

**STP 9-35J13-SM-TG**

**SOLDIER'S MANUAL AND  
TRAINER'S GUIDE  
MOS 35J  
COMPUTER/AUTOMATION  
SYSTEMS REPAIRER  
SKILL LEVELS 1, 2, AND 3**

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DEPARTMENT OF THE ARMY**



# SOLDIER'S MANUAL and TRAINER'S GUIDE

## MOS 35J

### COMPUTER/AUTOMATION SYSTEMS REPAIRER SKILL LEVELS 1, 2, AND 3

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## PREFACE

This soldier training publication (STP) is intended for soldiers holding MOS 35J, Skill Levels 1, 2, and 3, their supervisors, trainers, and commanders. It contains an 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 35J 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 235, 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 35J. 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 35J 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://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**  
**Trainer's Guide**

<b>DUTY POSITIONS</b>	<b>SUBJECT AREAS</b>	<b>CROSS-TRAIN</b>	<b>TRAIN-UP/MERGER</b>
SL 1 Computer/Automation Systems Repairer	1-5	NA	35J20 Computer/Automation Systems Repairer
SL 2 Computer/Automation Systems Repairer	1-10	NA	35J30 Computer/Automation Systems Repairer Supervisor
SL 3 Computer/Automation Systems Repairer Supervisor	1-11	NA	35W40 Communications-Electronics Maintenance Support Chief



**CHAPTER 3**

**MOS/Skill Level Tasks**

Skill Level 1

Subject Area 1: FIELD ARTILLERY DIGITAL SYSTEMS

**Repair Mortar Ballistic Computer (MBC) M23**

**093-35J-1008**

**Conditions:** Given a complete mortar ballistic computer (MBC) M23 with a suspected fault: digital multimeter AN/PSM-45A; tool kit TK-105/G; power supply PP-6801/U; ESD workstation; special tools and test equipment listed in TM 9-1220-246-12&P Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 9-1220-246-12&P; TM 9-1220-246-34&P; and DA Pam 738-750.

**Standards:** Returned the mortar ballistic computer (MBC) M23 to a fully operational condition and correctly completed all appropriate maintenance forms and records IAW appropriate references.

**Performance Measures**

NOTE: ALL WARNINGS and CAUTIONS in the TMs must be observed.

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed maintenance forms.	—	—
2. Performed visual inspection.	—	—
3. Performed operational checks IAW technical manual.	—	—
4. Obtained required tools, test equipment, and references.	—	—
5. Set up test equipment IAW technical manuals.	—	—
6. Ran diagnostic program.	—	—
7. Verified fault(s) listed on maintenance forms.	—	—
8. Performed troubleshooting procedures.	—	—
9. Used appropriate troubleshooting chart(s).	—	—
10. Identified defective part(s).	—	—
11. Replaced defective part(s) with known good part(s) IAW technical manuals.	—	—
12. Performed operational checks.	—	—
13. Reran diagnostic program.	—	—
14. Tagged defective part(s) for turn-in.	—	—
15. Completed appropriate blocks on maintenance request form.	—	—
16. Notified supervisor upon completion of task.	—	—

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

**References**

**Required**

DA FORM 2404

DA FORM 2407

DA PAM 738-750

TM 11-6625-3052-14

TM 9-1220-246-12&P

TM 9-1220-246-34&P

**Related**

**Repair Forward Observer Digital Message Device AN/PSG-2(\*)  
093-35J-1009**

**Conditions:** Given a complete forward observer digital message device AN/PSG-2 (\*) with a suspected fault; digital multimeter AN/PSM-45A; TK-100/G and TK-105/G tool kits; ESD workstation; special tools and test equipment listed in TM 11-7440-281-12&P Appendix B Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 11-7440-281-12&P; TM 11-7440-281-30&P; and DA Pam 738-750.

**Standards:** Returned the forward observer digital message device AN/PSG-2 (\*) to a fully operational condition and correctly complete all appropriate maintenance forms and records IAW appropriate references.

**Performance Measures**

**GO      NO-GO**

NOTE: ALL WARNINGS and CAUTIONS in the TMs must be observed.

1. Reviewed maintenance forms.	___	___
2. Performed visual inspection.	___	___
3. Performed operational checks IAW technical manual.	___	___
4. Obtained required tools, test equipment, and references.	___	___
5. Set up test equipment IAW technical manuals.	___	___
6. Ran diagnostic program.	___	___
7. Verified faults listed on maintenance forms.	___	___
8. Performed troubleshooting procedures.	___	___
9. Used appropriate troubleshooting chart(s).	___	___
10. Identified defective part(s).	___	___
11. Replaced defective part(s) with known good part(s) IAW technical manuals.	___	___
12. Performed operational checks.	___	___
13. Reran diagnostic program.	___	___
14. Tagged defective part(s) for turn-in.	___	___
15. Completed appropriate blocks on maintenance request form.	___	___
16. Notified supervisor upon completion of task.	___	___

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

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 11-6625-3052-14
- TM 11-7440-281-12&P
- TM 11-7440-281-30&P

**Related**





**Repair Fire Support Team Digital Message Device AN/PSG-5  
093-35J-1010**

**Conditions:** Given a complete fire support team digital message device AN/PSG-5 with a suspected fault; digital multimeter AN/PSM-45A; tool kit TK-105/G; special tools and test equipment listed in TM 11-7025-244-12&P, Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 11-7025-244-12&P; TM 11-7025-244-30; TM 11-7025-244-30P; and DA Pam 738-750.

**Standards:** Returned the fire support team digital message device AN/PSG-5 to a fully operational condition and correctly completed all appropriate maintenance forms and records IAW appropriate references.

**Performance Measures**

**GO      NO-GO**

NOTE: ALL WARNINGS and CAUTIONS in the TMs must be observed.

