all forms and records were complete and correct. | — | — |
| 3. Recorded any additional defects on DA Form 2404 or DA Form 5988-E and returned the equipment to production control. | — | — |
| 4. Signed and dated DA Form 2407 or DA Form 5990-E when the equipment passed inspection. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

- DA FORM 2404
- DA FORM 2407
- DA FORM 5988-E
- DA FORM 5990-E
- DA PAM 738-750
- DA PAM 738-751

Related

- DA PAM 750-1
- FM 4-30.3
- TM 750-245-4

Perform In-Process Inspection
093-SSG-3012

Conditions: Given applicable inspection forms, a repairer performing repairs on equipment, applicable technical manuals, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Performed in-process inspection. Ensured that the proper tools and equipment were being used and all safety rules and warnings were followed according to the applicable technical manuals. Completed all forms according to DA Pam 738-750 or DA Pam 738-751. Reported inspection results.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Ensured that the proper tools and equipment were used. | — | — |
| 2. Ensured that the proper repair procedures were followed. | — | — |
| 3. Ensured that only authorized repair parts and supplies were used. | — | — |
| 4. Ensured that only authorized repairs were performed on the equipment. | — | — |
| 5. Ensured that only authorized personnel made the repairs. | — | — |
| 6. Ensured that all safety rules and warnings were followed. | — | — |
| 7. Ensured that all forms were filled out correctly. | — | — |
| 8. Made an oral or written report of the inspection to the repair section chief and the quality control section supervisor. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure is performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA PAM 738-750
DA PAM 738-751

Related

FM 4-30.3
TM 750-245-4

**Manage Demand Supported Repair Parts Listed on the Prescribed Load List (PLL)
093-SSG-3015**

Conditions: This task will be conducted during the normal performance of your daily duties within an electronic/avionics maintenance shop. You will manage demand-supported repair parts for an electronic/avionics maintenance shop given the following items: AR 710-2, DA Pam 710-2-1, DA Form 2063-R, DA Form 2064, DA Form 3318, copy of FEDLOG discs, unit's initial mandatory parts list (IMPL), unit's prescribed load list (PLL), and technical part manuals. This task can be performed in a field or garrison environment.

Standards: Completed review and corrected the PLL in accordance with the equipment technical parts manual, AR 710-2, and DA Pam 710-2-1 for the electronic/avionic repair parts listed on the PLL.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Reviewed the units prescribed load list (PLL) for electronic/avionics maintenance shop's repair parts. | — | — |
| 2. Verified that the electronic/avionics shop's repair parts qualify to be on the PLL list. | — | — |
| 3. Reviewed demand-supported unit maintenance repair parts documents and ensured they met the following: <ul style="list-style-type: none"> a. Three demands were made within the control period of 180 days for active army. b. Parts are essential and have a maintenance use code of "O". (Except for non-tactical telecommunications systems, air traffic control, or lifesaving systems). | — | — |
| 4. Reviewed non-demand-supported unit maintenance repair parts documents and ensured they met the following: <ul style="list-style-type: none"> a. Approved by the first general officer staff level in the chain of command is required in order to stock? b. Parts essential and has a maintenance use code of "O". (Except for non-tactical telecommunications systems, air traffic control, or lifesaving systems). | — | — |
| 5. Reviewed the initial stockage of repair parts for newly introduced end items as identified by support list allowance card (SLAC) deck: <ul style="list-style-type: none"> a. The stockage level will not be reduced the first year. b. If the end item is under warranty, the one-year will begin on expiration of warranty. | — | — |
| 6. Reviewed the mandatory stockage of repair parts as identified in the initial mandatory parts list (IMPL). | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required
 AR 710-2
 DA FORM 2063-R
 DA FORM 2064
 DA FORM 3318
 DA PAM 710-2-1

Related
 FM 4-30.3

References
Required
FEDLOG

Related

Subject Area 8: Maintenance Management I

**Inspect Section/Shop Safety
093-SSG-3001**

Conditions: Perform this task given a requirement to inspect an electronic or avionics maintenance shop area and given the following references: AR 40-5, AR 385-10, DA Pam 40-501, DA Pam 385-1, TB 385-3, TB 385-4, TB MED 523, Unit and local safety standing operating procedures (SOPs), and Unit Safety Checklist. This task can be performed in a field or garrison environment.

Standards: Inspection was conducted to ensure that all Army, company, and maintenance shop safety policies, regulations and local SOPs were followed; all safety hazards were identified; environmental risk assessment to determine high-risk areas was performed, and all deficiencies were corrected. Established an inspection schedule regarding what to inspect and how frequently. Recorded deficiencies and recommended corrective actions and retained these reports to check progress. Followed up to ensure deficiencies had been corrected.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Reviewed the Army, company, and maintenance shop safety policies, regulations, and local SOPs. | — | — |
| 2. Ensured that all of the Army safety references and company and maintenance shop SOPs were being followed. | — | — |
| 3. Planned inspections so that all areas were covered periodically. | — | — |
| a. Identified hazards to the environment before the inspection process. | | |
| b. Assessed the probability of environmental damage/violations using environmental risk-assessment matrices before the inspection process. | | |
| 4. Scheduled the inspection so that normal operations were disrupted as little as possible. | — | — |
| 5. Inspected areas with the greatest potential for accident severity and those having the highest accident frequency more frequently. | — | — |
| 6. Developed a suitable checklist of items to be inspected in accordance with AR 385-10, AR 40-5, DA Pam 40-501, DA Pam 385-1, TB 385-3, TB 385-4, TB MED 523, and maintenance section/shop SOPs. | — | — |
| 7. Inspected the maintenance section/shop to ensure that all test equipment calibration dates were current. | — | — |
| 8. Inspected the maintenance section/shop to ensure that all equipment and benches were properly grounded. | — | — |
| 9. Inspected the maintenance section/shop to ensure that a mounted safety board was present. | — | — |
| 10. Inspected the maintenance section/shop to ensure that rubber floor mats or similar insulating materials were provided for each repair position. | — | — |
| 11. Inspected the maintenance section/shop to ensure that all power attachments, plugs, and connectors were serviceable with no exposed current-carrying parts except the prongs. | — | — |
| 12. Inspected the maintenance section/shop to ensure that all physical and high-voltage hazards had been identified. | — | — |

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 13. Inspected the maintenance section/shop to ensure it was complying with host nation, local, state and federal environmental laws and regulations. | — | — |
| 14. Briefed the chain of command on the results, potential high-risk areas, and recommendations from the safety inspection. | — | — |
| 15. Identified all safety hazards and took corrective action. | — | — |
| 16. Ensured that any deficiencies found were corrected. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

AR 385-10
 AR 40-5
 DA PAM 385-1
 DA PAM 40-501
 TB 385-3
 TB 385-4
 TB MED 523

Related

AR 200-1
 AR 385-40
 DA PAM 200-1
 FM 3-04.500
 FM 4-30.3
 TB 43-0129
 TC 3-34.489

**Manage Section/Shop Security
093-SSG-3002**

Conditions: Given AR 190-13, AR 380-5, AR 380-19, AR 380-40, DA Pam 190-51, FM 19-30, and local and unit standing operating procedures (SOPs). This task can be performed in a field or garrison environment.

Standards: Ensured that all Army security policies and regulations and the maintenance shop and local SOPs were followed. Identified and reported all security deficiencies and ensured that all deficiencies were corrected.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Reviewed all of the Army security policies and regulations and the maintenance shop and local SOPs. | — | — |
| 2. Ensured a work place risk analysis was performed. | — | — |
| 3. Ensured that physical security policies, regulations, and SOPs were followed. | — | — |
| 4. Ensured that classification and marking policies were followed. | — | — |
| 5. Ensured that all security control policies and regulations were followed. | — | — |
| 6. Ensured that personnel security and signal training policies were followed: <ul style="list-style-type: none"> a. Initial security training and briefing for newly assigned personnel. b. Refresher security training for assigned personnel. c. Procedures for identifying and reporting insecurities. | — | — |
| 7. Ensured that signal security (SIGSEC) policies and regulations were followed: <ul style="list-style-type: none"> a. Ensured subordinates followed all Army and unit policies and regulations covering communications security (COMSEC) procedures. b. Ensured subordinates followed all Army and unit policies and regulations covering electronic security (ELSEC) procedures. | — | — |
| 8. Identified and reported all security deficiencies and ensured that all deficiencies were corrected. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

AR 190-13
 AR 380-19
 AR 380-40
 AR 380-5
 DA PAM 190-51
 FM 3-19.30

Related

AR 5-12
 DA PAM 25-380-2
 FM 24-33
 FM 34-60
 FM 4-30.3

**Maintain Section/Shop Calibration Program
093-SSG-3003**

Conditions: Given the maintenance section/shop calibration program, TB 43-180, TB 750-25, and company SOP. The following resources will be available: DA Form 3758-R, DA Label 80, TMDE master listing for the maintenance section/shop calibration program, and company SOP. This task can be performed in a field or garrison environment.

Standards: Maintained a master listing for all calibrated equipment assigned to the maintenance section/shop in accordance with TB 43-180, TB 750-25, and company SOPs. Reviewed the section/shop calibration listing for equipment due calibration on a monthly basis and updated status on all calibration equipment still turned in to the calibration support unit.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Identified all equipment listed on section/shop hand-receipts that might require a calibration label: | — | — |
| a. Test equipment. | | |
| b. Equipment modules. | | |
| c. Dummy loads. | | |
| d. Voltage test probes. | | |
| e. Radiac equipment. | | |
| f. Motor pool equipment. | | |
| g. Power supplies. | | |
| 2. Determined which equipment identified was listed in TB 43-180: | — | — |
| a. Identified equipment-requiring calibration. | | |
| b. Identified equipment for which calibration was not required (CNR). | | |
| 3. Prepared DA Form 3758-R if any new equipment not listed in TB 43-180 required calibration. | — | — |
| 4. Maintained a master listing for all calibration items in the maintenance section/shop. | — | — |
| 5. Scheduled equipment for calibration: | — | — |
| a. Staggered like equipment, when possible, so that there was always equipment available on site. | | |
| b. Assigned a higher priority for critical TMDE when necessary. | | |
| c. Scheduled plug-in modules and accessories for calibration with the major piece of equipment. | | |
| d. Reviewed signature cards and orders, as required locally, to update customer files and for the first appointment. | | |
| 6. Prepared CNR labels, as required, for remaining equipment. | — | — |
| 7. Turned in/picked up equipment from the calibration facility: | — | — |
| a. Turned in equipment with a minimum of accessories and covers. | | |
| b. Obtained signed and dated receipt for equipment. | | |
| c. Inspected equipment for damage and accessories before signing. | | |
| d. Obtained calibration listings when available. | | |
| 8. Updated calibration listing: | — | — |
| a. Verified calibration due dates. | | |
| b. Deleted entries. | | |
| c. Added entries. | | |
| 9. Maintained a temporary storage area for calibrate before use (CBU) equipment: | — | — |

Performance Measures

GO **NO GO**

- a. Identified CBU equipment as appropriate.
- b. Identified a limited access storage area.
- c. Prepared DA Label 80 for CBU.
- d. Updated calibration listing for CBU items.
- e. Stored equipment until required.
- f. Had equipment calibration prior to use.

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 3758-R
DA LABEL 80
TB 43-180
TB 750-25

Related

Submit Equipment Improvement Recommendation (EIR)**093-SSG-3005**

Conditions: You have found a better way to repair a piece of electronic equipment. Submit an equipment improvement recommendation (EIR), given the following items AR 672-20, DA Pam 738-750, DD Form 173/1, and SF 368. This task can be performed in a field or garrison environment.

