

STP 9-27X14-SM-TG

**Soldier's Manual And
Trainer's Guide,**

**PATRIOT SYSTEM
REPAIRER**

MOS 27X

Skill level 1/2/3/4

NOVEMBER 2003

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

*SOLDIER TRAINING
PUBLICATION
No. 9-27X14-SM-TG

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 28 November 2003

SOLDIER'S MANUAL and TRAINER'S GUIDE

MOS 27X

PATRIOT SYSTEM REPAIRER

Skill Levels 1/2/3/4

TABLE OF CONTENTS

	<u>PAGE</u>
Table of Contents	i
PREFACE	v
Chapter 1. Introduction	1-1
Chapter 2. Training Guide	2-1
2-1. General.....	2-1
2-2. Subject Area Codes	2-3
2-3. Duty Position Training Requirements.....	2-4
2-4. Critical Tasks List	2-5
Chapter 3. MOS/Skill Level Tasks	3-1
Skill Level 1	
Subject Area 1: PATRIOT System Maintenance	
093-27X-1500 Repair In-Place (RIP) Patriot System Wiring and Cables.....	3-1
093-27X-1501 Repair Patriot System Fiber Optic Cables	3-3
Subject Area 2: Engagement Control Station (ECS) Maintenance	
093-27X-1000 Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Power Distribution and Display Circuits.....	3-4

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

*This publication supersedes STP 9-27X24-SM-TG, dated 15 August 1991.

093-27X-1001	Repair Engagement Control Station / Information and Coordination Central / Communications Relay Group (ECS/ICC/CRG) Environmental Control Circuits	3-6
093-27X-1002	Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Display and Control Circuits	3-8
093-27X-1003	Repair Engagement Control Station / Information and Coordination Central / Communications Relay Group (ECS/ICC/CRG) Antenna Control and Monitor Circuits	3-10
093-27X-1004	Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Communications Interface Circuits	3-11
093-27X-1005	Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Enhanced Weapons Control Computer (EWCC)	3-13
093-27X-1006	Repair Engagement Control Station / Information and Coordination Central / Communications Relay Group PAC-3 Communication Enhancement Circuits IDOCS/ OCU (Config 3).....	3-15
093-27X-1007	Repair Engagement Control Station (ECS) Launching Station (LS) Data Link Terminal (DLT).....	3-17
Subject Area 3: Radar Set (RS) Maintenance		
093-27X-1100	Repair Radar Set (RS) Power Distribution and Control Circuits.....	3-19
093-27X-1101	Repair Radar Set / Engagement Control Station (RS/ECS) Radar/ Weapons Control Interface Unit (R/WCIU)	3-21
093-27X-1102	Repair Radar Set (RS) Mechanics.....	3-23
093-27X-1103	Repair Radar Set (RS) Control Unit Group- Input/ Output Controller (CUG-IOC).....	3-24
093-27X-1104	Repair Radar Set (RS) Beam Steering Processor (BSP).....	3-25
093-27X-1105	Repair Radar Set (RS) Exciter Group.....	3-26
093-27X-1106	Repair Radar Set (RS) Control Unit Group Trigger Generator (CUG-TG) and Radar Transmitter Group Interface Unit (RTG-IU).....	3-27
093-27X-1107	Repair Radar Set (RS) Transmitter Group Power Conditioning Circuits	3-28
093-27X-1108	Repair Radar Set (RS) Transmitter Group High Voltage Distribution and Control Circuits (Configuration 3).....	3-29
093-27X-1109	Repair Radar Set (RS) Receiver Group Radio Frequency (RF) Amplification Circuits (Configuration 3)	3-30
093-27X-1110	Repair Radar Set (RS) Transmitter Group Control Logic Circuits	3-31
093-27X-1111	Repair Radar Set (RS) Transmitter Group Logic and Command BITE Circuits	3-32
093-27X-1112	Repair Radar Set (RS) Transmitter Group High Voltage Distribution and Control Circuits.....	3-33
093-27X-1113	Repair Radar Set (RS) Transmitter Group Control Logic Circuits (Configuration 3)	3-34
093-27X-1114	Perform Radar Transmitter Group Adjustments	3-35
093-27X-1115	Repair Radar Set (RS) Receiver Group Input/ Output Control Unit (IOCU).....	3-37
093-27X-1117	Repair Radar Set (RS) Receiver Group Waveform Generator (WFG).....	3-38
093-27X-1118	Repair Radar Set (RS) Receiver Group Pulse Expansion (PE)	3-39
093-27X-1119	Repair Radar Set (RS) Receiver Group Lens Front End.....	3-40
093-27X-1120	Repair Radar Set (RS) Receiver Group Comparator Front End.....	3-41
093-27X-1121	Repair Radar Set (RS) Receiver Group Search/Track IF Processor (S/TIF)	3-42
093-27X-1122	Repair Radar Set (RS) Receiver Group Sidelobe Canceller (SLC)	3-43
093-27X-1123	Repair Radar Set (RS) Receiver Group Electronic Counter-Countermeasures (ECCM) Processor	3-44

093-27X-1124	Repair Radar Set (RS) Receiver Group Track Via Missile Digital Processor (TVM-DIG).....	3-45
093-27X-1125	Repair Radar Set (RS) Receiver Group Track Via Missile Analog Processor (TVM-AP).....	3-46
093-27X-1126	Repair Radar Set (RS) Receiver Group Track Via Missile Correlator Processor (TVM-CP).....	3-47
093-27X-1127	Repair Radar Set (RS) Receiver Group Wide-Band Receiver (Configuration 3).....	3-48
093-27X-1128	Perform Radar Receiver Group Adjustments	3-49
093-27X-1129	Repair Radar Set (RS) Signal Processor Group Input/ Output Controller (SPG-IOC).....	3-51
093-27X-1130	Repair Radar Set (RS) Signal Processor Group- Digital Signal Processor 1 (DSP-1)	3-52
093-27X-1131	Repair Radar Set (RS) Signal Processor Group- Digital Signal Processor 2 (DSP2)	3-53
093-27X-1132	Repair Radar Set (RS) Signal Processor Group- Digital Signal Processor 3 (DSP3)	3-54
093-27X-1133	Repair Radar Set (RS) Signal Processor Group- Pulse Doppler Digital Signal Processor 4 (SPG-DSP4)	3-55
093-27X-1134	Repair Radar Set (RS) Signal Processor Group- High Range Resolution Digital Signal Processor 5 (SPG-HRR-DSP5).....	3-56
093-27X-1135	Repair Radar Set (RS) Identification Friend or Foe (IFF) Radar Interface Circuits	3-57
093-27X-1136	Repair Radar Set (RS) Digital Azimuth Control Unit (DACU).....	3-58
093-27X-1137	Repair Radar Set (RS) Environmental Control Systems	3-59
093-27X-1138	Repair Radar Set (RS) Receiver Group (RRG) Waveform Generator/ Receiver (Configuration 3).....	3-60

Subject Area 4: Launching Station (LS) Maintenance

093-27X-1200	Repair Launching Station (LS) Mechanics.....	3-61
093-27X-1201	Repair Launching Station (LS) Launcher Electronics Module (LEM)	3-62
093-27X-1202	Repair Launching Station Test Set (LSTS).....	3-63
093-27X-1203	Repair Launching Station (LS) Launcher Power Distribution and Control Circuits	3-64
093-27X-1204	Repair Launching Station (LS) Launcher Missile Round Distributor (LMRD).....	3-65
093-27X-1205	Repair PAC-3 Launching Station (LS)	3-66
093-27X-1206	Repair Enhanced Electronics Launching Station (EELS) Enhanced Launcher Electronics System (ELES).....	3-67
093-27X-1207	Repair Enhanced Electronics Launching Station (EELS) Launcher Mechanics (LM).....	3-68

Subject Area 5: Communication Relay Group (CRG) and Antenna Mast Group (AMG) Maintenance

093-27X-1300	Repair Antenna Mast Group (AMG) Power Distribution and Control Circuits	3-69
093-27X-1301	Repair Antenna Mast Group (AMG) Azimuth Drive and Mast Sway Sensing Circuits	3-70
093-27X-1302	Repair Antenna Mast Group (AMG) Radio Frequency (RF) Amplification Circuits	3-71

Subject Area 6: Identification Friend or Foe (IFF) Maintenance

093-27X-1400	Operate Identification Friend or Foe (IFF) Radar Test Set.....	3-72
093-27X-1401	Repair Identification Friend or Foe (IFF) Interrogator Set.....	3-73

Skill Level 3

Subject Area 7: Maintenance Operations

093-SSG-3004 Submit a Quality Deficiency Report (QDR)..... 3-74
093-SSG-3005 Submit Equipment Improvement Recommendation (EIR)..... 3-76
093-SSG-3006 Plan Work Flow..... 3-78
093-SSG-3007 Direct Performance of Preventive Maintenance 3-79
093-SSG-3008 Provide Technical Assistance to Repairers 3-81
093-SSG-3009 Perform Initial Inspections..... 3-82
093-SSG-3010 Perform Final Inspections 3-83
093-SSG-3012 Perform In-Process Inspections..... 3-84

Subject Area 8: Maintenance Management I

093-SSG-3001 Inspect Section/Shop Safety..... 3-85
093-SSG-3002 Manage Section/Shop Security 3-87
093-SSG-3003 Maintain Section/Shop Calibration Program..... 3-88
093-SSG-3011 Write a Standing Operating Procedure (SOP)..... 3-90
093-SSG-3013 Maintain Property Accountability 3-92
093-SSG-3014 Assess Battlefield Damage 3-93
093-SSG-3015 Manage Demand Supported Repair Parts Listed on the Prescribed Load List (PLL)..... 3-95
093-SSG-3016 Monitor Bench Stock Operations 3-97
093-SSG-3017 Monitor Shop Stock Operations 3-98
093-SSG-3019 Inspect Maintenance Support Team Operations 3-99
093-SSG-3020 Inspect Maintenance Reporting and Management Data 3-100
093-SSG-3021 Review SAMS-1 Reports 3-102

Skill Level 4

Subject Area 9: Maintenance Management II

093-SFC-4101 Manage a Shop Security Program 3-103
093-SFC-4103 Prepare Input to Materiel Condition Status Report 3-104
093-SFC-4104 Manage SAMS-1 System Administration 3-105
093-SFC-4105 Manage Hand Receipt Functions 3-106
093-SFC-4106 Manage Maintenance Shop Operations..... 3-108
093-SFC-4107 Manage Logistics Support..... 3-110
093-SFC-4108 Manage Shop Personnel Actions..... 3-111
093-SFC-4109 Review SAMS-2 Reports..... 3-112
093-SFC-4110 Conduct Site Reconnaissance 3-113
093-SFC-4111 Coordinate Activities Between Production Control and Supply Support Activity..... 3-115
093-SFC-4112 Manage Shop Supply Operations 3-116
093-SFC-4113 Provide Liaison to Supported Units..... 3-117
093-SFC-4114 Manage Operational Readiness Float (ORF) Transactions..... 3-118

APPENDIX A - HANDS-ON EVALUATION (DA FORM 5164-R) INSTRUCTIONS..... A-1

APPENDIX B - FIELD EXPEDIENT SQUAD BOOK (DA 5165-R) INSTRUCTIONS B-1

Glossary Glossary-1

Supporting References..... References-1

PREFACE

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

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

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

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

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

CHAPTER 1

Introduction

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

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

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

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

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

Use this STP along with STP 21-1-SMCT (Soldier's Manual of Common Tasks, Skill Level 1), STP 21-24-SMCT (Soldier's Manual of Common Tasks, Skill Levels 2-4), Army training and evaluation programs (ARTEPs), FM 25-4 (How to Conduct Training Exercises), FM 25-5 (Training for Mobilization and War), FM 25-100 (Training the Force), and FM 25-101 (Battle-Focused Training) 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 conditions 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 can not be trained to the wartime standard under wartime conditions. It may also include special training and evaluation preparation instructions to accommodate these modifications and any instructions that should be given to the soldier before evaluation.
- References. This section identifies references that provide more detailed explanations of task performance requirements than are given in the task summary.
- Warnings. Warnings alert users to the possibility of immediate personal injury or equipment damage.
- Notes. Notes provide additional supportive explanations or tips relating to task performance.

1-3. Soldier's Responsibilities. Each soldier is responsible for performing individual tasks identified by the first-line supervisor based on the unit's mission-essential task list

(METL). Soldiers must perform tasks to the standards included in the task summary. If soldiers have questions about tasks or which tasks in this manual they must perform, they are responsible for asking their first-line supervisor for clarification. First-line supervisors know how to perform each task or can direct soldiers to appropriate training materials, including current field manuals, technical manuals, and Army regulations. Soldiers are responsible for using these materials to maintain performance. They are also responsible for maintaining performance of all common tasks listed in the SMCTs at their current skill level and below.

Periodically, soldiers should ask their supervisor or another soldier to check their performance to ensure that they can perform the tasks.

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

Another important resource for self-development is the Army Correspondence Course Program (ACCP). Refer to DA Pamphlet 350-59 (Army Correspondence Course Program Catalog) for detailed eligibility requirements and enrollment information. The catalog is available at local education centers or on line through the Army Institute for Professional Development (AIPD) web site, <http://www.atsc.army.mil/accp/aipd.htm>. The web site offers on-line enrollment.

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

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

Trainers can use the MOS training plan to determine the critical tasks each soldier is responsible 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 25-100 and FM 25-101.

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

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

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

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

CHAPTER 2

Training Guide

2-1. General. The MOS Training Plan (MTP) identifies the essential components of a unit training plan for individual training. Units have different training needs and requirements based on differences in environment, location, equipment, dispersion, and similar factors. Therefore, the MTP should be used as a guide for conducting unit training and not a rigid standard. The MTP consists of two parts. Each part is designed to assist the commander in preparing a unit training plan which satisfies integration, cross training, training up, and sustainment training requirements for soldiers in this MOS.

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

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

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

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

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

- **Subject Area Column.** This column lists the subject area number and title in the same order as Section I, Part One of the MTP.
- **Task Number Column.** This column lists the task numbers for all tasks included in the subject area.
- **Title Column.** This column lists the task title for each task in the subject area.
- **Training Location Column.** This column identifies the training location where the task is first trained to soldier training 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, etc.), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

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

Figure 2-1. Training Locations

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

BA	- Biannually
AN	- Annually
SA	- Semiannually
QT	- Quarterly
MO	- Monthly
BW	- Biweekly
WK	- Weekly

Figure 2-2. Sustainment Training Frequency Codes

- **Sustainment Training Skill Level Column.** This column lists the skill levels of the MOS for which soldiers must receive sustainment training to ensure they maintain proficiency to soldier's manual standards.

2-2. Subject Area Codes.

Skill Level 1

- 1 PATRIOT System Maintenance
- 2 Engagement Control Station (ECS) Maintenance
- 3 Radar Set (RS) Maintenance
- 4 Launching Station (LS) Maintenance
- 5 Communication Relay Group (CRG) and Antenna Mast Group (AMG) Maintenance
- 6 Identification Friend or Foe (IFF) Maintenance

Skill Level 3

- 7 Maintenance Operations
- 8 Maintenance Management I

Skill Level 4

- 9 Maintenance Management II

2-3. Duty Position Training Requirements.

