

**STP 9-35R13-SM-TG**

**Soldier's Manual and  
Trainer's Guide, MOS 35R  
Avionic Systems Repairer**

**Skill Levels 1, 2, and 3**

**JUNE 2004**

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# SOLDIER’S MANUAL and TRAINER’S GUIDE

## MOS 35R

### Avionic Systems Repairer

### Skill Levels 1, 2, and 3

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## PREFACE

This STP is intended for soldiers holding MOS 35R, Skill Levels 1, 2, and 3 and their supervisors, trainers, and commanders. It contains an MOS training plan that provides information needed to plan, conduct, and evaluate unit training, one for 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 35R should have access to this publication. Trainers and first-line supervisors should actively plan for soldier 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 TSP is obtainable on-line from the Reimer Digital Library (RDL) at <http://www.adtdl.army.mil/atdls.htm>.

Tasks in this manual apply to active Army 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 STP identifies individual MOS training requirements for soldiers holding MOS 35R. 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 35R soldiers. Commanders employ two primary methods to evaluate soldier 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 requirement 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 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 7-0 (Training the Force), and FM 7-1 (Battle-Focused Training) to establish effective training plans and programs that integrate soldier, leader, and collective tasks.

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 the 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 NCOs primary source for maintaining MOS proficiency.

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 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 for. 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 get paid to do, train. Developing effective training is explained in detail in FM 7-0 and FM 7-1.

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 for instructions on how to obtain and fill out a copy of a DA Form 5164-R.

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 MOSs and skill levels. Use of this form is optional. See Appendix B for instructions on how to obtain and fill out a copy of a DA Form 5165-R. 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 identifies the essential components of a unit training plan for individual training. Units have different training needs and requirements based on differences in environment, location, equipment, dispersion, and similar factors. Therefore, the MOS training plan should be used as a guide for conducting unit training and not a rigid standard. The MOS training plan consists of two parts. Each part is designed to assist the commander in preparing a unit training plan which satisfies integration, cross training, training up, and sustainment training requirements for soldiers in this MOS.

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

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

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

- **Duty Position Column.** This column lists the duty positions of the MOS, by skill level, which have different training requirements.
- **Subject Area Column.** This column lists, by numerical key (see Section I), the subject areas a soldier must be proficient in to perform in that duty position.
- **Cross Train Column.** This column lists the recommended duty position for which soldiers should be cross-trained.
- **Train-up/Merger Column.** This column lists the corresponding duty position for the next higher skill level or 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 MOS training plan.
- **Task Number Column.** This column lists the task numbers for all tasks included in the subject area.
- **Title Column.** This column lists the task title for each task in the subject area.
- **Training Location Column.** This column identifies the training location where the task is first trained to soldier training publications 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, and so

forth), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

<b>UNIT</b>	Trained in the Unit
<b>INSTI</b>	Institution
<b>BNCOC</b>	Basic Noncommissioned Officer Course
<b>BCT</b>	Basic Combat Training

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.

<b>BA</b>	- Biannually
<b>AN</b>	- Annually
<b>SA</b>	- Semiannually
<b>QT</b>	- Quarterly
<b>MO</b>	- Monthly
<b>BW</b>	- Biweekly
<b>WK</b>	- 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 1/2**

- 1 Countermeasures Systems
- 2 Radar Signal Detecting Systems
- 3 Transponder Systems
- 4 Aviation Night Systems
- 5 Aviation Laser Systems
- 6 Navigation Systems
- 7 Flight Control Systems
- 8 Maintenance Equipment
- 9 OH58D (ASI W5)

**Skill Level 3**

- 10 Avionic Shop Supervisory Duties

2-3. Duty Position Training Requirements.

	<b>Duty Position</b>	<b>Subject Area</b>
<b>Skill Level 1</b>	Avionics System Repairer	1 through 9
<b>Skill Level 2</b>	Avionics System Repairer	1 through 9
<b>Skill Level 3</b>	Avionics System Supervisor	1 through 10

## 2-4. Critical Task List.

**MOS TRAINING PLAN  
35R13  
CRITICAL TASKS**

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
<b>Skill Level ½</b>					
1. Countermeasures Systems	093-35R-1104	Repair Countermeasures Set AN/ALQ-144AV(*)	INSTI	SA	1-3
	093-35R-1115	Repair Test Set, Electronic Systems M-92	UNIT	SA	1-3
	093-35R-1116	Repair M-130 Dispensing System	UNIT	SA	1-3
	093-35R-1100	Repair Countermeasures Test Set AN/ALQ-136	INSTI	SA	1-3
	093-35R-1102	Repair Countermeasures Test Sets TS-3614(*)/ALQ-136 / TS-3615A/ALQ-136	INSTI	SA	1-3
	093-35R-1105	Repair Countermeasures Test Set AN/ALM-178	UNIT	SA	1-3
	093-35R-1107	Repair Countermeasure Set AN/ALQ-156(*)	INSTI	SA	1-3
	093-35R-1108	Repair Test Set Countermeasures TS-3609/ALQ-156(*)	INSTI	SA	1-3
	093-35R-1114	Repair Test Set, Electronic Systems M-91	UNIT	SA	1-3
2. Radar Signal Detecting Systems	093-35R-1201	Repair Radar Signal Detecting Set AN/APR-39A(V)(*)	INSTI	SA	1-3
	093-35R-1205	Repair Radar Signal Simulator Set SM-674A/UPM	UNIT	SA	1-3
	093-35R-1207	Repair Radar Signal Detecting Set AN/APR-39A(V)(*)	INSTI	SA	1-3
3. Transponder Systems	093-35R-1400	Repair Transponder Set AN/APX-72	INSTI	SA	1-3
	093-35R-1402	Repair Transponder Set AN/APX-100(V)	INSTI	SA	1-3
	093-35R-1404	Repair Test Set, Transponder AN/APM-421	UNIT	SA	1-3
	093-35R-1405	Repair Test Set, Transponder AN/APM-239A	UNIT	SA	1-3
	093-35R-1406	Repair Test Set TS-3395A/APM305A	INSTI	SA	1-3

## CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
4. Aviation Night Systems	093-35R-1500	Repair Aviator's Night Vision Imaging System AN/AVS-6	INSTI	SA	1-3
	093-35R-1501	Repair Night Vision Test Set TS-3895A/UV	UNIT	SA	1-3
5. Aviation Laser Systems	093-35R-1601	Repair Laser Detecting Set AN/AVR-2A(V)(*)	INSTI	SA	1-3
	093-35R-1602	Repair Laser Detecting Test Set TS-4321/AVR-2	INSTI	SA	1-3
6. Navigation Systems	093-35R-1708	Repair AN/ARN-89 ADF Set	INSTI	SA	1-3
	093-35R-1714	Repair VOR Test Set AN/ARM-92(*)	UNIT	SA	1-3
	093-35R-1716	Repair Maintenance Kit MK-994	UNIT	SA	1-3
	093-35R-1718	Repair VOR Signal Generator AN/ARN-180	UNIT	SA	1-3
7. Flight Control Systems	093-35R-1800	Repair Automated Flight Control System (AFCS)	INSTI	SA	1-3
	093-35R-1801	Repair AFCS Test Set	UNIT	SA	1-3
8. Maintenance Equipment	093-35R-1901	Operate a Trailer Mounted Generator Set	UNIT	QT	1-3
	093-35R-1902	Operate Avionic/Electronic Shop Shelter AN/ASM-189 or AN/ASM-190	UNIT	QT	1-3
9. OH58D (ASI W5)	093-35R-1001	Repair Mast Mounted Sight System Processor (MSP)	INSTI	SA	1-3
	093-35R-1002	Repair Gyro Electronics Assembly (GEA)	INSTI	SA	1-3
	093-35R-1003	Repair Internal Multiplexer Electronics Assembly (IEA)	INSTI	SA	1-3
	093-35R-1004	Repair Mast Mounted Sight Central Power Supply (MCPS)	INSTI	SA	1-3
	093-35R-1005	Repair Remote Frequency Display (RFD)	INSTI	SA	1-3
	093-35R-1006	Repair Master Controller/Processor Unit (MCPU)	INSTI	SA	1-3
	093-35R-1007	Repair Keyboard Unit (KU)	INSTI	SA	1-3
	093-35R-1008	Repair Multifunction Display (MFD)	INSTI	SA	1-3

**CRITICAL TASKS**

<b>Subject Area</b>	<b>Task Number</b>	<b>Title</b>	<b>Training Location</b>	<b>Sust Tng Freq</b>	<b>Sust Tng SL</b>
	093-35R-1009	Repair Integrated System Processor (ISP)	INSTI	SA	1-3
	093-35R-1010	Repair Test Support System AN/TSM-173 (TSS)	INSTI	SA	1-3
<b>Skill Level 3</b>					
10. Avionic Shop Supervisory Duties	093-SSG-3001	Inspect Section/Shop Safety	BNCOC	QT	3
	093-SSG-3002	Manage Section/Shop Security	BNCOC	QT	3
	093-SSG-3003	Maintain Section/Shop Calibration Program	BNCOC	QT	3
	093-SSG-3004	Submit a Quality Deficiency Report (QDR)	BNCOC	QT	3
	093-SSG-3005	Submit Equipment Improvement Recommendation (EIR)	BNCOC	QT	3
	093-SSG-3006	Plan Work Flow	BNCOC	QT	3
	093-SSG-3007	Direct Performance of Preventive Maintenance	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-3011	Write a Standing Operating Procedure (SOP)	BNCOC	QT	3
	093-SSG-3012	Perform In-Process Inspections	BNCOC	QT	3
	093-SSG-3013	Maintain Property Accountability	BNCOC	QT	3
	093-SSG-3014	Assess Battlefield Damage	BNCOC	QT	3
	093-SSG-3015	Manage Demand Supported Repair Parts Listed on the Prescribed Load List (PLL)	BNCOC	QT	3
	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



**CHAPTER 3****MOS/Skill Level Tasks**

Skill Level ½

Subject Area 1: Countermeasures Systems

**Repair Countermeasures Set AN/ALQ-144AV(\*)****093-35R-1104**

**Conditions:** Given Countermeasures Set Test Set AN/ALM-178; Microwave Frequency Counter TD-1225A(V)2/U; power supply, 28 V dc, 60-amp; Dual-trace Oscilloscope AN/USM-488; Digital Multimeter AN/USM-486; Tool Kit TK-100/G; torque wrench, PN F120015; spanner wrench, PN AN/8514-1; stopwatch, Type BTI; Vacuum Cleaner WC521; applicable repair part; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); DA Form 2407-1 (Maintenance Request Continuation Sheet); local SOP; TM 11-5865-200-34-1; TM 11-5865-200-34-2; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/ALQ-144AV(\*) Countermeasures Set or identified problems requiring higher-level maintenance.

**Performance Measures**

NOTE: Performance measures 2 through 7 refer to TM 11-5865-200-34-1 unless otherwise indicated.