Standards: Prepared the appropriate report forms for a recommended equipment improvement and checked AR 672-20 to see if the EIR qualified as a suggestion.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Suggested a method to improve the performance and /or maintenance of equipment. | — | — |
| a. A condition in or with the equipment, which is dangerous to people, other equipment, or the mission. | | |
| b. An item or piece of equipment that does not work right or last as long as it should because of bad design or materials. | | |
| c. Items that are not within the approved equipment specifications. | | |
| d. Low-quality workmanship. | | |
| e. Dangerous situations due to incorrect or missing data. | | |
| f. Maintenance problems. | | |
| g. Conditions that prevent using the equipment. | | |
| h. Repeated problems that take a lot of time with no solution in sight. | | |
| i. Problems requested to be reported by the National Maintenance Point (NMP). | | |
| 2. Identified Category I improvements. | — | — |
| a. That prevents death, injury, or severe job illness. | | |
| b. That prevents loss or major damage to equipment. | | |
| c. Improvements that would affect the combat readiness capabilities of the unit. | | |
| 3. Sent in a Category I equipment improvement recommendation. | — | — |
| a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11. | | |
| b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11 (may be phoned in). | | |
| c. Sent a message within 48 hours after defect or problem was found. | | |
| d. Kept one copy of the SF 368 until the case is closed by the Army screening point. | | |
| e. Sent one copy of the SF 368 to the support maintenance activity. | | |
| 4. Identified Category II recommendation (a recommendation that does not meet the criteria of a Category I equipment improvement recommendation). | — | — |
| 5. Sent in a Category II deficiency report. | — | — |
| a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11. | | |
| b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11 (May be phoned in). | | |
| c. Sent a message within 5 days after defect or problem was found. | | |
| d. Kept one copy of the SF 368 until the case is closed by the Army screening point. | | |
| e. Sent one copy of the SF 368 to the support maintenance activity. | | |
| 6. Checked AR 672-20 to see if the EIR qualified as a suggestion. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

AR 672-20
DA PAM 738-750
DD FORM 173/1
SF 368

Related

DA PAM 738-751

Direct Performance of Preventive Maintenance
093-SSG-3007

Conditions: Perform this task given personnel to perform preventive maintenance, DA Form 2408-14, DA Form 2404 or DA Form 5988-E, DD Form 314, DA Pam 738-750, DA Pam 738-751, and Vehicle -10 series technical manuals. This task can be performed in a field or garrison environment.

NOTE: All the information from DA Form 2408-14 is now included in DA Form 5988-E.

Standards: Performed all preventive maintenance checks and services (PMCS) according to the applicable -10 series technical manuals. Completed DA Form 2404 or DA Form 5988-E, DA Form 2408-14, and DD Form 314 according to DA Pam 738-750 or DA Pam 738-751.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Coordinated with the motor pool section before performing section/shop vehicle preventive maintenance checks and services (PMCS). | — | — |
| 2. Reviewed the DD Form 314 and the applicable -10 series technical manuals to conduct weekly vehicle PMCS. | — | — |
| 3. Identified hazards to the environment before starting preventive maintenance. | — | — |
| 4. Assigned jobs and ensured that repairers knew what PMCS must be performed. | — | — |
| 5. Spot-checked the work being performed and ensured that the repairers were using the applicable technical manuals. | — | — |
| 6. Assessed the probability of environmental damage/violations using environmental risk-assessment matrices during preventive maintenance. | — | — |
| 7. Spot-checked corrective actions taken for all defects listed on DA Form 2404. | — | — |
| 8. Coordinated with the maintenance sergeant to repair vehicles requiring services beyond the driver's responsibility. | — | — |
| a. Ensured the repairer placed a drip pan under any equipment leaking fluids onto the ground. | | |
| b. Made sure parts for repair, which were not available, were entered on DA Form 5988-E or DA Form 2408-14. | | |
| 9. Checked the DD Form 314 for correctness. | — | — |
| 10. Reported vehicle statuses to section/shop supervisor. | — | — |
| 11. Briefed the chain of command on any observed environmental potential high-risk areas during preventive maintenance. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 2404
DA FORM 2408-14
DA FORM 5988-E
DA PAM 738-750
DA PAM 738-751

Related

AR 200-1
DA PAM 200-1
FM 4-30.3
TC 3-34.489

References

Required
DD FORM 314

Related

**Write a Standing Operating Procedure (SOP)
093-SSG-3011**

Conditions: Given the unit's old standing operating procedure (SOP), AR 750-1, DA Pam 600-67, FM 4-30.3 (FM 9-43-1), FM 24-16, FM 101-5, and TC 43-4. This task can be performed in a field or garrison environment.

Standards: Wrote a standing operating procedure (SOP) that was reviewed by the supervisor/commander and approved by the commander/supervisor. Implemented all recommended changes.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Developed a basic SOP format to ensure it met organization's/element's specific needs and/or requirements for the maintenance facility: <ul style="list-style-type: none"> a. Purpose statement. b. Scope statement. c. Organization statement. d. Conformity statement. e. References. f. Annex (es). | — | — |
| 2. Included guidance in the SOP on the following as they pertained only to the maintenance facility: <ul style="list-style-type: none"> a. Personnel administration. b. Security. c. Security and intelligence. d. Area security. e. Physical security of weapons and property. f. Safety program. g. Maintenance operations. h. Management of Hand receipts. i. Standard warnings. j. Alert procedures. k. Nuclear, biological, and chemical (NBC) warfare. l. Defense against nuclear attack. m. Logistics. n. Motor pool operations. o. Motor movement and traffic control. p. Tactical operations. | — | — |
| 3. Ensured that all references used were current. | — | — |
| 4. Staffed the draft through the supervisor/commander. | — | — |
| 5. Implemented any approved SOP changes. | — | — |
| 6. Had the final version of the SOP signed by the supervisor/commander. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References
Required
 AR 750-1
 DA PAM 600-67

Related

References

- Required**
- FM 101-5
- FM 24-16
- FM 4-30.3
- TC 43-4

Related

**Maintain Property Accountability
093-SSG-3013**

Conditions: Perform this task given a quarterly reviewed of all hand receipts with hand-receipt holders in the maintenance section/shop, issued new equipment, and tagged unserviceable equipment for turn-in; AR 25-400-2, AR 710-2, DA Form 2062, DA Pam 710-2-1, Hand receipts, applicable equipment, and applicable technical manuals. This task can be performed in a field or garrison environment.

Standards: Issued supplies and equipment to hand-receipt holders while maintaining property and supply accountability.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Notified hand-receipt holders of quarterly inventory. | — | — |
| 2. Reviewed file copies of all hand receipts and signature cards for each maintenance section/shop. | — | — |
| 3. Assembled all new equipment to be issued into separate groups for issuing to hand-receipt holders during the quarterly inventory. | — | — |
| 4. Issued new equipment to hand-receipt holders before inventorying. | — | — |
| 5. Inventoried hand-receipts. | — | — |
| 6. Updated each hand-receipt holder's equipment shortage list as needed. | — | — |
| 7. Ensured that only authorized personnel on the hand-receipt holder signature card signed the hand receipt. | — | — |
| 8. Ensured that all forms were filled out correctly. | — | — |
| 9. Filed hand receipts in appropriate hand-receipt holder files. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

- AR 25-400-2
- AR 710-2
- DA FORM 2062
- DA PAM 710-2-1

Related

**Assess Battlefield Damage
093-SSG-3014**

Conditions: Supervise the performance of an organizational maintenance team or a direct support maintenance support team (MST) performing Battlefield Assessment given a disabled vehicle or equipment, repairers to assess the equipment, applicable technical manuals -10, -20, -30, repair parts manuals, tool kits, DA Form 2404 or DA Form 5988-E, DA Form 2407 or DA Form 5990-E, DA Pam 738-750, DA Pam 738-751, DD Form 1577, DD Form 1577-1, DD Form 1577-2, DD Form 1577-3, FM 4-30.3 (FM 9-43-1), and FM 9-43-2. This task can be performed in a field or garrison environment.

Standards: Supervised the organizational maintenance team or direct support maintenance support team (MST) that identifies and performs repairs needed to restore a disable piece of equipment to the minimum essential combat capabilities necessary to support a specific combat mission or to enable the equipment to self-recover. Completed all required paper work according to DA Pam 738-750, DA Pam 738-751, FM 4-30.3 (FM 9-43-1), and FM 9-43-2.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Briefed the organizational maintenance team or direct support maintenance support team (MST) on the upcoming mission to assess battlefield damage: <ul style="list-style-type: none"> a. Identified point of contact at unit/site. b. Identified the equipment was to be assessed for battlefield damage. c. Identified the equipment was needed for the upcoming mission. d. Explained Logistics support. e. Planned primary and secondary routes to unit. f. Ensured team received a copy of supported units' radio frequencies and call signs. | — | — |
| 2. Monitored assigned personnel to the team according to their qualifications and availability to meet the mission needs. | — | — |
| 3. Arranged for transportation to the site. | — | — |
| 4. Ensured that the proper battlefield assessment procedures were followed: <ul style="list-style-type: none"> a. Reviewed the operator/crew assessment and the safety checks made. b. Interviewed the operator/crew if available. c. Conducted visual inspection. d. Performed self-test. e. Tested equipment with the organizational/direct support maintenance equipment. | — | — |
| 5. Ensured that maintenance support team (MST) provided technical assistance to the organizational maintenance team as required. | — | — |
| 6. Ensured that maintenance support team (MST) prioritized repairs according to battlefield damage time guidelines. | — | — |
| 7. Ensured that all required maintenance forms were filled out correctly in accordance with DA Pam 738-750 and DA Pam 738-751: <ul style="list-style-type: none"> a. DA Form 2404 or DA Form 5988-E. b. DA Form 2407 or DA Form 5990-E. c. DD Form 1577. d. DD Form 1577-1 e. DD Form 1577-2 f. DD Form 1577-3 | — | — |
| 8. Ensured a system assessment summary was filled out correctly and turned in. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References**Required**

DA FORM 2404
DA FORM 2407
DA FORM 5988-E
DA FORM 5990-E
DA PAM 738-750
DA PAM 738-751
DD FORM 1577
DD FORM 1577-1
DD FORM 1577-2
DD FORM 1577-3
FM 4-30.3

Related

FM 4-30.3
TM 750-245-4

**Monitor Bench Stock Operations
093-SSG-3016**

Conditions: Perform this task given AR 710-2, DA Pam 710-2-2, and a copy of FEDLOG discs. This task can be performed in a field or garrison environment.

Standards: Maintained bench stock in according with AR 710-2 and DA Pam 710-2-2.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Ensured that the bench stock was made up of low-cost expendable items. | — | — |
| 2. Ensured that the bench stock was stored near the work area. | — | — |
| 3. Ensured that bench stock replenishment tags and lists were maintained with the bench stock. | — | — |
| 4. Ensured that bench stock was ordered on a prescribed schedule or as needed. | — | — |
| 5. Ensured that the bench stock was ordered under the correct Urgency of Need Designator (UND). | — | — |
| 6. Ensured that the bench stock was reviewed semiannually. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

- References**
- Required**
 - AR 710-2
 - DA PAM 710-2-2
 - FEDLOG

Related

**Monitor Shop Stock Operations
093-SSG-3017**

Conditions: Perform this task given a current copy of the shop stock list, AR 710-2, DA Pam 710-2-2, and a copy of FEDLOG discs. This task can be performed in a field or garrison environment.

Standards: Maintained the shop stock according to AR 710-2 and DA Pam 710-2-2.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Ensured repair parts and consumables listed on the shop stock met the criteria listed in AR 710-2 and DA Pam 710-2-2. | — | — |
| 2. Ensured each item was demand-supported. | — | — |
| 3. Ensured stockage levels were developed in accordance with DA Pam 710-2-2. | — | — |
| 4. Ensured excess stocks were turned in within 10 days of review. | — | — |
| 5. Ensured replenishment of stock was based on the reorder point (ROP). | — | — |
| 6. Ensured controlled cryptographic item (CCI) repair parts required by Communications Security (COMSEC) maintenance activities for diagnostic purpose were hand receipted on temporary loan. | — | — |
| 7. Ensured the shop stock was inventoried during the scheduled review period. | — | — |
| 8. Ensured the shop stock list was signed by the unit commander and submitted to the supply support activity (SSA). | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

- References**
- Required**
 - AR 710-2
 - DA PAM 710-2-2
 - FEDLOG

Related

**Inspect Maintenance Support Team Operations
093-SSG-3019**

Conditions: Perform this task given the necessary personnel to perform an electronic/avionics maintenance support team operation, DA Pam 611-21, DA Pam 738-750, DA Pam 738-751, and FM 4-30.3 (FM 9-43-1). This task can be performed in a field or garrison environment.