1. Reviewed maintenance forms.	—	—
2. Performed visual inspection.	—	—
3. Performed operational checks IAW technical manual.	—	—
4. Obtained required tools, test equipment, and references.	—	—
5. Set up test equipment IAW technical manuals.	—	—
6. Ran appropriate diagnostic program.	—	—
7. Verified fault(s) listed on maintenance forms.	—	—
8. Performed troubleshooting procedures.	—	—
9. Used appropriate troubleshooting chart(s).	—	—
10. Identified defective part(s).	—	—
11. Replaced defective part(s) with known good part(s) IAW technical manuals.	—	—
12. Performed operational checks.	—	—
13. Reran diagnostic program.	—	—
14. Tagged defective part(s) for turn-in.	—	—
15. Completed appropriate blocks on maintenance request form.	—	—
16. Notified supervisor upon completion of task.	—	—

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

**References**

**Required**

DA FORM 2404  
DA FORM 2407  
DA PAM 738-750  
TM 11-6130-392-12  
TM 11-6625-3052-14  
TM 11-7025-244-12&P

**Related**

**References**

**Required**

TM 11-7025-244-30

TM 11-7025-244-30P

**Related**

Subject Area 2: TELETYPEWRITER EQUIPMENT

**Repair Communication Terminal AN/UGC-74 (\*)**  
**093-35J-1007**

**Conditions:** Given a complete communications terminal AN/UGC-74 (\*) with a suspected fault digital multimeter AN/PSM-45A; loopback plug; TE-50B and TK-105/G tool kits; special tools and test equipment listed in TM 11-5815-602-24-1 Appendix B Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 11-5815-602-10-1; TM 11-5815-602-24-1; TM 11-5815-602-24P; and DA Pam 738-750.

**Standards:** Returned the communications terminal AN/UGC-74(\*) to a fully operational condition and correctly completed all appropriate maintenance forms and records IAW appropriate references.

**Performance Measures**

NOTE: ALL WARNINGS and CAUTIONS in the TMs must be observed.

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed maintenance forms.	—	—
2. Performed visual inspection.	—	—
3. Performed operational checks IAW technical manual.	—	—
4. Obtained required tools, test equipment, and references.	—	—
5. Set up test equipment IAW technical manuals.	—	—
6. Ran diagnostic test.	—	—
7. Verified fault(s) listed on maintenance forms.	—	—
8. Performed troubleshooting procedures.	—	—
9. Used appropriate troubleshooting chart(s).	—	—
a. Identified defective part(s).		
b. Identified needed adjustment(s).		
10. Replaced defective part(s) with known good part(s) IAW technical manuals.	—	—
11. Performed needed adjustment(s) IAW technical manuals.	—	—
12. Performed operational checks.	—	—
13. Reran diagnostic test.	—	—
14. Tagged defective part(s) for turn-in.	—	—
15. Completed appropriate blocks on maintenance request form.	—	—
16. Notified supervisor upon completion of task.	—	—

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

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750

**Related**

**References**

**Required**

TM 11-5815-602-10-1

TM 11-5815-602-24-1

TM 11-5815-602-24P

TM 11-6625-3052-14

**Related**

Subject Area 3: COMPUTER SYSTEMS

**Repair Lightweight Computer Unit V2 (\*)**  
**093-35J-1001**

**Conditions:** Given a complete lightweight computer unit (LCU) V2(\*); with a suspected fault; printer automatic data PT-555; modem communications MD-1298/U TCIM; CD-ROM drive; digital multimeter AN/PSM-45A; TK-100/G and TK-105/G tool kits; ESD workstation; diagnostics disk drive; TM 11-5895-1546-12&P; TM 11-7021-221-12&P; TM 11-7021-227-12&P; TM 11-7025-327-12&P; TM 11-7021-217-12&P; TM 11-5895-1546-30&P; TM 11-7021-221-30&P; TM 11-7021-227-30&P; TM 11-7025-327-30&P; special tools and test equipment listed in TM 11-7021-221-12&P, Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); and DA Pam 738-750.

**Standards:** Returned the lightweight computer unit (LCU) to a fully operational condition and correctly completed all appropriate maintenance forms and records IAW appropriate references.

**Performance Measures**

**GO**    **NO-GO**

NOTE: ALL WARNINGS and CAUTIONS in the TMs must be observed.

1. Reviewed maintenance forms.	_____	_____
2. Performed visual inspection.	_____	_____
3. Performed operational checks IAW technical manual.	_____	_____
4. Obtained required tools, test equipment, and references.	_____	_____
5. Set up test equipment IAW technical manuals.	_____	_____
6. Ran appropriate diagnostic software.	_____	_____
7. Verified faults listed on maintenance forms.	_____	_____
8. Performed troubleshooting procedures.	_____	_____
9. Used appropriate troubleshooting chart(s).	_____	_____
10. Identified defective part(s).	_____	_____
11. Replaced defective part(s) with known good part(s) IAW technical manuals.	_____	_____
12. Performed operational checks.	_____	_____
13. Reran diagnostic software.	_____	_____
14. Tagged defective part(s) for turn-in.	_____	_____
15. Completed appropriate blocks on maintenance request forms.	_____	_____
16. Notified supervisor upon completion of task.	_____	_____

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

**References**

**Required**

**Related**

DA FORM 2404

**References**

**Required**

DA FORM 2407  
DA PAM 738-750  
TM 11-5895-1546-12&P  
TM 11-6625-3052-14  
TM 11-7021-217-12&P  
TM 11-7021-221-12&P  
TM 11-7021-221-30&P  
TM 11-7021-227-12&P  
TM 11-7021-227-30&P  
TM 11-7025-311-12&P  
TM 11-7025-327-12&P  
TM 11-7025-327-30&P

**Related**

**Repair IBM-Compatible Computers  
093-35J-1002**

**Conditions:** Given a complete IBM-compatible computer with a suspected fault; monitor; digital multimeter AN/PSM-45A; TK-100/G and TK-105/G tool kits; ESD workstation; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); manufacturer references; and DA Pam 738-750.

**Standards:** Returned the IBM-compatible computer to a fully operational condition and correctly completed all appropriate maintenance forms and records IAW appropriate references.