	<u>GO</u>	<u>NO GO</u>
1. Obtained defective system from production control.	—	—
2. Performed initial switch positions.	—	—
3. Set up test interconnections.	—	—
4. Performed test procedure.	—	—
5. Performed troubleshooting procedure (refer to TM 11-5865-200-34-2 for classified frequencies).	—	—
6. Disassembled faulty replaceable part/component/assembly.	—	—
7. Reassembled faulty replaceable part/component/assembly.	—	—
8. Performed test procedure to verify that equipment met standards.	—	—
9. Completed DA Form 2404 and DA Form 2407.	—	—
10. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404

DA FORM 2407

DA PAM 738-751

TM 11-5865-200-12

TM 11-5865-200-34-1

TM 11-5865-200-34-2

**Related**

DA FORM 2407-1

**Repair Test Set, Electronic Systems M-92  
093-35R-1115**

**Conditions:** Given aircraft general-purpose dispenser M-130; Digital Multimeter AN/USM-486; Tool Kit TK-105/G; ball hex screwdriver; applicable repair part; DA Form 2404; DA Form 2407; local SOP; TM 9-4940-497-13&P; TM 9-1095-206-12&P; TM 9-1095-206-30&P; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the electronic systems M-92 test set or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u>GO</u>	<u>NO GO</u>
NOTE: Performance measures 2 and 5 through 8 refer to TM 9-4940-497-13&P.		
1. Obtained defective electronic systems test set from production control.	—	—
2. Performed visual inspection.	—	—
3. Connected test equipment (refer to TM 9-1095-206-12&P and TM 9-1095-206-30&P).	—	—
4. Performed operational tests (refer to TM 9-1095-206-12&P and TM 9-1095-206-30&P).	—	—
5. Isolated malfunction to a faulty replaceable part/component.	—	—
6. Removed faulty replacement part/component assembly.	—	—
7. Verified faulty replaceable part/component assembly.	—	—
8. Replaced faulty replaceable part/component assembly.	—	—
9. Performed operational test to verify that equipment met standards (refer to TM 9-1095-206-12&P and TM 9-1095-206-30&P).	—	—
10. Completed DA Form 2404 and DA Form 2407.	—	—
11. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 9-1095-206-12&P
- TM 9-1095-206-30&P
- TM 9-4940-497-13&P

**Related**

- DA PAM 738-751

**Repair M-130 Dispensing System  
093-35R-1116**

**Conditions:** Given circuit card assembly (CCA) card extractor (locally fabricated); Electronic Equipment Tool Kit TK-105/G; hex ball screwdriver key, PN 9326701; Digital Multimeter AN/USM-486; applicable repair part; TM 9-1095-206-12&P; TM 9-1095-206-30&P; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the M-130 dispensing system or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: Performance measures 2 through 8 pertain to TM 9-1095-206-12&P and TM 9-1095-206-30&P.

1. Obtained faulty components from production control.	—	—
2. Observed all safety precautions.	—	—
3. Performed visual inspection.	—	—
4. Performed test equipment setup procedures.	—	—
5. Performed operational test to determine faulty condition.	—	—
6. Performed troubleshooting procedures to identify faulty AVIM-replaceable module/component.	—	—
7. Replaced AVIM-level replaceable module/component.	—	—
8. Conducted performance test to determine acceptability.	—	—
9. Completed DA Form 2404 and DA Form 2407.	—	—
10. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404  
DA FORM 2407  
TM 9-1095-206-12&P  
TM 9-1095-206-30&P

**Related**

DA PAM 738-751

**Repair Countermeasures Test Set AN/ALQ-136  
093-35R-1100**

**Conditions:** Given Countermeasures Set Test Set TS-3615(\*)/ALQ-136; Tool Kit TK-105/G; Dual-trace Oscilloscope AN/USM-488; Digital Multimeter AN/USM-486; Power Meter AN/USM-491; termination, 50-ohm (two each); Plenum Assembly SM-C-920439; Torque Wrench T-8438; torque wrench, NSN 5120-01-157-6919; Microwave Frequency Counter TD-1225A(V)2/U; Power Supply 28 V dc HP-6269B; Power Sensor 8481A; Test Set, Radio Frequency Meter TS -3793/U (see note in MAC chart in -12 manual); RF adapters, TNC (female to SMA (female), N (female) to SMA (male); applicable repair part; DA Form 2404; DA Form 2407; TM 11-5865-202-30; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/ALQ-136 test set or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO GO</b></u>
NOTE: Performance measures 2 through 11 refer to TM 11-5865-202-30.		
1. Obtained defective system from production control.	—	—
2. Observed all warnings, cautions, and notes listed in the technical manual.	—	—
3. Performed visual inspection.	—	—
4. Connected test equipment.	—	—
5. Performed operational tests.	—	—
6. Sectionalized malfunction to a faulty section.	—	—
7. Isolated malfunction to a faulty replaceable part/component/assembly.	—	—
8. Removed faulty replaceable part/component/assembly.	—	—
9. Inspected faulty replaceable part/component/assembly to verify that it had failed.	—	—
10. Replaced faulty part/component/assembly with a functional part/component/assembly.	—	—
11. Performed operational test to verify that equipment met standards.	—	—
12. Completed DA Form 2404 and DA Form 2407.	—	—
13. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**  
DA FORM 2404  
DA FORM 2407  
TM 11-5865-202-30

**Related**  
DA PAM 738-751

**Repair Countermeasures Test Sets TS-3614(\*)/ALQ-136 / TS-3615A/ALQ-136  
093-35R-1102**

**Conditions:** Given Countermeasures Set Test Set TS-3614(\*)/ALQ-136; Dual-trace Oscilloscope AN/USM-488; Digital Multimeter AN/USM-486; Power Meter AN/USM-491; Microwave Frequency Counter TD-1225A(V)2/U; Frequency Meter HP-532A; Adapter HP-P281B/OPT 013 (two each); termination, 50-ohm (two each); termination, 100-ohm (two each); termination, 1000-ohm (two each); Tool Kit TK-105/G; applicable repair part; DA Form 2404; DA Form 2407; local SOP; TM 11-6625-2885-30; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the TS-3614(\*)/ALQ-136 Countermeasures test set or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u>GO</u>	<u>NO GO</u>
NOTE: Performance measures 2 through 10 refer to TM 11-6625-2885-30.		
1. Obtained defective countermeasures set test set from production control.	—	—
2. Performed visual inspection.	—	—
3. Connected test equipment.	—	—
4. Performed operational tests.	—	—
5. Determined faulty section.	—	—
6. Isolated malfunction to a faulty replaceable part/component/assembly.	—	—
7. Removed faulty replaceable part/component/assembly.	—	—
8. Inspected faulty replaceable part/component/assembly to verify fault.	—	—
9. Replaced faulty part/component/assembly with a functional part/component/assembly.	—	—
10. Performed operational tests to verify that repairs were complete and equipment met standards.	—	—
11. Completed DA Form 2404 and DA Form 2407.	—	—
12. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 11-6625-2885-30

**Related**

- DA PAM 738-751

**Repair Countermeasures Test Set AN/ALM-178  
093-35R-1105**

**Conditions:** Given Microwave Frequency Counter TD-1225A(V)2/U; Digital Multimeter AN/USM-486; Dual-trace Oscilloscope AN/USM-488; Tool Kit TK-105/G; power supply, 28 V dc, 60-amp; applicable repair part; DA Form 2404; DA Form 2407; TM 11-6625-2739-14; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/ALM-178 Countermeasures test or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
NOTE: Performance measures 2 through 7 refer to TM 11-6625-2739-14.		
1. Obtained defective countermeasures set test set from production control.	—	—
2. Performed visual inspection.	—	—
3. Performed test equipment setup procedures.	—	—
4. Performed electrical check procedure.	—	—
5. Performed troubleshooting procedures.	—	—
6. Replaced or repaired components and harness.	—	—
7. Performed electrical check procedure to determine operational readiness.	—	—
8. Completed DA Form 2404 and DA Form 2407.	—	—
9. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 11-6625-2739-14

**Related**

- DA PAM 738-751

**Repair Countermeasure Set AN/ALQ-156(\*)  
093-35R-1107**

**Conditions:** Given Countermeasures Test Set TS-3609/ALQ-156(\*); Dual-trace Oscilloscope AN/USM-488; power supply, 115 V ac, 30-amp, 400 Hz, 3-phase; Tool Kit TK-105/G; Digital Multimeter AN/PSM-45A; Maintenance Assist Module (MAM) RT-1220(\*)/ALQ-156(\*); Power Meter AN/USM-491; Torque Wrench, 8 inch-lbs PN:T-8438; Torque wrench adapter 9'16"; Torque Wrench 23 inch-lbs; Frequency Counter TD-1225A(V)2/U; Attenuator set PN: HP8498A; applicable repair part; DA Form 2404; DA Form 2407; TM 11-5865-263-30-2; TM 11-5865-263-34-1; TM 11-5865-201-30-2; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the RT-1220(\*)/ALQ-156(\*) Countermeasure set or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u>GO</u>	<u>NO GO</u>
NOTE: Performance measures 2 through 7 refer to TM 11-5865-263-34-1.		
1. Obtained defective system from production control.	___	___
2. Performed test setup interconnections.	___	___
3. Performed initial switch positions.	___	___
4. Performed test procedure.	___	___
5. Performed troubleshooting procedure.	___	___
6. Performed disassembly and assembly procedures.	___	___
7. Performed operational tests to verify that equipment met standards.	___	___
8. Completed DA Form 2404 and DA Form 2407.	___	___
9. Requested technical inspection.	___	___

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 11-5865-201-30-2
- TM 11-5865-263-12
- TM 11-5865-263-30-2
- TM 11-5865-263-34-1

**Related**

- DA PAM 738-751
- TM 11-5865-263-34P

**Repair Test Set Countermeasures TS-3609/ALQ-156(\*)  
093-35R-1108**

**Conditions:** Given Receiver-Transmitter RT-1220(\*)/ALQ-156(\*); Control Indicator C-10131/ALQ-156(\*);  
Digital Multimeter AN/USM-486; Dual-trace Oscilloscope AN/USM-488; Microwave Frequency Counter  
TD-1225A(V)2/U; Power Meter AN/USM-491; Torque Wrench T-8438; Tool Kit TK-105/G; applicable  
repair part; DA Form 2404; DA Form 2407; local SOP; TM 11-6625-2883-13; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the TS-3609/ALQ-156(\*) Countermeasures test or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
NOTE: Performance measures 2 through 5 refer to TM 11-6625-2883-13.		
1. Obtained defective countermeasures set test set from production control.	—	—
2. Performed preparation for check.	—	—
3. Performed check procedure.	—	—
4. Performed maintenance procedures.	—	—
5. Performed functional tests to determine operational readiness.	—	—
6. Completed DA Form 2404 and DA Form 2407.	—	—
7. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 11-6625-2883-13

**Related**

- DA PAM 738-751

**Repair Test Set, Electronic Systems M-91  
093-35R-1114**

**Conditions:** Given Receiver-Transmitter RT-1220(\*)/ALQ-156(\*) ; Control Indicator C-10131/ALQ-156(\*) ; Digital Multimeter AN/USM-486 ; Dual-trace Oscilloscope AN/USM-488 ; Microwave Frequency Counter TD-1225A(V)2/U ; Power Meter AN/USM-491 ; Torque Wrench T-8438 ; Tool Kit TK-105/G ; applicable repair part ; DA Form 2404 ; DA Form 2407 ; local SOP ; TM 11-6625-2883-13 ; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the electronic systems M-91 test set or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: Performance measures 2 through 8 refer to TM 9-4940-497-13&P.

1.	Obtained defective electronic systems test set from production control.	—	—
2.	Performed visual inspection.	—	—
3.	Connected test equipment (refer to TM 9-1095-206-30&P).	—	—
4.	Performed operational tests (refer to TM 9-1095-206-30&P).	—	—
5.	Determined faulty replaceable part/component by using troubleshooting charts.	—	—
6.	Removed faulty replacement part/component/assembly.	—	—
7.	Installed functional replacement part/component/assembly.	—	—
8.	Performed operational test to ensure equipment met standards.	—	—
9.	Completed DA Form 2404 and DA Form 2407.	—	—
10.	Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404  
DA FORM 2407  
TM 9-1095-206-30&P  
TM 9-4940-497-13&P

**Related**

DA PAM 738-751

Subject Area 2: Radar Signal Detecting Systems

**Repair Radar Signal Detecting Set AN/APR-39A(V)(\*)  
093-35R-1201**

**Conditions:** Given Radar Signal Test Set Adapter MX-9848/APR-39(\*); Radar Signal Simulator SM-674/UPM; Digital Multimeter AN/USM-486; applicable RF connectors; Pulse Generator SG-1105/U (two each); Dual-trace Oscilloscope AN/USM-488; Signal Generator SG-1207; Signal Generator AN/URM-206; Attenuator HP-8491B-10; Drive Modulator HP-8403A; PIN Modulators HP-8731B and HP-8734B; Tool Kit TK-105/G; Torque Wrench T-8438; Microwave Frequency Counter TD-1225A(V)2/U; mW and RF Power Meter AN/USM-491; applicable repair part; DA Form 2404; DA Form 2407; local SOP; TM 11-5841-283-34-1; TM 11-5841-283-34-2; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/APR-39A(V)(\*) Radar Signal Detecting Set or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO**      **NO GO**

NOTE: Performance measures 2 through 8 refer to TM 11-5841-283-34-1 unless otherwise indicated.