SKILL LEVEL	DUTY POSITION	SUBJECT AREAS	CROSS-TRAIN	TRAIN-UP/MERGER
1	PATRIOT System Repairer	1-6	N/A	27X20, PATRIOT System Repairer IFF/PATRIOT System Repairer PATRIOT Assistant Technical Inspector
2	PATRIOT Assistant Technical Inspector	1-6	N/A	27X30, PATRIOT System Repairer IFF/PATRIOT Technical Inspector IFF/PATRIOT System Repairer
3	IFF/PATRIOT System Repairer	1-8	N/A	27X40, PATRIOT System Repairer PATRIOT Missile Maintenance NCO Platoon Sergeant
4	PATRIOT Missile Maintenance NCO	1-9	N/A	27X50 PATRIOT System Evaluator

2-4. Critical Tasks List.**MOS TRAINING PLAN
27X14****CRITICAL TASKS**

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 1					
1. PATRIOT System Maintenance	093-27X-1500	Repair In-Place (RIP) Patriot System Wiring and Cables	AIT	AN	1-4
	093-27X-1501	Repair Patriot System Fiber Optic Cables	AIT	QT	1-4
2. Engagement Control Station (ECS) Maintenance	093-27X-1000	Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Power Distribution and Display Circuits	AIT	AN	1-4
	093-27X-1001	Repair Engagement Control Station / Information and Coordination Central / Communications Relay Group (ECS/ICC/CRG) Environmental Control Circuits	AIT	AN	1-4
	093-27X-1002	Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Display and Control Circuits	AIT	QT	1-4
	093-27X-1003	Repair Engagement Control Station / Information and Coordination Central / Communications Relay Group (ECS/ICC/CRG) Antenna Control and Monitor Circuits	AIT	QT	1-4
	093-27X-1004	Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Communications Interface Circuits	AIT	QT	1-4
	093-27X-1005	Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Enhanced Weapons Control Computer (EWCC)	AIT	AN	1-4
	093-27X-1006	Repair Engagement Control Station / Information and Coordination Central / Communications Relay Group PAC-3 Communication Enhancement Circuits IDOCS/OCU (Config 3)	AIT	AN	1-4
	093-27X-1007	Repair Engagement Control Station (ECS) Launching Station (LS) Data Link Terminal (DLT)	AIT	AN	1-4

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
3. Radar Set (RS) Maintenance	093-27X-1100	Repair Radar Set (RS) Power Distribution and Control Circuits	AIT	QT	1-4
	093-27X-1101	Repair Radar Set / Engagement Control Station (RS/ECS) Radar/ Weapons Control Interface Unit (R/WCIU)	AIT	QT	1-4
	093-27X-1102	Repair Radar Set (RS) Mechanics	AIT	AN	1-4
	093-27X-1103	Repair Radar Set (RS) Control Unit Group-Input/ Output Controller (CUG-IOC)	AIT	QT	1-4
	093-27X-1104	Repair Radar Set (RS) Beam Steering Processor (BSP)	AIT	QT	1-4
	093-27X-1105	Repair Radar Set (RS) Exciter Group	AIT	QT	1-4
	093-27X-1106	Repair Radar Set (RS) Control Unit Group Trigger Generator (CUG-TG) and Radar Transmitter Group Interface Unit (RTG-IU)	AIT	QT	1-4
	093-27X-1107	Repair Radar Set (RS) Transmitter Group Power Conditioning Circuits	AIT	AN	1-4
	093-27X-1108	Repair Radar Set (RS) Transmitter Group High Voltage Distribution and Control Circuits (Configuration 3)	AIT	QT	1-4
	093-27X-1109	Repair Radar Set (RS) Receiver Group Radio Frequency (RF) Amplification Circuits (Configuration 3)	AIT	QT	1-4
	093-27X-1110	Repair Radar Set (RS) Transmitter Group Control Logic Circuits	AIT	QT	1-4
	093-27X-1111	Repair Radar Set (RS) Transmitter Group Logic and Command BITE Circuits	AIT	QT	1-4
	093-27X-1112	Repair Radar Set (RS) Transmitter Group High Voltage Distribution and Control Circuits	AIT	AN	1-4
	093-27X-1113	Repair Radar Set (RS) Transmitter Group Control Logic Circuits (Configuration 3)	AIT	AN	1-4
	093-27X-1114	Perform Radar Transmitter Group Adjustments	AIT	AN	1-4
	093-27X-1115	Repair Radar Set (RS) Receiver Group Input/ Output Control Unit (IOCU)	AIT	QT	1-4
	093-27X-1117	Repair Radar Set (RS) Receiver Group Waveform Generator (WFG)	AIT	QT	1-4
	093-27X-1118	Repair Radar Set (RS) Receiver Group Pulse Expansion (PE)	AIT	QT	1-4

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-27X-1119	Repair Radar Set (RS) Receiver Group Lens Front End	AIT	QT	1-4
	093-27X-1120	Repair Radar Set (RS) Receiver Group Comparator Front End	AIT	QT	1-4
	093-27X-1121	Repair Radar Set (RS) Receiver Group Search/Track IF Processor (S/TIF)	AIT	QT	1-4
	093-27X-1122	Repair Radar Set (RS) Receiver Group Sidelobe Canceller (SLC)	AIT	QT	1-4
	093-27X-1123	Repair Radar Set (RS) Receiver Group Electronic Counter-Countermeasures (ECCM) Processor	AIT	QT	1-4
	093-27X-1124	Repair Radar Set (RS) Receiver Group Track Via Missile Digital Processor (TVM-DIG)	AIT	QT	1-4
	093-27X-1125	Repair Radar Set (RS) Receiver Group Track Via Missile Analog Processor (TVM-AP)	AIT	QT	1-4
	093-27X-1126	Repair Radar Set (RS) Receiver Group Track Via Missile Correlator Processor (TVM-CP)	AIT	QT	1-4
	093-27X-1127	Repair Radar Set (RS) Receiver Group Wide-Band Receiver (Configuration 3)	AIT	AN	1-4
	093-27X-1128	Perform Radar Receiver Group Adjustments	AIT	AN	1-4
	093-27X-1129	Repair Radar Set (RS) Signal Processor Group Input/ Output Controller (SPG-IOC)	AIT	QT	1-4
	093-27X-1130	Repair Radar Set (RS) Signal Processor Group-Digital Signal Processor 1 (DSP-1)	AIT	QT	1-4
	093-27X-1131	Repair Radar Set (RS) Signal Processor Group-Digital Signal Processor 2 (DSP2)	AIT	QT	1-4
	093-27X-1132	Repair Radar Set (RS) Signal Processor Group-Digital Signal Processor 3 (DSP3)	AIT	QT	1-4
	093-27X-1133	Repair Radar Set (RS) Signal Processor Group-Pulse Doppler Digital Signal Processor 4 (SPG-DSP4)	AIT	QT	1-4
	093-27X-1134	Repair Radar Set (RS) Signal Processor Group-High Range Resolution Digital Signal Processor 5 (SPG-HRR-DSP5)	AIT	AN	1-4
	093-27X-1135	Repair Radar Set (RS) Identification Friend or Foe (IFF) Radar Interface Circuits	AIT	QT	1-4
	093-27X-1136	Repair Radar Set (RS) Digital Azimuth Control Unit (DACU)	AIT	QT	1-4

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-27X-1137	Repair Radar Set (RS) Environmental Control Systems	AIT	QT	1-4
	093-27X-1138	Repair Radar Set (RS) Receiver Group (RRG) Waveform Generator/ Receiver (Configuration 3)	AIT	QT	1-4
4. Launching Station (LS) Maintenance	093-27X-1200	Repair Launching Station (LS) Mechanics	AIT	QT	1-4
	093-27X-1201	Repair Launching Station (LS) Launcher Electronics Module (LEM)	AIT	AN	1-4
	093-27X-1202	Repair Launching Station Test Set (LSTS)	AIT	QT	1-4
	093-27X-1203	Repair Launching Station (LS) Launcher Power Distribution and Control Circuits	AIT	QT	1-4
	093-27X-1204	Repair Launching Station (LS) Launcher Missile Round Distributor (LMRD)	AIT	AN	1-4
	093-27X-1205	Repair PAC-3 Launching Station (LS)	AIT	QT	1-4
	093-27X-1206	Repair Enhanced Electronics Launching Station (EELS) Enhanced Launcher Electronics System (ELES)	AIT	AN	1-4
	093-27X-1207	Repair Enhanced Electronics Launching Station (EELS) Launcher Mechanics (LM)	AIT	QT	1-4
5. Communication Relay Group (CRG) and Antenna Mast Group (AMG) Maintenance	093-27X-1300	Repair Antenna Mast Group (AMG) Power Distribution and Control Circuits	AIT	QT	1-4
	093-27X-1301	Repair Antenna Mast Group (AMG) Azimuth Drive and Mast Sway Sensing Circuits	AIT	QT	1-4
	093-27X-1302	Repair Antenna Mast Group (AMG) Radio Frequency (RF) Amplification Circuits	AIT	QT	1-4
6. Identification Friend or Foe (IFF) Maintenance	093-27X-1400	Operate Identification Friend or Foe (IFF) Radar Test Set	AIT	QT	1-4
	093-27X-1401	Repair Identification Friend or Foe (IFF) Interrogator Set	AIT	QT	1-4

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 3					
7. Maintenance Operations	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-3012	Perform In-Process Inspections	BNCOC	QT	3
8. Maintenance Management I	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-3011	Write a Standing Operating Procedure (SOP)	BNCOC	QT	3
	093-SSG-3013	Maintain Property Accountability	BNCOC	QT	3
	093-SSG-3014	Assess Battlefield Damage	BNCOC	QT	3
	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
	Skill Level 4				
9. Maintenance Management II	093-SFC-4101	Manage a Shop Security Program	ANCOC	MO	4

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-SFC-4103	Prepare Input to Materiel Condition Status Report	ANCOC	QT	4
	093-SFC-4104	Manage SAMS-1 System Administration	ANCOC	SA	4
	093-SFC-4105	Manage Hand Receipt Functions	ANCOC	SA	4
	093-SFC-4106	Manage Maintenance Shop Operations	ANCOC	QT	4
	093-SFC-4107	Manage Logistics Support	ANCOC	QT	4
	093-SFC-4108	Manage Shop Personnel Actions	ANCOC	SA	4
	093-SFC-4109	Review SAMS-2 Reports	ANCOC	SA	4
	093-SFC-4110	Conduct Site Reconnaissance	UNIT	AN	4
	093-SFC-4111	Coordinate Activities Between Production Control and Supply Support Activity	ANCOC	MO	4
	093-SFC-4112	Manage Shop Supply Operations	ANCOC	QT	4
	093-SFC-4113	Provide Liaison to Supported Units	ANCOC	AN	4
	093-SFC-4114	Manage Operational Readiness Float (ORF) Transactions	ANCOC	AN	4

CHAPTER 3

MOS/Skill Level Tasks

Skill Level 1

Subject Area 1: PATRIOT System Maintenance

Repair In-Place (RIP) Patriot System Wiring and Cables

093-27X-1500

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34--2; TM 9-1425-1602-34-2; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1430-602-34; TM 9-1430-1602-34; TM 9-1430-603-34; TM 9-1430-604-34; TM 9-1430-1604-34; TM 9-1430-600-24P; TM 9-1430-1600-24P1; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-602-24P; TM 9-1430-1602-24P; TM 9-1430-603-24P; TM 9-1430-604-24P; TM 9-1430-1604-24P; TM 9-1440-600-34; TM 9-1440-600-24P; DA Form 2407; and DA PAM 738-750..

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The repair in-place (RIP) PATRIOT system wiring and cables were repaired according to TM 9-1425-600-34, TM 9-1425-1600-34. The PATRIOT missile system operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2 and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the Repair in-Place PATRIOT system wiring and cables and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the Repair in-Place PATRIOT system wiring and cables were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	

References

Required

TM 9-1425-1602-34-2
TM 9-1425-602-34-1
TM 9-1425-602-34-2
TM 9-1430-1600-24P
TM 9-1430-1600-34
TM 9-1430-1601-24P
TM 9-1430-1601-34
TM 9-1430-1602-24P
TM 9-1430-1602-34
TM 9-1430-1604-24P
TM 9-1430-600-24P
TM 9-1430-600-34
TM 9-1430-601-24P
TM 9-1430-601-34
TM 9-1430-602-24P
TM 9-1430-602-34
TM 9-1430-603-24P
TM 9-1430-603-34
TM 9-1430-604-24P
TM 9-1430-604-34
TM 9-1440-600-24P
TM 9-1440-600-34
TM 9-4935-601-14

Related

**Repair Patriot System Fiber Optic Cables
093-27X-1501**

Conditions: Perform this task given: PATRIOT tool kit; TFOCA I/II tool kit; appropriate test equipment and accessories listed in TM 9-1425-602-34-1, TM 9-1425-602-34-2, TM 9-1425-1602-34-1, TM 9-1425-1602-34-2, TM 9-4935-601-14; TM 11-6020-200-10; TM 11-6625-3253-40&P; DA Form 2407 and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The Patriot system fiber optic cables were repaired according to TM 11-6625-3253-40&P and operated according to TM 9-1425-602-34-1 and TM 9-1425-602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Notes: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inspected the PATRIOT system fiber optic-cables and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective cables. | _____ | _____ |
| 5. Verified the PATRIOT system fiber optic-cables were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 11-6020-200-10
- TM 11-6625-3253-40&P
- TM 9-1425-1602-34-1
- TM 9-1425-1602-34-2
- TM 9-1425-602-34-1
- TM 9-1425-602-34-2
- TM 9-4935-601-14

Related

Subject Area 2: Engagement Control Station (ECS) Maintenance

Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Power Distribution and Display Circuits
093-27X-1000

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and ICC, energized; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-600-24P; TM 9-1430-1600-24P; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1430-602-24P; TM 9-1430-602-34; TM 9-1425-1602-34; TM 9-1430-603-24P; TM 9-1430-604-24P; TM 9-1430-1604-24P; TM 9-1430-604-34; TM 9-1430-1604-34; TM 9-1430-1602-24P; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The ECS/ICC circuits were repaired according to TM 9-1430-600-34, TM 9-1430-1600-34, TM 9-1430-602-34, TM 9-1430-1602-34, TM 9-1430-604-34, or TM 9-1430-1604-34 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the ECS or ICC power control distribution and display circuits and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the ECS or ICC power control distribution and display circuits were operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1600-24P	
TM 9-1430-1600-34	

References

Required

TM 9-1430-1602-24P
TM 9-1430-1602-34
TM 9-1430-1604-24P
TM 9-1430-1604-34
TM 9-1430-600-24P
TM 9-1430-600-34
TM 9-1430-602-24P
TM 9-1430-602-34
TM 9-1430-603-24P
TM 9-1430-604-24P
TM 9-1430-604-34
TM 9-4935-601-14

Related

**Repair Engagement Control Station / Information and Coordination Central / Communications
Relay Group (ECS/ICC/CRG) Environmental Control Circuits
093-27X-1001**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS, ICC, or CRG energized; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-600-24P; TM 9-1430-1600-24P; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1430-602-24P; TM 9-1430-1602-24; TM 9-1430-602-34; TM 9-1430-1602-34; TM 9-1430-604-24P; TM 9-1430-604-34; TM9-1430-1604-34; TM 9-1430-604-24P; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The ECS/ICC circuits were repaired according to TM 9-1430-600-34, TM 9-1430-1600-34, TM 9-1430-602-34, TM 9-1430-1602-34, TM 9-1430-604-34, or TM 9-1430-1604-34 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|---|---|
| 1. Inspected the ECS, ICC, or CRG Environmental Control circuits and corrected any defects. | — | — |
| 2. Initiated diagnostics. | — | — |
| 3. Performed proper troubleshooting techniques. | — | — |
| 4. Repaired or replaced the defective module or component. | — | — |
| 5. Verified the ECS, ICC, or CRG Environmental Control circuits were operational. | — | — |
| 6. Completed all maintenance forms. | — | — |
| 7. Observed all safety precautions. | — | — |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1600-24P	
TM 9-1430-1600-34	
TM 9-1430-1602-24P	
TM 9-1430-1602-34	
TM 9-1430-1604-24P	

References

Required

TM 9-1430-1604-34
TM 9-1430-600-24P
TM 9-1430-600-34
TM 9-1430-602-24P
TM 9-1430-602-34
TM 9-1430-604-24P
TM 9-1430-604-34
TM 9-4935-601-14