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
NOTE: ALL WARNINGS and CAUTIONS in the manufacturer manuals must be observed.		
1. Reviewed maintenance forms.	—	—
2. Performed visual inspection.	—	—
3. Performed operational checks.	—	—
4. Obtained required tools, test equipment, and references.	—	—
5. Set up test equipment IAW technical manual.	—	—
6. Ran appropriate diagnostic software.	—	—
7. Verified faults listed on maintenance forms.	—	—
8. Performed troubleshooting procedure.	—	—
9. Identified defective part(s).	—	—
10. Replaced defective part(s) with known good part(s).	—	—
11. Performed operational checks.	—	—
12. Reran diagnostic software.	—	—
13. Tagged defective part(s) for turn-in.	—	—
14. Completed appropriate blocks on maintenance request form.	—	—
15. Notified supervisor upon completion of task.	—	—

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

**References  
Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 11-6625-3052-14

**Related**

**Repair Computer System Peripherals  
093-35J-1003**

**Conditions:** Given complete IBM-compatible computer; monitor and one of the following computer system peripheral with a suspected fault: dot matrix printer; laser printer; page scanner; monitor; 10 Base T network; BNC network; digital multimeter AN/PSM-45A; TK-100/G and TK-105/G tool kits; ESD work station; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); manufacturer references; and DA Pam 738-750.

**Standards:** Returned the computer system peripherals to a fully operational condition and correctly completed all appropriate maintenance forms and records IAW appropriate references.

**Performance Measures**

**GO      NO-GO**

NOTE: ALL WARNINGS and CAUTIONS in the manufacturer manuals must be observed.

1. Reviewed maintenance forms.	_____	_____
2. Performed visual inspection.	_____	_____
3. Performed operational checks.	_____	_____
4. Obtained required tools, test equipment, and references.	_____	_____
5. Set up test equipment IAW technical manual.	_____	_____
6. Verified faults listed on maintenance forms.	_____	_____
7. Performed troubleshooting procedures and or adjustment(s).	_____	_____
a. Identified defective part(s).		
b. Identified needed adjustment(s).		
8. Replaced defective part(s) with known good part(s).	_____	_____
9. Performed needed adjustment(s).	_____	_____
10. Performed operational checks.	_____	_____
11. Tagged defective part(s) for turn-in.	_____	_____
12. Completed appropriate blocks on maintenance request form.	_____	_____
13. Notified supervisor upon completion of task.	_____	_____

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

**References**

**Required**

**Related**

DA FORM 2404  
DA FORM 2407  
DA PAM 738-750  
TM 11-6625-3052-14



**Repair Communication Terminal AN/UGC-144  
093-35J-1006**

**Conditions:** Given a complete communication terminal AN/UGC-144 with a suspected fault; digital multimeter AN/PSM-45A; TK-100/G and TK-105/G tool kits; ESD workstation; special tools and test equipment listed in TM 11-7025-267-12 Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 11-7025-267-12; TM 11-7025-267-23P; TM 11-7025-267-30; and DA Pam 735-750.

**Standards:** Returned the communication terminal AN/UGC-144 to a fully operational condition and correctly completed all appropriate maintenance forms and records IAW appropriate references.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
NOTE: ALL WARNINGS and CAUTIONS in the TMs must be observed.		
1. Reviewed maintenance forms.	—	—
2. Performed visual inspection.	—	—
3. Performed operational checks IAW technical manual.	—	—
4. Obtained required tools, test equipment, and references.	—	—
5. Set up test equipment IAW technical manuals.	—	—
6. Installed loop-back plugs and run diagnostic test.	—	—
7. Verified faults listed on maintenance forms.	—	—
8. Performed troubleshooting procedures.	—	—
9. Used appropriate troubleshooting chart(s).	—	—
10. Identified defective part(s).	—	—
11. Replaced defective part(s) with known good part(s) IAW technical manuals.	—	—
12. Performed operational checks.	—	—
13. Reran diagnostic test.	—	—
14. Tagged defective part(s) for turn-in.	—	—
15. Competed appropriate blocks on maintenance request form.	—	—
16. Notified supervisor upon completion of task.	—	—

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

**References**

<b>Required</b>	<b>Related</b>
DA FORM 2404	
DA FORM 2407	
DA PAM 738-750	
TM 11-6625-3052-14	
TM 11-7025-267-12	
TM 11-7025-267-23P	

STP 9-35J13-SM-TG

**References**

**Required**

TM 11-7025-267-30

**Related**

**Repair Ruggedized Tactical Computer System Peripherals  
093-35J-1011**

**Conditions:** Given complete lightweight computer unit (LCU) V2(\*), and one of the following ruggedized tactical computer system peripheral with a suspected fault; automatic data processing printer assembly PT-555; ruggedized CD-ROM drive assembly; modem, communications MD-1298/U; digital multimeter AN/PSM-45A; TK-100/G and TK-105/G tool kits; ESD workstation; TM 11-7025-311-12&P; TM 11-7021-217-12&P; TM 11-7021-221-12&P; TM 11-7021-221-30&P; TM 11-7021-227-12&P; TM 11-7021-227-30&P; TM 11-5895-1546-12&P; TM 11-7025-327-12&P; TM 11-7025-327-30&P; special tools and test equipment listed in TM 11-7025-311-12&P, TM 11-5895-1546-12&P, TM 11-7025-327-12&P Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); and DA Pam 738-750.

**Standards:** Returned the ruggedized tactical computer system peripherals to a fully operational condition and correctly completed all appropriate maintenance forms and records IAW appropriate references.