1. Obtained defective system from production control.	_____	_____
2. Performed visual inspection.	_____	_____
3. Performed test equipment setup procedures (refer to TM 11-5841-283-34-1 and TM 11-5841-283-34-2).	_____	_____
4. Performed operational test to determine faulty condition.	_____	_____
5. Performed troubleshooting procedures to identify faulty replaceable module/component.	_____	_____
6. Replaced AVIM-level replaceable module/component.	_____	_____
7. Performed necessary alignment/adjustments.	_____	_____
8. Performed functional tests to determine operational readiness.	_____	_____
9. Completed DA Form 2404 and DA Form 2407.	_____	_____
10. Requested technical inspection.	_____	_____

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 11-5841-283-34-1
- TM 11-5841-283-34-2

**Related**

- DA PAM 738-751

**Repair Radar Signal Simulator Set SM-674A/UPM  
093-35R-1205**

**Conditions:** Given Attenuator HP -8491B (options 10 and 20); Horn Antenna DBG 520-15/DBG 520-20; Coax-Waveguide Adapter HP-X281A; Detector, Crystal HP-423B and HP-R422A; Dual-trace Oscilloscope AN/USM-488; Digital Multimeter AN/USM-486; Digital Multimeter AN/PSM-45; Simulator, Radar Signal SM-674A/UPM; Tool Kit TK-105/G; applicable repair part; DA Form 2404; DA Form 2407; DA PAM 738-751; TM 11-6940-213-12; TM 11-6940-213-30-1; and TM 11-6940-213-30-2.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the SM-674A/UPM Radar Signal Simulator Set or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: Performance measures 2 through 8 refer to TM 11-6940-213-30-1 and TM 11-6940-213-30-2 unless otherwise indicated.

1. Obtained equipment from production control.	___	___
2. Observed all safety precautions.	___	___
3. Performed visual inspection.	___	___
4. Performed test equipment setup procedures.	___	___
5. Performed operational test to determine faulty condition.	___	___
6. Performed troubleshooting procedures to identify faulty AVIM replaceable module/component.	___	___
7. Replaced AVIM level replaceable module/component.	___	___
8. Conducted the performance test to determine acceptability.	___	___
9. Completed DA Form 2404 and DA Form 2407.	___	___
10. Requested technical inspection.	___	___

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404  
DA FORM 2407  
TM 11-6940-213-12  
TM 11-6940-213-30-1  
TM 11-6940-213-30-2

**Related**

DA PAM 738-751

**Repair Radar Signal Detecting Set AN//APR-39A(V)(\*)  
093-35R-1207**

**Conditions:** Given Radar Detecting Set AN/APR-39A(V)(\*); Dual-trace Oscilloscope AN/USM-488; Digital Multimeter AN/PSM-45; Simulator, Radar Signal SM-674A/UPM; Test Adapter Radar Signal MX-9848A/APR-39(\*); Tool Kit TK-105/G; applicable repair part; TM 11-5841-294-12; TM 11-5841-294-30-1; TM 11-5841-294-30-2; TM 11-5841-294-30P; TM 11-6940-213-12; and DA PAM 731-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/APR-39A(V)(\* Radar Signal Detecting Set or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO GO</b></u>
1. Obtained faulty components from production control.	—	—
2. Observed all safety precautions.	—	—
3. Performed visual inspection.	—	—
4. Performed test equipment setup procedures.	—	—
5. Performed operational test to determine faulty condition.	—	—
6. Performed troubleshooting procedures to identify faulty AVIM replaceable module/component.	—	—
7. Replaced AVIM level replaceable module/component.	—	—
8. Conducted the performance test to determine acceptability.	—	—
9. Completed DA Form 2404 and DA Form 2407.	—	—
10. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404  
 DA FORM 2407  
 TM 11-5841-294-30-1  
 TM 11-5841-294-30P  
 TM 11-6940-213-12

**Related**

DA PAM 738-751  
 TM 11-5841-294-12  
 TM 11-5841-294-20P  
 TM 11-5841-294-30-2

Subject Area 3: Transponder Systems

**Repair Transponder Set AN/APX-72  
093-35R-1400**

**Conditions:** Given Dual-trace Oscilloscope AN/USM-488; Transponder Test Set AN/APM-239A or AN/APM-421; Transponder Test Set AN/APM-305A; Electronic Voltmeter ME-202( )/U; Digital Readout Electronic Counter AN/USM-459; Tool Kit TK-100/G; Dummy Load Tester TS-3243 (or locally fabricated load bank); applicable repair part; DA Form 2404; DA Form 2407; TM 11-5895-490-34-1; TM 11-5895-490-35; TM 11-5895-490-20; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/APX-72 Transponder Set or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: All performance measures refer to TM 11-5895-490-34-1 unless otherwise indicated.

1.	Performed preliminary starting procedures.	_____	_____
NOTE: The RT-859A/APX-72 must be depressurized before conducting disassembly procedures.			
2.	Measured power supply voltages.	_____	_____
3.	Performed AN/APX-72 testing procedures.	_____	_____
4.	Localized malfunction to a circuit board assembly or module.	_____	_____
5.	Removed faulty part/component/assembly.	_____	_____
6.	Inspected faulty part/component/assembly to verify it as defective.	_____	_____
7.	Installed functional replacement part/component/assembly.	_____	_____
8.	Connected test equipment.	_____	_____
9.	Performed alignment procedures.	_____	_____
10.	Performed operational checks.	_____	_____
11.	Completed DA Form 2404 and DA Form 2407.	_____	_____
12.	Requested technical inspection.	_____	_____

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 11-5895-490-20
- TM 11-5895-490-34-1
- TM 11-5895-490-35

**Related**

- DA PAM 738-751

**Repair Transponder Set AN/APX-100(V)  
093-35R-1402**

**Conditions:** Given receiver-transmitter RT-1157A/APX-100(V); Transponder Test Set AN/APM-421; Transponder Test Set AN/APM-305A; Digital Multimeter AN/USM-486 or AN/PSM-45; Tool Kit TK-100/G; applicable repair part; DA Form 2404; DA Form 2407; local SOP; TM 11-5895-1037-30&P; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/APX-100(V) Transponder set or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: Performance measures 2 through 5 refer to TM 11-5895-1037-30&P.

1.	Obtained defective system from production control.	—	—
2.	Performed visual inspection.	—	—
3.	Performed operational test to determine faulty condition.	—	—
4.	Replaced defective part/component/assembly.	—	—
5.	Performed functional tests to determine operational readiness.	—	—
6.	Completed DA Form 2404 and DA Form 2407.	—	—
7.	Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 11-5895-1037-30&P

**Related**

- DA PAM 738-751

**Repair Test Set, Transponder AN/APM-421  
093-35R-1404**

**Conditions:** Given Receiver-transmitter RT-1157A/APX-100(V) or RT-(\*)/APX-100(V); Control C-(\*)/APX-100(\*) (used with RT-1157A/APX-100(V)); Dual-trace Oscilloscope AN/USM-488; Digital Multimeter AN/USM-486; Tool Kit TK-100/G; applicable repair part; DA Form 2404; DA Form 2407; local SOP; TM 11-6625-3058-13&P; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/APM-421 transponder set or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO GO</b></u>
NOTE: Performance measures 2 through 8 refer to TM 11-6625-3058-13&P.		
1. Obtained defective test set from production control.	—	—
2. Performed visual inspection.	—	—
3. Performed test equipment setup procedures.	—	—
4. Performed operational test to determine faulty condition.	—	—
5. Performed troubleshooting procedures to identify faulty replaceable module/equipment.	—	—
6. Replaced AVIM-level replaceable module/component.	—	—
7. Performed necessary AVIM-level alignment/adjustments.	—	—
8. Performed the functional tests to determine operational readiness.	—	—
9. Completed DA Form 2404 and DA Form 2407.	—	—
10. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404  
DA FORM 2407  
TM 11-6625-3058-13&P

**Related**

DA PAM 738-751

**Repair Test Set, Transponder AN/APM-239A  
093-35R-1405**

**Conditions:** Given Electronic Voltmeter AN/USM-98; Electronic Voltmeter AN/URM-145; Digital Multimeter AN/USM-486; Dual-trace Oscilloscope AN/USM-488; Electronic Equipment Tool Kit TK-100/G; applicable repair part; DA Form 2404; DA Form 2407; TM 11-6625-842-15; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/APM-239A Transponder test set or identified problems requiring higher level maintenance.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
1. Obtained test set from production control.	—	—
2. Observed all safety precautions.	—	—
3. Performed visual inspection.	—	—
4. Performed test equipment setup procedures.	—	—
5. Performed operational test to determine faulty condition.	—	—
6. Performed troubleshooting procedures to identify faulty AVIM replaceable module/component.	—	—
7. Replaced AVIM-level replaceable module/component.	—	—
8. Performed necessary alignment/adjustments.	—	—
9. Conducted the performance test to determine acceptability.	—	—
10. Completed DA Form 2404 and DA Form 2407.	—	—
11. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 11-6625-842-15

**Related**

- DA PAM 738-751

**Repair Test Set TS-3395A/APM305A  
093-35R-1406**

**Conditions:** Given a TS-3395A/APM305A; DA Form 2404; DA Form 2407; TM 11-6625-2611-12; DA PAM 738-751; and all applicable test equipment.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the TS-3395A/APM305A or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u>GO</u>	<u>NO GO</u>
1. Obtained test set from production control.	—	—
2. Performed troubleshooting and vault verification procedures.	—	—
3. Replaced/repaired defective components.	—	—
4. Performed operational tests.	—	—
5. Completed DA Form 2404 and DA Form 2407.	—	—
6. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404  
DA FORM 2407  
TM 11-6625-2611-12

**Related**

DA PAM 738-751

Subject Area 4: Aviation Night Systems

**Repair Aviator’s Night Vision Imaging System AN/AVS-6  
093-35R-1500**

**Conditions:** Given Collimator Attachment Diopterscope; nitrogen; technical; purge adapter; purging kit, fire; screwdriver, set, jeweler’s; soldering iron, 25W-115W; spanner wrench; test set Aviator’s Night Vision Imaging System (ANVIS), TS-3895/UV (or TS-3895A/UV); tube retainer tool or equivalent equipment; applicable repair part; DA Form 2404; DA Form 2407; TM 11-5855-263-10; TM 11-5855-263-23&P; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/AVS-6 Night Vision Imaging Systems or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: Refer to TM 11-5855-263-23&P for performance measures 2 through 10.

1. Obtained equipment from production control.	_____	_____
2. Observed all safety precautions.	_____	_____
3. Performed visual inspection.	_____	_____
4. Performed test equipment setup procedures.	_____	_____
5. Performed operational test to determine faulty condition.	_____	_____
6. Performed troubleshooting procedures to identify faulty AVIM replaceable module/component.	_____	_____
7. Replaced AVIM-level replaceable component/module.	_____	_____
8. Performed necessary alignment/adjustments.	_____	_____
9. Conducted the performance test to determine acceptability.	_____	_____
10. Performed preventive maintenance checks and services.	_____	_____
11. Completed DA Form 2404 and DA Form 2407.	_____	_____
12. Requested technical inspection.	_____	_____

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2407
- TM 11-5855-263-10
- TM 11-5855-263-23&P

**Related**

- DA PAM 738-751

**Repair Night Vision Test Set TS-3895A/UV  
093-35R-1501**

**Conditions:** Given complete TS-3895A/UV; TM 11-5855-264-14; DA Form 2407; DA PAM 738-751; and all applicable test equipment.