Related

Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Display and Control Circuits
093-27X-1002

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS or ICC, energized; TM 9-1425-600-34, TM 9-1425-600-34-4; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-600-24P; TM 9-1430-1600-24P; TM 9-1430-602-24P; TM 9-1430-1602-24P; TM 9-1430-602-34; TM 9-1430-1602-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The display and control group was repaired according to TM 9-1425-600-34, TM 9-1425-1600-34 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inspected the display and control group and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the display and control group was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-600-34	
TM 9-1425-600-34-4	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1600-24P	
TM 9-1430-1602-24P	
TM 9-1430-1602-34	
TM 9-1430-600-24P	
TM 9-1430-602-24P	
TM 9-1430-602-34	

References

Required

TM 9-4935-601-14

Related

**Repair Engagement Control Station / Information and Coordination Central / Communications
Relay Group (ECS/ICC/CRG) Antenna Control and Monitor Circuits
093-27X-1003**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and AMG, energized; TM 9-1425-600-34, TM 9-1425-1600-34; TM 9-1425-600-34-9, TM 9-1425-1600-34-9; TM 9-1430-600-24P; TM 9-1430-1600-24P; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1430-603-24P; TM 9-1430-603-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The antenna control and monitor circuits were repaired and operated according to TM 9-1425-600-34-9, TM 9-1425-1600-34-9, TM 9-1430-600-34, TM 9-1430-1600-34 and TM 9-1430-603-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the antenna control and monitor circuits and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the antenna control and monitor circuits were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1600-34	
TM 9-1425-1600-34-9	
TM 9-1425-600-34	
TM 9-1425-600-34-9	
TM 9-1430-1600-24P	
TM 9-1430-1600-34	
TM 9-1430-600-24P	
TM 9-1430-600-34	
TM 9-1430-603-24P	
TM 9-1430-603-34	
TM 9-4935-601-14	

**Repair Engagement Control Station / Information and Coordination Central (ECS/ICC)
Communications Interface Circuits
093-27X-1004**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS, ICC, or CRG, energized; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1425-600-34-8, TM 9-1425-1600-34-8; TM 9-1425-600-34-9; TM 9-1425-1600-34-9; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-600-24P; TM 9-1430-1600-24P, TM 9-1430-602-24P; TM 9-1430-1602-24P; TM 9-1430-602-34; TM 9-1430-1602-34; TM 9-1430-604-24P; TM 9-1430-1604-24P; TM 9-1430-604-34; TM 9-1430-1604-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The communications interface circuits were repaired according to TM 9-1425-600-34-8, TM 9-1425-1600-34-8, TM 9-1425-600-34-9, TM 9-1425-1600-34-9 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

	<u>GO</u>	<u>NO GO</u>
1. Inspected the communications interface circuits and corrected any defects.	___	___
2. Initiated diagnostics.	___	___
3. Performed proper troubleshooting techniques.	___	___
4. Repaired or replaced the defective module or component.	___	___
5. Verified the communications interface circuits were operational.	___	___
6. Completed all maintenance forms.	___	___
7. Observed all safety precautions.	___	___

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1600-34-8	
TM 9-1425-1600-34-9	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-600-34-8	
TM 9-1425-600-34-9	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1600-24P	

References

Required

TM 9-1430-1600-34
TM 9-1430-1602-24P
TM 9-1430-1602-34
TM 9-1430-1604-24P
TM 9-1430-1604-34
TM 9-1430-600-24P
TM 9-1430-600-34
TM 9-1430-602-24P
TM 9-1430-602-34
TM 9-1430-604-24P
TM 9-1430-604-34
TM 9-4935-601-14

Related

**Repair Engagement Control Station / Information and Coordination Central (ECS/ICC) Enhanced Weapons Control Computer (EWCC)
093-27X-1005**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-600-34, TM 9-1425-600-34-5, TM 9-1425-1600-34-5; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-600-24P; TM 9-1430-1600-24P, TM 9-1430-601-24P, TM 9-1430-1601-24P, DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The EWCC was repaired according to TM 9-1425-600-34, TM 9-1425-600-34-5, and TM 9-1425-1600-34-5, and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the EWCC and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the EWCC was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1600-34-5	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-600-34	
TM 9-1425-600-34-5	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1600-24P	
TM 9-1430-1600-34	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	

References

Required

TM 9-1430-1602-24P
TM 9-1430-1602-34
TM 9-1430-600-24P
TM 9-1430-600-34
TM 9-1430-601-24P

Related

**Repair Engagement Control Station / Information and Coordination Central / Communications
Relay Group PAC-3 Communication Enhancement Circuits IDOCS/ OCU (Config 3)
093-27X-1006**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1430-602-34; TM 9-1430-604-34; TM 9-1430-1604-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-1600-24P; TM 9-1430-1602-24P; TM 9-1430-1602-34; TM 9-1430-1604-24P; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The ECS/ICC/CRG-PAC 3 Communication Enhancement Circuits were repaired according to TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1430-602-34; TM 9-1430-1602-34; TM 9-1430-604-34 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2 and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Notes: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

1. Inspected the ECS/ICC/CRG PAC-3 Communication Enhancement Circuits IDOC/ OCU (Configuration 3) and corrected any defects.	—	—
2. Initiated diagnostics.	—	—
3. Performed proper troubleshooting techniques.	—	—
4. Repaired or replaced the defective module or component.	—	—
5. Verified the ECS/ICC/CRG PAC-3 Communication Enhancement Circuits IDOC/ OCU (Configuration 3) were operational.	—	—
6. Completed all maintenance forms.	—	—
7. Observed all safety precautions.	—	—

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1600-24P	
TM 9-1430-1600-34	
TM 9-1430-1602-24P	

References

Required

TM 9-1430-1602-34
TM 9-1430-1604-24P
TM 9-1430-1604-34
TM 9-1430-600-34
TM 9-1430-602-34
TM 9-1430-604-34
TM 9-4935-601-14

Related

**Repair Engagement Control Station (ECS) Launching Station (LS) Data Link Terminal (DLT)
093-27X-1007**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and LS, energized; TM 9-1425-600-34, TM 9-1425-1600-34; TM 9-1425-600-34-7, TM 9-1425-1600-34-7; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-600-24P; TM 9-1430-1600-24P, TM 9-1440-600-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The ECS DLT was repaired according to TM 9-1425-600-34-7, TM 9-1425-1600-34-7 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the Engagement Control Station (ECS) Launching Station (LS) Data Link Terminal (DLT) and corrected any defects.	—	—
2. Initiated diagnostics.	—	—
3. Performed proper troubleshooting techniques.	—	—
4. Repaired or replaced the defective module or component.	—	—
5. Verified the ECS LS DLT was operational.	—	—
6. Completed all maintenance forms.	—	—
7. Observed all safety precautions.	—	—

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1600-34	
TM 9-1425-1600-34-7	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-600-34	
TM 9-1425-600-34-7	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1600-24P	
TM 9-1430-600-24P	
TM 9-1440-600-34	

STP 9-27X14-SM-TG

References

Required

TM 9-4935-601-14

Related

Subject Area 3: Radar Set (RS) Maintenance

**Repair Radar Set (RS) Power Distribution and Control Circuits
093-27X-1100**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-601-20-3, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RS power distribution and control circuits were repaired according to TM 9-1430-601-34, TM 9-1430-1601-34 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the RS power distribution and control circuits and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the RS power distribution and control circuits were operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-20-3	
TM 9-1430-601-24P	
TM 9-1430-601-34	

STP 9-27X14-SM-TG

References

Required

TM 9-4935-601-14

Related

Repair Radar Set / Engagement Control Station (RS/ECS) Radar/ Weapons Control Interface Unit (R/WCIU)

093-27X-1101

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1430-601-20-3, TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-600-34-6, TM 9-1425-1600-34-6; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-600-24P, TM 9-1430-601-24P, TM 9-1430-1601-24P, DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The R/WCIU was repaired according to TM 9-1425-600-34-6, TM 9-1425-1600-34-6 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the R/WCIU and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the R/WCIU was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1600-34-6	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-600-34-6	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1600-24P	
TM 9-1430-1600-34	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-600-24P	
TM 9-1430-600-34	

References

Required

TM 9-1430-604-20-3

TM 9-1430-601-24P

TM 9-1430-601-34

TM 9-4935-601-14

Related

**Repair Radar Set (RS) Mechanics
093-27X-1102**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-20-3, TM 9-1430-601-24P, TM 9-1430-1601-24P; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The Radar Set Mechanics was repaired according to TM 9-1430-601-34, TM 9-1430-1601-34 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RS mechanics and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RS mechanics were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-20-3	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-4935-601-14	

**Repair Radar Set (RS) Control Unit Group- Input/ Output Controller (CUG-IOC)
093-27X-1103**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-3, TM 9-1430-1601-34-3; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The CUG-IOC was repaired according to TM 9-1430-601-34-3, TM 9-1430-1601-34-3 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the CUG-IOC and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the CUG-IOC was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-3	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-3	
TM 9-4935-601-14	

**Repair Radar Set (RS) Beam Steering Processor (BSP)
093-27X-1104**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-5, TM 9-1430-1601-34-5; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The BSP was repaired according to TM 9-1430-601-34-5, TM 9-1430-1601-34-5 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the BSP and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the BSP was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-5	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-5	
TM 9-4935-601-14	

**Repair Radar Set (RS) Exciter Group
093-27X-1105**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-6, TM 9-1430-1601-34-6; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RS exciter group was repaired according to TM 9-1430-601-34-6, TM 9-1430-1601-34-6 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RS exciter group and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RS exciter group was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-6	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-6	
TM 9-4935-601-14	

Repair Radar Set (RS) Control Unit Group Trigger Generator (CUG-TG) and Radar Transmitter Group Interface Unit (RTG-IU)

093-27X-1106

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-4, TM 9-1430-1601-34-4; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The CUG-TG and the RTG-IU were repaired according to TM 9-1430-601-34-4, TM 9-1430-1601-34-4 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inspected the CUG-TG and the RTG-IU and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the CUG-TG and the RTG-IU were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-4	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-4	
TM 9-4935-601-14	

**Repair Radar Set (RS) Transmitter Group Power Conditioning Circuits
093-27X-1107**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-7, TM 9-1430-1601-34-7; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RTG power conditioning circuits were repaired according to TM 9-1430-601-34-7, TM 9-1430-1601-34-7 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inspected the RTG power conditioning circuits and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RTG power conditioning circuits were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-7	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-7	
TM 9-4935-601-14	

**Repair Radar Set (RS) Transmitter Group High Voltage Distribution and Control Circuits
(Configuration 3)**

093-27X-1108

Conditions: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-7, TM 9-1430-1601-34-7; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RTG high voltage distribution and control circuits were repaired according to TM 9-1430-601-34-7, TM 9-1430-1601-34-7 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|---|---|
| 1. Inspected the RTG high voltage distribution and control circuits and corrected any defects. | — | — |
| 2. Initiated diagnostics. | — | — |
| 3. Performed proper troubleshooting techniques. | — | — |
| 4. Repaired or replaced the defective module or component. | — | — |
| 5. Verified the RTG high voltage distribution and control circuits were operational. | — | — |
| 6. Completed all maintenance forms. | — | — |
| 7. Observed all safety precautions. | — | — |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-7	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-7	
TM 9-4935-601-14	

Repair Radar Set (RS) Receiver Group Radio Frequency (RF) Amplification Circuits (Configuration 3)

093-27X-1109

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-7, TM 9-1430-1601-34-7; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RS Receiver Group RF Amplification circuits were repaired according to TM 9-1430-601-34-7, TM 9-1430-1601-34-7 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inspected the RS Receiver Group RF Amplification circuits and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RS Receiver Group RF Amplification circuits were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-7	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-7	
TM 9-4935-601-14	

**Repair Radar Set (RS) Transmitter Group Control Logic Circuits
093-27X-1110**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-7, TM 9-1430-1601-34-7, DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RTG control logic circuits were repaired according to TM 9-1430-601-34-7, TM 9-1430-1601-34-7 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RTG control logic circuits and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RTG control logic circuits were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-7	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-7	
TM 9-4935-601-14	

**Repair Radar Set (RS) Transmitter Group Logic and Command BITE Circuits
093-27X-1111**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-7, TM 9-1430-1601-34-7; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RTG logic command and BITE circuits were repaired according to TM 9-1430-601-34-7, TM 9-1430-1601-34-7 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inspected the RTG logic command and BITE circuits and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RTG logic command and BITE circuits were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required

Related

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-1602-34-1
- TM 9-1425-1602-34-2
- TM 9-1425-602-34-1
- TM 9-1425-602-34-2
- TM 9-1430-1601-24P
- TM 9-1430-1601-34
- TM 9-1430-1601-34-7
- TM 9-1430-601-24P
- TM 9-1430-601-34
- TM 9-1430-601-34-7
- TM 9-4935-601-14

**Repair Radar Set (RS) Transmitter Group High Voltage Distribution and Control Circuits
093-27X-1112**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-1601-24P; TM 9-1430-1601-34-7; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RS Transmitter Group High Voltage Distribution and Control Circuits (Configuration 3) were repaired according to TM 9-1430-1601-34-7 and operated according to TM 9-1425-1602-34-1 and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Notes: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

1. Inspected the RTG high voltage distribution and control circuits (Configuration 3) and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the RTG high voltage distribution and control circuits (Configuration 3) were operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-7	
TM 9-4935-601-14	

**Repair Radar Set (RS) Transmitter Group Control Logic Circuits (Configuration 3)
093-27X-1113**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-1601-24P, TM 9-1430-1601-34-7; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RS Transmitter Group Control Logic Circuits (Configuration 3) were repaired according to TM 9-1430-601-34, TM 9-1430-601-34-7, TM 9-1430-1601-34-7 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Notes: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RTG control logic circuits (Configuration 3) and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RTG control logic circuits (Configuration 3) were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

- | | |
|---------------------|----------------|
| Required | Related |
| DA FORM 2407 | |
| DA PAM 738-750 | |
| TM 9-1425-1602-34-1 | |
| TM 9-1425-1602-34-2 | |
| TM 9-1425-602-34-1 | |
| TM 9-1425-602-34-2 | |
| TM 9-1430-1601-24P | |
| TM 9-1430-1601-34 | |
| TM 9-1430-1601-34-7 | |
| TM 9-4935-601-14 | |

**Perform Radar Transmitter Group Adjustments
093-27X-1114**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-7, TM 9-1430-1601-34-7; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RTG RF amplification circuits were repaired according to TM 9-1430-601-34-7, TM 9-1430-1601-34-7 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 through 12 will be performed according to Tm 9-1425-602-34-1, Chapter 6.