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
NOTE: ALL WARNINGS and CAUTIONS in the TMs must be observed.		
1. Reviewed maintenance forms.	___	___
2. Performed visual inspection.	___	___
3. Performed operational checks IAW technical manual.	___	___
4. Obtained required tools, test equipment, and references.	___	___
5. Set up test equipment IAW technical manuals.	___	___
6. Ran appropriate self-test.	___	___
7. Verified faults listed on maintenance forms.	___	___
8. Performed troubleshooting procedures.	___	___
9. Used appropriate troubleshooting chart(s).	___	___
10. Identified defective part(s).	___	___
11. Replaced defective part(s) with known good part(s) IAW technical manuals.	___	___
12. Performed operational checks.	___	___
13. Reran self-test.	___	___
14. Tagged defective part(s) for turn-in.	___	___
15. Completed appropriate blocks on maintenance request forms.	___	___
16. Notified supervisor upon completion of task.	___	___

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

**References**

**Required**  
DA FORM 2404  
DA FORM 2407  
DA PAM 738-750

**Related**  
TM 11-5895-1546-12&P  
TM 11-7021-221-30&P

**References**

**Required**

TM 11-7021-217-12&P  
TM 11-7021-221-12&P  
TM 11-7025-311-12&P  
TM 11-7025-327-12&P  
TM 11-7025-327-30&P

**Related**

TM 11-7021-227-12&P  
TM 11-7021-227-30&P

Subject Area 4: FACSIMILE EQUIPMENT

**Repair Lightweight Digital Facsimile (IDF) AN/UXC-7 (\*)**  
**093-35J-1005**

**Conditions:** Given a complete lightweight digital facsimile AN/UXC-7 (LDF) with a suspected fault; digital multimeter AN/PSM-45A; oscilloscope AN/USM-488; TE-50B and TK-105/G tool kits; special tools and test equipment listed in TM 11-5815-615-23 Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 11-5815-615-10; TM 11-5815-615-23; TM 11-5815-615-23P; DA Pam 738-750.

**Standards:** Returned the lightweight digital facsimile AN/UXC-7(\*) to a fully operational condition and correctly completed all appropriate maintenance forms and records IAW appropriate references.

**Performance Measures**

NOTE: ALL WARNINGS and CAUTIONS in the TMs must be observed.

	<u>GO</u>	<u>NO-GO</u>
1. Reviewed maintenance forms.	—	—
2. Performed visual inspection.	—	—
3. Performed operational checks IAW technical manual.	—	—
4. Obtained required tools, test equipment, and references.	—	—
5. Set up test equipment IAW technical manual.	—	—
6. Performed appropriate diagnostic test.	—	—
7. Verified faults listed on maintenance forms.	—	—
8. Performed troubleshooting procedures	—	—
9. Used appropriate troubleshooting chart(s).	—	—
a. Identified needed adjustment(s).		
b. Identified defective part(s).		
10. Replaced defective part(s) with known good part(s) IAW technical manuals.	—	—
11. Performed needed adjustment(s) IAW technical manuals..	—	—
12. Performed operational checks.	—	—
13. Reran diagnostic test.	—	—
14. Tagged defective part(s) for turn-in.	—	—
15. Completed appropriate blocks on maintenance request form.	—	—
16. Notified supervisor upon completion of task.	—	—

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

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750

**Related**

**References**

**Required**

TM 11-5815-615-10  
TM 11-5815-615-23  
TM 11-5815-615-23P  
TM 11-6625-3052-14  
TM 11-6625-3135-12

**Related**

Subject Area 5: POWER AND SIGNAL SYSTEMS

**Repair Digital Topographic Support System DTSS(\*)**  
**093-35J-1012**

**Conditions:** Conditions: Given a digital topographic support system DTSS(\*) with a suspected fault; digital multimeter AN/PSM-45A; TK-100/G and TK-105/G tool kits; TM 11-6675-291-10; TM 11-6675-291-23; special; special tools and test equipment listed in TM 11-6675-291-23, Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); and DA Pam 738-750.

**Standards:** Returned the digital topographic support system DTSS(\*) to a fully operational condition and correctly completed all appropriate maintenance forms and records IAW appropriate references.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
NOTE: ALL WARNINGS and CAUTIONS in the TMs must be observed.		
1. Reviewed maintenance forms.	—	—
2. Performed visual inspection.	—	—
3. Performed operational checks IAW technical manual.	—	—
4. Obtained required tools, test equipment, and references.	—	—
5. Set up test equipment IAW technical manuals.	—	—
6. Ran appropriate diagnostic software.	—	—
7. Verified faults listed on maintenance forms.	—	—
8. Performed troubleshooting procedures.	—	—
9. Used appropriate troubleshooting chart(s).	—	—
10. Identified defective part(s).	—	—
11. Replaced defective part(s) with known good part(s) IAW technical manuals.	—	—
12. Performed operational checks.	—	—
13. Reran diagnostic software.	—	—
14. Tagged defective part(s) for turn-in.	—	—
15. Completed appropriate blocks on maintenance request forms.	—	—
16. Notified supervisor upon completion of task.	—	—

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

**References**

**Required**  
 DA FORM 2404  
 DA FORM 2407  
 DA PAM 738-750

**Related**

## Skill Level 2

## Subject Area 6: TECHNICAL ASSISTANCE IN REPAIR OF COMPUTER SYSTEMS

**Provide Technical Assistance of Lightweight Computer Unit V2 (\*)****093-35J-2001**

**Conditions:** A soldier having trouble repairing a lightweight computer unit V2(\*) has requested assistance. As senior repairer, you must provide technical assistance and instruct soldiers on how to perform this task. Given a lightweight computer unit V2(\*); printer automatic data PT-555; modem communications MD-1298/U TCIM; CD-ROM drive; with a malfunction; diagnostics disk drive; ESD workstation; TK-105/G and TK-100/G tool kits; TM 11-5895-1546-12&P; TM 11-7021-221-12&P; TM 11-7021-227-12&P; TM 11-7025-311-12&P; TM 11-7025-327-12&P; TM 11-7021-217-12&P; TM 11-7021-221-30&P; TM 11-7021-227-30&P; TM 11-7025-327-30&P; digital multimeter AN/PSM-45A; special tools and test equipment listed in TM 11-7021-221-12&P, Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); and DA Pam 738-750.

**Standards:** Provided technical assistance and instructed the soldier on how to repair a lightweight computer unit V2(\*), resulting in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Evaluation Preparation:** Setup: Gather all required equipment, tools, and publications listed in the conditions. Have a soldier act as the repairer having difficulty repairing the lightweight computer unit V2 (\*), and request technical assistance from the noncommissioned officer (NCO).