**Standards:** Repaired the TS-3895A/UV or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
1. Obtained test set from production control.	—	—
2. Performed troubleshooting and fault verification procedures.	—	—
3. Repaired/replaced faulty component.	—	—
4. Performed operational tests to verify operational readiness.	—	—
5. Completed DA Form 2407.	—	—
6. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**  
DA FORM 2407  
TM 11-5855-264-14

**Related**  
DA PAM 738-751

Subject Area 5: Aviation Laser Systems

**Repair Laser Detecting Set AN/AVR-2A(V)(\*)  
093-35R-1601**

**Conditions:** Given Test Set TS-4321; Electronic Equipment Tool Kit TK-105/G; Oscilloscope AN/USM-488 (or equivalent); Digital Multimeter AN/PSM-45 (or equivalent); torque wrench, 1/4-inch drive, 0-25 inch-pounds; torque wrench, 1/4-inch drive, 0-32 inch-pounds; screwdriver, cross-tip, No. 0; 4-inch shank; torque wrench, 8.0 +/- 0.3 inch-pounds, with 5/16-inch and 1/4-inch open-end wrench bits; No. 1 socket wrench attachment; screwdriver with 1/4-inch drive; No. 2 socket wrench attachment; screwdriver with 1/4-inch drive; socket 5/32-inch, with 1/4-inch drive; wrench, open-end, 5/16-inch drive; screwdriver bit, No. 0 cross-tip with 1/4-inch socket drive; screwdriver bit, No. 1 cross-tip, extended (6-inch) with 1/4-inch drive; applicable repair part; TM 11-5841-301-30-1; DA Form 2404; DA Form 2407; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/AVR-2A(V)(\*) Laser Detecting Set or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: Refer to TM 11-5841-301-30-1 for performance measures 2 through 9.

1.	Obtained system from production control.	—	—
2.	Observed all safety precautions.	—	—
3.	Performed visual inspection.	—	—
4.	Performed test equipment setup procedures.	—	—
5.	Performed operational test to determine faulty condition.	—	—
6.	Performed troubleshooting procedures to identify faulty AVIM replaceable module/component.	—	—
7.	Replaced AVIM-level replaceable component/module.	—	—
8.	Performed necessary alignment/adjustments.	—	—
9.	Conducted the performance test to determine acceptability.	—	—
10.	Completed DA Form 2404 and DA Form 2407.	—	—
11.	Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404

DA FORM 2407

TM 11-5841-301-12

TM 11-5841-301-23P

TM 11-5841-301-30-1

TM 11-5841-301-30-2

TM 11-6625-3233-13-1

TM 11-6625-3233-13-2

**Related**

DA PAM 738-751

**Repair Laser Detecting Test Set TS-4321/AVR-2  
093-35R-1602**

**Conditions:** Given Test Set TS-4321/AVR-2; Electronic Equipment Tool Kit TK-105/G; Oscilloscope AN/USM-488 (or equivalent); Digital Multimeter AN/PSM-45 (or equivalent); torque wrench, ¼-inch drive, 0-25 inch-pounds; torque wrench, ¼-inch drive, 0-32 inch-pounds; screwdriver, cross-tip, No. 0; 4-inch shank; torque wrench, 8.0 +/- 0.3 inch-pounds, with 5/16-inch and ¼-inch open-end wrench bits; No. 1 socket wrench attachment; screwdriver with ¼-inch drive; No. 2 socket wrench attachment; screwdriver with ¼-inch drive; socket 5/32-inch, with ¼-inch drive; wrench, open-end, 5/16-inch drive; screwdriver bit, No. 0 cross-tip with ¼-inch socket drive; screwdriver bit, No. 1 cross-tip, extended (6-inch) with ¼-inch drive; applicable repair part; TM 11-5841-301-30-1; DA Form 2404; DA Form 2407; and DA PAM 738-751.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the TS-4321/AVR-2 Laser Detecting test set or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
1. Obtained equipment from production control.	—	—
2. Observed all safety precautions.	—	—
3. Performed visual inspection.	—	—
4. Performed test equipment setup procedures (TM 11-6625-3233-13-1).	—	—
5. Performed operational test to determine faulty condition (TM 11-6625-3233-13-1).	—	—
6. Performed troubleshooting procedures to identify faulty AVIM replaceable module/component.	—	—
7. Replaced AVIM-level replaceable component/module.	—	—
8. Performed necessary alignment/adjustments.	—	—
9. Conducted the performance test to determine acceptability.	—	—
10. Completed DA Form 2404 and DA Form 2407.	—	—
11. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404

DA FORM 2407

DA PAM 738-751

TM 11-6625-3233-13-1

**Related**

TM 11-6625-3233-13-2

Subject Area 6: Navigation Systems

**Repair AN/ARN-89 ADF Set  
093-35R-1708**

**Conditions:** Given Receiver, Radio R-1496(\*) AN/ARN-89; Control C-7392(\*)/ARN-89 (fully operational); Test Facilities Kit MK-994/AR; Digital Multimeter AN/USM-486; Oscilloscope AN/USM-488; Headset H-101(\*)/U; Electronic Counter AN/USM-459; Adapter UG-274/U; Signal Generator SG-1170/U; Test Facilities Kit MK-1191/AR; Electronic Voltmeter AN/URM-145; Tool Kit, Electronic Equipment TK-100/G; Tool Kit, TK-105/G; DA Form 2407; DA PAM 738-751; and TM 11-5826-227-34.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the R-1496 (\*) AN/ARN-89 ADF set.

**Performance Measures**

NOTE: Performance measures 1 and 9 refer to DA PAM 738-751. Performance measures 2 through 8 refer to TM 11-5826-227-34. Performance measure 10 refers to local SOP.

	<u>GO</u>	<u>NO GO</u>
1. Analyzed deficiencies or symptoms listed on DA Form 2407.	___	___
2. Reviewed technical manual for safety precautions and performed initial inspection.	___	___
3. Connected test equipment.	___	___
4. Performed bench test.	___	___
5. Performed localization procedures.	___	___
6. Performed isolation procedures.	___	___
7. Performed repair procedures.	___	___
8. Performed alignment/adjustment.	___	___
9. Completed DA Form 2407.	___	___
10. Requested technical inspection.	___	___

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2407  
TM 11-5826-227-20  
TM 11-5826-227-34

**Related**

DA PAM 738-751

**Repair VOR Test Set AN/ARM-92(\*)**  
**093-35R-1714**

**Conditions:** Given Digital Multimeter AN/USM-486; Output Meter TS-585 (\*)/U1; Oscilloscope ANUSM-488; Headset H-101(\*)/U; Tool Kit, Electronic Equipment TK-100/G; Tool Kit, TK-105/G; DA Form 2407; DA PAM 738-751; TM 11-6625-2709-40; AN/ARM 92(\*)

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/ARM-92(\*) or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u>GO</u>	<u>NO GO</u>
NOTE: Performance measures 1 and 14 refer to DA PAM 738-751. Performance measures 2 through 14 refer to TM 11-6625-2709-40.		
1. Analyzed deficiencies or symptoms listed on DA Form 2407.	—	—
2. Reviewed technical manual for safety precautions and performed initial inspection.	—	—
3. Performed test setup to test control, radio-magnetic indicator (rmi), optical boresight system (obs), and test set.	—	—
4. Performed test procedures for the aid box.	—	—
5. Performed test equipment setup for control unit test.	—	—
6. Performed test procedures for control unit test.	—	—
7. Performed test equipment setup for control unit test.	—	—
8. Performed test procedures for control unit glide slope test.	—	—
9. Performed test equipment setup for obs indicator precision bearing test.	—	—
10. Performed test procedures for obs indicator precision bearing test.	—	—
11. Performed test set equipment setup for meter movement accuracy test.	—	—
12. Performed test procedures for meter movement accuracy test.	—	—
13. Performed troubleshooting chart when faults were detected.	—	—
14. Performed alignment procedures for radio test set AN/ARM-92B.	—	—
15. Completed DA Form 2407.	—	—
16. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**  
DA FORM 2407  
TM 11-6625-2709-40

**Related**  
DA PAM 738-751  
TM 11-6625-2709-12  
TM 11-6625-2709-40P

**Repair Maintenance Kit MK-994  
093-35R-1716**

**Conditions:** Given the following: MK-994; Digital Multimeter AN/USM-486; Output Meter TS -585 (\*)/U1; Oscilloscope ANUSM-488; Headset H-101(\*)/U; Tool Kit, Electronic Equipment TK-100/G; Tool Kit, TK-105/G; DA Form 2407; DA PAM 738-751; and TM 11-6625-928-35.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the MK-994 maintenance kit or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u>GO</u>	<u>NO GO</u>
NOTE: Performance measures 1 and 9 refer to DA PAM 738-751. Performance measures 2 through 8 refer to TM 11-6625-928-35.		
1. Analyzed deficiency or symptoms listed on DA Form 2407.	—	—
2. Reviewed technical manual for safety precautions and performed initial inspection.	—	—
3. Connected test equipment.	—	—
4. Performed operational test.	—	—
5. Performed fault localizing procedures.	—	—
6. Performed fault isolation procedures.	—	—
7. Performed repair procedures.	—	—
8. Performed alignment/adjustment as required for each test failed.	—	—
9. Completed DA Form 2407.	—	—
10. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2407  
TM 11-6625-928-35

**Related**

DA PAM 738-751

**Repair VOR Signal Generator AN/ARN-180**  
**093-35R-1718**

**Conditions:** Given the following: AN/ARM-180; Digital Multimeter AN/USM-486; Output Meter TS-585 (\*)/U1; Oscilloscope ANUSM-488; Headset H-101(\*)/U; Tool Kit, Electronic Equipment TK-100/G; Tool Kit TK-105/G; DA Form 2407; DA PAM 738-751; TM 11-6625-2975-40.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the AN/ARM-180 VOR signal generator or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO NO GO**

NOTE: Performance measures 1 and 19 refer to DA PAM 738-751. Performance measures 2 through 18 refer to TM 11-6625-2975-40.

1.	Analyzed deficiencies or symptoms listed on DA Form 2407.	—	—
2.	Reviewed technical manual for safety precautions and performs initial inspection.	—	—
3.	Performed initial power on, self test, and operational check.	—	—
4.	Connected test equipment.	—	—
5.	Performed fault isolation procedures.	—	—
6.	Performed frequency accuracy performance test.	—	—
7.	Performed equipment setup and frequency response test.	—	—
8.	Performed equipment setup and output attenuator accuracy performance test.	—	—
9.	Performed equipment setup and modulation tone distortion performance test.	—	—
10.	Performed equipment setup and 9960 frequency modulation (FM) deviation performance tests.	—	—
11.	Performed equipment setup and VOR radial accuracy performance test.	—	—
12.	Performed equipment setup and localizer (LOC) difference in depth of modulation (DDM) performance test.	—	—
13.	Performed equipment setup and glide slope DDM performance test.	—	—
14.	Performed equipment setup and amplitude modulation (AM) performance test.	—	—
15.	Performed equipment setup and power supply test.	—	—
16.	Performed fault isolation procedures.	—	—
17.	Performed repair procedures as directed for each test.	—	—
18.	Performed alignment and adjustment procedures.	—	—
19.	Completed DA Form 2407.	—	—
20.	Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2407

TM 11-6625-2975-40

**Related**

DA PAM 738-751

Subject Area 7: Flight Control Systems

**Repair Automated Flight Control System (AFCS)  
093-35R-1800**

**Conditions:** Given the CH-47D AFCS control panel; AFCS Bench Test Set 145G0008-1; Digital Multimeter AN/USM-486; Tool Kit, Electronic TK-105/G; DA Form 2407; DA PAM 738-751; TM 55-1520-240-23-9; TM 55-1520-240-T-3; TM 55-4920-430-13; and Contact Insertion/Removal Tool M83723-31-20.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the CH-47D Automated Flight Control System or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: Performance measures 1 and 7 refer to DA PAM 738-751. Performance measures 2, 3, and 6 refer to TM 55-1520-240-23-9. Performance measures 2 and 5 refer to TM 55-1520-240-T-3.