Standards: Ensured the correct military occupational specialty holders are assigned to a support team, briefed, and provided with transportation.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Monitored assigned personnel according to their qualifications and availability. | — | — |
| 2. Arranged for transportation to the site. | — | — |
| 3. Briefed the support team on mission requirements. | — | — |
| a. Identified point of contact at unit. | | |
| b. Identified equipment needed for the support mission. | | |
| c. Explained logistics support. | | |
| d. Planned primary and secondary routes to unit. | | |
| e. Ensured team received a copy of supported units' radio frequencies and call signs. | | |
| 4. Provided technical assistance to the support team as required. | — | — |
| 5. Ensured that all maintenance forms were filled out correctly. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA PAM 611-21
DA PAM 738-750
DA PAM 738-751
FM 4-30.3

Related

FM 3-25.26
STP 21-1-SMCT
STP 21-24-SMCT

**Inspect Maintenance Reporting and Management Data
093-SSG-3020**

Conditions: As a senior repairer, one of your responsibilities is to inspect the paperwork used in an electronic/avionics maintenance facility. You must inspect and manage all of the maintenance forms and records used in reporting the maintenance status for equipment repaired in the maintenance facility. The following forms, records and publications will be available if needed for each piece of equipment job-ordered: DA Form 2402, DA Form 2404, DA Form 2405, DA Form 2407, DA Form 2407-1, DA Form 2408-12, DA Form 2408-13, DA Form 2408-13-1, DA Form 2410, DD Form 1574, DD Form 1574-1, DD Form 1575, DD Form 1575-1, DD Form 1576, DD Form 1576-1, DD Form 1577, DD Form 1577-1, DD Form 1577-2, DD Form 1577-3, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Inspected the electronic/avionics maintenance forms and records for errors and forms missing from the job packets.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Located closed-out and active job order packets within the electronic/avionics maintenance facility. | — | — |
| 2. Matched all job-ordered equipment serial numbers with closed-out and active job packets within the electronic/avionics maintenance facility. | — | — |
| 3. Ensured that all required forms and records were in the job order packets. | — | — |
| 4. Verified all forms and records within the job packets were properly completed. | — | — |
| 5. Ensured that all discrepancies had been corrected. | — | — |
| 6. Ensured that all forms and reports were distributed or filed in accordance with Department of Army Pamphlets and Army Regulations. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

| Required | Related |
|-------------------|----------------|
| DA FORM 2402 | FM 4-30.3 |
| DA FORM 2404 | TM 38-L09-11 |
| DA FORM 2405 | |
| DA FORM 2407 | |
| DA FORM 2407-1 | |
| DA FORM 2408-12 | |
| DA FORM 2408-13 | |
| DA FORM 2408-13-1 | |
| DA FORM 2410 | |
| DA PAM 738-750 | |
| DA PAM 738-751 | |
| DD FORM 1574 | |
| DD FORM 1574-1 | |
| DD FORM 1575 | |
| DD FORM 1575-1 | |
| DD FORM 1576 | |
| DD FORM 1576-1 | |
| DD FORM 1577 | |

References

- Required**
- DD FORM 1577-1
- DD FORM 1577-2
- DD FORM 1577-3

Related

**Review SAMS-1 Reports
093-SSG-3021**

Conditions: Perform this task given SAMS-1 system installed, completed set of required SAMS-1 reports and forms, AISM 25-L21-AHN-ZZZ-EM, DA Pam 738-750, DA Pam 738-751, and FM 4-30.3 (FM 9-43-1). This task can be performed in a field or garrison environment.

NOTE: This task may be performed in an NBC environment.

Standards: Reviewed all required SAMS-1 reports and forms and corrected discrepancies according to AISM 25-L21-AHN-ZZZ-EM and DA Pam 738-750 or DA Pam 738-751. Filed all reports properly and forwarded copies as required.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Ensured that all required SAMS-1 reports and forms required for electronic/avionics maintenance operations were being used. | — | — |
| 2. Reviewed new copies of all SAMS-1 reports and forms needed to run the electronic/avionics maintenance operations. | — | — |
| 3. Compared the previous SAMS-1 reports and forms with the newly printed reports and forms for discrepancies. | — | — |
| 4. Reviewed the new SAMS-1 reports and forms for discrepancies. | — | — |
| 5. Ensured that all discrepancies were corrected. | — | — |
| 6. Ensured that all SAMS-1 reports and forms were distributed or filed in accordance with Army regulations. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

AISM 25-L21-AHN-ZZZ-EM
DA PAM 738-750
DA PAM 738-751
FM 4-30.3

Related

Skill Level 4

Subject Area 9: Maintenance Management II

**Direct Support Maintenance on the Dragon Weapon System and Associated Test Equipment
093-27E-4083**

Conditions: Perform this task given the following: DA Form 2407, DA Form 3999-4 (Maintenance Work Request Envelope) and all required maintenance forms, SU-36/P and AN/TAS-5 and all components of the Dragon Medium Anti Tank Assault Weapon System, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM's 9-1425-484-24, TM 9-6920-484-12, TM 9-4935-484-14 AN/TSM-114, OQ-278/TSM-114, Test Adapter MX-10078/G, DA Pam 738-750, and TM 9-243 Use and Care of Hand Tools and Measuring Tools.

Standards: Support maintenance on the Dragon weapon system and associated test equipment was supervised and all safety precautions were enforced according to the field manuals and the applicable technical manuals. Ensured the proper use of tools according to TM 9-243. Monitored the proper use of maintenance forms according to DA Pam 738-750.

Performance Measures

Briefed the repairers on the hazards associated with electronic equipment before the start of test procedures.

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Ensured that the Maintenance Work Request Envelopes were available with the proper forms. | ___ | ___ |
| 2. Reviewed the forms for correctness. | ___ | ___ |
| 3. Assigned the repair work priorities. | ___ | ___ |
| 4. Checked the jobs in progress to ensure that the reported malfunctions were verified before repair. | ___ | ___ |
| 5. Checked the repairers' fault isolation procedures for compliance with the technical manual. | ___ | ___ |
| 6. Checked the repairers for the proper use of tools. | ___ | ___ |
| 7. Ensured that adequate supervision was being provided to the repairers. | ___ | ___ |
| 8. Made on-the-spot corrections of any discrepancies found. | ___ | ___ |
| 9. Checked the work areas for safety violations. | ___ | ___ |
| 10. Performed final checks of all maintenance procedures. | ___ | ___ |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

Required

- DA FORM 2407
- DA FORM 3999-4
- DA PAM 738-750
- TM 9-1425-484-24
- TM 9-243
- TM 9-4935-484-14

Related

References

Required

TM 9-6920-484-12

Related

**Direct Support Maintenance on the TOW Weapon System and Associated Equipment
093-27E-4084**

Conditions: Perform this task given the following: DA Form 2407, DA Form 3999-4 (Maintenance Work Request Envelope) and all required maintenance forms, M220A2 TOW Weapon System, and all diagnostic test equipment. Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM's 9-4935-452-14 AN/TSM-140A/B, 9-1425-450-34-1 TOW 2 Weapon System, TM 9-5855-247-24, DA Pam 738-750, TM 9-243 Use and Care of Hand Tools and Measuring Tools.

Standards: Support maintenance on the TOW weapon system and associated test equipment was supervised and all safety precautions were enforced according to the field manuals and the applicable technical manuals. Ensured the proper use of tools according to TM 9-243. Monitored the proper use of maintenance forms according to DA Pam 738-750.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| Briefed the repairers on the hazards associated with electronic equipment before the start of test procedures. | | |
| 1. Ensured that the envelope contained the proper forms. | — | — |
| 2. Checked the maintenance forms for correctness. | — | — |
| 3. Assigned the repair work priorities. | — | — |
| 4. Checked the jobs in progress to ensure that the reported malfunctions were verified before repair. | — | — |
| 5. Checked repairers' fault isolation procedures for compliance with the technical manuals. | — | — |
| 6. Ensured that the proper tools were being used. | — | — |
| 7. Provided adequate supervision to the repairers. | — | — |
| 8. Made on-the-spot corrections of any discrepancies found. | — | — |
| 9. Checked the work areas for safety violations. | — | — |
| 10. Performed final checks of all maintenance forms. | — | — |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

| Required | Related |
|--------------------|----------------|
| DA FORM 2407 | |
| DA FORM 3999-4 | |
| DA PAM 738-750 | |
| TM 9-1425-450-34-1 | |
| TM 9-243 | |
| TM 9-4935-452-14 | |
| TM 9-5855-247-24 | |

**Direct Support Maintenance on the TOW Field Test Set (TFTS) and Associated Test Equipment
093-27E-4086**

Conditions: Perform this task given the following: DA Form 2407, DA Pam 738-750, DA Form 3999-4 (Maintenance Work Request Envelope) with required maintenance forms, M220A2 TOW Weapon System, AN/ TSM-140A/B TOW Field Test Set, complete, Land Combat Electronic Missile System Repairer with Guided Missile Maintenance Tool Kit, TM's 9-1425-450-34-1 TOW 2 Weapon System, 9-4935-452-14 AN/TSM-140A/B, Basic TOW/TOW 2 Weapon System, 9-1425-451-34 TOW 2 Weapon System, AN/TSM-14B, and 9-243 Use and Care of Hand Tools and Measuring Tools.

Standards: Support maintenance on the TFTS, AN/TSM-140A/B and associated test equipment was supervised and all safety precautions were enforced according to the field manuals and the applicable technical manuals. Ensured the proper use of tools according to TM 9-243. Monitored the proper use of maintenance forms according to DA Pam 738-750.

Performance Measures

Briefed the repairers on the hazards associated with electronic equipment before the start of test procedures.

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Ensured that all maintenance forms were available. | ___ | ___ |
| 2. Checked the forms for correctness. | ___ | ___ |
| 3. Assigned the repair work priorities. | ___ | ___ |
| 4. Checked the jobs in progress to ensure that the reported malfunctions were verified before repair. | ___ | ___ |
| 5. Checked the repairers' fault isolation procedures for compliance with the technical manual. | ___ | ___ |
| 6. Checked for the proper use of tools. | ___ | ___ |
| 7. Ensured that adequate supervision was being provided to the repairers. | ___ | ___ |
| 8. Made on-the-spot corrections of any discrepancies found. | ___ | ___ |
| 9. Checked the work areas for safety violations. | ___ | ___ |
| 10. Performed the final checks of all maintenance forms. | ___ | ___ |

Evaluation Guidance: Score the soldier Go if all performance measures are passed (P). Score the soldier no-go if any performance measure is failed (F). If the soldier fails any performance measure, show what was done wrong and how to do it correctly.

References

| Required | Related |
|--------------------|----------------|
| DA FORM 2407 | |
| DA FORM 3999-4 | |
| DA PAM 738-750 | |
| TM 9-1425-450-34-1 | |
| TM 9-1425-451-34 | |
| TM 9-243 | |
| TM 9-4935-452-14 | |

**Manage a Shop Security Program
093-SFC-4101**

Conditions: Given local standing operating procedures (SOP), pencil or pen, AR 190-13, AR 190-51, AR 380-19, AR 530-1, and FM 3-19.30. This task can be performed in a field or garrison environment.