**Brief soldiers:** Tell the NCO the test will consist of proving technical assistance to a soldier repairing the lightweight computer unit V2 (\*). He must identify the problem and correct any deficiencies the soldier makes performing the troubleshooting or repair procedures. Inform the soldier that he is there to follow directions and not to provide any information or guidance to the NCO being tested.

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

NOTE: All WARNINGS and CAUTIONS in the TMs must be observed.

- |  |       |       |
|--|-------|-------|
| 1. Identified the type of problem.   | _____ | _____ |
| a. Questioned the soldier about the problem.   |       |       |
| b. Reviewed the maintenance forms for the reported malfunction.                                    |       |       |
| c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed.      |       |       |
| 2. Determined if the soldier is following the correct procedures.                                  | _____ | _____ |
| a. Configured equipment for operating mode.  |       |       |
| b. Performed diagnostic tests.   |       |       |
| c. Visually inspected LRUs and harnessed connectors to verify they are properly seated and locked. |       |       |
| d. Concurred/nonconcurred with the procedures.   |       |       |

NOTE: If you concurred with the procedures performed by the soldier, go to PM 4. If you nonconcurred with the procedures performed by the soldier, go to PM 3, then PM 4 if needed.

- |   |       |       |
|---|-------|-------|
| 3. Performed additional troubleshooting tests to localize the malfunction, if required.           | _____ | _____ |
| 4. Provided the soldier the information need to continue with correct troubleshooting procedures. | _____ | _____ |
| a. Corrected any procedural deficiencies.   |       |       |
| b. Explained/showed what was done wrong.  |       |       |
| c. Suggested a direction to the soldier in which to proceed.                                      |       |       |



<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
5. Checked the soldier's work progress as he continued with the repair procedures.	—	—
a. Ensured the repairs were authorized.		
b. Provided assistance on how to remove and replace defective parts and perform adjustments.		
c. Assisted in Identifying and locating repair parts, if required.		
6. Verified the equipment was repaired.	—	—
a. Observed final testing procedures.		
b. Corrected any procedural deficiencies in final testing.		
c. Provided/reinforced training.		
d. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier.		
<b>NOTE:</b> Base your determination on the information gathered in Performance Measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.		
7. Analyzed the problem and provide additional training if the soldier had difficulty performing the task.	—	—
a. Checked procedural errors.		
b. Determined specific lack of technical skills/knowledge.		

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

**References**

<b>Required</b>	<b>Related</b>
DA FORM 2404	
DA FORM 2407	
DA PAM 738-750	
TM 11-5895-1546-12&P	
TM 11-6625-3052-14	
TM 11-7021-217-12&P	
TM 11-7021-221-12&P	
TM 11-7021-221-30&P	
TM 11-7021-227-12&P	
TM 11-7021-227-30&P	
TM 11-7025-311-12&P	
TM 11-7025-327-12&P	
TM 11-7025-327-30&P	

**Provide Technical Assistance of IBM-Compatible Computers  
093-35J-2002**

**Conditions:** A soldier having trouble repairing IBM-compatible computer has requested assistance. As senior repairer, you must provide technical assistance and instruct soldiers on how to perform this task. Given a complete IBM-compatible computer with a malfunction; monitor; ESD workstation; TK-105/G and TK-100/G tool kits; digital multimeter AN/PSM-45A, special tools and test equipment list in manufacturers' references; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); manufacturers' references; and DA Pam 738-750.

**Standards:** Assistance in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Evaluation Preparation:** Setup: Gather all required equipment, tools, and publications listed in the conditions. Have a soldier act as the repairer having difficulty repairing the IBM-compatible computer and request technical assistance from the noncommissioned officer (NCO).

**Brief soldiers:** Tell the NCO the test will consist of proving technical assistance to a soldier repairing the IBM-compatible computer. He must identify the problem and correct any deficiencies the soldier makes performing the troubleshooting or repair procedures. Inform the soldier that he is there to follow directions and not to provide any information or guidance to the NCO being tested.

**Performance Measures**

GO      NO-GO

NOTE: All WARNINGS and CAUTIONS in the manufacturer manuals must be observed.

- |   |       |       |
|---|-------|-------|
| 1. Identified the type of problem.  | _____ | _____ |
| a. Questioned the soldier about the problem.  |       |       |
| b. Reviewed the maintenance forms for the reported malfunction.                                     |       |       |
| c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed.       |       |       |
| 2. Determined if the soldier is following the correct procedures.                                   | _____ | _____ |
| a. Configured equipment for operating mode.   |       |       |
| b. Performed diagnostic tests.  |       |       |
| c. Visually inspected LRUs and harnessed connectors to verify they were properly seated and locked. |       |       |
| d. Concurred/nonconcurrent with the procedures.   |       |       |

NOTE: If you concurred with the procedure performed by the soldier, go to PM 4. If you nonconcurrent with the procedures performed by the soldier, go to PM 3, then PM 4 if needed.

- |   |       |       |
|---|-------|-------|
| 3. Performed additional troubleshooting tests to localize the malfunction, if required.             | _____ | _____ |
| 4. Provided the soldier the information needed to continue with correct troubleshooting procedures. | _____ | _____ |
| a. Corrected any procedural deficiencies.   |       |       |
| b. Explained/showed what was done wrong.  |       |       |
| c. Suggested a direction to the soldier in which to proceed.  |       |       |
| 5. Checked the soldier's work progress as he continued with the repair procedures.                  | _____ | _____ |
| a. Ensured the repairs were authorized.   |       |       |
| b. Provided assistance on how to remove and replace defective parts and perform adjustments.        |       |       |
| c. Assisted in identifying and locating repair parts, if required.                                  |       |       |

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
6. Verified the equipment was repaired.	—	—
a. Observed final testing procedures.		
b. Corrected any procedural deficiencies in final testing.		
c. Provided/reinforced training.		
d. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier.		
NOTE: Base your determination on the information gathered in Performance Measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.		
7. Analyzed the soldier's difficulty in performing the task and provided additional training.	—	—
a. Checked procedural errors.		
b. Determined specific lack of technical skills/knowledge.		