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| <ol style="list-style-type: none"> <li>1. Analyzed deficiencies or symptoms listed on DA Form 2407.</li> <li>2. Reviewed technical manual for safety precautions and performed visual inspection.</li> <li>3. Performed preliminary procedures.</li> <li>4. Performed bench test.</li> <li>5. Performed fault isolation procedures.</li> <li>6. Performed repair procedures.</li> <li>7. Completed DA Form 2407.</li> <li>8. Requested technical inspection.</li> </ol> | <table border="0"> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> <tr><td>_____</td><td>_____</td></tr> </table> | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |
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**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
- TM 55-1520-240-23-9
- TM 55-1520-240-T-3
- TM 55-4920-430-13

**Related**

- DA PAM 738-751

**Repair AFCS Test Set  
093-35R-1801**

**Conditions:** Given the following: CH-47D AFCS computer unit; AFCS Bench Test Set 145G0008-1; Digital Multimeter AN/USM-486; Simulator, Aircraft Displacement AN/ASM-120; table, displacement rate 114E5998-1; Tester, Pilot-Static GA41004; Tool Kit, Electronic TK-105/G; DA Form 2407; DA PAM 738-751; TB 43-0127; TM 55-1520-240-23-9; TM 55-1520-240-T-3; and TM 55-4920-430-13.

NOTE: Substitutions for equipment may be made in accordance with test equipment modernization (TEMOD) publications.

**Standards:** Repaired the CH-47D AFCS Test Set or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: Performance measures 1 and 8 refer to DA PAM 738-751. Performance measures 4, 5, and 7 refer to TM 55-1520-240-23-9. Performance measures 2 and 6 refer to TM 55-1520-240-T-3.

1. Analyzed deficiencies or symptoms listed on DA Form 2407.	—	—
2. Reviewed technical manual for safety precautions and performed visual inspection.	—	—
3. Performed preliminary procedures.	—	—
4. Performed bench test.	—	—
5. Performed adjustment procedures.	—	—
6. Performed fault isolation procedures.	—	—
7. Performed repair/adjustment procedures.	—	—
8. Completed DA Form 2407.	—	—
9. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

TB 43-0127  
TM 55-1520-240-23-9  
TM 55-4920-430-13

**Related**

DA PAM 738-751  
TM 55-1520-240-T-3

Subject Area 8: Maintenance Equipment

**Operate a Trailer Mounted Generator Set  
093-35R-1901**

**Conditions:** Given a trailer mounted generator set (PU 650 or equivalent), a load, DA Form 5988-E (Equipment Inspection Maintenance Worksheet), and the applicable technical manual.

**Standards:** Operated the generator set in accordance with the technical manual and observed all safety precautions.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
1. Performed "before" preventive maintenance checks and services (PMCS).	—	—
2. Grounded the generator.	—	—
3. Shut off generator and connected it to a load.	—	—
4. Started generator and performed "during" PMCS.	—	—
5. Shut down generator and performed "after" PMCS.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 5988-E

**Related**

**Operate Avionic/Electronic Shop Shelter AN/ASM-189 or AN/ASM-190  
093-35R-1902**

**Conditions:** Given an AN/ASM-189 or AN/ASM-190 Electronic Shop Shelter, Multimeter AN/PSM-45A, and the applicable technical manual.

**Standards:** Employed the AN/ARM-189 van to operational status.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
1. Connected shelter to a power source.	—	—
2. Performed preventive maintenance checks and services (PMCS) on the electronic control unit (ECU).	—	—
3. Demonstrated ability to distinguish between different power receptacles; that are 400Hz, 28 volts direct current (VDC), 110, and so forth.	—	—
4. Applied 28 VDC to bench.	—	—
5. Applied 400 Hz to bench.	—	—
6. Adjusted power source to ensure that 110V power in the shelter is delivered at 60 Hz.	—	—
7. Leveled the shelter, employed stairs, blackout curtains, and customer service entrance.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**  
TM 11-4940-209-15

**Related**

Subject Area 9: OH58D (ASI W5)

**Repair Mast Mounted Sight System Processor (MSP)  
093-35R-1001**

**Conditions:** Given AN/TSM-173 Test Support System (TSS), with all applicable equipment installed; mast mounted sight system processor (MSP), defective; Tool Kit TK-100/G; circuit card retainer wrench; card puller, Protolab 5200 and 5210; torque screwdriver kit; heat gun, portable; applicable repair part; DA Form 2404; DA Form 2407; DA PAM 738-751; TM 9-4935-780-13-1; TM 9-4935-780-13-2; and TM 9-1240-778-23.

**Standards:** Repaired the MSP or identified problems requiring higher-level maintenance.

**Performance Measures**

NOTE: Performance measures 1 through 7 refer to TM 9-4935-780-13-1 unless otherwise indicated.

	<u>GO</u>	<u>NO GO</u>
1. Performed visual inspection.	___	___
2. Performed equipment setup procedures.	___	___
3. Performed MSP test to determine faulty conditions, using test support system.	___	___
4. Performed troubleshooting procedures to identify faulty AVIM-level replaceable module/component.	___	___
5. Replaced AVIM-level replaceable module/component (TM 9-1240-778-23).	___	___
6. Performed necessary alignments/adjustments.	___	___
7. Performed MSP test to determine operational acceptability.	___	___
8. Completed DA Form 2404 and DA Form 2407.	___	___
9. Requested technical inspection.	___	___

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 9-1240-778-23
- TM 9-4935-780-13-1
- TM 9-4935-780-13-2

**Related**

- DA PAM 738-751

**Repair Gyro Electronics Assembly (GEA)  
093-35R-1002**

**Conditions:** Given AN/TSM-173 Test Support System (TSS) with all applicable equipment installed; defective gyro electronics assembly (GEA), Tool Kit TK-100/G; torque screwdriver kit, vise, installation tool assembly, Deutsch No FRB 7503-X, applicable repair part, DA Form 2404, DA Form 2407, DA PAM 738-751, TM 9-4935-780-13-1, TM 9-4935-780-13-2, and TM 9-1240-778-23.

**Standards:** Repaired the GEA or identified problems requiring higher-level maintenance.

**Performance Measures**

NOTE: Performance measures 1 through 7 refer to TM 9-4935-780-13-1 and TM 9-4935-780-13-2 unless otherwise indicated.

	<u>GO</u>	<u>NO GO</u>
1. Performed visual inspection.	___	___
2. Performed equipment setup procedures.	___	___
3. Performed GEA test to determine faulty conditions, using test support system.	___	___
4. Performed troubleshooting procedures to identify faulty AVIM-level replaceable module/component.	___	___
5. Replaced AVIM-level replaceable module/component (TM 9-1240-778-23).	___	___
6. Performed necessary alignments/adjustments.	___	___
7. Performed GEA test to determine operational acceptability.	___	___
8. Completed DA Form 2404 and DA Form 2407.	___	___
9. Requested technical inspection.	___	___

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 9-1240-778-23
- TM 9-4935-780-13-1
- TM 9-4935-780-13-2

**Related**

- DA PAM 738-751

**Repair Internal Multiplexer Electronics Assembly (IEA)  
093-35R-1003**

**Conditions:** Given the following: AN/TSM-173 Test Support System (TSS) with all applicable equipment installed; internal multiplexer electronics assembly (IEA), defective; Tool Kit TK-100/G; Card Pullers 1D54207 and 1D54208-1 5; handling block, 1D54206-1; torque screwdriver kit; Card Press, 1D54205-1; vise, machinist's; installation tool assembly, Deutsch No. FRB7503-X; applicable repair part; DA Form 2404; DA Form 2407; DA PAM 738-751; TM 9-4935-780-13-1; and TM 9-4935-780-13-2.

**Standards:** Repaired the IEA or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO GO</b></u>
NOTE: Performance measures 1 through 7 refer to TM 9-4935-780-13-1 and TM 9-4935-780-13-2 unless otherwise indicated.		
1. Performed visual inspection.	—	—
2. Performed equipment setup procedures.	—	—
3. Performed IEA test to determine faulty conditions, using test support system.	—	—
4. Performed troubleshooting procedures to identify faulty AVIM-level replaceable module/component.	—	—
5. Replaced AVIM-level replaceable module/component.	—	—
6. Performed necessary alignments/adjustments.	—	—
7. Performed IEA test to determine operational acceptability.	—	—
8. Completed DA Form 2404 and DA Form 2407.	—	—
9. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 9-1240-778-23
- TM 9-4935-780-13-1
- TM 9-4935-780-13-2

**Related**

- DA PAM 738-751

**Repair Mast Mounted Sight Central Power Supply (MCPS)  
093-35R-1004**

**Conditions:** Given the following: AN/TSM-173 Test Support System (TSS) with all applicable equipment installed; mast-mounted sight central power supply (MCPS), defective; Tool Kit TK-100/G; torque screwdriver kit; Card Puller, Protolab 5200; heat gun, portable; applicable repair part; DA Form 2404; DA Form 2407; DA PAM 738-750; TM 9-4935-780-13-1; and TM 9-1240-778-23.

**Standards:** Repaired the MCPS or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: Performance measures 1 through 7 refer to TM 9-4935-780-13-1 unless otherwise indicated.

1. Performed visual inspection (TM 1-1427-779-23).	—	—
2. Performed equipment setup procedures.	—	—
3. Performed MCPS test to determine faulty conditions, using test support system.	—	—
4. Performed troubleshooting procedures to identify faulty AVIM-level replaceable module/component.	—	—
5. Replaced AVIM-level replaceable module/component (TM 1-1427-779-23).	—	—
6. Performed necessary alignments/adjustments.	—	—
7. Performed MCPS test to determine operational acceptability.	—	—
8. Completed DA Form 2404 and DA Form 2407.	—	—
9. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404  
DA FORM 2407  
TM 9-1240-778-23  
TM 9-4935-780-13-1

**Related**

DA PAM 738-751

**Repair Remote Frequency Display (RFD)  
093-35R-1005**

**Conditions:** Given AN/TSM-173 Test Support System (TSS) with all applicable equipment installed; remote frequency display (RFD), defective; Tool Kit TK-100/G; ohmmeter; applicable repair part; static control work station; DA Form 2404; DA Form 2407; DA PAM 738-751; TM 1-1427-779-23; TM 9-4935-780-13-1; and TM 9-4935-780-13-2.

**Standards:** Repaired the RFD or identified problems requiring higher-level maintenance.

**Performance Measures**

**GO      NO GO**

NOTE: Performance measures 1 through 7 refer to TM 9-4935-780-13-1 unless otherwise indicated.

1.	Performed visual inspection (TM 1-1427-779-23).	—	—
2.	Performed equipment setup procedures.	—	—
3.	Performed RFD test to determine faulty conditions, using test support system.	—	—
4.	Performed troubleshooting procedures to identify faulty AVIM-level replaceable module/component.	—	—
5.	Replaced AVIM-level replaceable module/component (TM 1-1427-779-23).	—	—
6.	Performed necessary alignments/adjustments.	—	—
7.	Performed RFD test to determine operational acceptability.	—	—
8.	Completed DA Form 2404 and DA Form 2407.	—	—
9.	Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 1-1427-779-23
- TM 9-4935-780-13-1
- TM 9-4935-780-13-2

**Related**

- DA PAM 738-751
- TM 1-1427-779-23P

**Repair Master Controller Processor Unit (MCPU)  
093-35R-1006**

**Conditions:** Given AN/TSM-173 Test Support System (TSS) with all applicable equipment installed; master controller processor unit (MCPU), defective; ohmmeter; Tool Kit TK-100/G; torque tool kit; applicable repair part; static control work station; DA Form 2404; DA Form 2407; DA PAM 738-750; TM 9-4935-780-13-1; TM 9-4935-780-13-2; and TM 1-1427-779-23.