- | | | |
|---|-----|-----|
| 1. Inspected the Radar Transmitter Group (RTG) and corrected any defects. | ___ | ___ |
| 2. Initiated diagnostics. | ___ | ___ |
| 3. Performed Low Level Travelling Wave Tube (TWT) Voltage and Current adjustments. | ___ | ___ |
| 4. Performed Low Level Travelling Wave Tube (TWT) Radio Frequency (RF) adjustments. | ___ | ___ |
| 5. Performed Standby Voltage adjustments. | ___ | ___ |
| 6. Performed Driver Travelling Wave Tube (TWT) Voltage and Current adjustments. | ___ | ___ |
| 7. Performed Driver Travelling Wave Tube (TWT) Radio Frequency (RF) adjustments. | ___ | ___ |
| 8. Performed Cross-Field Amplifier Voltage and Current adjustments. | ___ | ___ |
| 9. Performed Synchronizer Timing adjustments. | ___ | ___ |
| 10. Performed Static Frequency Converter (SFC) Recharge Rate adjustment. | ___ | ___ |
| 11. Performed Radio Frequency Crystal Detector adjustments. | ___ | ___ |
| 12. Performed Driver Modulator Rise Time and Pulse Delay test. | ___ | ___ |
| 13. Verified the Radar Transmitter Group (RTG) circuits were operational. | ___ | ___ |
| 14. Completed all maintenance forms. | ___ | ___ |
| 15. Observed all safety precautions. | ___ | ___ |

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-1602-34-1
- TM 9-1425-1602-34-2

Related

References

Required

TM 9-1425-602-34-1
TM 9-1425-602-34-2
TM 9-1430-1601-24P
TM 9-1430-1601-34
TM 9-1430-1601-34-7
TM 9-1430-601-24P
TM 9-1430-601-34
TM 9-1430-601-34-7
TM 9-4935-601-14

Related

**Repair Radar Set (RS) Receiver Group Input/ Output Control Unit (IOCU)
093-27X-1115**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-8, TM 9-1430-1601-34-8; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG-IOCU was repaired according to TM 9-1430-601-34-8, TM 9-1430-1601-34-8 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RRG-IOCU and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RRG-IOCU was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-8	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-8	
TM 9-4935-601-14	

**Repair Radar Set (RS) Receiver Group Waveform Generator (WFG)
093-27X-1117**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-9, TM 9-1430-1601-34-9; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG WFG was repaired according to TM 9-1430-601-34-9, TM 9-1430-1601-34-9 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the RRG WFG and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the RRG WFG was operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-9	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-9	
TM 9-4935-601-14	

**Repair Radar Set (RS) Receiver Group Pulse Expansion (PE)
093-27X-1118**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-10; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG PE compression unit was repaired according to TM 9-1430-601-34-10, TM 9-1430-1601-34-10 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inspected the RRG PE compression unit and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RRG PE compression unit was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-10	
TM 9-4935-601-14	

**Repair Radar Set (RS) Receiver Group Lens Front End
093-27X-1119**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-11; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG lens front end was repaired according to TM 9-1430-601-34-11, TM 9-1430-1601-34-11 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the RRG lens front end and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the RRG lens front end was operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-11	
TM 9-4935-601-14	

**Repair Radar Set (RS) Receiver Group Comparator Front End
093-27X-1120**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-12, TM 9-1430-1601-34-12; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG comparator front end was repaired according to TM 9-1430-601-34-12, TM 9-1430-1601-34-12 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RRG comparator front end and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RRG comparator front end was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-12	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-12	
TM 9-4935-601-14	

**Repair Radar Set (RS) Receiver Group Search/Track IF Processor (S/TIF)
093-27X-1121**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-13, DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG search/track IF processor was repaired according to TM 9-1430-601-34-13, TM 9-1430-1601-34-13 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inspected the RRG search/track IF processor and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RRG search/track IF processor was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-13	
TM 9-4935-601-14	

**Repair Radar Set (RS) Receiver Group Sidelobe Canceller (SLC)
093-27X-1122**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-14, DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P1, TM 9-1430-1601-24P2; TM 9-1430-601-34-14, TM 9-1430-1601-34-14; DA Form 2407; and DA PAM 738-750.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RRG-SLC and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RRG-SLC was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-14	
TM 9-4935-601-14	

**Repair Radar Set (RS) Receiver Group Electronic Counter-Countermeasures (ECCM) Processor
093-27X-1123**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34; TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-1601-24P; TM 9-1430-601-34-15, DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG ECCM processor was repaired according to TM 9-1430-601-34-15, TM 9-1430-1601-34-15 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RRG ECCM processor and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RRG ECCM processor was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required

Related

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-1602-34-1
- TM 9-1425-1602-34-2
- TM 9-1425-602-34-1
- TM 9-1425-602-34-2
- TM 9-1430-1601-24P
- TM 9-1430-1601-34
- TM 9-1430-601-34
- TM 9-1430-601-34-15
- TM 9-4935-601-14

**Repair Radar Set (RS) Receiver Group Track Via Missile Digital Processor (TVM-DIG)
093-27X-1124**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P, TM 9-1430-601-34-16, DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG TVM digital processor was repaired according to TM 9-1430-601-34-16, TM 9-1430-1601-34-16 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inspected the RRG TVM digital processor and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RRG TVM digital processor was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-16	
TM 9-4935-601-14	

**Repair Radar Set (RS) Receiver Group Track Via Missile Analog Processor (TVM-AP)
093-27X-1125**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-17; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG TVM-AP was repaired according to TM 9-1430-601-34-17, TM 9-1430-1601-34-17 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RRG TVM-AP and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RRG TVM-AP was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required

Related

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-1602-34-1
- TM 9-1425-1602-34-2
- TM 9-1425-602-34-1
- TM 9-1425-602-34-2
- TM 9-1430-1601-24P
- TM 9-1430-1601-34
- TM 9-1430-601-24P
- TM 9-1430-601-34
- TM 9-1430-601-34-17
- TM 9-4935-601-14

**Repair Radar Set (RS) Receiver Group Track Via Missile Correlator Processor (TVM-CP)
093-27X-1126**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-18; TM 9-1430-1601-34-18; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG TVM-CP was repaired according to TM 9-1430-601-34-18, TM 9-1430-1601-34-18 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RRG TVM-CP and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RRG TVM-CP was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-18	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-18	
TM 9-4935-601-14	

**Repair Radar Set (RS) Receiver Group Wide-Band Receiver (Configuration 3)
093-27X-1127**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-1601-34; TM 9-1425-1602-34-1; TM 9-1425-1602-34-2; TM 9-1430-1601-24P; TM 9-1430-1601-34-27; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The Radar Receiver Group (RRG) Wide-Band Receiver was repaired according to TM 9-1430-1601-34 and operated according to TM 9-1425-1602-34-1 and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Notes: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the RRG wide-band receiver (Configuration 3) and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the RRG wide-band receiver (Configuration 3) was operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-27	
TM 9-4935-601-14	

**Perform Radar Receiver Group Adjustments
093-27X-1128**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-7; TM 9-1430-1601-34-7; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The Radar Receiver Group Adjustments were performed according to TM 9-1430-601-34-7, TM 9-1430-1601-34-7 and operated according to TM 9-1430-601-24P, TM 9-1430-1601-24P1, TM 9-1430-1601-24P2, TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 through 8 will be performed according to TM 9-1425-602-34-1 and TM 9-1425-1602-34-1, Chapter 6.

- | | | |
|--|-------|-------|
| 1. Inspected the Radar Receiver Group (RRG) and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed Search/Track Radio Frequency Level adjustments. | _____ | _____ |
| 4. Performed Electronic Counter-Countermeasures Processor adjustments. | _____ | _____ |
| 5. Performed Exciter adjustment. | _____ | _____ |
| 6. Performed Track-Via-Missile Analog Processor adjustments. | _____ | _____ |
| 7. Performed Track-Via-Missile Coorelator Processor adjustments. | _____ | _____ |
| 8. Performed Sidelobe Canceller adjustments. | _____ | _____ |
| 9. Verified the Radar Receiver Group (RRG) circuits were operational. | _____ | _____ |
| 10. Completed all maintenance forms. | _____ | _____ |
| 11. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-50	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-13	
TM 9-1430-601-34-14	
TM 9-1430-601-34-15	

References

Required

TM 9-1430-601-34-17
TM 9-1430-601-34-18
TM 9-1430-601-34-6
TM 9-1430-601-34-7
TM 9-4935-601-14

Related

**Repair Radar Set (RS) Signal Processor Group Input/ Output Controller (SPG-IOC)
093-27X-1129**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-20; TM 9-1430-1601-34-20; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The SPG-IOC was repaired according to TM 9-1430-601-34-20, TM 9-1430-1601-34-20 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the SPG-IOC and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the SPG-IOC was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-20	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-20	
TM 9-4935-601-14	

**Repair Radar Set (RS) Signal Processor Group- Digital Signal Processor 1 (DSP-1)
093-27X-1130**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-22; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The SPG-DSP 1 was repaired according to TM 9-1430-601-34-22, TM 9-1430-1601-34-22 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the SPG-DSP 1 and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the SPG-DSP 1 was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-22	
TM 9-4935-601-14	

**Repair Radar Set (RS) Signal Processor Group- Digital Signal Processor 2 (DSP2)
093-27X-1131**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-22; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The SPG-DSP 2 was repaired according to TM 9-1430-601-34-22, TM 9-1430-1601-34-22 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the SPG-DSP 2 and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the SPG-DSP 2 was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-22	
TM 9-4935-601-14	

**Repair Radar Set (RS) Signal Processor Group- Digital Signal Processor 3 (DSP3)
093-27X-1132**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-23; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The SPG-DSP 3 was repaired according to TM 9-1430-601-34-23, TM 9-1430-1601-34-23 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the SPG-DSP 3 and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the SPG-DSP 3 was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required

Related

- DA FORM 2407
- DA PAM 738-750
- TM 9-1425-1602-34-1
- TM 9-1425-1602-34-2
- TM 9-1425-602-34-1
- TM 9-1425-602-34-2
- TM 9-1430-1601-24P
- TM 9-1430-1601-34
- TM 9-1430-601-24P
- TM 9-1430-601-34
- TM 9-1430-601-34-23
- TM 9-4935-601-14

**Repair Radar Set (RS) Signal Processor Group- Pulse Doppler Digital Signal Processor 4 (SPG-DSP4)
093-27X-1133**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-25; TM 9-1430-1601-34-25; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The SPG-DSP4 was repaired according to TM 9-1430-601-34-25, TM 9-1430-1601-34-25 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the SPG-DSP4 and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the SPG-DSP4 was operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-25	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-25	
TM 9-4935-601-14	

Repair Radar Set (RS) Signal Processor Group- High Range Resolution Digital Signal Processor 5 (SPG-HRR-DSP5)

093-27X-1134

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-1600-34; TM 9-1430-1601-34; TM 9-1425-1602-34-1; TM 9-1425-1602-34-2; TM 9-1430-1601-24P; TM 9-1430-1601-34-26; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The Radar Set (RS) Signal Processor Group- High Range Resolution Digital Signal Processor 5 (SPG-HRR-DSP 5) was repaired according to TM 9-1430-1601-34-26 and operated according to TM 9-1425-1602-34-1 and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Notes: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the SPG-HRR-DSP5 and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the SPG-HRR-DSP5 was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1430-1600-34	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-26	
TM 9-4935-601-14	

**Repair Radar Set (RS) Identification Friend or Foe (IFF) Radar Interface Circuits
093-27X-1135**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-34-24; TM 11-5895-824-12; TM 11-5895-824-40P; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The IFF Radar Interface Circuits was repaired according to TM 9-1430-601-34-24, TM 9-1430-1601-34-24 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738 750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the IFF Radar Interface Circuits and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the IFF radar interface circuits were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 11-5895-824-12	
TM 11-5895-824-40P	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-34	
TM 9-1430-601-34	
TM 9-1430-601-34-24	
TM 9-4935-601-14	

**Repair Radar Set (RS) Digital Azimuth Control Unit (DACU)
093-27X-1136**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RS DACU was repaired according to TM 9-1430-601-34, TM 9-1430-1601-34 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RS DACU and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RS DACU was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-4935-601-14	

**Repair Radar Set (RS) Environmental Control Systems
093-27X-1137**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34; TM 9-1430-1601-34; TM 9-1430-601-20-3; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P; TM 9-1430-1601-24P; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The Radar Set (RS) Environmental Control Systems were repaired according to TM 9-1430-601-34, TM 9-1430-1601-34 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Notes: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the RS environmental control systems and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the RS environmental control systems were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-601-20-3	
TM 9-1430-601-34-15	
TM 9-1430-601-34-17	
TM 9-1430-601-34-18	

**Repair Radar Set (RS) Receiver Group (RRG) Waveform Generator/ Receiver (Configuration 3)
093-27X-1138**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1430-601-34, TM 9-1430-1601-34; TM 9-1425-602-34-1, TM 9-1425-1602-34-1; TM 9-1425-602-34-2, TM 9-1425-1602-34-2; TM 9-1430-601-24P, TM 9-1430-1601-24P; TM 9-1430-601-34-9; TM 9-1430-1601-34-9; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The RRG Waveform Generator/ Receiver was repaired according to TM 9-1430-601-34-9, TM 9-1430-1601-34-9 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the RRG Waveform Generator/ Receiver and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the RRG Waveform Generator/ Receiver was operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1425-1602-34-1	
TM 9-1425-1602-34-2	
TM 9-1425-602-34-1	
TM 9-1425-602-34-2	
TM 9-1430-1601-24P	
TM 9-1430-1601-34	
TM 9-1430-1601-34-9	
TM 9-1430-601-24P	
TM 9-1430-601-34	
TM 9-1430-601-34-9	
TM 9-4935-601-14	

Subject Area 4: Launching Station (LS) Maintenance

Repair Launching Station (LS) Mechanics
093-27X-1200

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in and TM 9-4935-601-14; LS, energized; LSTS; TM 9-1440-600-24P; TM 9-1440-600-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The LS mechanics were repaired and operated according to TM 9-1440-600-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the LS mechanics and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the LS mechanics were operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References	
Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1440-600-24P	
TM 9-1440-600-34	
TM 9-4935-601-14	

**Repair Launching Station (LS) Launcher Electronics Module (LEM)
093-27X-1201**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in and TM 9-4934-601-14; LS, energized; LSTS; TM 9-1440-600-24P; TM 9-1440-600-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The LEM was repaired and operated according to TM 9-1440-600-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the LEM and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the LEM was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1440-600-24P
- TM 9-1440-600-34
- TM 9-4935-601-14

Related

**Repair Launching Station Test Set (LSTS)
093-27X-1202**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in and TM 9-4934-601-14; LS, energized; LSTS; TM 9-1440-600-24P; TM 9-1440-600-34; TM 9-4935-603-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The LSTS was repaired and operated according to TM 9-4935-603-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the LSTS and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the LSTS was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1440-600-34
- TM 9-4935-600-24P
- TM 9-4935-601-14
- TM 9-4935-603-34

Related

**Repair Launching Station (LS) Launcher Power Distribution and Control Circuits
093-27X-1203**

Conditions: : Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; LS, energized; LSTS; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1440-600-24P; TM 9-1440-600-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The launcher power distribution and control circuits were repaired and operated according to TM 9-1440-600-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the launcher power distribution and control circuits and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the launcher power distribution and control circuits were operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1430-600-34	
TM 9-1440-600-24P	
TM 9-1440-600-34	
TM 9-4935-601-14	

**Repair Launching Station (LS) Launcher Missile Round Distributor (LMRD)
093-27X-1204**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; LS, energized; LSTS; TM 9-1440-600-24P; TM 9-1440-600-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The LMRD was repaired and operated according to TM 9-1440-600-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the LMRD and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the LMRD was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1440-600-24P
- TM 9-1440-600-34
- TM 9-4935-601-14

Related

**Repair PAC-3 Launching Station (LS)
093-27X-1205**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and RS, energized; TM 9-1440-600-34; TM 9-1425-602-34-1, TM 9-1425-602-34-2, TM 9-1425-1602-34-1, TM 9-1425-1602-34-2, TM 9-1440-600-24P; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The PAC-3 Launching Station (LS) was repaired according to TM 9-1440-600-34 and operated according to TM 9-1425-602-34-1, TM 9-1425-1602-34-1, TM 9-1425-602-34-2, and TM 9-1425-1602-34-2. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Notes: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected the PAC-3 LS and corrected any faults. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the PAC-3 LS was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1440-600-24P
- TM 9-1440-600-34
- TM 9-4935-601-14

Related

Repair Enhanced Electronics Launching Station (EELS) Enhanced Launcher Electronics System (ELES)
093-27X-1206