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

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 11-6625-3052-14

**Related**

- DA PAM 738-750

**Provide Technical Assistance of Computer System Peripherals  
093-35J-2003**

**Conditions:** A soldier having trouble repairing one of the following computer peripherals has requested assistance; dot matrix printer; laser printer; page scanner, monitor. As senior repairer, you must provide technical assistance and instruct soldiers on how to perform this task. Given a complete IBM-compatible computer; one of the following computer peripherals with a malfunction; dot matrix printer; laser printer; page scanner; monitor; ESD workstation; TK-105/G and TK-100/G tool kits; digital multimeter AN/PSM-45A; special tools and test equipment listed in manufacturers' references; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); manufacturers' references; and DA Pam 738-750.

**Standards:** Provided technical assistance and instructed the soldier on how to repair one of the computer peripherals, resulting in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Evaluation Preparation:** Setup: Gather all required equipment, tools, and publications listed in the conditions. Have a soldier act as the repairer having difficulty repairing computer system peripherals and request technical assistance from the noncommissioned officer (NCO).

**Brief soldiers:** Tell the NCO the test will consist of providing technical assistance to a soldier repairing the mortar ballistic computer. He must identify the problem and correct any deficiencies the soldier makes performing the troubleshooting or repair procedures. Inform the soldier that he is there to follow directions and not to provide any information or guidance to the NCO being tested.

**Performance Measures**

**GO    NO-GO**

NOTE: All WARNING and CAUTIONS in the manufacturer manuals must be observed.

- |   |       |       |
|---|-------|-------|
| 1. Identified the type of problem.  | _____ | _____ |
| a. Questioned the soldier about the problem.  |       |       |
| b. Reviewed the maintenance forms for the reported malfunction.                                     |       |       |
| c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed.       |       |       |
| 2. Determined if the soldier was following the correct procedures.                                  | _____ | _____ |
| a. Configured equipment for operating mode.   |       |       |
| b. Performed diagnostic tests.  |       |       |
| c. Visually inspected LRUs and harness connectors to verify they are properly seated and locked.    |       |       |
| d. Concurred/nonconcurrent with the procedures.   |       |       |
| 3. Performed additional troubleshooting tests to localize the malfunction, if required.             | _____ | _____ |
| 4. Provided the soldier the information needed to continue with correct troubleshooting procedures. | _____ | _____ |
| a. Corrected any procedural deficiencies.   |       |       |
| b. Explained/showed what was done wrong.  |       |       |
| c. Suggested a direction to the soldier in which to proceed.  |       |       |
| 5. Checked the soldier's work progress as he continued with the repair procedures.                  | _____ | _____ |
| a. Ensured the repairs were authorized.   |       |       |
| b. Provided assistance on how to remove and replace defective parts and perform adjustments.        |       |       |
| c. Assisted in identifying and locating repair parts, if required.                                  |       |       |

NOTE: If you concurred with the procedures performed by the soldier, go to PM 4. If you nonconcurrent with the procedures performed by the soldier, go to PM 3, then PM4, if needed.

**Performance Measures**

GO      NO-GO

- |  |                   |
|--|-------------------|
| <ul style="list-style-type: none"> <li>6. Verified the equipment was repaired.                             <ul style="list-style-type: none"> <li>a. Observed final testing procedures.</li> <li>b. Corrected any procedural deficiencies in final testing.</li> <li>c. Provided/reinforced training.</li> <li>d. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier.</li> </ul> </li> </ul> | <p>—</p> <p>—</p> |
|--|-------------------|

NOTE: Base your determination on the information gathered in Performance Measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.

- |   |                   |
|---|-------------------|
| <ul style="list-style-type: none"> <li>7. Analyzed the problem and provided additional training if the soldier had difficulty in performing the task.                             <ul style="list-style-type: none"> <li>a. Procedural errors.</li> <li>b. Lack of technical skills/knowledge.</li> </ul> </li> </ul> | <p>—</p> <p>—</p> |
|---|-------------------|

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

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 11-6625-3052-14

**Related**

**Provide Technical Assistance of AN/UGC-144  
093-35J-2010**

**Conditions:** A soldier having trouble repairing the communications terminal AN/UGC-144 has requested assistance. As senior repairer, you must provide technical assistance and instruct soldiers on how to perform this task. Given a complete communications terminal AN/UGC-144 with a malfunction; digital multimeter AN/PSM-45A; TK-100/G and TK-105/G tool kits; special tools and test equipment listed in TM 11-7025-267-12, Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 11-7025-267-12; TM 11-7025-267-30; TM 11-7025-267-23P; and DA Pam 738-750.

**Standards:** Provided technical assistance and instructed the soldier on how to repair the communications terminal AN/UGC-144, resulting in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Evaluation Preparation:** Setup: Gather all required equipment, tools, and publications listed in the conditions. Have a soldier act as the repairer having difficulty repairing the communications terminal AN/UGC-144 and request technical assistance from the noncommissioned officer (NCO).

**Brief soldiers:** Tell the NCO the test will consist of providing technical assistance to a soldier repairing the AN/UGC-144. He must identify the problem and correct any deficiencies the soldier makes performing the troubleshooting or repair procedures. Inform the soldier that he is there to follow directions and not to provide any information or guidance to the NCO being tested.

**Performance Measures**

**GO      NO-GO**

NOTE: All WARNINGS and CAUTIONS in the TMs must be observed.