Standards: Review shop security program and make any required corrective action in accordance with required references.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Enforced Physical Security | — | — |
| a. Determined shop's mission essential or vulnerable areas (MEVA). (AR 190-13, SOP) | | |
| b. Determined minimum-security standard. (AR 190-51) | | |
| c. Identified physical and procedural measures in shop security program. (FM 3-19.30) | | |
| d. Evaluated physical and procedural measures needed to maintain minimum security standard. (FM 3-19.30) | | |
| e. Implemented needed changes to shop security program. (AR 190-51) | | |
| 2. Enforced Information System Security (INFOSEC). (AR 380-19, SOP) | — | — |
| a. Identified need for INFOSEC. | | |
| b. Identified threat to information systems. | | |
| c. Identified malicious logic and how it enters into systems. | | |
| d. Identified differences in handling classified and unclassified information. | | |
| e. Identified roles and responsibilities. | | |
| 3. Implemented Operations Security (OPSEC) measures (AR 530-1, SOP) | — | — |
| a. Ensured compliance with regulatory guidance. | | |
| b. Demonstrated knowledge of OPSEC principles. | | |

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

References

Required

AR 190-13
AR 190-51
AR 380-19
AR 530-1
FM 3-19.30
SOP

Related

AR 380-15
AR 380-40
DA PAM 190-51
FM 4-30.3
SF 700
SF 702
TB 380-41

**Prepare input to Materiel Condition Status Report
093-SFC-4103**

Conditions: Given AR 220-1, AR 700-138, DA Form 2406, DA Form 3266-1, DA Form 3266-2-R, DA Pam 738-750, paper, and pencil or pen. You also have access to data from DA Form 5986-E and DA Form 5990-E or equivalent (DD Form 314, DA Form 2407). This task can be performed in a field or garrison environment.

Standards: Prepare the Materiel Status Report correctly using 700-138.

Performance Measures

GO NO GO

- | | |
|--|-------------------|
| <ol style="list-style-type: none"> 1. Prepared input to DA Form 2406 (Materiel Condition Status Reports) <ol style="list-style-type: none"> a. Completed blocks 1 through 8. (Refer to AR 700-138) b. Completed column 9a through 9e(3)(b). (Refer to AR 700-138 and maintenance forms) c. Completed columns 9f(l) through 9f(5) as locally prescribed. d. Completed block 10 as locally required. e. Completed block 11 (REMARKS) as required. f. Submitted for commander's signature. g. Completed block 12(b). | <p>—</p> <p>—</p> |
|--|-------------------|

NOTE: Ensure the date the report is signed is entered.

- | | |
|---|-------------------|
| <ol style="list-style-type: none"> 2. Prepared input to DA Form 3266-1 (Army Missile Materiel Readiness Report) <ol style="list-style-type: none"> a. Entered applicable system operational data in Part 1. (Refer to AR 700-138) b. Entered data on missile equipment that was NMC during the reporting period in Part 2. c. Entered data on missile equipment that was NMC at the close of the reporting period in Part 3. d. Reviewed the form and corrected any errors. e. Submitted the completed DA Form 3266-1 to the correct agency. | <p>—</p> <p>—</p> |
|---|-------------------|

NOTE: This step is only performed in units performing missile maintenance.

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

References

Required

- AR 220-1
- AR 700-138
- DA FORM 2406
- DA FORM 3266-1
- DA FORM 3266-2-R
- DA PAM 738-750

Related

- DA FORM 2407
- DD FORM 314

**Manage SAMS-1 System Administration
093-SFC-4104**

Conditions: Given SAMS-1 end user manual, local SOP, and TC 43-4. This task can be performed in a field or garrison environment.

Standards: Review SAMS-1 administrative procedures for compliance with SAMS-1 end user manual and take required corrective action.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Ensured the system access roster is current. (AISM 25-L21-AHN-ZZZ-EM, TC 43-4) | — | — |
| 2. Identified the SAMS-1 system senior operator. | — | — |
| 3. Identified the SAMS-1 problem reporting procedures. | — | — |
| 4. Identified SAMS-1 data backup procedures. | — | — |
| 5. Ensured the shop/personnel database is current. | — | — |

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

References

Required

AISM 25-L21-AHN-ZZZ-EM
SOP
TC 43-4

Related

AR 380-19
DA PAM 25-1-1
DA PAM 738-750

Manage Hand Receipt Functions
093-SFC-4105

Conditions: Given local SOP, pencil and paper, AR 25-400-2, AR 735-5, DA Form 2062, DA Form 25-30, DA Pam 25-380-2, DA Pam 710-2-1, TB 380-41, and commander's guidance. This task can be performed in a field or garrison environment.

Standards: Attain 100% accountability IAW DA Pam 710-2-1.

Performance Steps

1. Prepare for inventory. Review the hand receipt (HR) before beginning the inventory to see the type of items to be inventoried. If unfamiliar with the type of equipment, select personnel to assist in the inventory. Check with the commander/supervisor for any special instructions before starting the inventory. Review DA Pam 25-30 to ensure the most current supply catalogs, component lists, technical manuals, and other related publications are used during the inventory. In the event the most current publications are not on hand, they will be placed on order. The inventory will be conducted with the references on hand and a memorandum will be prepared stating the procedures used for the inventory if applicable. Verify facilities and space are available to conduct the inventory. Notify sub-hand receipt holders of when and how the inventory will be conducted.
2. Conduct inventory. Check all items to make sure their NSN, model, and their description on the HR match. Make a list of any differences. Visually check the condition of the property. Make a list of any damaged equipment. Report damaged equipment to unit maintenance personnel for repair. Ensure the on-hand quantity and quantity on the HR match. Make a list of any overages and shortages. Use the proper TM or SC to identify components of end items. Make a list of any overages and shortages. Serial numbers on the HR should match those on the item. All open maintenance requests must be checked with the supporting maintenance facility. Report any discrepancies to the accountable officer.
3. Conduct post-inventory procedures. Inform the commander of inventory results. Provide copy of all discrepancies discovered during the inventory to accountable officer. Make sure that component shortages are listed on HR shortage annexes. Request shortages not already on order. Turn in overages according to local procedures.
4. Sub-hand-receipt property to user. Appoint sub-hand receipt users. Prepare separate HR for installation and organizational property. Prepare DA Form 2062 or equivalent in two copies to sub-hand-receipt property. The original is kept by the person transferring the property, the copy is provided to the person receiving the property.
5. File HR according to AR 25-400-2. File HR and sub-hand receipt according to AR 25-400-2, as applicable.
6. Maintain HR and files. Regularly inventory property IAW applicable standard (e.g. monthly, quarterly, etc). Keep all copies of HR and sub-hand receipts current. Upon receipt of the current publication, conduct an inventory to determine any overages or shortages. Overages will be turned in. Shortages will be accounted for IAW DA Pam 710-2-1 or AR 735-5, as appropriate. Shortage of CCI/COMSEC items also requires the initiation of an insecurity report per DA Pam 25-380-2 or TB 380-41. Submit requests for issue to replace any shortages.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Prepared for inventory. (DA Pam 710-2-1) | — | — |
| 2. Conducted inventory. | — | — |
| 3. Performed post-inventory procedures. | — | — |

Performance Measures

GO **NO GO**

- | | | |
|---|---|---|
| 4. Sub-hand-receipted property to user. | — | — |
| 5. Filed HR IAW AR 25-400-2. | — | — |
| 6. Maintained HR and files. | — | — |

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

References

Required

- AR 25-400-2
- AR 735-5
- DA FORM 2062
- DA PAM 25-30
- DA PAM 25-380-2
- DA PAM 710-2-1
- SOP
- TB 380-41

Related

- AR 710-2
- DA FORM 2765-1
- DA FORM 3161

**Manage Maintenance Shop Operations
093-SFC-4106**

Conditions: Given local SOP, AR 710-2, DA Pam 710-2-2, DA Pam 738-750, FM 4-30.3, commander's guidance, and unit mission. This task can be performed in a field or garrison environment.

Standards: Accomplish all required maintenance tasks IAW procedures in required references.

Performance Steps

1. Review maintenance control procedures. Assign work to shop sections to keep all sections working at optimum capacity. Screen maintenance requests to determine appropriate level of maintenance. Screening may show that unit level maintenance has not been done or that evacuation of an item is needed. Keep abreast of the status and quantity of work in each section to prevent overload. Aggressively pursue repair parts, which are not readily available.
2. Review production control procedures. Production methods in a maintenance unit include the on-site, bay shop, bench shop, and production line methods. Select the most efficient method of repairing based on available equipment, facilities, and time. Ensure work order status files are maintained.
3. Review quality control procedures. Accurate initial, in-process, and final inspections are vital in maintaining efficient shop operations and ensuring quality repairs. Initial inspection is used to determine tools, personnel, parts, cost, etc, needed to accomplish repair. In-process inspections are performed by shop supervisory personnel to ensure work is being performed properly. Final inspections verify the adequacy of repairs and require a technical inspection of the item. Ensure production control procedures are current and valid.
4. Review workflow process. Work should be assigned to appropriate section and repair person based on MOS, technical ability, certification and/or training. Observe workflow to ensure item is assigned to appropriate section and repair person.
5. Review job evacuation procedures. Evacuation of backlogged maintenance requests may allow equipment to be repaired and returned to the using unit in a timelier manner. Determine evacuation decision based on initial inspection, current or projected workload, availability of tools/personnel, and required level of repair.
6. Review maintenance management tools and techniques. SAMS is the primary tool used for maintenance management. Analysis of maintenance printouts will reveal trends/situations, which require action. Examples of problems to watch out for are: significant increases in shop input, excessive number of jobs awaiting parts, and low production. Review submission of daily man-hour accounting and/or status changes as appropriate.
7. Review ORF procedures. ORF is a quantity of selected items authorized for stockage at maintenance facilities to extend their capabilities to respond to the material readiness requirements of supported units. This is done by providing supported activities with serviceable replacements from ORF when like items of equipment can not be repaired or modified in time to meet operational requirements. Ensure procedures are current and valid.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Enforced maintenance control procedures. (FM 4-30.3, DA Pam 738-750, SOP) | — | — |
| 2. Enforced production control procedures. | — | — |
| 3. Enforced quality control procedures. | — | — |
| 4. Controlled workflow process. | — | — |

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 5. Enforced job evacuation procedures. | — | — |
| 6. Reviewed maintenance management tools and techniques for trends/situations, which require action. | — | — |
| 7. Enforced ORF procedures. (AR 710-2, DA Pam 710-2-2, FM 4-30.3, SOP) | — | — |

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

References

Required

AR 710-2
 DA PAM 710-2-2
 DA PAM 738-750
 FM 4-30.3
 SOP

Related

AIMS 25-L21-AHN-ZZZ-EM
 AR 750-1
 DA PAM 710-2-1
 DA PAM 750-1
 TC 43-4

**Manage Logistics Support
093-SFC-4107**

Conditions: Given local SOP, AR 750-1, DA Pam 738-750, and FM 4-30.3. You also have access to the OPOD, Material Condition Status Report (MCSR), shop stock, bench stock, and SAM's reports. This task can be performed in a field or garrison environment.

Standards: Plan logistics support for maintenance operations that anticipate requirements for personnel, equipment, repair parts and the effective use of these resources.

Performance Steps

1. Identify support requirements. Review appropriate documents to identify requirements. These may include local SOPs, Prod's and others. Determine information such as: type/number of supported units, and type/number of supported equipment. If available, also review BDAR and material condition status reports.
2. Identify available resources. Identify the resources on hand and the resources already committed after the support requirements have been determined. Assets to consider include: personnel, parts, tools, TMDE, publications, and transport capabilities. Other assets to consider include: ORF, facilities, location of MSTs, UMCPs, MCPs, and recovery/evacuations capabilities.
3. Identify other considerations. Other intangibles must be considered when managing support. Other considerations include: command priorities, environmental impact, maintenance workload, exchange/cannibalization policy, weather/terrain conditions, security, safety, certifications/training, tactical situation, and OPTEMPO.
4. Allocate resources. Allocate and organize resources to provide needed support after considering all requirements, resources, and other considerations.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Identified support requirements. (AR 750-1, DA Pam 738-750, FM 4-30.3, SOP) | — | — |
| 2. Identified available resources. (FM 4-30.3, SOP) | — | — |
| 3. Identified other considerations. | — | — |
| 4. Allocated resources. | — | — |

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

References

| Required | Related |
|-----------------|----------------|
| AR 750-1 | FM 100-10 |
| DA PAM 738-750 | TB 385-4 |
| FM 4-30.3 | TC 43-4 |
| SOP | |

Manage Shop Personnel Actions
093-SFC-4108

Conditions: Given pencil or pen, paper, local SOP, AR 600-8-10, AR 600-8-19, AR 600-8-22, AR 623-205, AR 635-200, and FM 22-100. This task can be performed in a field or garrison environment.