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in and TM 9-4934-1601-14; LS, energized; LSTS; TM 9-1440-1600-24P; TM 9-1440-1600-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The Enhanced Launching Station (EELS) Enhanced Launcher Electronics System (ELES) was repaired and operated according to TM 9-1440-600-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the Enhanced Launching Station (EELS) Enhanced Launcher Electronics System (ELES) and corrected any defects.	___	___
2. Initiated diagnostics.	___	___
3. Performed proper troubleshooting techniques.	___	___
4. Repaired or replaced the defective module or component.	___	___
5. Verified the Enhanced Launching Station (EELS) Enhanced Launcher Electronics System (ELES) was operational.	___	___
6. Completed all maintenance forms.	___	___
7. Observed all safety precautions.	___	___

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1440-600-24P	
TM 9-1440-600-34	
TM 9-4935-601-14	

**Repair Enhanced Electronics Launching Station (EELS) Launcher Mechanics (LM)
093-27X-1207**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in and TM 9-4934-1601-14; LS, energized; LSTS; TM 9-1440-1600-24P; TM 9-1440-1600-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The LS mechanics was repaired and operated according to TM 9-1440-600-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the Enhanced Electronics Launching Station (EELS) Launcher Mechanics (LM) and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the Enhanced Electronics Launching Station (EELS) Launcher Mechanics (LM) were operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1440-600-24P	
TM 9-1440-600-34	
TM 9-4935-601-14	

Subject Area 5: Communication Relay Group (CRG) and Antenna Mast Group (AMG) Maintenance

Repair Antenna Mast Group (AMG) Power Distribution and Control Circuits
093-27X-1300

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories TM 9-4935-601-14; ECS and AMG, energized; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1430-603-24P; TM 9-1430-603-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The AMG power distribution and control circuits were repaired and operated according to TM 9-1430-600-34 and TM 9-1430-603-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO **NO GO**

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

1. Inspected the AMG power distribution and control circuits and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the AMG power distribution and control circuits were operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required

Related

- DA FORM 2407
- DA PAM 738-750
- TM 9-1430-1600-34
- TM 9-1430-600-34
- TM 9-1430-603-24P
- TM 9-1430-603-34
- TM 9-4935-601-14

**Repair Antenna Mast Group (AMG) Azimuth Drive and Mast Sway Sensing Circuits
093-27X-1301**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; ECS and AMG, energized; TM 9-1430-600-34; TM 9-1430-1600-34; TM 9-1430-603-24P; TM 9-1430-603-34; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The AMG azimuth drive and mast sway sensing circuits were repaired and operated according to TM 9-1430-603-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.		
1. Inspected the AMG azimuth drive and mast sway sensing circuits and corrected any defects.	_____	_____
2. Initiated diagnostics.	_____	_____
3. Performed proper troubleshooting techniques.	_____	_____
4. Repaired or replaced the defective module or component.	_____	_____
5. Verified the AMG azimuth drive and mast sway sensing circuits were operational.	_____	_____
6. Completed all maintenance forms.	_____	_____
7. Observed all safety precautions.	_____	_____

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 9-1430-1600-34	
TM 9-1430-600-34	
TM 9-1430-603-24P	
TM 9-1430-603-34	
TM 9-4935-601-14	

**Repair Antenna Mast Group (AMG) Radio Frequency (RF) Amplification Circuits
093-27X-1302**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14 and TM 9-1430-603-34; ECS and AMG, energized; TM 9-1430-603-24P; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The AMG RF Amplification circuits were repaired and operated according to TM 9-1430-603-34. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inspected the AMG RF Amplification circuits and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified the AMG RF Amplification circuits were operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 9-1430-603-24P
- TM 9-1430-603-34
- TM 9-4935-601-14

Related

Subject Area 6: Identification Friend or Foe (IFF) Maintenance

**Operate Identification Friend or Foe (IFF) Radar Test Set
093-27X-1400**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 9-4935-601-14; Radar Test Set AN/UPM-155; TM 43-6625-912-12; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: The Identification Friend or Foe (IFF) Radar Test Set was operated according to TM 43-6625-912-12. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|---|-------|-------|
| 1. Inventoried/ inspected the IFF radar test set for accountability and serviceability. | _____ | _____ |
| 2. Check the processor operating functions: | _____ | _____ |
| a. Transmitter power | | |
| b. Radio Frequency (RF) pulse characteristics | | |
| c. Receiver sensitivity | | |
| d. Gain Time Control (GTC) | | |
| e. Receiver Side-Lobed Suppression (RSLs) | | |
| f. Identification of position (I/P) and emergency decoding | | |
| g. Garbled code and multiple reply detection | | |
| h. Interface | | |
| i. Fault detection | | |
| j. Mode 4 pretrigger reply detection | | |
| k. Challenge monitor | | |
| 3. Verified the IFF radar test set was operational. | _____ | _____ |
| 4. Completed all maintenance forms. | _____ | _____ |
| 5. Observed all safety precautions. | _____ | _____ |

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

References

Required

- DA FORM 2407
- DA PAM 738-750
- TM 43-6625-912-12
- TM 9-4935-601-14

Related

**Repair Identification Friend or Foe (IFF) Interrogator Set
093-27X-1401**

Conditions: Perform this task given: PATRIOT tool kit; appropriate test equipment and accessories listed in TM 11-5895-824-40P, and TM 9-4935-601-14; Interrogator Set AN/TPX-46A(V)7; Radar Test Set AN/UPM-155; TM 43-6625-912-12; TM 11-5895-824-12; TM 11-5895-824-40-1; TM 11-5895-824-40-2; TM 11-5895-824-40-3; TM 11-5895-824-40-4; DA Form 2407; and DA PAM 738-750.

Note: When performing this task, you may have to refer to additional references such as the current Interactive Electronic Technical Manual (IETM) for PATRIOT AIR DEFENSE GUIDED MISSILE SYSTEM on Electronic Media (EM) Disk.

Standards: IFF Interrogator Set AN/TPX-46A (V) 7 was repaired according to TM 11-5895-824-40-1, TM 11-5895-824-40-2, TM 11-5895-824-40-3, TM 11-5895-824-40-4, and operated according to TM 11-5895-824-12. All maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures

GO NO GO

Note: Performance measures 3 and 4 will be evaluated only if there is an indication of a malfunction in performance measure 2.

- | | | |
|--|-------|-------|
| 1. Inspected IFF interrogator set and corrected any defects. | _____ | _____ |
| 2. Initiated diagnostics. | _____ | _____ |
| 3. Performed proper troubleshooting techniques. | _____ | _____ |
| 4. Repaired or replaced the defective module or component. | _____ | _____ |
| 5. Verified IFF interrogator set was operational. | _____ | _____ |
| 6. Completed all maintenance forms. | _____ | _____ |
| 7. Observed all safety precautions. | _____ | _____ |

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

References

Required	Related
DA FORM 2407	
DA PAM 738-750	
TM 11-5895-824-12	
TM 11-5895-824-40-1	
TM 11-5895-824-40-2	
TM 11-5895-824-40-3	
TM 11-5895-824-40-4	
TM 11-5895-824-40P	
TM 43-6625-912-12	
TM 9-4935-601-14	

Skill Level 3

Subject Area 7: Maintenance Operations

Submit a Quality Deficiency Report (QDR)

093-SSG-3004

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

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

Performance Measures

GO NO GO

- | | | |
|---|---------------------------|---------------------------|
| <p>1. Identified conditions that indicated a quality deficiency exists.</p> <ul style="list-style-type: none"> a. A condition in or with the equipment, which is dangerous to people, other equipment, or the mission. b. An item or equipment that did not work right or last as long as it should because of bad design or materials. c. Items that were not within the approved equipment specifications. d. Low quality workmanship. e. Dangerous situations due to incorrect or missing data. f. Maintenance problems. g. Conditions that prevented using the equipment. h. Repeated problems that took a lot of time and no solution in sight. i. Problems requested to be reported by the National Maintenance Point (NMP). | <p>_____</p> <p>_____</p> | <p>_____</p> <p>_____</p> |
| <p>2. Identified Category I deficiencies.</p> <ul style="list-style-type: none"> a. A defect that may have caused death, injury, or severe job illness. b. A defect that would have caused loss or major damage to a weapon system. c. A defect that would critically restricted the combat readiness capabilities of the unit. | <p>_____</p> | <p>_____</p> |
| <p>3. Sent in a Category I deficiency report.</p> <ul style="list-style-type: none"> a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11. b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11 (may be phoned in). c. Sent message within 48 hours after defect or problem was found. d. Kept one copy of the SF 368 until the case was closed by the Army screening point. e. Sent one copy of the SF 368 to the support maintenance activity. | <p>_____</p> | <p>_____</p> |

NOTE Send SF 368 even if - -

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

- (2) Other units had sent in a QDR on the same problem.
- f. Identified defective equipment as exhibits.

Performance Measures	<u>GO</u>	<u>NO GO</u>
4. Identified Category II deficiencies (a defect or recommendation that did not meet the criteria for a Category I deficiency).	—	—
5. Sent in a Category II deficiency report.	—	—
a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11.		
b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11.		
c. Sent a message within 5 days after defect or problem was found.		
d. Kept one copy of the SF 368 until the case was closed by the Army screening point.		
e. Send one copy of the SF 368 to the support maintenance activity.		
<p>NOTE: Sent SF 368 even if - -</p> <p>(1) Correspondence indicates the problem was known to exist (unless corrective action was printed in the Equipment Improvement Recommendation and Digest.</p> <p>(2) Other units had sent in a QDR on the same problem.</p>		
f. Identified defective equipment as exhibits.		
6. Retained QDR exhibits:	—	—
a. Tagged each exhibit with DD Form 1575, and DD Form 2332 and classified it in a suspended supply condition code in accordance with AR 725-50.		
b. Ensured exhibits were not taken apart at organizational or support maintenance levels just to see cause of the problem.		
c. Kept the SF 368 for at least 60 days or until disposition instructions were received from the responsible command.		
d. Secured and /or segregated exhibits from all other materiel.		

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

References

Required

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

Related

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

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

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

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

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

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

References

Required

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

Related

DA PAM 738-751

Plan Work Flow
093-SSG-3006

Conditions: Perform this task given DA Forms 2407 or DA Form 5990-E/job packets with various issue priority designators, a visible index file showing the shop workload summary, and TM 38-L09-11. This task can be performed in a field or garrison environment.

Standards: Distributed all DA Forms 2407 or DA Form 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.

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

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

References

Required

DA FORM 2407
DA FORM 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, DA Pam 738-750, DA Pam 738-751, and Vehicle -10 series technical manuals. This task can be performed in a field or garrison environment.

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

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

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Coordinated with the motor pool section 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. <ul style="list-style-type: none"> a. Ensured the repairer placed a drip pan under any equipment leaking fluids onto the ground. b. Made sure parts for repair, which were not available, were entered on DA Form 5988-E or DA Form 2408-14. 	—	—
9. Checked the DD Form 314 for correctness.	—	—
10. Reported vehicle statuses to section/shop supervisor.	—	—
11. Briefed the chain of command on any observed environmental potential high-risk areas during preventive maintenance.	—	—

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

References

Required

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

Related

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

STP 9-27X14-SM-TG

References

Required

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.

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

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

References

Required

- DA FORM 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.

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

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

References

Required

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

Related

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

Perform Final Inspections
093-SSG-3010

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

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

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

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.

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

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

References

Required

DA PAM 738-750
DA PAM 738-751

Related

FM 4-30.3
TM 750-245-4

Subject Area 8: Maintenance Management I

Inspect Section/Shop Safety
093-SSG-3001

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

Standards: Inspection was conducted to ensure that all Army, company, and maintenance shop safety policies, regulations, and local SOPs were followed; all safety hazards were identified; environmental risk assessment to determine high 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.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed the Army, company, and maintenance shop safety policies, regulations, and local SOPs.	—	—
2. Ensured that all of the Army safety references and company and maintenance shop SOPs were being followed.	—	—
3. Planned inspections so that all areas were covered periodically.	—	—
a. Identified hazards to the environment 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.	—	—
12. Inspected the maintenance section/shop to ensure that all physical and high-voltage hazards had been identified.	—	—

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

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

References

Required

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

Related

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

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

Conditions: Given AR 190-13, AR 380-5, AR 380-19, AR 380-40, DA Pam 190-51, FM 3-19.30, and local and unit standing operating procedures (SOPs). This task can be performed in a field or garrison environment.

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

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

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

References

Required	Related
AR 190-13	AR 5-12
AR 380-19	DA PAM 25-380-2
AR 380-40	FM 24-33
AR 380-5	FM 34-60
DA PAM 190-51	FM 4-30.3
FM 3-19.30	

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

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

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

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

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

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

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

References**Required**

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

Related

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

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

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

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

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

References

Required
AR 750-1
DA PAM 600-67

Related

References

Required

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

Related

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

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

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

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

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

References

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

Related

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

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

Standards: Supervised the organizational maintenance team or direct support maintenance support team (MST) that identifies and performs repairs needed to restore a 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 maintenance support team (MST) on the upcoming mission to assess battlefield damage: <ul style="list-style-type: none"> a. Identified point of contact at unit/site. b. Identified the equipment was to be assessed for battlefield damage. c. Identified the equipment was needed for the upcoming mission. d. Explained Logistics support. e. Planned primary and secondary routes to unit. f. Ensured team received a copy of supported units' radio frequencies and call signs. 	—	—
2. Monitored assigned personnel to the team according to their qualifications and availability to meet the mission needs.	—	—
3. Arranged for transportation to the site.	—	—
4. Ensured that the proper battlefield assessment procedures were followed: <ul style="list-style-type: none"> a. Reviewed the operator/crew assessment and the safety checks made. b. Interviewed the operator/crew if available. c. Conducted visual inspection. d. Performed self-test. e. Tested equipment with the organizational/direct support maintenance equipment. 	—	—
5. Ensured that maintenance support team (MST) provided technical assistance to the organizational maintenance team as required.	—	—
6. Ensured that maintenance support team (MST) prioritized repairs according to battlefield damage time guidelines.	—	—
7. Ensured that all required maintenance forms were filled out correctly in accordance with DA Pam 738-750 and DA Pam 738-751: <ul style="list-style-type: none"> a. DA Form 2404 or DA Form 5988-E. b. DA Form 2407 or DA Form 5990-E. c. DD Form 1577. d. DD Form 1577-1 e. DD Form 1577-2 f. DD Form 1577-3 	—	—
8. Ensured a system assessment summary was filled out correctly and turned in.	—	—

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

References

Required

DA FORM 2404
DA FORM 2407
DA FORM 5988-E
DA FORM 5990-E
DA PAM 738-750
DA PAM 738-751
DD FORM 1577
DD FORM 1577-1
DD FORM 1577-2
DD FORM 1577-3
FM 4-30.3
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, DA Form 2064, DA Form 3318, copy of FEDLOG discs, unit's initial mandatory parts list (IMPL), unit's prescribed load list (PLL), and technical part manuals. This task can be performed in a field or garrison environment.

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

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

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

References

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

Related
FM 4-30.3

References
Required
FEDLOG

Related

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.

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

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

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

Related

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

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

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

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

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

References

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

Related

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

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

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

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

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

References

Required

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

Related

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

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

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

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

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

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

References

Required

- DA FORM 2402
- DA FORM 2404
- DA FORM 2405
- DA FORM 2407
- DA FORM 2407-1
- DA FORM 2408-12
- DA FORM 2408-13
- DA FORM 2408-13-1
- DA FORM 2410
- DA PAM 738-750
- DA PAM 738-751
- DD FORM 1574
- DD FORM 1574-1
- DD FORM 1575
- DD FORM 1575-1
- DD FORM 1576
- DD FORM 1576-1
- DD FORM 1577

Related

- FM 4-30.3
- TM 38-L09-11

References

Required

DD FORM 1577-1

DD FORM 1577-2

DD FORM 1577-3

Related

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

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

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

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

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

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

References

Required

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

Related

Skill Level 4

Subject Area 9: Maintenance Management II

Manage a Shop Security Program

093-SFC-4101

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

Standards: Reviewed shop security program and made required corrective action in accordance with required references.