**Standards:** Repaired the MCPU or identified problems requiring higher-level maintenance.

**Performance Measures**

NOTE: Performance measures 1 through 7 refer to TM 9-4935-780-13-1 and TM 9-4935-780-13-2 unless otherwise indicated.

	<u>GO</u>	<u>NO GO</u>
1. Performed visual inspection (TM 1-1427-779-23).	—	—
2. Performed equipment setup procedures.	—	—
3. Performed MCPU test to determine faulty conditions, using test support system.	—	—
4. Performed troubleshooting procedures to identify faulty AVIM-level replaceable module/component.	—	—
5. Replaced AVIM-level replaceable module/component (TM 1-1427-779-23).	—	—
6. Performed necessary alignments/adjustments.	—	—
7. Performed MCPU test to determine operational acceptability.	—	—
8. Completed DA Form 2404 and DA Form 2407.	—	—
9. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 1-1427-779-23
- TM 9-4935-780-13-1
- TM 9-4935-780-13-2

**Related**

- DA PAM 738-751
- TM 1-1427-779-23P
- TM 11-6625-778-13&P-1

**Repair Keyboard Unit (KU)  
093-35R-1007**

**Conditions:** Given an AN/TSM-173 Test Support System (TSS) with all applicable equipment installed; defective keyboard unit (KU), ohmmeter, Tool Kit TK-100/G, applicable repair part, static control work station, DA Form 2404, DA Form 2407, DA PAM 738-751, TM 9-4935-780-13-1, TM 9-4935-780-13-2, and TM 1-1427-779-23.

**Standards:** Repaired the KU or identified problems requiring higher-level maintenance.

**Performance Measures**

NOTE: Performance measures 1 through 7 refer to TM 9-4935-780-13-1 and TM 9-4935-780-13-2 unless otherwise indicated.

	<u>GO</u>	<u>NO GO</u>
1. Performed visual inspection (TM 1-1427-779-23).	—	—
2. Performed equipment setup procedures.	—	—
3. Performed KU test to determine faulty conditions, using test support system.	—	—
4. Performed troubleshooting procedures to identify faulty AVIM-level replaceable module/component.	—	—
5. Replaced AVIM-level replaceable module/component (TM 1-1427-779-23).	—	—
6. Performed necessary alignments/adjustments.	—	—
7. Performed KU test to determine operational acceptability.	—	—
8. Completed DA Form 2404 and DA Form 2407.	—	—
9. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 1-1427-779-23
- TM 9-4935-780-13-1
- TM 9-4935-780-13-2

**Related**

- DA PAM 738-751
- TM 1-1427-779-23P

**Repair Multifunction Display (MFD)  
093-35R-1008**

**Conditions:** Given AN/TSM-173 Test Support System (TSS) with all applicable equipment installed; multifunction display (MFD), defective; ohmmeter; safety goggles; apron; foam pad and block; pliers, nylon-tipped; screwdriver with insulated blade; Tool Kit TK-100/G; applicable repair part; static control work station; DA Form 2404; DA Form 2407; DA PAM 738-751; TM 9-4935-780-13-1; TM 9-4935-780-13-2; and TM 1-1427-779-23.

**Standards:** Repaired the MFD or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<u>GO</u>	<u>NO GO</u>
NOTE: Performance measures 1 through 7 refer to TM 9-4935-780-13-1 and TM 9-4935-780-13-2 unless otherwise indicated.		
1. Performed visual inspection (TM 1-1427-779-23).	—	—
2. Performed equipment setup procedures.	—	—
3. Performed MFD test to determine faulty conditions, using test support system.	—	—
4. Performed troubleshooting procedures to identify faulty AVIM-level replaceable module/component.	—	—
5. Replaced AVIM-level replaceable module/component (TM 1-1427-779-23).	—	—
6. Performed necessary alignments/adjustments (TM 1-1427-779-23).	—	—
7. Performed MFD test to determine operational acceptability.	—	—
8. Completed DA Form 2404 and DA Form 2407.	—	—
9. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

DA FORM 2404  
DA FORM 2407  
TM 1-1427-779-23  
TM 9-4935-780-13-1  
TM 9-4935-780-13-2

**Related**

DA PAM 738-751  
TM 1-1427-779-23P

**Repair Integrated System Processor (ISP)****093-35R-1009**

**Conditions:** Given automatic test equipment; bench covering and floor mat, conductive; chip guard; generator set (NSN 6116-00-127-8544); torque screwdriver; test program set TPS-1; test program set TPS-13; test program set TPS-20; thermal drying oven; Tool Kit TK-100/G; Tool Kit TK-105/G; torque, tip, 3/32 inches; wrist strap, static control; DA Form 2404; DA Form 2407; DA PAM 738-751; TM 9-4935-780-13-1; TM 11-6625-778-13&P-1; TM 9-4935-780-13-2; TM 1-1427-779-23; and TM 1-1427-779-23P.

**Standards:** Repaired the ISP or identified problems requiring higher-level maintenance.

<b>Performance Measures</b>	<b>GO</b>	<b>NO GO</b>
1. Obtained equipment from production control.	—	—
2. Observed all safety precautions.	—	—
3. Performed visual inspection.	—	—
4. Performed test equipment setup procedures.	—	—
5. Performed operational test to determine faulty condition.	—	—
6. Performed troubleshooting procedures to identify faulty AVIM-replaceable module/component.	—	—
7. Replaced AVIM-level replaceable module/component.	—	—
8. Performed necessary alignment/adjustments.	—	—
9. Conducted the performance test to determine acceptability.	—	—
10. Performed preventive maintenance checks and services (PMCS).	—	—
11. Completed DA Form 2404 and DA Form 2407.	—	—
12. Requested technical inspection.	—	—

**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 a performance measure, show what was done wrong and how to do it correctly.

**References****Required**

DA FORM 2404

DA FORM 2407

TM 1-1427-779-23

TM 1-1427-779-23P

TM 11-6625-778-13&amp;P-1

TM 9-4935-780-13-1

TM 9-4935-780-13-2

**Related**

DA PAM 738-751

**Repair AN/TSM-173 Test Support System (TSS)  
093-35R-1010**

**Conditions:** Given AN/TSM-173 Test Support System (TSS) with all applicable equipment installed; Tool Kit TK-100/G; applicable repair part; DA Form 2404; DA Form 2407; DA PAM 738-751; TM 9-4935-780-13-1; and TM 9-4935-780-13-2.

**Standards:** Repaired the AN/TSM-173 TSS or identified problems requiring higher-level maintenance.

**Performance Measures**

NOTE: Performance measures 1 through 7 refer to TM 9-4935-780-13-1 and TM 9-4935-780-13-2.

	<u>GO</u>	<u>NO GO</u>
1. Performed visual inspection.	___	___
2. Performed equipment setup procedures.	___	___
3. Performed TSS self-test to determine faulty conditions, using test support system.	___	___
4. Performed troubleshooting procedures to identify faulty AVIM-level replaceable module/component.	___	___
5. Replaced AVIM-level replaceable module/component.	___	___
6. Performed necessary alignments/adjustments.	___	___
7. Performed TSS self-test to determine operational acceptability.	___	___
8. Completed DA Form 2404 and DA Form 2407.	___	___
9. Requested technical inspection.	___	___

**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 a performance measure, show what was done wrong and how to do it correctly.

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- TM 9-4935-780-13-1
- TM 9-4935-780-13-2

**Related**

- DA PAM 738-751

Skill Level 3

Subject Area 10: Avionic Shop Supervisory Duties

**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 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 risks 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.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
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 prior to 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.	—	—

**Performance Measures**

	<u>GO</u>	<u>NO GO</u>
12. Inspected the maintenance section/shop to ensure that all physical and high-voltage hazards had been identified.	—	—
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 25-2, AR 380-40, DA PAM 190-51, FM 3-19.30, and local and unit 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.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO GO</b></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:	—	—
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:	—	—
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 25-2  
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, to include TMDE master listing for the program; DA Form 3758-R (Calibration and Repair Requirements Worksheet); DA Label 80 (US Army Calibrated Instrument); TB 43-180; TB 750-25; and company SOPs. 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.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
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 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.		

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

- |    |   |   |   |
|----|---|---|---|
| 9. | Maintained a temporary storage area for calibrate before use (CBU) equipment: | — | — |
| 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**



<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
5. MSC acknowledged receipt and began screening stocks within 24 hours of the report.	—	—
6. Kept one copy of the SF Form 368 until the case was closed by the Army screening point.	—	—
7. Sent one copy of the SF Form 368 to the support maintenance activity. NOTE: Send SF Form 368 even if - -	—	—
(1) Correspondence indicated the problem was known to exist.		
(2) Other units have sent in a QDR on the same problem.		
8. Identified defective equipment as exhibit(s).	—	—
9. Retained QDR exhibits in accordance with DA Pam 738-750.	—	—
10. Followed disposition instructions received from the responsible MSC action office for the exhibits. NOTE: Follow steps 11-18 for preparation of Quality Deficiency Reports on Aviation equipment.	—	—
11. Identified any of the following conditions that indicated an Aviation quality deficiency existed, in accordance with DA Pam 738-751, Chapter 3.	—	—
a. Identified a condition involving personnel safety or SOF as defined in AR 95-1.		
b. Identified that the suspected or confirmed materiel failure was the cause of a Class A, B, C, D, or E aircraft mishap.		
c. Identified a materiel failure or fault that would cause a hazard to personnel, equipment, or safe completion of the mission.		
d. Identified the equipment did not work properly because of bad design and / or materiel, or low-quality workmanship during manufacture, modification, conversion, repair, overhaul, or rebuild.		
e. Identified environmental conditions that caused aircraft, aviation associated equipment, including mission related equipment, components and modules, repair parts, systems, and / or subsystem to fail.		
f. During initial test or use, found a stock funded depot level reparable (SFDLR) item to be defective and such defect was not caused by user accident, misuse, improper installation and / or operation, unauthorized repair, or alteration.		
12. Identified deficiencies as Category I or Category II.	—	—
a. Identified any of the following as a Category I deficiency.		
(1) Identified an unsafe condition, operation or maintenance procedure for aircraft, mission related equipment, component and module, or repair part whose use was critical to airworthiness.		
(2) Identified any failure that could be expected to cause loss of the aircraft and /or serious injuries to the air crew or ground personnel.		

**Performance Measures**

**GO**      **NO GO**

(3) Found that the reason for failure, identified or suspected, did not provide enough warning for the aircrew to complete a safe landing and it was reasonable to assume that the problem could be present in other aircraft of the mission, design, and series (MDS).

(4) Identified incorrect or missing data in technical publications that may cause a hazardous operational or maintenance problem.

b. Identified as a Category II deficiency any defect that did not meet the criteria for a Category I deficiency.

13. Prepared SF Form 368 for Category I or Category II deficiency in accordance with DA Pam 738-751, Chapter 3.      \_\_\_\_\_      \_\_\_\_\_

14. Submitted a Category I or Category II report in accordance with DA Pam 738-751.      \_\_\_\_\_      \_\_\_\_\_

15. Distributed file copies of the SF Form 368 in accordance with DA Pam 738-751. NOTE: Send SF Form 368 even if - -      \_\_\_\_\_      \_\_\_\_\_

(1) the manufacturers' representatives have shown that they are aware of the problem.