Standards: Manage administrative and personnel actions that impact on shop personnel IAW applicable references.

Performance Steps

1. Review recommendation for advancement/promotion to determine eligibility.
2. Review request for Leave/Pass to maintain proper manning level.
3. Review an award recommendation for errors.
4. Review entries on personnel evaluations for errors.
5. Review entries on counseling forms for errors.
6. Identify requirements for administrative separations.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|--|-----------|--------------|
| 1. Reviewed recommendation for advancement/promotion to determine eligibility. (AR 600-8-19) | — | — |
| 2. Reviewed request for leave/pass to maintain proper manning level. (AR 600-8-10) | — | — |
| 3. Reviewed an award recommendation for errors. (AR 600-8-22) | — | — |
| 4. Reviewed entries on personnel evaluations for errors. (AR 623-205) | — | — |
| 5. Reviewed entries on counseling forms for errors. (FM 22-100) | — | — |
| 6. Identified requirements for administrative separations. (AR 635-200) | — | — |

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

References

Required
AR 600-8-10
AR 600-8-19
AR 600-8-22
AR 623-205
AR 635-200
FM 22-100
SOP

Related
AR 220-45
AR 25-50
DA FORM 638

**Review SAMS-2 Reports
093-SFC-4109**

Conditions: Given commander's intent, local SOP, SAMS-2 end user manual, SAMS-2 reports, and TC 43-4. This task can be performed in a field or garrison environment.

Standards: Determine if maintenance performance is within unit's acceptable range of performance.

NOTE: Unit's acceptable range of performance can be found in the unit SOP and/or commander's intent.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Identified reportable and maintenance significant items. (AISM 25-L26-AHO-ZZZ-EM, TC 43-4, SOP) | — | — |
| 2. Identified work orders that are more than thirty days old. | — | — |
| 3. Identified maintenance turnaround time in days by unit/activity. | — | — |
| 4. Identified Operational Readiness Float (ORF) monthly usage and accumulation. | — | — |

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

References

Required

AISM 25-L26-AHO-ZZZ-EM
SOP
TC 43-4

Related

AISM 25-L21-AHN-ZZZ-EM

Conduct Site Reconnaissance
093-SFC-4110

Conditions: Given pencil or pen, paper, lensatic compass, protractor, local SOP, FM 4-30.3, OPORD/OPLAN, map(s) of the surrounding area, stakes or other marking material, and vehicle. This task can be performed in a field environment.

Standards: Select a satisfactory site and mark it IAW FM 4-3-.3, local SOP, and applicable references.

Performance Steps

1. Review site reconnaissance requirements. FM 4-30.3, SOP
 - a. Specific requirements for the site are contained in the mission OPORD/OPLAN. Ensure you take note of personnel, equipment, and logistics requirements when preparing for site selection.
 - b. Review local SOP for unit-specific requirements for the site.
2. Select potential site(s) by map reconnaissance. Consider the following areas as a minimum:
 - a. Observation and fields of fire.
 - b. Concealment and cover.
 - c. Obstacles.
 - d. Key terrain.
 - e. Avenues of approach.
3. Evaluate potential site(s) by physical reconnaissance. Evaluation of potential sites must include at a minimum:
 - a. Accessibility. Can the site be reached regardless of the weather or time of year? What must travel the roads/paths? What is the condition of these roads/paths?
 - b. Terrain. Is the site relatively flat and well drained?
 - c. Camouflage/concealment. Does the potential site provide adequate camouflage and concealment?
 - d. Survivability. Can the potential site be adequately defended in case of attack?
 - e. Technical suitability. Is the site location within the range, capabilities, and limitations of the equipment to be deployed?
4. Review marking requirements. Once the best site is selected, the site will be marked for location of equipment and control points. Mark the site IAW local SOP and availability of materials.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|---|-----------|--------------|
| 1. Determined specific site requirements. (FM 4-30.3, SOP, OPORD/OPLAN) | — | — |
| a. Personnel. | | |
| b. Equipment. | | |
| c. Logistics. | | |
| 2. Selected potential site(s) by using map reconnaissance. | — | — |
| a. Identified potential sites. | | |
| b. Identified routes to potential sites. | | |
| c. Listed best possible candidate sites/routes. | | |
| 3. Evaluated site and route suitability by using physical reconnaissance. | — | — |
| a. Accessibility. | | |
| b. Terrain. | | |
| c. Camouflage/concealment. | | |
| d. Technical suitability. | | |
| NOTE: Drive or ride to selected site. | | |
| 4. Staked or marked locations for the equipment that pertains to your unit. | — | — |

Performance Measures**GO** **NO GO**

- a. Tents.
- b. Vehicles.
- c. Generators.
- d. Fuel point.
- e. Fire points.
- f. Other points.

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

References**Required**

FM 4-30.3
SOP

Related

STP 21-1-SMCT
STP 21-24-SMCT

**Coordinate Activities between Production Control and Supply Support Activity
093-SFC-4111**

Conditions: Given AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, and FM 4-30.3. This task can be performed in a field or garrison environment.

Standards: Account for repair parts IAW AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, and FM 4-30.3.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Reconciled the movement of parts between production control and supply support activity. (AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, and FM 4-30.3) | — | — |
| 2. Reconciled the movement of repairable exchange (RX) items between production control and RX. | — | — |
| 3. Reconciled reports from production control and shop supply. | — | — |

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

References

Required

- AR 710-2
- DA PAM 710-2-1
- DA PAM 710-2-2
- FM 4-30.3

Related

**Manage Shop Supply Operations
093-SFC-4112**

Conditions: Given AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, and FM 4-30.3 and DA Form 4569 or equivalent (DA Form 2064, DA Form 3318). This task can be performed in a field or garrison environment.

Standards: Maintain shop supply IAW AR 710-2 and DA Pam 710-2-2.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|--|------------------|---------------------|
| 1. Monitored shop stock operations. (AR 710-2, DA Pam 710-2-1, FM 4-30.3) | — | — |
| 2. Checked the shop stock for the following: | — | — |
| a. List of items stocked | | |
| b. Reorder point (ROP) | | |
| c. Location | | |
| 3. Checked the demand supported shop stock records for the number of records within the control period and other considerations. | — | — |
| 4. Ensured that the demands on the DA Form 3318 and those listed on the DA Form 2064 match. | — | — |
| 5. Compared the physical location with the location listed on the DA Form 3318. | — | — |

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

References

Required

AR 710-2
DA FORM 4569
DA PAM 710-2-1
DA PAM 710-2-2
FM 4-30.3

Related

DA FORM 2064
DA FORM 3318
DA PAM 738-750

Provide Liaison to Supported Units
093-SFC-4113

Conditions: Given AR 750-1, DA Pam 738-750, FM 4-30.3, and direct support (DS) maintenance standard operating procedures (SOP). This task can be performed in a field or garrison environment.

Standards: Provide liaison support IAW FM 4-30.3 and SOP.

| Performance Measures | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Issued external SOP to supported unit. (FM 4-30.3, SOP, AR 750-1, DA Pam 738-750, SOP) | — | — |
| 2. Coordinated on-site maintenance training. | — | — |
| 3. Identified and coordinated required support maintenance. <ul style="list-style-type: none"> a. Scheduled b. Unscheduled c. Special (CIP, Gunnery, Training Centers, etc.) | — | — |
| 4. Provided supported unit updated status of open work requests. | — | — |

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

References

Required

- AR 750-1
- DA PAM 738-750
- FM 4-30.3
- SOP

Related

**Manage Operational Readiness Float (ORF) Transactions
093-SFC-4114**

Conditions: Given AR 710-2, AR 750-1, DA Pam 710-2-2, local SOP, maintenance records, ORF equipment, and applicable technical manuals. This task can be performed in a field or garrison environment.

Standards: Maintain and issue ORF equipment in accordance with required references.

Performance Measures

| | <u>GO</u> | <u>NO GO</u> |
|---|------------------|---------------------|
| 1. Maintained ORF equipment. (AR 750-1, AR 710-2) | — | — |
| a. Ensured that ORF assets are maintained at 10/20 maintenance standard. | | |
| b. Directed the repair of unserviceable ORF assets. | | |
| c. Used highest appropriate priority designator for items being repaired for return to ORF stock. | | |
| d. Ensured that appropriate service and maintenance forms are completed. | | |
| 2. Coordinated transactions of ORF equipment. (AR 710-2, DA Pam 710-2-2, SOP) | — | — |
| a. Accounted for ORF assets per AR 710-2 & DA Pam 710-2-2. | | |
| b. Issued assets when priority designator and estimated repair time met established criteria. | | |
| c. Ensured ORF items are exchanged on a one-for-one basis. | | |
| d. Coordinated with supported unit as required. | | |
| e. Ensured that all supply and maintenance forms are completed. | | |

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

References

Required

- AR 710-2
- AR 750-1
- DA PAM 710-2-2
- SOP

Related

- AR 710-1
- DA FORM 2404
- DA FORM 2407
- DA PAM 710-2-1
- DA PAM 738-750
- DA PAM 750-1
- FM 4-30.3

APPENDIX A - HANDS-ON EVALUATION (DA FORM 5164-R) INSTRUCTIONS**HANDS-ON EVALUATION (DA FORM 5164-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)**

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 copy of DA Form 5164-R, which you may locally reproduce on 8 ½" 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 the 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 passes (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.

APPENDIX B - FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R)**FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)**

DA Form 5165-R (Field Expedient Squad Book) allows the trainer to keep a record of task proficiency for a group of soldiers.

Before evaluation:

1. Obtain a blank copy of DA Form 5165-R, which you may locally reproduce on 8 ½" x 11" paper.
2. Locally reproduce the partially completed form if you are evaluating more than nine soldiers.

During evaluation:

1. Enter the names of the soldiers you are evaluating, one name per column, at the top of the form.
2. Under STATUS, record (in pencil) the date in the GO block if the soldier demonstrated task proficiency to soldier's manual standards. Keep this information current by always recording the most recent date on which the soldier demonstrated task proficiency. Record the date in the NO-GO block if the soldier failed to demonstrate task proficiency to soldier's manual standards. Soldiers who failed to perform the task should be retrained and reevaluated until they can meet the standards. When the standards are met, enter the date in the appropriate GO block and erase the previous entry from the NO-GO block.

After evaluation:

1. Read down each column (GO/NO-GO) to determine the training status of an individual. This will give you a quick indication of which tasks a soldier need training on.
2. Read across the rows for each task to determine the training status of all soldiers. You can readily see which tasks to focus training on.
3. Line through the STATUS column of any soldier who leaves the unit.