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

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

References

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

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

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

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

Standards: Prepared the Materiel Condition Status Report correctly using AR 700-138.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Prepared input to DA Form 2406 (Materiel Condition Status Report)	_____	_____
a. Completed blocks 1 through 8. (Refer to AR 700-138)		
b. Completed columns 9a through 9e(3)(b). (Refer to AR 700-138 and maintenance forms)		
c. Completed columns 9f(1) through 9f(5), as locally prescribed.		
d. Completed block 10, as locally required.		
e. Completed block 11 (REMARKS), as required.		
f. Submitted for commander's signature.		
g. Completed block 12(b).		

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

2. Prepared input to DA Form 3266-1 (Army Missile Materiel Readiness Report)	_____	_____
a. Entered applicable system operational data in Part 1. (Refer to AR 700-138)		
b. Entered data on missile equipment that was non-mission capable (NMC) during the reporting period in Part 2.		
c. Entered data on missile equipment that was NMC at the close of the reporting period in Part 3.		
d. Reviewed the form and corrected any errors.		
e. Submitted the completed DA Form 3266-1 to the correct agency.		

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

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

References

Required

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

Related

DA FORM 2407
DA FORM 5986-E
DA FORM 5990-E
DD FORM 314

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

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

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

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

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

References

Required

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

Related

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

Manage Hand Receipt Functions
093-SFC-4105

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

Standards: Attained 100 percent accountability in accordance with DA Pam 710-2-1.

Performance Steps

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

Performance Measures

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

Performance Measures

	<u>GO</u>	<u>NO GO</u>
4. Sub-hand receipted property to user.	_____	_____
5. Filed HR in accordance with AR 25-400-2.	_____	_____
6. Maintained HR and files.	_____	_____

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

References

Required

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

Related

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

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

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

Standards: Accomplished all required maintenance tasks in accordance with procedures in required references.

Performance Steps

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

Performance Measures

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

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

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

References

Required

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

Related

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

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

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

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

Performance Steps

1. Identify support requirements. Review appropriate documents to identify requirements. These may include local SOPs, OPORDs, and others. Determine information such as; type/number of supported units, and type/number of supported equipment. If available, also review battle damage assessment and review (BDAR) and MCSR.
2. Identify available resources. Identify the resources on hand and the resources already committed after the support requirements have been determined. Assets to consider include: personnel; parts; tools; test, measurement, and diagnostic equipment (TMDE); publications; and transport capabilities. Other assets to consider include: ORF, facilities, location of maintenance support teams (MSTs), unit maintenance collection points (UMCPs), maintenance collection points (MCPs), and recovery/evacuation capabilities.
3. Identify other considerations. Other intangibles must be considered when managing support. Other considerations include: command priorities, environmental impact, maintenance workload, exchange/cannibalization policy, weather/terrain conditions, security, safety, certifications/training, tactical situation, and operational tempo (OPTEMPO).
4. Allocate resources. Allocate and organize resources to provide needed support after considering all requirements, resources, and other considerations.

Performance Measures

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

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

References

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

**Manage Shop Personnel Actions
093-SFC-4108**

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

Standards: Managed administrative and personnel actions impacting on shop personnel in accordance with applicable references.

Performance Steps

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

Performance Measures

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

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

References

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

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

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

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

Standards: Determined if maintenance performance was within unit's acceptable range of performance.
NOTE: Unit's acceptable range of performance can be found in the unit SOP and/or commander's intent.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified reportable and maintenance significant items. (AISM 25-L26-AHO-ZZZ-EM, TC 43-4, SOP)	—	—
2. Identified work orders that were more than 30 days old.	—	—
3. Identified maintenance turnaround time in days by unit/activity.	—	—
4. Identified operational readiness float (ORF) monthly usage and accumulation.	—	—

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

References

Required

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

Related

AISM 25-L21-AHN-ZZZ-EM

Conduct Site Reconnaissance
093-SFC-4110

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

Standards: Selected a satisfactory site and marked it in accordance with FM 4-3-.3, local SOP, and applicable references.

Performance Steps

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

Performance Measures

	<u>GO</u>	<u>NO GO</u>
1. Determined specific site requirements. (FM 4-30.3, SOP, OPORD/OPLAN)	—	—
a. Personnel.		
b. Equipment.		
c. Logistics.		
2. Selected potential sites by using map reconnaissance.	—	—
a. Identified potential sites.		
b. Identified routes to potential sites.		
c. Listed best possible candidate sites/routes.		
3. Evaluated site and route suitability by using physical reconnaissance.	—	—
a. Accessibility.		
b. Terrain.		
c. Camouflage/concealment.		
d. Technical suitability.		

NOTE: Drive or ride to selected site.

Performance Measures

GO **NO GO**

- 4. Staked or marked locations for equipment that pertained to the unit.
 - a. Tents.
 - b. Vehicles.
 - c. Generators.
 - d. Fuel point.
 - e. Fire points.
 - f. Other points.

_____ _____

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

References

Required
FM 4-30.3
SOP

Related
STP 21-1-SMCT
STP 21-24-SMCT

**Coordinate Activities Between Production Control and Supply Support Activity
093-SFC-4111**

Conditions: Given AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, and FM 4-30.3. This task can be performed in a field or garrison environment.

Standards: Accounted for repair parts in accordance with AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, and FM 4-30.3.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reconciled the movement of parts between production control and supply support activity. (AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, and FM 4-30.3)	—	—
2. Reconciled the movement of repairable exchange (RX) items between production control and RX.	—	—
3. Reconciled reports from production control and shop supply.	—	—

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

References

Required

- AR 710-2
- DA PAM 710-2-1
- DA PAM 710-2-2
- FM 4-30.3

Related

Manage Shop Supply Operations
093-SFC-4112

Conditions: Given AR 710-2, DA Pam 710-2-1, DA Pam 710-2-2, FM 4-30.3, and DA Form 4569 or equivalent (DA Form 2064, DA Form 3318). This task can be performed in a field or garrison environment.

Standards: Maintained shop supply in accordance with AR 710-2 and DA Pam 710-2-2.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Monitored shop stock operations. (AR 710-2, DA Pam 710-2-1, FM 4-30.3)	—	—
2. Checked the shop stock for the following:	—	—
a. List of items stocked.		
b. Reorder point (ROP).		
c. Location.		
3. Checked the demand supported shop stock records for the number of records within the control period and other considerations.	—	—
4. Ensured that the demands on the DA Form 3318 and those listed on the DA Form 2064 match.	—	—
5. Compared the physical location with the location listed on the DA Form 3318.	—	—

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

References

Required

AR 710-2
DA FORM 2064
DA FORM 3318
DA FORM 4569
DA PAM 710-2-1
DA PAM 710-2-2
FM 4-30.3

Related

DA PAM 738-750

**Provide Liaison to Supported Units
093-SFC-4113**

Conditions: Given AR 750-1, DA Pam 738-750, FM 4-30.3, and direct support (DS) maintenance SOP. This task can be performed in a field or garrison environment.

Standards: Provided liaison support in accordance with FM 4-30.3 and SOP.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Issued external SOP to supported unit. (FM 4-30.3, SOP, AR 750-1, DA Pam 738-750, SOP)	—	—
2. Coordinated on-site maintenance training.	—	—
3. Identified and coordinated required support maintenance.	—	—
a. Scheduled		
b. Unscheduled		
c. Special (Command Inspection Program (CIP), gunnery, training centers, etc.)		
4. Provided supported unit updated status of open work requests.	—	—

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

References

- Required**
- AR 750-1
- DA PAM 738-750
- FM 4-30.3
- SOP

Related

**Manage Operational Readiness Float (ORF) Transactions
093-SFC-4114**

Conditions: Given AR 710-2, AR 750-1, DA Pam 710-2-2, local SOP, maintenance records, operational readiness float (ORF) equipment, and applicable technical manuals. This task can be performed in a field or garrison environment.

Standards: Maintained and issued ORF equipment in accordance with required references.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Maintained ORF equipment. (AR 750-1, AR 710-2)	—	—
a. Ensured that ORF assets were maintained at 10/20 maintenance standard.		
b. Directed the repair of unserviceable ORF assets.		
c. Used highest appropriate priority designator for items being repaired for return to ORF stock.		
d. Ensured that appropriate service and maintenance forms were completed.		
2. Coordinated transactions of ORF equipment. (AR 710-2, DA Pam 710-2-2, SOP)	—	—
a. Accounted for ORF assets per AR 710-2 and DA Pam 710-2-2.		
b. Issued assets when priority designator and estimated repair time met established criteria.		
c. Ensured ORF items were exchanged on a one-for-one basis.		
d. Coordinated with supported unit, as required.		
e. Ensured that all supply and maintenance forms were completed.		

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

References

Required

AR 710-2
AR 750-1
DA PAM 710-2-2
SOP

Related

AR 710-1
DA FORM 2404
DA FORM 2407
DA PAM 710-2-1
DA PAM 738-750
DA PAM 750-1
FM 4-30.3

APPENDIX A - HANDS-ON EVALUATION (DA FORM 5164-R) INSTRUCTIONS**HANDS-ON EVALUATION (DA FORM 5164-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)**

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

Before evaluation:

1. Obtain a blank copy of DA Form 5164-R, which you may locally reproduce on 8 ½" x 11" paper.
2. Enter the task title and 10-digit number from the STP task summary.
3. In Column a, enter the performance measure numbers from the task summary.
4. In Column b, enter the performance measure corresponding to the number in Column a (you may abbreviate this information if necessary).
5. Locally reproduce the partially completed form when evaluating more than one soldier on the task or when evaluating the same soldier more than once.

During evaluation:

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

APPENDIX A
Sample DA Form 5164-R (Hands-On Evaluation)

HANDS-ON EVALUATION For use of this form, see AR 350-57; the proponent agency is ODCSOPS		DATE	
TASK TITLE		TASK NUMBER	
ITEM a	PERFORMANCE STEP TITLE b	SCORE (Check One)	
		PASS c	FAIL d
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> F	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
EVALUATOR'S NAME		UNIT	
SOLDIER'S NAME		STATUS <input type="checkbox"/> GO <input type="checkbox"/> NO GO	

APPENDIX B - FIELD EXPEDIENT SQUAD BOOK (DA 5165-R) INSTRUCTIONS**FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)**

DA Form 5165-R (Field Expedient Squad Book) allows the trainer to keep a record of task proficiency for a group of soldiers.

Before evaluation:

1. Obtain a blank copy of DA Form 5165-R, which you may locally reproduce on 8 ½" x 11" paper.
2. Locally reproduce the partially completed form if you are evaluating more than nine soldiers.

During evaluation:

1. Enter the names of the soldiers you are evaluating, one name per column, at the top of the form.
2. Under STATUS, record (in pencil) the date in the GO block if the soldier demonstrated task proficiency to soldier's manual standards. Keep this information current by always recording the most recent date on which the soldier demonstrated task proficiency. Record the date in the NO-GO block if the soldier failed to demonstrate task proficiency to soldier's manual standards. Soldiers who failed to perform the task should be retrained and reevaluated until they can meet the standards. When the standards are met, enter the date in the appropriate GO block and erase the previous entry from the NO-GO block.

After evaluation:

1. Read down each column (GO/NO-GO) to determine the training status of an individual. This will give you a quick indication of which tasks a soldier 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

AC	Active Component
ACCP	Army Correspondence Course Program
AIPD	Army Institute for Professional Development
AIT	advanced individual training
AMG	antenna mast group
AN	annually
AR	Army regulation
ARTEP	Army Training and Evaluation Program
BA	biannually
BCT	basic combat training
BW	biweekly
CBU (1)	calibrate before use
CCI	controlled cryptographic item
CIP	command inspection program
CNR	calibration not required
COMSEC	communications security
CRG	communications relay group
CUG	control unit group
DA	Department of the Army
DA	Department of the Army
DA Form	Department of the Army form
DA Label	Department of the Army label
DA Pam	Department of the Army pamphlet
DA Pam	Department of the Army pamphlet
DACU	digital azimuth control unit

DD Form	Department of Defense form
DLT	data link terminal
DSP	data signal processor
ECS	engagement control station
ECU (1)	environmental control unit
EIR	equipment improvement recommendation
ELSEC	electronic security
FEDLOG	Federal Logistics
FM	frequency modulation
FM (1)	field manual
FM (1)	field manual
HQ TRADOC	Headquarters, Training and Doctrine Command
HR (1)	hand receipt
IAW	in accordance with
ICC	information coordination central
IFF	Identification Friend or Foe
IMPL	initial mandatory parts list
INFOSEC	Information System Security
LEM	launcher electronics module
LS	launching station
LSTS	launching station test set
MCP	maintenance collection point
MCSR	materiel condition status report
METL	mission essential task list
MEVA	mission essential or vulnerable area
MICG	MICOM Continuation Group
MOS	military occupational specialty
MST	maintenance support team

MWO	modification work order
NBC	nuclear, biological, and chemical
NCO	noncommissioned officer
NMC	nonmission capable
NMP	national maintenance point
NSN	national stock number
OPLAN	operations plan
OPORD	operations order
OPSEC	operations security
OPTEMPO	operational tempo
ORF	operational readiness float
PALS	PATRIOT Automated Logistics System
PATRIOT	Phased Array Tracking Radar Intercept on Target
PLL	prescribed load list
QDR	Quality Deficiency Report
QT	quarterly
RDL	Reimer Digital Library
RF	radio frequency
RO/ROP	reorder/reorder point
ROP	reorder point
RRG	radar receiver group
RS	radar set
RS	radar set
RX	reparable exchange
SAMS	Standard Army Maintenance System
SAMS-1	Standard Army Maintenance System-Level 1
SAMS-2	Standard Army Maintenance System-Level 2
SC	supply catalog

SF	standard form
SIGSEC	signal security
SL	skill level
SLAC (1)	Support List Allowance Card
SM	soldier's manual
SM/TG	soldier's manual/trainer's guide
SOP	standing operating procedure(s)
SPG	signal processor group
SSA	supply support activity
STP	soldier training publication
SUST TNG FREQ	sustainment training frequency
SUST TNG SL	Sustainment training skill level
TB	technical bulletin
TB MED	technical bulletin (medical)
TC (1)	training circular
TM	technical manual
TMDE	test, measurement, and diagnostic equipment
TVM-CP	track-via-missile correlation processor
UMCP	unit maintenance collection point
UND	urgency of need designator
WK	weekly

Section II

Terms

ANCOC (Advanced Noncommissioned Officers' Course)

Training designed for soldiers in grade E6 to teach them the duties of grade E7 and to prepare them for assuming the greater responsibility.

basic noncommissioned officer course

Training designed for soldiers in grade E5 to learn the duties of grade E6. Soldiers receive specialized training in their MOS and in related subjects that prepare them to perform duties in a supervisory capacity.

battle focus

A process to guide the planning, execution, and assessment of the organization's training program to ensure they train as they are going to fight.

critical task

A collective or individual task determined to be essential to wartime mission, duty accomplishment, or survivability. Critical individual tasks are trained in the training base and/or unit, and they are reinforced in the unit.

Critical individual task

See "Task" and "Individual task."

Cross-training.

The opportunity for an individual to train for additional jobs within his or her MOS.

Mobilization

The process by which the Armed Forces are brought to a state of readiness for war or other national emergency. This includes activating all or part of the Reserve Components, and assembling and organizing personnel, supplies, and material.

MOS (military occupational specialty)

A term used to identify the skills of a group of related jobs and duty positions.

performance measure

Action or resulting product that determines if the soldier has performed a task correctly.

SAMS1 (1)

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

Soldier training publication (STP)

Publications that contain critical tasks and other training information used to train soldiers and serve to standardize individual training for the whole Army; provide information and guidance in conducting individual training in the unit; and aid the soldier, officer, noncommissioned officer (NCO), and commander in training critical tasks. They consist of Soldier's Manuals, Trainer's Guides, Military Qualification Standards Manuals, and Officer Foundations Standards System manuals.