(2) another unit within your command has already sent a deficiency report on the same problem.

16. Identified defective equipment as exhibit(s).      \_\_\_\_\_      \_\_\_\_\_

17. Received acknowledgment of receipt of Category I report within 48 hours by Aviation and Missile Command (AMCOM), or within 7 days for Category II. The acknowledgement included the disposition instructions for exhibits.      \_\_\_\_\_      \_\_\_\_\_

18. Followed disposition instructions received from the AMCOM action office for the exhibits.      \_\_\_\_\_      \_\_\_\_\_

**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 2332
- SF FORM 368
- TB 43-0001-SERIES

**Related**

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

**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, and SF Form 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.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
1. Identified conditions that indicated a need to improve the performance and /or maintenance of equipment.	—	—
a. Identified a condition in or with the equipment, which was dangerous to people, other equipment, or the mission.		
b. Identified an item or piece of equipment that did not work right or lasted as long as it should because of bad design or materials.		
c. Identified items that were not within the approved equipment specifications.		
d. Identified low-quality workmanship.		
e. Identified dangerous situations due to incorrect or missing data.		
f. Identified maintenance problems.		
g. Identified conditions that prevented using the equipment.		
h. Identified repeated problems that take a lot of time with no solution in sight.		
i. Identified problems requested to be reported by the National Maintenance Point (NMP).		
2. Reported Category I or Category II recommendations for improvements.	—	—
a. Reported Category I recommendations for any of the following improvements.		
(1) Recommended improvements that prevent death, injury, or severe job illness.		
(2) Recommended improvements that prevent loss or major damage to equipment.		
(3) Recommended improvements that will affect the combat readiness capabilities of the unit.		
b. Reported as a Category II recommendation any recommendation that does not meet the criteria of a Category I equipment improvement recommendation.		
3. Sent in a Category I or Category II equipment improvement recommendation.	—	—
a. Prepared SF Form 368 in accordance with DA Pam 738-750, Chapter 11.		
b. Sent a message within 48 hours (Category 1 recommendation) or 5 days (Category II recommendations) after defect or problem was found.		
c. Kept one copy of the SF Form 368 until the case was closed by the Army screening point.		
d. Sent one copy of the SF Form 368 to the support maintenance activity.		
4. 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  
SF FORM 368

**Related**

DA PAM 738-751

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

**Conditions:** Perform this task given DA Forms 2407 or DA Form 5990-E (Maintenance Request)/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 5990-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.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO GO</b></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 5990-E  
TM 38-L09-11

**Related**

DA FORM 2407-1  
DA PAM 738-750  
DA PAM 738-751  
FM 4-30.3

**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 (Preventive Maintenance Schedule and Record), 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 (Uncorrected Fault Record) 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.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
1. Coordinated with the motor pool section prior to 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

**Related**

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

**References**

**Required**

DA PAM 738-751  
DD FORM 314

**Related**

**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.

<b>Performance Measures</b>	<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 2404
- DA FORM 2407
- DA FORM 5988-E
- DA FORM 5990-E
- DA PAM 738-750
- DA PAM 738-751
- TB 385-4

**Related**

**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.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO GO</b></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 5988-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-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 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.

<b>Performance Measures</b>	<u>GO</u>	<u>NO GO</u>
1. Checked the equipment to determine if it was complete and 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

**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 an SOP that was reviewed by the supervisor/commander and approved by the commander/supervisor. Implemented all recommended changes.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
1. Developed a basic SOP format to ensure it met organization's/element's specific needs and/or requirements for the maintenance facility:	—	—
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:	—	—
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  
FM 101-5  
FM 24-16  
FM 4-30.3  
TC 43-4

**Related**

**Perform In-Process Inspections**  
**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.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO GO</b></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

**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 (Hand Receipt/Annex Number), 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.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO GO</b></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 (Unserviceable (Condemned) Tag – Materiel), DD Form 1577-1 (Unserviceable (Condemned) Label – Materiel), DD Form 1577-2 (Unserviceable (Reparable) Tag – Materiel), DD Form 1577-3 (Unserviceable (Reparable) Label – Materiel), 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 MST that identifies and performs repairs needed to restore a disabled 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 MST on the upcoming mission to assess battlefield damage:	—	—
a. Identified point of contact at unit/site.		
b. Identified the equipment that was to be assessed for battlefield damage.		
c. Identified the equipment that 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:	—	—
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 MST provided technical assistance to the organizational maintenance team as required.	—	—
6. Ensured that MST prioritized repairs according to battlefield damage time guidelines.	—	—

**Performance Measures**

**GO**      **NO GO**

- |  |                           |
|--|---------------------------|
| <p>7. Ensured that all required maintenance forms were filled out correctly in accordance with DA PAM 738-750 and DA PAM 738-751:</p> <ul style="list-style-type: none"> <li>a. DA Form 2404 or DA Form 5988-E.</li> <li>b. DA Form 2407 or DA Form 5990-E.</li> <li>c. DD Form 1577.</li> <li>d. DD Form 1577-1.</li> <li>e. DD Form 1577-2.</li> <li>f. DD Form 1577-3.</li> </ul> <p>8. Ensured a system assessment summary was filled out correctly and turned in.</p> | <p>_____</p> <p>_____</p> |
|--|---------------------------|

**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
- FM 9-43-2

**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 (Prescribed Load List), DA Form 2064 (Document Register for Supply Actions), DA Form 3318 (Records of Demands – Title Insert), 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.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
1. Reviewed the units 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:	—	—
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 nontactical telecommunications systems, air traffic control, or lifesaving systems).		
4. Reviewed non-demand-supported unit maintenance repair parts documents and ensured they met the following:	—	—
a. Approved by the first general officer staff level in the chain of command is required in order to stock.		
b. Parts essential and have a maintenance use code of “O” (except for nontactical 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:	—	—
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 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  
FEDLOG

**Related**

FM 4-30.3

**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 accordance with AR 710-2 and DA PAM 710-2-2.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
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.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
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.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
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 (Exchange Tag), DA Form 2404, DA Form 2405 (Maintenance Request Register), DA Form 2407, DA Form 2407-1, DA Form 2408-12 (Army Aviator’s Flight Record), DA Form 2408-13 (Aircraft Status Information Record), DA Form 2408-13-1 (Aircraft Maintenance and Inspection Record), DA Form 2410 (Component Removal and Repair/Overhaul Record), DD Form 1574 (Serviceable Tag – Materiel), DD Form 1574-1 (Serviceable Label – Materiel), DD Form 1575, DD Form 1575-1 (Suspended Label – Materiel), DD Form 1576 (Test/Modification Tag – Materiel), DD Form 1576-1 (Test/Modification Label – Materiel), 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.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO GO</u></b>
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**

<b>Required</b>	<b>Related</b>
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	

**References**

**Required**

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

**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, AIS Manual 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 AIS Manual 25-L21-AHN-ZZZ-EM and DA PAM 738-750 or DA PAM 738-751. Filed all reports properly and forwarded copies as required.

<b>Performance Measures</b>	<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**  
 AIS Manual 25-L21-AHN-ZZZ-EM  
 DA PAM 738-750  
 DA PAM 738-751  
 FM 4-30.3

**Related**

**CHAPTER 4****Duty Position Tasks**

<b>Duty Position</b>	<b>Subject Areas</b>
<b>Skill Level 1</b>	
Avionics Systems Repairer	1-9
<b>Skill Level 2</b>	
Avionics Systems Repairer	1-9
<b>Skill Level 3</b>	
Avionics Systems Supervisor	1-10



**APPENDIX A****HANDS-ON EVALUATION****HANDS-ON EVALUATION (DA FORM 5164-R)  
INSTRUCTIONS**

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

**Before evaluation:**

1. Obtain a blank 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****FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R)  
INSTRUCTIONS**

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 needs 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

### Section I

#### Acronyms & Abbreviations

<b>(S)</b>	SECRET
<b>(U)</b>	UNCLASSIFIED
<b>ADF</b>	Automatic Direction Finder
<b>AFCS</b>	Automated Flight Control System
<b>AIS Manual</b>	Automated Information System Manual
<b>AM</b>	amplitude modulation
<b>amp</b>	ampere
<b>AN</b>	annually
<b>ANCOC</b>	advanced noncommissioned officer course
<b>ANVIS</b>	Aviator's Night Vision Imaging System
<b>AR</b>	Army regulation
<b>ARTEP</b>	Army Training and Evaluation Program
<b>ASI</b>	additional skill identifier
<b>ATTN</b>	attention
<b>AVIM</b>	aviation intermediate maintenance
<b>BA</b>	biannually
<b>BCT</b>	Basic Combat Course
<b>BNCOC</b>	basic noncommissioned officer course
<b>BW</b>	biweekly
<b>CBU</b>	calibrate before use
<b>CCA</b>	circuit card assembly
<b>CCI</b>	controlled cryptographic item
<b>CNR</b>	calibration not required
<b>COMSEC</b>	communications security
<b>CTT</b>	common task test

<b>DA</b>	Department of the Army
<b>DA PAM</b>	Department of the Army pamphlet
<b>D.C.</b>	District of Columbia
<b>dc</b>	direct current
<b>DD</b>	Department of Defense
<b>DDM</b>	difference in depth of modulation
<b>ECU</b>	electronic control unit
<b>EIR</b>	equipment improvement recommendation
<b>ELSEC</b>	electronic security
<b>FEDLOG</b>	Federal Logistics
<b>FM</b>	field manual; frequency modulation
<b>Freq</b>	frequency
<b>GEA</b>	gyro electronics assembly
<b>HQ</b>	headquarters
<b>Hz</b>	hertz
<b>IEA</b>	internal multiplexer electronics assembly
<b>IMPL</b>	initial mandatory parts list
<b>INSTI</b>	Institution
<b>ISP</b>	Integrated System Processor
<b>KU</b>	keyboard unit
<b>lbs</b>	pounds
<b>LOC</b>	localizer
<b>MAC</b>	Maintenance Allocation Chart
<b>MAM</b>	Maintenance Assist Module
<b>MCPS</b>	mast mounted sight central power supply
<b>MCPU</b>	master control processor unit
<b>MED</b>	medical
<b>METL</b>	mission-essential task list

<b>MFD</b>	multifunction display
<b>MHz</b>	megahertz
<b>MO</b>	monthly
<b>MOS</b>	military occupational specialty
<b>MOSC</b>	military occupational specialty code
<b>MSP</b>	mast mounted sight system processor
<b>MST</b>	maintenance support team
<b>mW</b>	milliwatt(s)
<b>MWO</b>	modification work order
<b>NBC</b>	nuclear, biological, and chemical
<b>NCO</b>	noncommissioned officer
<b>NMP</b>	National Maintenance Point
<b>No.</b>	number
<b>NSN</b>	national stock number
<b>obs</b>	optical boresight system
<b>PLL</b>	prescribed load list
<b>PMCS</b>	preventive maintenance checks and services
<b>PN</b>	part number
<b>QDR</b>	Quality Deficiency Report
<b>QT</b>	quarterly
<b>RDL</b>	Reimer Digital Library
<b>RF</b>	radio frequency
<b>RFD</b>	remote frequency display
<b>rmi</b>	radio-magnetic indicator
<b>ROP</b>	reorder point

<b>SA</b>	semiannually
<b>SAMS-1</b>	Standard Army Maintenance System-Level 1
<b>SF</b>	standard form
<b>SIGSEC</b>	signal security
<b>SL</b>	skill level
<b>SLAC</b>	Support List Allowance Card
<b>SM</b>	soldier's manual
<b>SMA</b>	subminiature A connector
<b>SMCT</b>	soldier's manual of common tasks
<b>SOJT</b>	supervised on-the-job training
<b>SOP</b>	standing operating procedure
<b>SSA</b>	supply support activity
<b>STP</b>	soldier training publication
<b>Sust</b>	sustainment
<b>TAMMS</b>	The Army Maintenance Management System
<b>TB</b>	technical bulletin
<b>TC</b>	training circular
<b>TEMOD</b>	test equipment modernization
<b>TG</b>	trainer's guide
<b>TM</b>	technical manual
<b>TMDE</b>	test, measurement, and diagnostic equipment
<b>TNC</b>	threaded Neil-Concelman OR threaded Navy connector
<b>Tng</b>	training
<b>TRADOC</b>	Training and Doctrine Command
<b>TSS</b>	test support system
<b>UND</b>	urgency of need designator
<b>UNIT</b>	Trained in the unit

<b>V</b>	volt(s)
<b>VA</b>	Virginia
<b>VDC</b>	volts direct current
<b>VOR</b>	VHF Omnidirectional Radiorange
<b>W</b>	watt(s)
<b>WK</b>	weekly

## **Section II**

### **Terms**

#### **common task**

A task every soldier in the Army must learn and perform at some skill level.