GLOSSARY

| | |
|------------------------------------|--|
| AC | Active Component |
| ACCP | Army Correspondence Course Program |
| Additional skill identifier | Identifies specialized skills that are closely related to, but are in addition to, those required by MOS or SSI. Specialized skills identified by the ASI include operation and maintenance of specific weapons systems and equipment, administrative type systems 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. |
| ANCOC | A course for soldiers in grade E6 that provides training in the duties of grade E7 noncommissioned officers, along with other duties and positions of greater responsibility. |
| AIPD | Army Institute for Professional Development |
| AIT | advanced individual training |
| AN | annually |
| AR | Army regulation |
| ARTEP | The cornerstone of unit training. It is the umbrella program to be used by the trainer and training manager in the training evaluation of units. The ARTEP is a complete program enabling commanders to evaluate and develop collective training based on unit weaknesses, then train the unit to overcome those weaknesses and reevaluate. Success on the battlefield depends on the coordinated performance of collective and individual skills that are taught through the ARTEP MTP. |
| ARTEP | Army Training and Evaluation Program |
| ASI | additional skill identifier |
| BA | biannually |
| BAS (2) | Bradley Acquisition System |
| BNCOC | Training designed for soldiers in grade E5 to learn the duties of grade E6. Soldiers receive specialized training in their MOS and in related subjects that prepare them to perform duties in a supervisory capacity. |
| BCT | basic combat training |
| BELRF | Bradley Eyesafe Laser Range Finder |
| BIT | built-in test |
| BW | biweekly |
| CBU (1) | calibrate before use |
| CCI | controlled cryptographic item |
| CFV | cavalry fighting vehicle |

| | |
|----------------------------|--|
| CLU | Command Launch Unit |
| CMF | career management field |
| CNR | calibration not required |
| common task level. | A task every soldier in the Army must learn and perform at some skill level. |
| COMSEC | communications security |
| Critical task | See "task," critical collective task," and "critical individual task." |
| CSS | combat service support |
| CTT | common task test |
| DA | Department of the Army |
| DA Pam | Department of the Army pamphlet |
| DD | Defense Department/Department of Defense |
| EIR | equipment improvement recommendation |
| ELSEC | electronic security |
| ETMI | electronic technical manual interface |
| Evaluation guide | Section of the task summary in a soldier's manual that lists pass/fail performance measures for evaluating the soldier's performance on the task. |
| F (1) | fire control system |
| FM | frequency modulation |
| FM (1) | field manual |
| GO/NO-GO | This is a pass/fail evaluation whereby the soldier (student) cannot be partially correct. Either he meets the standard or he does not meet the standard. |
| HQ | headquarters |
| IETM | Interactive Electronic Technical Manual |
| IFV | infantry fighting vehicle |
| IMPL | initial mandatory parts list |
| Individual training | Training that prepares the soldier to perform specified duties or tasks related to assigned duty position or subsequent duty positions and skill level. |
| ISU | integrated sight unit |
| ITAS | Improved Target Acquisition System (TOW) |

| | |
|---|---|
| ITEP | Individual Training Evaluation Program |
| LOAP | list of applicable publications |
| LRU | line replaceable unit |
| METL | mission essential task list |
| MGS | missile guidance set |
| MO | monthly |
| MOS | military occupational specialty |
| MOS technical task | A task related to your duty position and skill level. |
| MOSC | military occupational specialty code |
| MST | maintenance support team |
| MTP | mission training plan |
| MWO | modification work order |
| NBC | nuclear, biological, and chemical |
| NCO | noncommissioned officer |
| NMP | national maintenance point |
| NVS | Night Vision Sight |
| P | pass |
| PLL | prescribed load list |
| QDR | Quality Deficiency Report |
| QT | quarterly |
| RC | Reserve Component |
| RDL | Reimer Digital Library |
| ROP | reorder point |
| SA (2) | semiannually |
| SF | standard form |
| SIGSEC | signal security |
| Skill level Enlisted E 1/2, 3/4, 5, | The skill levels by grade are shown below: Skill levels => 1 2 3 4 5; |

skill qualification test A test of the soldier's ability to perform the tasks in a soldier's manual. This test has been replaced by the self-development test.

| | |
|-------------------------|---|
| SL | skill level |
| SM | soldier's manual |
| SM/TG | soldier's manual/trainer's guide |
| SMCT | soldier's manual of common tasks |
| SMR | source maintenance and recoverability |
| soldier's manual | an STP listing of critical tasks for each SL in a particular MOS. |
| SOP | standing operating procedure |
| SSA | supply support activity |
| STE/ICE | simplified test equipment/internal combustion engine |
| STP | soldier training publication |
| T2SS | TOW 2 subsystem |
| T2SS-TS | TOW 2 subsystem test set |
| Task condition | See "Condition." |
| Task standard | See "standard." |
| TB | technical bulletin |
| TB MED | technical bulletin (medical) |
| TFTS | TOW field test set |
| TG | trainer's guide |
| TM | technical manual |
| TRADOC | United States Army Training and Doctrine Command |
| unit training | Training that is conducted in a unit. |
| WK | weekly |

REFERENCES

Required Publications

Required publications are sources that users must read in order to understand or to comply with this publication.

Army Regulations

| | |
|-------------|--|
| AR 190-13 | The Army Physical Security Program (This Item is Included on EM 0001). 30 September 1993 |
| AR 190-51 | Security of Unclassified Army Property (Sensitive and Nonsensitive) (This Item is Included on EM 0001) 30 September 1993 |
| AR 220-1 | Unit Status Reporting (This Item is Included on EM 0001) 1 September 1997 |
| AR 25-400-2 | The Modern Army Record Keeping System (MARKS) (This Item is Included on EM 0001) 1 October 2000 |
| AR 380-19 | Information Systems Security (This Item is Included on EM 0001) 27 February 1998 |
| AR 380-40 | (O) Policy for Safeguarding and Controlling Communications Security (COMSEC) Material (U) 30 June 2000 |
| AR 380-5 | Department of the Army Information Security Program (This Item is Included on EM 0001) 29 September 2000 |
| AR 385-10 | The Army Safety Program 23 May 1988 |
| AR 40-5 | Preventive Medicine (This Item is Included on EM 0001) 15 October 1990 |
| AR 530-1 | Operations Security (OPSEC) 3 March 1995 |
| AR 600-8-10 | Leaves and Passes (This Item is Included on EM 0001) 1 July 1994 |
| AR 600-8-19 | Enlisted Promotions and Reductions (This Item is Included on EM 0001) 2 October 2000 |
| AR 600-8-22 | Military Awards (This Item is Included on EM 0001) 25 February 1995 |
| AR 623-205 | Enlisted Evaluation Reporting System (This Item is Included on EM 0001) 31 March 1992 |
| AR 635-200 | Enlisted Personnel (This Item is Included on EM 0001) 1 November 2000 |
| AR 672-20 | Incentive Awards (This Item is Included on EM 0001) 1 June 1993 |
| AR 700-138 | Army Logistics Readiness and Sustainability (This Item is Included on EM 0001) 16 September 1997 |
| AR 710-2 | Inventory Management Supply Policy Below the Wholesale Level (This Item is on EM 0001) 31 October 1997 |
| AR 725-50 | Requisition, Receipt, and Issue System (This Item is Included on EM 0001) 15 November 1995 |
| AR 735-5 | Policies and Procedures for Property Accountability (This Item is Included on EM 0001) 31 January 1998 |
| AR 750-1 | Army Materiel Maintenance Policy and Retail Maintenance Operations (This Item is Included on EM 0001) 1 August 1994 |

Department of Army Forms

| | |
|----------------|---|
| DA FORM 2062 | Hand Receipt/Annex Number (This Item is Included on EM 0001) 1 January 1982 |
| DA FORM 2063-R | Prescribed Load List 1 January 1982 |

| | |
|-------------------|--|
| DA FORM 2064 | Document Register for Supply Actions (This Item is Included on EM 0001) 1 January 1982 |
| DA FORM 2402 | Exchange Tag 1 December 1985 |
| DA FORM 2404 | Equipment Inspection and Maintenance Worksheet (This Item is Included on EM 0001) 1 April 1979 |
| DA FORM 2405 | Maintenance Request Register 1 April 1962 |
| DA FORM 2406 | Material Condition Status Report 1 April 1993 |
| DA FORM 2407 | Maintenance Request 1 July 1994 |
| DA FORM 2407-1 | Maintenance Request - Continuation Sheet 1 July 1994 |
| DA FORM 2408-12 | Army Aviator's Flight Record (This Item is Included on EM 0001) 1 January 1992 |
| DA FORM 2408-13 | Aircraft Status Information Record (This Item is Included on EM 0001) 1 October 1991 |
| DA FORM 2408-13-1 | Aircraft Maintenance and Inspection Record (This Item is Included on EM 0001) 1 October 1997 |
| DA FORM 2408-14 | Uncorrected Fault Record (This Item is Included on EM 0001) 1 June 1994 |
| DA FORM 2410 | Component Removal and Repair/Overhaul Record (This Item is Included on EM 0001) 1 October 1997 |
| DA FORM 3266-1 | Army Missile Materiel Readiness Report (This Item is Included on EM 0001) 1 April 1993 |
| DA FORM 3266-2-R | Army Missile Materiel Readiness Report (This Item is Included on EM 0001) 1 April 1993 |
| DA FORM 3318 | Records of Demands-Title Insert (This Item is Included on EM 0001) 1 January 1982 |
| DA FORM 3758-R | Calibration and Repair Requirements Worksheet (LRA) (This Item is Included on EM 0001) 1 December 1996 |
| DA FORM 3999-4 | Maintenance Work Request Envelope 1 April 1975 |
| DA FORM 4569 | Requisition Code Sheet 1 July 1996 |
| DA FORM 5164-R | Hands-On Evaluation (LRA) (This Item is Included on EM 0001) 1 September 1985 |
| DA FORM 5165-R | Field Expedient Squad Book (LRA) (This Item is Included on EM 0001) 1 September 1985 |
| DA FORM 5988-E | Equipment Inspection Maintenance Worksheet (EGA) 1 March 1991 |
| DA FORM 5990-E | Maintenance Request 1 March 1991 |

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| DA PAM 190-51 | Risk Analysis for Army Property (This Item is Included on EM 0001) 30 September 1993 |
| DA PAM 25-30 | Consolidated Index of Army Publications and Blank Forms (ISSUED QUARTERLY)(No Printed Copies Exist)(Formerly DA Pam 310-1)(This Item is Included on EM 0001) 1 April 2001 |
| DA PAM 25-380-2 | (O) Security Procedures for Controlled Cryptographic Items 10 January 1991 |
| DA PAM 385-1 | Small Unit Safety Officer/NCO Guide 22 September 1993 |
| DA PAM 40-501 | Hearing Conservation Program (This Item is Included on EM 0001) 10 December 1998 |
| DA PAM 600-67 | Effective Writing for Army Leaders (This Item is Included on EM 0001) 2 June 1986 |
| DA PAM 611-21 | Military Occupational Classification and Structure (This Item is Included on EM 0001) 31 March 1999 |

DA PAM 710-2-1 Using Unit Supply System (Manual Procedures) (Standalone Pub) (This Item is on EM 0001) 31 December 1997

DA PAM 710-2-2 Supply Support Activity Supply System: Manual Procedures (This Item is on EM 0001) 30 September 1998

DA PAM 738-750 Functional Users Manual for The Army Maintenance Management System (TAMMS) (This Item is Included on EM 0001) 1 August 1994

DA PAM 738-751 Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A) (This Item is Included on EM 0001) 15 March 1999

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FM 101-5 Staff Organization and Operations 31 May 1997

FM 22-100 Army Leadership 31 August 1999

FM 24-16 Communications-Electronics Operations, Orders, Records, and Reports 7 April 1978

FM 25-100 Training The Force 15 November 1988

FM 25-4 How to Conduct Training Exercises 10 September 1984

FM 25-5 Training for Mobilization and War 25 January 1985

FM 3-19.30 Physical Security (This Item is Included on EM 0028) 8 January 2001

FM 4-30.3 Maintenance Operations and Procedures 1 September 2000

Other Product Types

AISM 25-L21-AHN-ZZZ-EM Standard Army Maintenance System Level 1(SAMS-1) End User Manual 1 June 1997

AISM 25-L26-AHO-ZZZ-EM Standard Army Maintenance System Level 2 (SAMS-2) 1 June 1997

DA LABEL 80 U.S. Army Calibrated Instrument 1 December 1977

DD FORM 1574 Serviceable Tag - Materiel 1 October 1966

DD FORM 1574-1 Serviceable Label - Materiel 1 October 1966

DD FORM 1575 Suspended Tag - Materiel 1 October 1966

DD FORM 1575-1 Suspended Label - Materiel 1 October 1966

DD FORM 1576 Test/Modification Tag - Materiel 1 October 1966

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DD FORM 1577 Unserviceable (Condemned) Tag - Materiel 1 October 1966

DD FORM 1577-1 Unserviceable (Condemned) Label - Materiel 1 October 1966

DD FORM 1577-2 Unserviceable (Repairable) Tag - Materiel 1 October 1966

DD FORM 1577-3 Unserviceable (Repairable) Label - Materiel 1 October 1966

DD FORM 173/1 Joint Message Form 1 March 1979

DD FORM 2332 Materiel Deficiency Exhibit 1 May 1984

DD FORM 314 Preventive Maintenance Schedule and Record (This Item is Included on EM 0001) 1 December 1953