Soldier's manual(SM)

A publication listing the critical tasks for each skill level of an MOS. It provides the performance steps (measures), the condition under which the task is performed, the standards that must be met, and an instrument for evaluating task performance. All tasks tested in the skill qualification test are in the soldier's manual.

Task

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

Task - Critical task

A collective or individual task a unit or individual must perform to accomplish their mission and duties and to survive in war or operations other than war (OOTW). Critical tasks must be trained.

REFERENCES

Required Publications

Required publications are sources that users must read in order to understand or to comply with this publication.

Army Regulations

AR 190-13	The Army Physical Security Program 30 September 1993
AR 190-51	Security of Unclassified Army Property (Sensitive and Nonsensitive) 30 September 1993
AR 220-1	Unit Status Reporting 30 November 2001
AR 25-400-2	The Army Records Information Management System (ARIMS) 18 March 2003
AR 380-19	Information Systems Security 27 February 1998
AR 380-40	(O) Policy for Safeguarding and Controlling Communications Security (COMSEC) Material (U) 30 June 2000
AR 380-5	Department of the Army Information Security Program 29 September 2000
AR 385-10	The Army Safety Program 23 May 1988
AR 40-5	Preventive Medicine 15 October 1990
AR 530-1	Operations Security (OPSEC) 3 March 1995
AR 600-8-10	Leaves and Passes 1 July 1994
AR 600-8-19	Enlisted Promotions and Reductions 15 April 2003
AR 600-8-22	Military Awards 25 February 1995
AR 623-205	Noncommissioned Officer Evaluation Reporting System 15 May 2002
AR 635-200	Enlisted Personnel 1 November 2000
AR 672-20	Incentive Awards 1 June 1993
AR 700-138	Army Logistics Readiness and Sustainability 16 September 1997
AR 710-2	Inventory Management Supply Policy Below the Wholesale Level 31 October 1997
AR 725-50	Requisition, Receipt, and Issue System 15 November 1995
AR 735-5	Policies and Procedures for Property Accountability 10 June 2002
AR 750-1	Army Materiel Maintenance Policy and Retail Maintenance Operations 1 August 1994

Department of Army Forms

DA FORM 2062	Hand Receipt/Annex Number 1 January 1982
DA FORM 2063-R	Prescribed Load List 1 January 1982
DA FORM 2064	Document Register for Supply Actions 1 January 1982
DA FORM 2402	Exchange Tag 1 December 1985
DA FORM 2404	Equipment Inspection and Maintenance Worksheet 1 April 1979
DA FORM 2405	Maintenance Request Register 1 April 1962
DA FORM 2406	Materiel Condition Status Report 1 April 1993
DA FORM 2407	Maintenance Request 1 July 1994
DA FORM 2407-1	Maintenance Request - Continuation Sheet 1 July 1994
DA FORM 2408-12	Army Aviator's Flight Record 1 January 1992
DA FORM 2408-13	Aircraft Status Information Record 1 October 1991
DA FORM 2408-13-1	Aircraft Maintenance and Inspection Record 1 October 1997

DA FORM 2408-14	Uncorrected Fault Record 1 June 1994
DA FORM 2410	Component Removal and Repair/Overhaul Record 1 October 1997
DA FORM 3266-1	Army Missile Materiel Readiness Report 1 April 1993
DA FORM 3266-2-R	Army Missile Materiel Readiness Report 1 April 1993
DA FORM 3318	Records of Demands-Title Insert 1 January 1982
DA FORM 3758-R	Calibration and Repair Requirements Worksheet (LRA) 1 December 1996
DA FORM 4569	Requisition Code Sheet 1 July 1996
DA FORM 5988-E	Equipment Inspection Maintenance Worksheet (EGA) 1 March 1991
DA FORM 5990-E	Maintenance Request (EGA) 1 March 1991

Department of Army Pamphlets

DA PAM 190-51	Risk Analysis for Army Property 30 September 1993
DA PAM 25-30	Consolidated Index of Army Publications and Blank Forms 1 January 2003
DA PAM 25-380-2	(O) Security Procedures for Controlled Cryptographic Items 10 January 1991
DA PAM 385-1	Small Unit Safety Officer/NCO Guide 29 November 2001
DA PAM 40-501	Hearing Conservation Program 10 December 1998
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 101-5	Staff Organization and Operations 31 May 1997
FM 22-100	Army Leadership 31 August 1999
FM 24-16	Communications-Electronics Operations, Orders, Records, and Reports 7 April 1978
FM 3-19.30	Physical Security 8 January 2001
FM 4-30.3	Maintenance Operations and Procedures 1 September 2000
FM 9-43-2	Recovery and Battlefield Damage Assessment and Repair FMFRP 4-34; TO 36-1-180 3 October 1995

Other Product Types

AISM 25-L21-AHN-ZZZ-EM	Standard Army Maintenance System Level 1(SAMS-1) End User Manual 1 June 1997
AISM 25-L26-AHO-ZZZ-EM	Standard Army Maintenance System Level 2 (SAMS-2) 1 June 1997
DA LABEL 80	U.S. Army Calibrated Instrument 1 December 1977
DD FORM 1574	Serviceable Tag - Materiel 1 October 1966
DD FORM 1574-1	Serviceable Label - Materiel 1 October 1966
DD FORM 1575	Suspended Tag - Materiel 1 October 1966
DD FORM 1575-1	Suspended Label - Materiel 1 October 1966
DD FORM 1576	Test/Modification Tag - Materiel 1 October 1966

DD FORM 1576-1	Test/Modification Label - Materiel 1 October 1966
DD FORM 1577	Unserviceable (Condemned) Tag - Materiel 1 October 1966
DD FORM 1577-1	Unserviceable (Condemned) Label - Materiel 1 October 1966
DD FORM 1577-2	Unserviceable (Repairable) Tag - Materiel 1 October 1966
DD FORM 1577-3	Unserviceable (Repairable) Label - Materiel 1 October 1966
DD FORM 173/1	Joint Message Form 1 March 1979
DD FORM 2332	Product Quality Deficiency Report Exhibit 1 January 1999
DD FORM 314	Preventive Maintenance Schedule and Record 1 December 1953
FEDLOG	S&I Cdr, USAMC Logistics Support (Issued Monthly) 1 October 2002
SF 368	Product Quality Deficiency Report 1 October 1985
SOP	SOP

Technical Bulletins

TB 380-41	(O) Security Procedures for Safeguarding, Accounting, and Supply Control of COMSEC Material 3 July 2003
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 43-0001-SERIES	Equipment Improvement Report and Maintenance Digest for Tank, Automotive, Armament and Chemical Equipment 1 October 2000
TB 43-180	Calibration and Repair Requirements for the Maintenance of Army Materiel 15 September 2002
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 11-5895-824-12	Operator's And Organizational Maintenance Manual For Interrogator Set, AN/TPX-46A(V)7 (NSN 5895-01-168-7286). 01 December 1996.
TM 11-5895-824-40-1	General Support Maintenance Manual for Interrogator Set, AN/TPX-46(V)7 (NSN 5895-00-115-1490) and AN/TPX-46A(V)7 (5895-01-168-7286) 30 Nov 92
TM 11-5895-824-40-2	Intermediate General Support Maintenance Manual For Interrogator Sets, AN/TPX-46(V)7 (NSN 5895-00-115-1490) and AN/TPX-46A(V)7 (NSN 5895-01-168-7286) 31 December 1982
TM 11-5895-824-40-3	General Support Maintenance Manual for Interrogator Sets, AN/TPX-46(V)7 (NSN 5895-00-115-1490) and AN/TPX-46A(V)7 (5895-01-168-7286) 25 February 1983
TM 11-5895-824-40-4	General Support Maintenance Manual for Interrogator Set, AN/TPX-46(V)7 (NSN 5895-00-115-1490) (U) 3 January 1983
TM 11-5895-824-40P	General Support Maintenance Repair Parts and Special Tools Lists (Including Depot Maintenance Repair Parts and Special Tools) for Interrogator Set, AN/TPX-46(V)7 (NSN 5895-00-115-1490) (U) 1 January 1989
TM 11-6020-200-10	Operator's Manual for Fiber Optic Cable Assemblies CX-13295/G (300M) (NSN 6020-01-220-5435) (EIC: N/A) TM 09008A/09009A-10/1 15 March 1993
TM 11-6625-3253-40&P	Intermediate General Support Maintenance Manual (Including Repair Parts and Special Tools List) for Fiber Optic Cable Test Set TS-4336/G (NSN 6625-01-316-2752) (EIC: N/A) 1 August 1997

TM 11-6625-601-34 Direct Support and General Support Maintenance Manual: Maintenance Kit, Electronic Equipment MK-733/ARC-54. 31 August 1973.

TM 38-L09-11 Functional Users Manual for Maintenance Reporting and Management (MRM)(S&I CDR, USALOGC, ATTN: ATCL-SP, FT LEE, VA 23801-6000) 4 February 1985

TM 43-6625-912-12 Operator's and Unit Maintenance Manual for Test Set, Radar AN/UPM-155 (NSN 6625-01-307-0512) (EIC: N/A) 23 August 2000

TM 9-1425-1600-34 Intermediate Maintenance Manual: General Maintenance (PATROIT Air Defense Guided Missile System) 29 December 2000

TM 9-1425-1600-34-5 Intermediate Maintenance Manual for Weapon Control Computer for Engagement Control Station, Truck Mounted: AN/MSQ-132 and Coordination Central Truck Mounted: AN/MSQ-133 (PATROIT Air Defense Guided Missile System) 31 August 2000

TM 9-1425-1600-34-7 Intermediate Maintenance Manual for Data Link Terminal for Engagement Control Station Guided Missile Truck Mounted: AN/MSQ-132 Communications Relay Group Guided Missile Truck Mounted: AN/MRC-147, and Launching Station M902 Guided Missile 31 July 2000

TM 9-1425-1600-34-8 Intermediate Maintenance Manual for Communications Digital Data Processor for Truck Mounted Guided Missile System, Information and Coordination Central AN/MSQ-133 and Engagement Control Station AN/MSQ-132 and Communications Relay Group 31 July 2000

TM 9-1425-1600-34-9 Intermediate Maintenance Manual for UHF, VHF Communications and Modems for Truck Mounted Guided Missile System Engagement Control Station AN/MSQ-132 and Truck Mounted Guided Missile System Information and Coordination Central AN/MSQ-133 31 August 2000

TM 9-1425-1602-34-1 Intermediate Maintenance Manual for Software User's Guide, VOL 1 (PATROIT Air Defense Guided Missile System) 1 August 2002

TM 9-1425-1602-34-2 Intermediate Maintenance Manual for Software User's Guide, VOL 2 (PATROIT Air Defense Guided Missile System) 1 August 2002

TM 9-1425-600-34 Intermediate Maintenance Manual for General Maintenance (PATRIOT Air Defense Guided Missile System) 30 September 1993

TM 9-1425-600-34-4 Intermediate Maintenance Manual Engagement Control Station, Guided Missile, Truck Mounted AN/MSQ-104 and Information and Coordination Central, Guided Missile System Truck Mounted: AN/MSQ-106, and Display and Control Group 25 August 1994

TM 9-1425-600-34-5 Intermediate Maintenance Manual, Weapon Control Computer for Engagement Control Station, Truck Mounted: AN/MSQ-104 and Information and Coordination Central, Truck Mounted: AN/MSQ-116 (PATRIOT Air Defense Guided Missile System) 13 June 1995

TM 9-1425-600-34-6 Intermediate Maintenance Manual for Radar/Weapon Control Interface Unit for Engagement Control Station, Truck Mounted Guided Missile System, AN/MSQ-104 and Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) 30 November 1993

TM 9-1425-600-34-7 Intermediate Maintenance Manual for Data Link Terminal for Engagement Control Station Guided Missile, Truck Mounted: AN/MSQ-104 and Launching Station M901 Guided Missile Semitrailer Mounted (PATRIOT Air Defense Guided Missile System) 31 August 1993

TM 9-1425-600-34-8 Intermediate Maintenance Manual Communications Digital Data Processor for Truck Mounted Guided Missile System Information and Coordination Central AN/MSQ-116 and Engagement Control Station AN/MSQ-104 and Communications Relay Group AN/MRC-13 10 August 2001

**STP 9-27X14-SM-TG
28 NOVEMBER 2003**

TM 9-1425-600-34-9 Intermediate Maintenance Manual for UHF, VHF Communications and Modems for Truck Mounted Guided Missile System Engagement Control Station AN/MSQ-104 and Truck Mounted Guided Missile System Information and Coordination Central AN/MSQ-116 30 November 1993

TM 9-1425-602-34-1 Intermediate Maintenance Manual for Software User Guide PATRIOT Air Defense Guided Missile System (This Item is Included on EM 0147) 30 August 1996

TM 9-1425-602-34-2 Intermediate Maintenance Manual for Software User Guide, Volume 2, (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-3) (This Item is Included on EM 0147) 30 September 1993

TM 9-1430-1600-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Engagement Control Station Guided Missile System Truck Mounted AN/MSQ-132 (NSN 1430-01-448-9833 31 August 2000

TM 9-1430-1600-34 Intermediate Maintenance Manual for Engagement Control Station, Guided Missile System, Truck Mounted: AN/MSQ-132 (PATRIOT Air Defense Guided Missile System) 31 July 2000

TM 9-1430-1601-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Radar Set, Semitrailer Mounted AN/MPQ-65 (NSN 1430-01-418-4396) (EIC: ICC) (PATRIOT Air Defense 1 August 2002

TM 9-1430-1601-34 Intermediate Maintenance Manual for Radar Set Semitrailer Mounted: AN/MPQ-65 (PATRIOT Air Defense Guided Missile System) 31 August 2000

TM 9-1430-1601-34-12 Intermediate Maintenance Manual for Radar Receiver Group Comparator Front End for Radar Set Semitrailer Mounted: AN/MPQ-65 (PATRIOT Air Defense Guided Missile System) 31 July 2000

TM 9-1430-1601-34-18 Intermediate Maintenance Manual for Radar Receiver Group, Track-Via-Missile, Correlation Processor for Radar Set Semitrailer Mounted: AN/MPQ-65 (PATRIOT Air Defense Guided Missile System) 1 August 2000

TM 9-1430-1601-34-20 Intermediate Maintenance Manual for Signal Processor Group Input/Output Control for Radar Set Semitrailer Mounted: AN/MPQ-65 (PATRIOT Air Defense Guided Missile System) 31 July 2000

TM 9-1430-1601-34-25 Intermediate Maintenance Manual for Signal Processor Group Pulse Doppler Processor (DSP4) for Semitrailer Mounted Radar Set AN/MPQ-65 (PATRIOT Air Defense Guided Missile System) 5 July 2000

TM 9-1430-1601-34-26 Intermediate Maintenance Manual for Signal Processor Group, High Range Resolution Processor, Digital Signal Processor 5 for Semitrailer Mounted Radar Set AN/MPQ-65(PATRIOT Air Defense Guided Missile System) 31 July 2000

TM 9-1430-1601-34-27 Radar Receiver Group Waveform Generator/Receiver for Radar Set Semitrailer Mounted Radar Set AN/MPQ-65 (PATRIOT Air Defense Guided Missile System) 29 December 2000

TM 9-1430-1601-34-3 Intermediate Maintenance Manual for Control Unit Group Input/Output Controller for Semitrailer Mounted Radar Set AN/MPQ-65 (PATRIOT Air Defense Guided Missile System) 31 May 2000

TM 9-1430-1601-34-4 Intermediate Maintenance Manual for Control Unit Group Trigger Generator and Radar Transmitter Group Interface Units for Radar Set Semitrailer Mounted: AN/MPQ-65 (PATRIOT Air Defense Guided Missile System) 31 July 2000

TM 9-1430-1601-34-5 Intermediate Maintenance Manual for Control Unit Beam Steering Processor and Radar Antenna System Group for Radar Set Semitrailer