- |   |                           |                           |
|---|---------------------------|---------------------------|
| <ol style="list-style-type: none"> <li>1. Identified the type of problem.                     <ol style="list-style-type: none"> <li>a. Questioned the soldier about the problem.</li> <li>b. Reviewed the maintenance forms for the reported malfunction.</li> <li>c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed.</li> </ol> </li> <br/> <li>2. Determined if the soldier is following the correct procedures.                     <ol style="list-style-type: none"> <li>a. Configured equipment for operating mode.</li> <li>b. Performed diagnostic tests.</li> <li>c. Visually inspected LRUs and harness connectors to verify they are properly seated and locked.</li> <li>d. Concurred/nonconcurrent with the procedures.</li> </ol> </li> </ol> | <p>_____</p> <p>_____</p> | <p>_____</p> <p>_____</p> |
| <p>NOTE: If you concurred with the procedures performed by the soldier, go to PM 4. If you nonconcurrent with the procedures performed by the soldier, go to PM 3, then PM 4 if needed.</p>   |                           |                           |
| <ol style="list-style-type: none"> <li>3. Performed additional troubleshooting tests to localize the malfunction, if required.</li> </ol>   | <p>_____</p>              | <p>_____</p>              |
| <ol style="list-style-type: none"> <li>4. Provided the soldier the information needed to continue with correct troubleshooting procedures.                     <ol style="list-style-type: none"> <li>a. Corrected any procedural deficiencies.</li> <li>b. Explained/showed what was done wrong.</li> <li>c. Suggested a direction to the soldier in which to proceed.</li> </ol> </li> </ol>  | <p>_____</p>              | <p>_____</p>              |
| <ol style="list-style-type: none"> <li>5. Checked the soldier's work progress as he continued with the repair procedures.                     <ol style="list-style-type: none"> <li>a. Ensured the repairs were authorized.</li> <li>b. Provided assistance on how to remove and replace defective parts and perform adjustments.</li> <li>c. Assisted in identifying and locating repair parts, if required.</li> </ol> </li> </ol>   | <p>_____</p>              | <p>_____</p>              |

**Performance Measures**

**GO**    **NO-GO**

- |  |                   |
|--|-------------------|
| <ul style="list-style-type: none"> <li>6. Verified the equipment was repaired.                             <ul style="list-style-type: none"> <li>a. Observed final testing procedures.</li> <li>b. Corrected any procedural deficiencies in final testing.</li> <li>c. Provided/reinforced training.</li> <li>d. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier.</li> </ul> </li> </ul> | <p>—</p> <p>—</p> |
|--|-------------------|

NOTE: Base your determination on the information gathered in Performance Measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.

- |  |                   |
|--|-------------------|
| <ul style="list-style-type: none"> <li>7. Analyzed the problem and provide additional training if the soldier had difficulty performing the task..                             <ul style="list-style-type: none"> <li>a. Checked procedural errors.</li> <li>b. Determined specific lack of technical skills/knowledge.</li> </ul> </li> </ul> | <p>—</p> <p>—</p> |
|--|-------------------|

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

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 11-6625-3052-14
- TM 11-7025-267-12
- TM 11-7025-267-23P
- TM 11-7025-267-30

**Related**

- TM 11-7025-267-30

**Provide Technical Assistance of Ruggedized Tactical Computer System Peripherals  
093-35J-2011**

**Conditions:** A soldier having trouble repairing the ruggedized automatic data processing assembly PT-555 has requested assistance. As senior repairer, you must provide technical assistance and instruct soldiers on how to perform this task. Given a ruggedized automatic data processing assembly PT-555 with a malfunction; complete lightweight computer unit (LCU); digital multimeter AN/PSM-45A; TK-100/G and TK-105/G tool kits; ESD workstation; TM 11-7025-311-12&P; ; TM 11-7021-217-12&P; ; TM 11-7021-221-12&P; TM 11-7021-221-30&P; TM 11-7021-227-12&P; TM 11-7021-227-30&P; TM 11-5895-1546-12&P; TM 11-7025-327-12&P; TM 11-7025-327-30&P; special tools and test equipment listed in TM 11-7025-311-12&P, TM 11-5895-1546-12&P, TM 11-7025-327-12&P; special tools and test equipment listed in TM 11-7025-311-12&P, Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); and DA Pam 738-750.

**Standards:** Provided technical assistance and instructed the soldier on how to repair the ruggedized automatic data processing assembly PT-555, resulting in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Performance Measures**

**GO    NO-GO**

NOTE: All WARNINGS and CAUTIONS in the TMs must be observed.

- |   |       |       |
|---|-------|-------|
| 1. Identified the type of problem.  | _____ | _____ |
| a. Questioned the soldier about the problem.  |       |       |
| b. Reviewed the maintenance forms for the reported malfunction.                                   |       |       |
| c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed.     |       |       |
| 2. Determined if the soldier was following the correct procedures.                                | _____ | _____ |
| a. Configured equipment for operating mode.   |       |       |
| b. Performed diagnostic tests.  |       |       |
| c. Visually inspected LRUs and harness connectors to verify they were properly seated and locked. |       |       |
| d. Concurred/nonconcurred with the procedures.  |       |       |

NOTE: If you concurred with the procedures performed by the soldier, go to PM 4. If you nonconcurred with the procedures performed by the soldier, go to PM 3, then PM 4 if needed.

- |  |       |       |
|--|-------|-------|
| 3. Performed additional troubleshooting tests to localize the malfunction, if required.                              | _____ | _____ |
| 4. Provided the soldier the information needed to continue with correct troubleshooting procedures.                  | _____ | _____ |
| a. Corrected any procedural deficiencies.  |       |       |
| b. Explained/showed what was done wrong.   |       |       |
| c. Suggested a direction to the soldier in which to proceed.   |       |       |
| 5. Checked the soldier's work progress as he continued with the repair procedures.                                   | _____ | _____ |
| a. Ensured the repairs were authorized.  |       |       |
| b. Provided assistance on how to remove and replace defective parts and perform adjustments.                         |       |       |
| c. Assisted in identifying and locating repair parts, if required.   |       |       |
| 6. Verified the equipment was repaired.  | _____ | _____ |
| a. Observed final testing procedures.  |       |       |
| b. Made current any procedural deficiencies in final testing.  |       |       |
| c. Provided/reinforced training.   |       |       |
| d. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier. |       |       |



**Performance Measures**

GO    NO-GO

NOTE: Base your determination on the information gathered in performance Measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.