FEDLOG S&I Cdr, USAMC Logistics Support 1 October 2000

SF 368 Product Quality Deficiency Report (This Item is Included on EM 0001) 1 October 1985

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Soldier Training Publications

STP 21-1-SMCT Soldier's Manual Of Common Tasks Skill Level 1 1 October 1994

STP 21-24-SMCT Soldier's Manual Of Common Tasks (SMCT) Skill Level 2-4 1 October 1992

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| TB 380-41 | (O) Procedure for Safeguarding, Accounting, and Supply Control of COMSEC Material (Reprinted W/Basic Incl C1) 1 October 1994 |
| TB 385-3 | Fire Prevention and Protection: Military Gasoline Cans 7 June 1968 |
| TB 385-4 | Safety Requirements for Maintenance of Electrical and Electronic Equipment (This Item is Included on EM 0128) 1 August 1992 |
| TB 43-0001-SERIES | Equipment Improvement Report and Maintenance Digest for Tank, Automotive, Armament and Chemical Equipment 1 October 2000 |
| TB 43-180 | Calibration and Repair Requirements for the Maintenance of Army Materiel (This Item is Included on EM 0022) 1 December 2000 |
| TB 750-25 | Maintenance of Supplies and Equipment: Army Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Repair Support (C&RS) Program (This Item is Included on EM 0022) 1 March 1997 |
| TB MED 523 | Control of Hazards to Health from Microwave and Radio Frequency Radiation and Ultrasound 15 July 1980 |

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| EM 0183 | JAVELIN Missile System 29 March 2002 |
| TM 9-243 | Use and Care of Hand Tools and Measuring Tools M6290-AJ-MAN-010; TO 32-1-101; TM-10209-10/1 (Reprinted W/Basic Incl C1-2) 12 December 1983 |
| TM 38-L09-11 | Functional Users Manual for Maintenance Reporting and Management (MRM)(S&I CDR, USALOGC, ATTN: ATCL-SP, FT LEE, VA 23801-6000) 4 February 1985 |
| TM 750-245-4 | Direct Support and General Support for Quality Control Inspector's Inspection Criteria (This Item is Included on EM 0178) 25 January 1971 |
| TM 9-1425-450-12 | Operator and Organizational Maintenance Manual for TOW 2 Weapon System, Guided Missile System M220A2 (NSN 1440-014-9034) (TOW 2 Heavy Antitank/Assault Weapon System) 25 May 1983 |
| TM 9-1425-450-24P | Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools List) for Launcher, Tubular, Guided Missile, M220A2 (NSN 1440-01-104-9834); (1440-01-269- 5849); 1 September 1995 |
| TM 9-1425-450-34-1 | Direct Support and General Support Maintenance Manual for TOW 2 Weapon System, M220A2 (NSN 1440-01-104-9834) 25 May 1983 |
| TM 9-1425-450-34-2 | Direct Support and General Support Maintenance Manual, Theory of Operation and Schematic Diagrams for TOW 2 Weapon System, M220A2 Power Conditioner, 13100995 ABD 13221206 Training Set, M70A2 and Battery Charger, PP-4884A/T 16 March 1994 |
| TM 9-1425-450-L | List of Applicable Publications (LOAP) for TOW 2 Heavy Antitank/Assault Weapon System 28 November 1997 |
| TM 9-1425-451-34 | Direct Support and General Support Maintenance Manual for TOW 2 Weapon System Checkout and Troubleshooting Using Test Set, Guided Missile System, AN/TSM-140B (NSN 4935-01-142-9561) (Reprinted W/Basic Incl C1-8) 11 August 1983 |
| TM 9-1425-453-24P | Organizational Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maint. Repair Parts and Special Tools) for AN/TSQ-145, Missile Launcher Assembly Intergrated Sight Unit 20 October 1995 |
| TM 9-1425-453-34-1 | Intermediate Direct Support and Intermediate General Support Maintenance Manual for Bradley Fighting Vehicle TOW 2 Subsystem |

Consisting of: Missile Guidance Set (NSN 1420-01-213-0413), Launcher Assembly (1440-01-167-7514), and Integrated Sight Unit 3 August 1987

TM 9-1425-453-34-2 Intermediate Direct Support and Intermediate General Support Maintenance Manual for Bradley Fighting Vehicle TOW 2 Subsystem Consisting of: Missile Guidance Set (NSN 1420-01-213-0413), Launcher Assembly (1440-01-178-1141), Launcher Assembly 3 August 1997

TM 9-1425-453-34-3-1 Direct Support and General Support Maintenance Manual for Bradley Fighting Vehicle TOW 2 Subsystem Consisting of: Missile Guidance Set (1420-01-329-8870) Launcher Assembly (1440-01-178-1141) Launcher Assembly (1440-01-167-7514) and BELRF 31 July 1996

TM 9-1425-453-34-3-2 Direct Support and General Support Maintenance Manual for Bradley Fighting Vehicle TOW 2 Subsystem Consisting of: Missile Guidance Set (1420-01-329-8870) Launcher Assembly (1440-01-178-1141) Launcher Assembly (1440-01-167-7514) and BELRF 31 July 1996

TM 9-1425-458-34 Direct Support and General Support Maintenance Manual for Bradley Fighting Vehicle BELRF Integrated Sight Unit (NSN 1240-01-425-5104) Installed on the Bradley-Linebacker M6 and Bradley-Fist M7 Vehicles 19 December 1997

TM 9-1425-470-L List of Applicable Publications (LOAP) for TOW Heavy Antitank/Assault Weapon System. 31 May 1989.

TM 9-1425-474-34-1 Intermediate Direct Support and Intermediate General Support Maintenance TOW Subsystem Consisting of: Launcher Assembly (NSN 1240-01-168-3910) Launcher Assembly (1440-01-085-5517) Command Guidance Electronics (1430-01-085-5512) and Integra

TM 9-1425-474-34-2 Intermediate Direct Support and Intermediate General Support Maintenance TOW Subsystem Consisting of: Launcher Assembly (1240-01-168-3910) Launcher Assembly (1440-01-085-5517) Command Guidance Electronics (1430-01-085-5521) and Integrated

TM 9-1425-480-24P Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools Lists (Including Depot Maintenance Repair Parts and Special Tools) for Tracker, Infrared, Guided Missile, SU-36P and Carrying Bag 14 August 1991

TM 9-1425-480-L List of Applicable Publications (LOAP) for Dragon Medium Antitank/Assault Weapon System 28 June 1991

TM 9-1425-481-34 Direct Support and General Support Maintenance Manual for Units of Dragon System Tested and Repaired by LCSS (Land Combat Support System) (Reprinted W/Basic Incl C1-9) 13 December 1974

TM 9-1425-484-10 Operator's Manual for Dragon Weapon Guided Missile System, Surface Attach: M47 (Medium Antitank/Assault Weapon System) (Reprinted W/Basic Incl C1 - 13) 31 July 1979

TM 9-1425-484-24 Organizational, Direct Support and General Support Maintenance Manual for Guided Missile Launcher Mount, M175 (NSN 1440-01-030-8438); Monitoring Set, Guided Missile System, Training, AN/TSQ-T1 (6920-00-165-6369); Trainer, Launch Effects, 1 December 1979

TM 9-1425-550-10 Operator's Manual: Index of Units Under Test and Repaired at LCSS (Land Combat Support System) (S&I CDR, USA MICOM, ATTN: AMSMI-LCME-P-C, Redstone Arsenal, AL 35898-5000). 11 February 1988.

TM 9-1425-923-12 Operator and Organizational Maintenance Manual for TOW Improved Target Acquisition System (ITAS) M41 (NSN 1425-01-439-2738) (EIC: PIM) 30 April 2001

TM 9-1425-923-24P Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools List for TOW Improved Target Acquisition System M41 (NSN 1425-01-439-2738) 30 April 2001

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| TM 9-1425-923-34 | Direct Support and General Support Maintenance Manual for TOW Improved Target Acquisition System (TOW ITAS), M41 (NSN 1425-01-439-2738) (EIC: PIM) 30 April 2001 |
| TM 9-2350-252-10-1 | Operator's Manual for Fighting Vehicle, Infantry, M2 (NSN 2350-01-048-5920); M2A1(2350-01-179-1027) and Fighting Vehicle Cavalry, M3 (2350-01-049-2695); M3A1 (2350-01-179-1028) Hull (Reprinted W/Basic Incl C1-6)(This Item is Included on EM 30 November 1986 |
| TM 9-2350-252-10-2 | Operator's Manual for Fighting Vehicle, Infantry, M2 (NSN 2350-01-048-5920)(EIC:APA) M2A1(2350-01-179-1027)(EIC:ALE) and Fighting Vehicle Cavalry, M3 (2350-01-049-2695)(EIC:APB) M3A1(2350-01-179-1028)(EIC:ALF) Turret (Reprinted W/Basic Incl 22 September 1986 |
| TM 9-2350-259-10 | Operator's Manual for Combat Vehicle, Antitank, Improved TOW Vehicle, M901A1 (NSNS 2350-01-103-5641) (EIC: AEV) (Reprinted W/Basic Incl C1-5) (This Item is Included on EM 0064) 30 April 1990 |
| TM 9-243 | Use And Care of Hand Tools And Measuring Tools [M6290-AJ-MAN-010; To 32-1-101; TM-10209-10/1] (Reprinted W/Basic InclC1-2) (This Item is Included on EM 0178) 12 December 1983 |
| TM 9-4935-450-14 | Operator, Organizational, Direct Support, and General Support Maintenance Manual for Shop Equipment Guided Missile System Contact Support System Set (CSS) AN/TSM-135A (NSN 4935-01-114-3919) (TOW 2/Dragon Weapon System). 25 May 1983. |
| TM 9-4935-450-24P | Organizational, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Shop Equipment, Guided Missile System Contact Support Set (NSN 4935-01-114-3 |
| TM 9-4935-451-14 | Operator, Organizational, Direct Support and General Support Maintenance Manual for Shop Equipment, Guided Missile, AN/TSM-153 Improved Contact Support Set (ICSS) (NSN 4940-01-154-3957) for TOW 2 Heavy Antitank/Assault Weapon System Dragon 12 August 1983 |
| TM 9-4935-451-24P | Unit, Intermediate, and Depot Maintenance Repair Parts and Special Tools for Improved Contact Support Set, AN/TSM-153 (NSN 4940-01-154-3957) (TOW 2 Heavy Antitank/Assault Weapon System; Dragon Medium Antitank/Assault Weapon System and TOW S |
| TM 9-4935-452-14 | Operator's, Organizational, Direct Support and General Support Maintenance Manual for Shop Equipment, Guided Missile System Test Set, Guided Missile System, AN/TSM-140A or AN/TSM-140B (NSN 4935-01-070-3426) or (4935-01- 142-9561) 31 July 1989 |
| TM 9-4935-452-24P | Unit, Intermediate and Depot Maintenance Repair Parts and Special Tools for TOW Field Test Set, AN/TSM-140A (NSN 4935-01-070-3426) and TOW 2 Field Test Set, AN/TSM-140B Adapter (4935-01-142-9561) TOW/TOW 2 Maintenance Test Set (6625-01-264- 31 August 1991 |
| TM 9-4935-453-14-1 | Operator's, Organizational, Direct Support and General Support Maintenance Manual for Shop Equipment, Guided Missile System Contact Support Set (CSS) AN/TSM-154 (Bradley Fighting Vehicle TOW Subsystem). 12 August 1983. |
| TM 9-4935-454-14 | Operator's Organizational, Direct Support, and General Support Maintenance Manual for Shop Equipment, Guided Missile, AN/TAM-6 Night Sight Maintenance Facility for TOW Heavy Antitank/Assault Weapon System; TOW Subsystem Bradley Fighting Veh |
| TM 9-4935-454-24P | Operator's Organizational, Direct Support, and General Support Repair Parts and Special Tools List for Night Sight Maintenance Facility Night Vision Sight, AN/TAM-6, Dragon Medium Antitank/Assault Weapon System and TOW Subsystem, Bradley Fi |

TM 9-4935-455-14 Operator's, Organizational, Direct Support and General Support Maintenance Manual for Electrical Circuit Test Set, AN/TSM-158 (NSN 4935-01-119- 3460); Electrical Cable Test Set, AN/TSM-149 (6625-01-120-0027); Missile Guidance Set Test Set,

TM 9-4935-472-24P Organizational, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Improved Contact Support Set (NSN 4935-01-082-7023) TOW Heavy Antitank/Assau 30 November 1989

TM 9-4935-474-14 Operator's, Organizational, Direct Support and General Support Maintenance Manual for TOW Subsystem Test Set (NSN 4935-01-108-0442); Basic Sight Assembly Support Equipment (4935-01-108-2968) and Alignment Breakout Box (4935-01-107-7619) (Br

TM 9-4935-474-14-2-1 Operator, Unit, Intermediate Direct Support, and Intermediate General Support Maintenance TOW 2 Subsystem Test Set PN 13163001 Basic Sight Assembly Support Equipment PN 13163003 Alignment Breakout Box PN 13163002. 31 July 1987.