	Mounted: AN/MPQ-65 (PATROIT Air Defense Guided Missile System) 31 August 2000
TM 9-1430-1601-34-6	Intermediate Maintenance Manual for Radar Transmitter Group Exciter for Radar Set Semitrailer Mounted: AN/MPQ-65 (PATROIT Air Defense Guided Missile System) 29 December 2000
TM 9-1430-1601-34-7	Intermediate Maintenance Manual for Radar Transmitter Group Driver and Final Amplifier for Semitrailer Mounted Radar Set AN/MPQ-65 (PATROIT Air Defense Guided Missile System) 30 June 2000
TM 9-1430-1601-34-8	Radar Receiver Group, Input/Output Control Unit for Semitrailer Mounted Radar Set AN/MPQ-65 (PATROIT Air Defense Guided Missile System) 31 August 2000
TM 9-1430-1601-34-9	Intermediate Maintenance Manual for Radar Receiver Group Waveform Generator for Radar Set Semitrailer Mounted: AN/MPQ-65 (PATROIT Air Defense Guided Missile System) 31 July 2000
TM 9-1430-1602-24P	Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Information and Coordination Central Guided Missile System Truck Mounted AN/MSQ-133 1 August 2002
TM 9-1430-1602-34	Intermediate Maintenance Manual for Information and Coordination Central Guided Missile System, Truck Mounted: AN/MSQ-133 (PATROIT Air Defense Guided Missile System) 31 July 2000
TM 9-1430-1604-24P	Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Communication Relay Group Guided Missile System Truck Mounted AN/MRC-147 (NSN 1430-01-448-9835) 1 August 2002
TM 9-1430-1604-34	Intermediate Maintenance Manual for Communications Relay Group Guided Missile System, Truck Mounted: AN/MRC-147 (PATROIT Air Defense Guided Missile System) 30 July 2000
TM 9-1430-600-24P	Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Engagement Control Station Guided Missile System Truck Mounted AN/MSQ-104 (NSN1430-01-087-6338) 31 August 2000
TM 9-1430-600-34	Intermediate Maintenance Manual for Engagement Control Station Guide Missile System Truck Mounted: AN/MSQ-104 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-6) 28 February 1994
TM 9-1430-601-20-3	Organizational Maintenance Manual for Radar Set Semitrailer Mounted: AN/MPQ-53 Volume 3 (PATRIOT Air Defense Guided Missile System) 10 August 2001
TM 9-1430-601-24P	Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Radar Set, Semitrailer Mounted AN/MPQ-53 (1430-01-087-6330) (PATRIOT Air Defense Guided Missile 1 August 2002
TM 9-1430-601-34	Intermediate Maintenance Manual for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-4) 30 September 1993
TM 9-1430-601-34-10	Intermediate Maintenance Manual for Radar Receiver Group Pulse Expansion for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993
TM 9-1430-601-34-11	Intermediate Maintenance Manual for Radar Receiver Group Lens Front End for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) 31 August 1993

TM 9-1430-601-34-12 Intermediate Maintenance Manual for Radar Receiver Group Comparator Front End for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993

TM 9-1430-601-34-13 Intermediate Maintenance Manual for Radar Receiver Group Search/Track IF Processor for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C-1) 30 September 1993

TM 9-1430-601-34-14 Intermediate Maintenance Manual for Radar Receiver Group Sidelobe Canceller for Semitrailer Mounted Radar Set: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 30 August 1993

TM 9-1430-601-34-15 Intermediate Maintenance Manual for Radar Receiver Group, Electronic Counter-Counter Measures Processor for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 30 September 1999

TM 9-1430-601-34-16 Intermediate Maintenance Manual for Radar Receiver Group Track-Via-Missile Digital Processor for Radar Set, Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 January 1994

TM 9-1430-601-34-17 Intermediate Maintenance Manual for Radar Receiver Group Track-Via-Missile Analog Processor for Semitrailer Mounted Radar Set: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-3) 31 August 1993

TM 9-1430-601-34-18 Intermediate Maintenance Manual for Radar Receiver Group Track-Via-Missile Correlation Processor for Radar Set, Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993

TM 9-1430-601-34-20 Intermediate Maintenance Manual for Signal Processor Group Input/Output Control for Radar Set, Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993

TM 9-1430-601-34-22 Intermediate Maintenance Manual Signal Processor Group Digital Signal Processor 2 for Semitrailer Mounted Radar Set AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993

TM 9-1430-601-34-23 Intermediate Maintenance Manual for Signal Processor Group, Digital Signal Processor 3 for Semitrailer Mounted Radar Set AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993

TM 9-1430-601-34-24 Intermediate Maintenance Manual IFF System for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) 31 January 1994

TM 9-1430-601-34-25 Intermediate Maintenance Manual Signal Processor Group Pulse Doppler Processor (DSP4) for Semitrailer Mounted Radar Set: AN/MPQ-53, (PATRIOT Air Defense Guided Missile System) 13 June 1995

TM 9-1430-601-34-3 Intermediate Maintenance Manual for Control Unit Group Input/Output Controller for Semitrailer Mounted Radar Set: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1) 31 August 1993

TM 9-1430-601-34-4 Intermediate Maintenance Manual Control Unit Group Trigger Generator and Radar Transmitter Group Interface Units for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993

- TM 9-1430-601-34-5 Intermediate Maintenance Manual for Semitrailer Mounted Radar Set AN/MPQ-53 Control Unit Group Beam Steering Processor and Radar Antenna System Group (PATRIOT Air Defense Guided Missile System) 31 August 1993
- TM 9-1430-601-34-6 Intermediate Maintenance Manual for Radar Transmitter Group Exciter for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 30 July 1993
- TM 9-1430-601-34-7 Intermediate Maintenance Manual for Radar Transmitter Group Driver and Final Amplifier for Semitrailer Mounted Radar Set: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993
- TM 9-1430-601-34-8 Intermediate Maintenance Manual Radar Receiver Group Input/Output Control Unit for Semitrailer Mounted Radar Set: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) 31 August 1993
- TM 9-1430-601-34-9 Intermediate Maintenance Manual for Radar Receiver Group Waveform Generator for Radar Set, Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993
- TM 9-1430-602-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Information and Coordination Central Guided Missile System, Truck Mounted AN/MSQ-116 31 August 2000
- TM 9-1430-602-34 Intermediate Maintenance Manual for Information and Coordination Central Guided Missile System Truck Mounted; AN/MSQ-116 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-4) 31 January 1994
- TM 9-1430-603-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Antenna Mast Group, Communications, Guided Missile System, Truck Mounted OE-349/MRC 10 August 2001
- TM 9-1430-603-34 Intermediate Maintenance Manual for Antenna Mast Group, Communication, Truck Mounted: OE-349/MRC (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 29 October 1993
- TM 9-1430-604-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Communications Relay Group Guided Missile System, Truck Mounted AN/MRC-137 (1430-01-131-5427) 31 August 2000
- TM 9-1430-604-34 Intermediate Maintenance Manual for Communications Relay Group Guided Missile System Truck Mounted: AN/MRC-137 (PATRIOT Air Defense Guided Missile System) 31 January 1994
- TM 9-1440-600-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Launching Station Guided Missile System Semitrailer Mounted M901, (NSN 1440-01-087-9844) 31 August 2000
- TM 9-1440-600-34 Intermediate Maintenance Manual for Launching Station M901 Guided Missile Semitrailer Mounted (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1) 30 November 1993
- TM 9-4935-600-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Shop Equipment, Guided Missile System, Semitrailer Mounted AN/TSM-164 (NSN 4935-01-136-0233) (P

TM 9-4935-601-14 Operator's, Organizational, and Intermediate Maintenance Manual, Intermediate Support Element Shelter: AN/TCM-1, (PATRIOT Air Defense Guided Missile System). June 1995.

TM 9-4935-603-34 Intermediate Maintenance Manual for Test Set, Guided Missile Launching Station: AN/TSM-165 (PATRIOT Air Defense Guided Missile System) 28 February 1994

Training Circulars

TC 43-4 Commander's and Shop Officer's Guide for Support Maintenance Management 8 May 1996

Related Publications

Related publications are sources of additional information. They are not required in order to understand this publication.

Army Regulations

AR 200-1 Environmental Protection and Enhancement 21 February 1997

AR 220-45 Duty Rosters 15 November 1975

AR 25-50 Preparing and Managing Correspondence 3 June 2002

AR 380-15 (C) Safeguarding Classified NATO Information(U) 1 March 1984

AR 380-19 Information Systems Security 27 February 1998

AR 380-40 (O) Policy for Safeguarding and Controlling Communications Security (COMSEC) Material (U) 30 June 2000

AR 385-40 Accident Reporting and Records 1 November 1994

AR 5-12 Army Management of the Electromagnetic Spectrum 1 October 1997

AR 702-7 Product Quality Deficiency Report Program [DLAR 4155.24; Secnavinst 4855.5A; AFR 74.6] 20 July 1993

AR 702-7-1 Reporting of Product Quality Deficiencies Within the US Army 2 July 2001

AR 710-1 Centralized Inventory Management of the Army Supply System 15 November 2002

AR 710-2 Inventory Management Supply Policy Below the Wholesale Level 31 October 1997

AR 750-1 Army Materiel Maintenance Policy and Retail Maintenance Operations 1 August 1994

Department of Army Forms

DA FORM 2404 Equipment Inspection and Maintenance Worksheet 1 April 1979

DA FORM 2407 Maintenance Request 1 July 1994

DA FORM 2407-1 Maintenance Request - Continuation Sheet 1 July 1994

DA FORM 2765-1 Request for Issue or Turn-in 1 April 1976

DA FORM 3161 Request for Issue or Turn-In 1 December 2000

DA FORM 5986-E Preventive Maintenance Schedule and Record (EGA) 1 March 1991

DA FORM 5990-E Maintenance Request (EGA) 1 March 1991

DA FORM 638 Recommendation for Award 1 November 1994

Department of Army Pamphlets

DA PAM 190-51 Risk Analysis for Army Property 30 September 1993
DA PAM 200-1 Handbook for Environmental Impact Analysis (GPO SN: 0820-00551-7)
17 January 2002
DA PAM 25-1-1 Installation Information Services 27 August 1991
DA PAM 25-380-2 (O) Security Procedures for Controlled Cryptographic Items 10 January
1991
DA PAM 710-2-1 Using Unit Supply System (Manual Procedures) (Standalone Pub) 31
December 1997
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
DA PAM 750-1 Leader's Unit Level Maintenance Handbook 15 February 1994

Field Manuals

FM 100-10 Combat Service Support 3 October 1995
FM 24-33 Communications Techniques: Electronic Counter-Countermeasures 17
July 1990
FM 3-04.500 Army Aviation Maintenance 26 September 2000
FM 3-25.26 Map Reading and Land Navigation 20 July 2001
FM 34-60 Counterintelligence 3 October 1995
FM 4-30.3 Maintenance Operations and Procedures 1 September 2000

Other Product Types

AISM 25-L21-AHN-ZZZ-EM Standard Army Maintenance System Level 1(SAMS-1) End User Manual
1 June 1997
DD FORM 314 Preventive Maintenance Schedule and Record 1 December 1953
SF 700 Security Container Information 1 April 2001
SF 702 Security Container Check Sheet 1 August 1985

Soldier Training Publications

STP 21-1-SMCT Soldier's Manual of Common Tasks, Skill Level 1 1 October 1994
STP 21-24-SMCT Soldier's Manual of Common Tasks (SMCT), Skill Level 2-4 1 October
1992

Technical Bulletins

TB 380-41 (O) Security Procedures for Safeguarding, Accounting, and Supply
Control of COMSEC Material 3 July 2003
TB 385-4 Safety Requirements for Maintenance of Electrical and Electronic
Equipment 1 August 1992
TB 43-0129 Safety Requirements for Use of Antenna and Mast Equipment 15 June
1986

Technical Manuals

TM 38-L09-11 Functional Users Manual for Maintenance Reporting and Management
(MRM)(S&I CDR, USALOGC, ATTN: ATCL-SP, FT LEE, VA 23801-
6000) 4 February 1985
TM 750-245-4 Direct Support and General Support for Quality Control Inspector's
Inspection Criteria 25 January 1971

STP 9-27X14-SM-TG
28 NOVEMBER 2003

TM 9-1425-1602-34-1 Intermediate Maintenance Manual for Software User's Guide, VOL 1 (PATROIT Air Defense Guided Missile System) 1 August 2002

TM 9-1425-1602-34-2 Intermediate Maintenance Manual for Software User's Guide, VOL 2 (PATROIT Air Defense Guided Missile System) 1 August 2002

TM 9-1430-1600-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Engagement Control Station Guided Missile System Truck Mounted AN/MSQ-132 (NSN 1430-01-448-9833 31 August 2000

TM 9-1430-1600-34 Intermediate Maintenance Manual for Engagement Control Station, Guided Missile System, Truck Mounted: AN/MSQ-132 (PATROIT Air Defense Guided Missile System) 31 July 2000

TM 9-1430-1601-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Radar Set, Semitrailer Mounted AN/MPQ-65 (NSN 1430-01-418-4396) (EIC: ICC) (PATRIOT Air Defense 1 August 2002

TM 9-1430-1601-34 Intermediate Maintenance Manual for Radar Set Semitrailer Mounted: AN/MPQ-65 (PATROIT Air Defense Guided Missile System) 31 August 2000

TM 9-1430-1602-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Information and Coordination Central Guided Missile System Truck Mounted AN/MSQ-133 1 August 2002

TM 9-1430-1602-34 Intermediate Maintenance Manual for Information and Coordination Central Guided Missile System, Truck Mounted: AN/MSQ-133 (PATROIT Air Defense Guided Missile System) 31 July 2000

TM 9-1430-1604-24P Organizational and Intermediate Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Communication Relay Group Guided Missile System Truck Mounted AN/MRC-147 (NSN 1430-01-448-9835) 1 August 2002

TM 9-1430-601-34-13 Intermediate Maintenance Manual for Radar Receiver Group Search/Track IF Processor for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C-1) 30 September 1993

TM 9-1430-601-34-14 Intermediate Maintenance Manual for Radar Receiver Group Sidelobe Canceller for Semitrailer Mounted Radar Set: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 30 August 1993

TM 9-1430-601-34-15 Intermediate Maintenance Manual for Radar Receiver Group, Electronic Counter-Counter Measures Processor for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 30 September 1999

TM 9-1430-601-34-17 Intermediate Maintenance Manual for Radar Receiver Group Track-Via-Missile Analog Processor for Semitrailer Mounted Radar Set: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-3) 31 August 1993

TM 9-1430-601-34-18 Intermediate Maintenance Manual for Radar Receiver Group Track-Via-Missile Correlation Processor for Radar Set, Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993

TM 9-1430-601-34-6 Intermediate Maintenance Manual for Radar Transmitter Group Exciter for Radar Set Semitrailer Mounted: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 30 July 1993

STP 9-27X14-SM-TG

TM 9-1430-601-34-7

Intermediate Maintenance Manual for Radar Transmitter Group Driver and Final Amplifier for Semitrailer Mounted Radar Set: AN/MPQ-53 (PATRIOT Air Defense Guided Missile System) (Reprinted W/Basic Incl C1-2) 31 August 1993

Training Circulars

TC 3-34.489

The Soldier and The Environment 8 May 2001

TC 43-4

Commander's and Shop Officer's Guide for Support Maintenance Management 8 May 1996

By Order of the Secretary of the Army:

PETER J. SCHOOMAKER
General, United States Army
Chief of Staff

Official:



JOEL B. HUDSON
*Administrative Assistant to the
Secretary of the Army*
0330316

DISTRIBUTION:

Active Army, Army Reserve, and Army National Guard: To be distributed in accordance with the initial distribution number 115022, requirement for STP 9-27X14-SM-TG.

PIN: 081117-000