#### **Performance measure(s)**

Those behavior or product characteristics that the trainer observes/checks to determine if the soldier has performed the task correctly.

#### **SAMS1**

Software package designed to manage maintenance operations, including work order registration, repair parts, stockage and requisition, manpower utilization, and readiness reporting.

#### **Task summary**

A listing in the soldiers' training publications of the conditions, standards, and performance measures, references, and proponent for each individual critical task. Information is extracted from the individual critical task analysis. See "Task performance specifications." Reference-dependent task summary—A summary written for those tasks which require the trained soldier to refer to one or more publications while performing all or part of a task in wartime conditions. Reference-independent task summary—A summary written for those tasks which require the trained soldier to perform the task in wartime conditions from memory, without reference to any publications.

#### **Training objective**

A statement that describes the desired outcome of a training activity in the unit. It consists of the following three parts: task, condition(s), standard.



## REFERENCES

### Army Regulations

AR 25-2	Information Assurance. 14 November 2003
AR 25-400-2	The Army Records Information Management System (ARIMS). 18 March 2003
AR 40-5	Preventive Medicine. 15 October 1990
AR 190-13	The Army Physical Security Program. 30 September 1993
AR 380-5	Department of the Army Information Security Program. 29 September 2000
AR 380-40	(O) Policy for Safeguarding and Controlling Communications Security (COMSEC) Material (U). 30 June 2000
AR 385-10	The Army Safety Program. 29 February 2000
AR 672-20	Incentive Awards. 29 January 1999
AR 710-2	Inventory Management Supply Policy Below the National Level. 25 February 2004
AR 725-50	Requisition, Receipt, and Issue System. 15 November 1995
AR 750-1	Army Materiel Maintenance Policy. 18 August 2003

Except where otherwise indicated below, the following forms are available as follows: DA forms are available on the Army Electronic Library (AEL) and the APD web site, [www.apd.army.mil](http://www.apd.army.mil). DD Forms are available from the OSD web site, [www.dior.whs.mil](http://www.dior.whs.mil).

### Department of Army Forms

DA FORM 2028	Recommended Changes to Publications and Blank Forms
DA FORM 2062	Hand Receipt/Annex Number
DA FORM 2063-R	Prescribed Load List
DA FORM 2064	Document Register for Supply Actions
DA FORM 2402	Exchange Tag
DA FORM 2404	Equipment Inspection and Maintenance Worksheet
DA FORM 2405	Maintenance Request Register
DA FORM 2407	Maintenance Request
DA FORM 2407-1	Maintenance Request Continuation Sheet
DA FORM 2408-12	Army Aviator's Flight Record
DA FORM 2408-13	Aircraft Status Information Record
DA FORM 2408-13-1	Aircraft Maintenance and Inspection Record
DA FORM 2408-14	Uncorrected Fault Record
DA FORM 2410	Component Removal and Repair/Overhaul Record
DA FORM 3318	Records of Demands-Title Insert
DA FORM 3758-R	Calibration and Repair Requirements Worksheet
DA FORM 5165-R	Field Expedient Squad Book
DA FORM 5988-E	Equipment Inspection Maintenance Worksheet
DA FORM 5990-E	Maintenance Request

### Department of Army Pamphlets

DA PAM 40-501	Hearing Conservation Program. 10 December 1998
DA PAM 190-51	Risk Analysis for Army Property. 30 September 1993
DA PAM 385-1	Small Unit Safety Officer/NCO Guide. 29 November 2001
DA PAM 600-67	Effective Writing for Army Leaders. 2 June 1986

DA PAM 611-21	Military Occupational Classification and Structure. 31 March 1999
DA PAM 710-2-1	Using Unit Supply System (Manual Procedures) (Standalone Pub). 31 December 1997
DA PAM 710-2-2	Supply Support Activity Supply System: Manual Procedures. 30 September 1998
DA PAM 738-750	Functional Users Manual for The Army Maintenance Management System (TAMMS). 1 August 1994
DA PAM 738-751	Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A). 15 March 1999

**Field Manuals**

FM 3-19.30	Physical Security. 8 January 2001
FM 4-30.3	Maintenance Operations and Procedures. 1 September 2000
FM 7-0	Training The Force. 22 October 2002
FM 7-1	Battle Focused Training. 15 September 2003
FM 9-43-2	Recovery and Battlefield Damage Assessment and Repair (FMFRP 4-34; TO 36-1-181). 3 October 1995
FM 24-16	Communications-Electronics Operations, Orders, Records, and Reports. 7 April 1978
FM 25-4	How to Conduct Training Exercises. 10 September 1984
FM 25-5	Training for Mobilization and War. 25 January 1985
FM 101-5	Staff Organization and Operations. 31 May 1997

The DA Label below is available through normal forms supply channels and the SF FORM is available from the GSA website, [www.gsa.gov](http://www.gsa.gov).

**Other Product Types**

AIS Manual 25-L21-AHN-ZZZ-EM	Standard Army Maintenance System Level 1(SAMS-1) End User Manual. 1 June 1997
DA LABEL 80	US Army Calibrated Instrument
DD FORM 314	Preventive Maintenance Schedule and Record
DD FORM 1574	Serviceable Tag – Materiel
DD FORM 1574-1	Serviceable Label – Materiel
DD FORM 1575	Suspended Tag – Materiel
DD FORM 1575-1	Suspended Label – Materiel
DD FORM 1576	Test/Modification Tag – Materiel
DD FORM 1576-1	Test/Modification Label – Materiel
DD FORM 1577	Unserviceable (Condemned) Tag – Materiel
DD FORM 1577-1	Unserviceable (Condemned) Label – Materiel
DD FORM 1577-2	Unserviceable (Reparable) Tag – Materiel
DD FORM 1577-3	Unserviceable (Reparable) Label – Materiel
DD FORM 2332	Product Quality Deficiency Report Exhibit
FEDLOG	S&I Cdr, USAMC Logistics Support (Issued Monthly). 1 October 2002
SF FORM 368	Product Quality Deficiency Report

**Soldier Training Publications**

STP 21-1-SMCT Soldier's Manual of Common Tasks Skill Level 1. 31 August 2003  
 STP 21-24-SMCT Soldier's Manual of Common Tasks (SMCT) Skill Levels 2-4.  
 31 August 2003

**Technical Bulletins**

TB 43-0001-53-1 Equipment Improvement Report and Maintenance Digest for (PATRIOT Air Defense Guided Missile System). 1 April 2000  
 TB 43-0001-62-02-5 Equipment Improvement Report and Maintenance Digest for Tank, Automotive, and Armament Equipment. 1 October 2002  
 TB 43-0001-62-02-7 Equipment Improvement Report and Maintenance Digest for Tank, Automotive, and Armament Equipment. 1 February 2003  
 TB 43-0001-62-02-8 Equipment Improvement Report and Maintenance Digest for Tank, Automotive, and Armament Equipment. 1 April 2003  
 TB 43-0001-62-03-1 Equipment Improvement Report and Maintenance Digest for Tank, Automotive, and Armament Equipment. 15 September 2003  
 TB 43-0001-62-03-2 Equipment Improvement Report and Maintenance Digest for Tank, Automotive, and Armament Equipment. 15 December 2003  
 TB 43-0127 Maintenance and Repair of Printed Circuit Boards and Printed Wiring Assemblies. 7 October 1983  
 TB 43-180 Calibration and Repair Requirements for the Maintenance of Army Materiel. 15 September 2002  
 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. 1 August 1992  
 TB 750-25 Maintenance of Supplies and Equipment: Army Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Repair Support (C&RS) Program. 1 March 1997  
 TB MED 523 Control of Hazards to Health From Microwave and Radio Frequency Radiation and Ultrasound. 15 July 1980

**Technical Manuals**

TM 1-1427-779-23 Aviation Unit and Aviation Intermediate Maintenance Manual for Control/Display Subsystem (CDS) Part Number 8521308-902 (NSN 1260-01-432-8523) and Part Number 8521308-903 (1260-01-432-8524). 17 February 2004  
 TM 1-1427-779-23P Aviation Unit and Intermediate Maintenance Repair Parts and Special Tools Lists (Including Depot Maintenance Repair Parts and Special Tools) for OH-58D Controls/Displays Subsystem (NSN 1260-01-165-3959); (1260-01-432-8523); and (1260-01-432-8524). 17 February 2004  
 TM 9-1095-206-12&P Operator's and Aviation Unit Maintenance Manual (Including Repair Parts and Special Tools List) for Dispenser, General Purpose Aircraft: M130. 18 July 1995  
 TM 9-1095-206-30&P Aviation Intermediate Maintenance Manual (Including Repair Parts and Special Tools List) for Dispenser, General Purpose Aircraft: M130, PN 9311430 (NSN 1095-01-036-6886). 18 July 1995  
 TM 9-1240-778-23 Aviation Unit and Aviation Intermediate Maintenance Manual for Mast Mounted Sight Subsystem (MMSS) Part Number 1D49200-505 (NSN 1260-01-208-6448). 13 May 1994  
 TM 9-4935-780-13-1 Operator and Aviation Intermediate Maintenance Manual for Test Support System AN/TSM-173 (TSS). 23 November 1993

TM 9-4935-780-13-2	Operator and Aviation Intermediate Maintenance Manual for Test Support System AN/TSM-173 (TSS). 23 November 1993
TM 9-4940-497-13&P	Aviation Unit and Aviation Intermediate Maintenance Manual (Including Repair Parts and Special Tools Lists) for M91 Electronic Systems Test Set. 18 April 1990
TM 11-4940-209-15	Operator, Organizational, Direct Support, General Support, and Depot Maintenance Manual: Electronic Shops, Semitrailer Mounted, AN/ASM-189 and AN/ASM-190. 29 January 1968
TM 11-5826-227-20	Organizational Maintenance Manual: Direction Finder Sets AN/ARN-89, AN-ARN-89A and AN/ARN-89B. 16 August 1968
TM 11-5826-227-34	Direct Support and General Support Maintenance Manual: Direction Finder Sets AN/ARN-89 and AN/ARN-89A and AN/ARN-89B. 7 January 1971
TM 11-5841-283-34-1	Aviation Intermediate Maintenance Manual for Radar Signal Detecting Set, AN/APR-39(V)1 (NSN 5841-01-023-7112) NAVAIR 16-30APR39-2. 31 August 1983
TM 11-5841-283-34-2	Aviation Intermediate Maintenance Manual for Radar Signal Detecting Set, AN/APR-39(V)1 (NSN 5841-01-023-7112) (U). 26 September 1983
TM 11-5841-294-12	Operator and Aviation Unit Maintenance Manual for Radar Signal Detecting Set AN/APR-39A(V)1 (NSN 5841-01-236-8951) (EIC: 1A9). 1 September 1996
TM 11-5841-294-30-1	Aviation Intermediate Maintenance Manual for Radar Signal Detecting Set AN/APR-39A(V)1 (U). 15 March 1990
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