TM 9-4935-474-14-2-2 Operator, Unit, Intermediate Direct Support, and Intermediate General Support Maintenance TOW 2 Subsystem Test Set PN 13163001 Basic Sight Assembly Support Equipment PN 13163003 Alignment Breakout Box PN 13163002. 31 July 1987.

TM 9-4935-474-24P-1 Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for TOW Subsystem Test Set (NSN 4935-01-108-0442)(4935-01-355-1331) Basic Sight 30 October 1992

TM 9-4935-474-24P-2 Organizational Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Test Set AN/TSM-174 (NSN 4935-01-355-1330) Basic Sight Assembly Support Equip 20 October 1995

TM 9-4935-480-24P Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Test Set, Guided Missile Infrared Tracker, AN/TSM-114 (NSN 4935-00-124-5585

TM 9-4935-484-14 Operator's, Organizational, Direct Support, and General Support Maintenance Manual for Test Set, Guided Missile Infrared Tracker, AN/TSM-114; Test Set Group, Guided Missile Infrared Tracker OQ-278/TSM-114 and Test Adapter, MX10078/G (Dragon

TM 9-5855-1286-14 Operator, Organizational, Direct Support and Direct Support Maintenance Manual for Test Set, Boresight Collimator AN/PAM-2 (NSN 5855-01-324-3756) 4 December 1992

TM 9-5855-247-24 Organizational, DS and GS Maintenance Manual: Night Vision Sight, Infrared AN/TAS-4, Night Vision Sight, Infrared AN/TAS-6, Vehicle Power Conditioner, Tripod Assembly, Arctic Kit. 29 September 1986.

TM 9-5855-247-24P-1 Organizational, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Equipment Set, Night Vision Sight, Infrared, AN/UAS-12 (NSN 5855-01-083-9053

TM 9-5855-254-14 Operator's, Organizational, Direct Support and General Support Maintenance Manual for Charger, Battery, PP-7382/TAS (NSN 6130-01-056-1955). 4 April 1986.

TM 9-5855-254-24P Organizational, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Battery Charger, PP-7382/TAS (NSN 6130-01-056-1955). 23 May 1985.

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| TM 9-5855-255-14 | Operator, Organizational, Direct Support and General Support Maintenance Manual for Test Set, Night Vision Sight AN/TAM 3 (NSN 5855-01-037-7341); AN/TAM 3A (5855-01-154-3871); AN/ TAM 3B (5855-01-244-9784) 15 October 1987 |
| TM 9-5855-255-24P | Organizational, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Test Set, Night Vision Sight, AN/TAM 3 (NSN 5855-01-037- 7341), Test Set 20 March 1995 |
| TM 9-5855-286-14 | Operator's, Organizational, Direct Support and General Support Maintenance Manual for Test Set, Boresight Collimator, TS3784A/TAS (NSN 5855-01-161- 8964). 23 December 1985. |
| TM 9-5855-286-24P | Organizational, Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Test Set, Boresight Collimator, TS-3784/TAS (NSN 5855-01 -161 -8964). 23 Dec |
| TM 9-5855-450-24 | Organizational, Direct Support and General Support Maintenance Manual for Night Vision Sight, Infrared, AN/TAS-4A (TOW 2 Heavy Antitank/Assault Weapon System) (NSN 5855-01-143-3183), (5855-01-250-2343) 08151B-24/1. 15 June 1987. |
| TM 9-5855-450-24P | Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools (Including Depot Maintenance Repair Parts and Special Tools) for Equipment Set, Night Vision Sight, Infrared AN/UAS-12A (NSN 5855- 01-152-8781) E |
| TM 9-5855-882-24 | Organizational, Direct Support, and General Support Maintenance Manual for Night Vision Sight, Infrared AN/TAS-4B (NSN 5855-01-154-1402) 22 August 1994 |
| TM 9-5855-882-24P | Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools List (Including DEPOT Maintenance Repair Parts and Special Tools) for Equipment Set, Night Vision Sight, Infrared AN/UAS-12B(NSN 5855-01-173-0808 20 March 1995 |
| TM 9-5855-883-24 | Organizational, Direct Support and General Support Maintenance Manual for Vehicle Power Conditioner (NSN 5855-01-143-9397). 11 March 1986. |
| TM 9-5855-884-24 | Organizational, Direct Support and General Support Maintenance Manual for Battery Power Conditioner (NSN 6135-01-143-4470). 11 March 1986. |
| TM 9-5855-885-24 | Organizational, Direct Support and General Support Maintenance for , Boresight, SU-93/TAS (NSN 5855-01-029-8730) and SU-93A/TAS (5855-01-109-6433). 21 November 1985. |
| TM 9-6920-450-34 | DS and GS Maintenance Manual for Tow and Tow 2 Weapon System Training Sets, Guided Missile System, M70, M70A1, and M70A2 26 November 1990 |
| TM 9-6920-484-12 | Operator and Organizational Maintenance Manual for Guided Missile System Surface Attack, M47; Training Equipment Consisting of Monitoring Set, Guided Missile System, Training, AN/TSQ-T1; Trainer, Handling, GM Launcher: M57; Trainer, Launch |
| Training Circulars TC 43-4 | Commander's and Shop Officer's Guide for Support Maintenance Management 8 May 1996 |

Related Publications

Related publications are sources of additional information. They are not required in order to understand this publication.

Army Regulations

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| AR 200-1 | Environmental Protection and Enhancement (This Item is Included on EM 0001) 21 February 1997 |
| AR 220-45 | Duty Rosters (This is Included on EM 0001) 15 November 1975 |
| AR 25-50 | Preparing and Managing Correspondence (This Item is Included on EM 0001) 5 March 2001 |
| AR 380-15 | (OBSOLETE)(C) Safeguarding Classified NATO Information(U) 1 March 1984 |
| AR 380-19 | Information Systems Security (This Item is Included on EM 0001) 27 February 1998 |
| AR 380-40 | (O) Policy for Safeguarding and Controlling Communications Security (COMSEC) Material (U) 30 June 2000 |
| AR 385-40 | Accident Reporting and Records (This Item is Included on EM 0001) 1 November 1994 |
| AR 5-12 | Army Management of the Electromagnetic Spectrum 1 October 1997 |
| AR 702-7 | Product Quality Deficiency Report Program [DLAR 4155.24; Secnavinst 4855.5A; AFR 74.6] (This Item is Included on EM 0001) 20 July 1993 |
| AR 702-7-1 | Reporting of Product Quality Deficiencies Within the US Army (This Item is Included on EM 0001) 15 August 1980 |
| AR 710-1 | Centralized Inventory Management of the Army Supply System 1 March 2001 |
| AR 710-2 | Inventory Management Supply Policy Below the Wholesale Level (This Item is on EM 0001) 31 October 1997 |
| AR 750-1 | Army Materiel Maintenance Policy and Retail Maintenance Operations (This Item is Included on EM 0001) 1 August 1994 |

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| DA FORM 2064 | Document Register for Supply Actions (This Item is Included on EM 0001) 1 January 1982 |
| DA FORM 2404 | Equipment Inspection and Maintenance Worksheet (This Item is Included on EM 0001) 1 April 1979 |
| DA FORM 2407 | Maintenance Request 1 July 1994 |
| DA FORM 2765-1 | Request for Issue or Turn-in (This Item is Included on EM 0001) 1 April 1976 |
| DA FORM 3161 | Request for Issue or Turn-In (This Item is Included on EM 0001) 1 May 1983 |
| DA FORM 3318 | Records of Demands-Title Insert (This Item is Included on EM 0001) 1 January 1982 |
| DA FORM 638 | Recommendation for Award (This Item is Included on EM 0001) 1 November 1994 |

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| DA PAM 190-51 | Risk Analysis for Army Property (This Item is Included on EM 0001) 30 September 1993 |
| DA PAM 200-1 | Handbook for Environmental Impact Analysis (GPO SN: 0820-00551-7) (This Item is Included on EM 0001) 1 April 1975 |

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| DA PAM 25-1-1 | Installation Information Services 27 August 1991 |
| DA PAM 25-380-2 | (O) Security Procedures for Controlled Cryptographic Items 10 January 1991 |
| DA PAM 710-2-1 | Using Unit Supply System (Manual Procedures) (Standalone Pub) (This Item is on EM 0001) 31 December 1997 |
| DA PAM 738-750 | Functional Users Manual for The Army Maintenance Management System (TAMMS) (This Item is Included on EM 0001) 1 August 1994 |
| DA PAM 738-751 | Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A) (This Item is Included on EM 0001) 15 March 1999 |
| DA PAM 750-1 | Leader's Unit Level Maintenance Handbook (This Item is Included on EM 0001) 15 February 1994 |

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| FM 100-10 | Combat Service Support 3 October 1995 |
| FM 24-33 | Communications Techniques: Electronic Counter-Countermeasures 17 July 1990 |
| FM 3-04.500 | Army Aviation Maintenance 26 September 2000 |
| FM 3-25.26 | Map Reading and Land Navigation 20 July 2001 |
| FM 34-60 | Counterintelligence 3 October 1995 |
| FM 4-30.3 | Maintenance Operations and Procedures 1 September 2000 |

Other Product Types

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| AISM 25-L21-AHN-ZZZ-EM | Standard Army Maintenance System Level 1(SAMS-1) End User Manual 1 June 1997 |
| DD FORM 314 | Preventive Maintenance Schedule and Record (This Item is Included on EM 0001) 1 December 1953 |
| SF 700 | Security Container Information 1 August 1985 |
| SF 702 | Security Container Check Sheet 1 August 1985 |

Soldier Training Publications

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| STP 21-1-SMCT | Soldier's Manual Of Common Tasks Skill Level 1 1 October 1994 |
| STP 21-24-SMCT | Soldier's Manual Of Common Tasks (SMCT) Skill Level 2-4 1 October 1992 |

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| TB 380-41 | (O) Procedure for Safeguarding, Accounting, and Supply Control of COMSEC Material (Reprinted W/Basic Incl C1) 1 October 1994 |
| TB 385-4 | Safety Requirements for Maintenance of Electrical and Electronic Equipment (This Item is Included on EM 0128) 1 August 1992 |
| TB 43-0129 | Safety Requirements for Use of Antenna and Mast Equipment (This Item is Included on EM 0161) 15 June 1986 |

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| TM 38-L09-11 | Functional Users Manual for Maintenance Reporting and Management (MRM)(S&I CDR, USALOGC, ATTN: ATCL-SP, FT LEE, VA 23801-6000) 4 February 1985 |
| TM 750-245-4 | Direct Support and General Support for Quality Control Inspector's Inspection Criteria (This Item is Included on EM 0178) 25 January 1971 |
| TM 9-1425-429-12 | Operator's and Organizational Maintenance Manual for Stinger Guided Missile System Consisting of Weapon Round Basic (NSN 1425-01-024- |

9928) Round Post (1425-01-231-3261) Weapon Round RMP (1425-01-230-8785) Trainer Handling Guided Missile 21 April 1992

TM 9-1425-450-12 Operator and Organizational Maintenance Manual for TOW 2 Weapon System, Guided Missile System M220A2 (NSN 1440-014-9034) (TOW 2 Heavy Antitank/Assault Weapon System) 25 May 1983

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