- |   |                   |
|---|-------------------|
| <ul style="list-style-type: none"> <li>7. Analyzed the problem and provided additional training if the soldiers had difficulty performing the task.                             <ul style="list-style-type: none"> <li>a. Checked procedural errors.</li> <li>b. Determined specific lack of technical skills/knowledge.</li> </ul> </li> </ul> | <p>—</p> <p>—</p> |
|---|-------------------|

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

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 11-7021-217-12&P
- TM 11-7021-221-12&P
- TM 11-7025-311-12&P
- TM 11-7025-327-12&P
- TM 11-7025-327-30&P

**Related**

- TM 11-5895-1546-12&P
- TM 11-6625-3052-14
- TM 11-7021-221-30&P
- TM 11-7021-227-12&P
- TM 11-7021-227-30&P

Subject Area 7: TECHNICAL ASSISTANCE IN REPAIR OF FACSIMILE EQUIPMENT

**Provide Technical Assistance in Troubleshooting and Repair of the AN/UXC-7(\*)  
093-35J-2008**

**Conditions:** A soldier having trouble repairing the lightweight digital facsimile (LDF) AN/UXC-7(\*) has requested assistance. As senior repairer, you must provide technical assistance and instruct soldiers on how to perform this task. Given a lightweight digital facsimile (LDF) AN/UXC-7(\*) with a malfunction; digital multimeter AN/PSM-45A; oscilloscope AN/USM-488; TE-50B and TK-105/G tool kits; special tools and test equipment listed in TM 11-5815-615-23, Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 11-5815-615-10; TM 11-5815-615-23; TM 11-5815-615-23P; and DA Pam 738-750.

**Standards:** Provided technical assistance and instructed the soldier on how to troubleshoot and repair the lightweight digital facsimile (LDF) AN/UXC-7(\*) resulting in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Evaluation Preparation:** Setup: Gather all required equipment, tools, and publications listed in the conditions. Have a soldier act as the repairer having difficulty repairing the LDF and request technical assistance from the noncommissioned officer (NCO).

**Brief soldiers:** Tell the NCO the test will consist of providing technical assistance to a soldier repairing the LDF. He must identify the problem and correct any deficiencies the soldier makes performing the troubleshooting or repair procedures. Inform the soldier that he is there to follow directions and not to provide any information or guidance to the NCO being tested.

**Performance Measures**

**GO      NO-GO**

NOTE: All WARNINGS and CAUTIONS in the TMs must be observed.

- |   |       |       |
|---|-------|-------|
| 1. Identified the type of problem.  | _____ | _____ |
| a. Questioned the soldier about the problem.  |       |       |
| b. Reviewed the maintenance forms for the reported malfunction.                               |       |       |
| c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed. |       |       |
| 2. Determined if the soldier is following the correct procedures.                             | _____ | _____ |
| a. Configured equipment for operating mode.   |       |       |
| b. Performed Mode A self-test.  |       |       |
| c. Performed Mode B self-test.  |       |       |
| d. Concurred/nonconcurrent with the procedures.   |       |       |

NOTE: If you concurred with the procedures performed by the soldier, go to PM 4. If you nonconcurrent with the procedures performed by the soldier, go to PM 3, then PM 4 if needed.

- |   |       |       |
|---|-------|-------|
| 3. Performed additional troubleshooting tests to localize the malfunction, if required.             | _____ | _____ |
| 4. Provided the soldier the information needed to continue with correct troubleshooting procedures. | _____ | _____ |
| a. Corrected any procedural deficiencies.   |       |       |
| b. Explained/showed what was done wrong.  |       |       |
| c. Suggested a direction to the soldier in which to proceed.  |       |       |
| 5. Checked the soldier's work progress as he continued with the repair procedures.                  | _____ | _____ |
| a. Ensured the repairs were authorized.   |       |       |
| b. Provided assistance on how to remove and replace defective parts and perform adjustments.        |       |       |

**Performance Measures**

GO    NO-GO

NOTE: Some corrective actions require testing and/or adjusting the suspected malfunctioning part before replacing.

- c. Assisted in identifying and locating repair parts, if required.
  
- 6. Verified the equipment is repaired. \_\_\_\_\_ \_\_\_\_\_
  - a. Observed final testing procedures.
  - b. Corrected any procedural deficiencies in final testing.
  - c. Provided/reinforced training.
  - d. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier.
  
- 7. Analyzed the problem and provide additional training if the soldier had difficulty performing the task. \_\_\_\_\_ \_\_\_\_\_
  - a. Checked procedural errors.
  - b. Determined specific lack of technical skills/knowledge.

NOTE: Base your determination on the information gathered in performance measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.

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

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 11-5815-615-10
- TM 11-5815-615-23
- TM 11-5815-615-23P
- TM 11-6625-3052-14
- TM 11-6625-3135-12

**Related**

Subject Area 8: TECHNICAL ASSISTANCE IN REPAIR OF FIELD ARTILLERY DIGITAL SYSTEMS

**Provide Technical Assistance of Mortar Ballistic Computer M23  
093-35J-2005**

**Conditions:** A soldier having trouble repairing the mortar ballistic computer has requested assistance. As senior repairer, you must provide technical assistance and instruct soldiers on how to perform this task. Given a mortar ballistic computers M23, two each (one with a malfunction); digital multimeter AN/PSM-45A tool kit K-105/G; power supply PP-6801/U; ESD workstation; special tools and test equipment listed in TM 9-1220-246-12&P, Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 9-1220-246-12&P; TM 9-1220-246-34&P; and DA Pam 738-750.

**Standards:** Provided technical assistance and instructed the soldier on how to repair the mortar ballistic computer, resulting in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Evaluation Preparation:** Gather all required equipment, tools, and publications listed in the conditions. Have a soldier act as the repairer having difficulty repairing the mortar ballistic computer, and request technical assistance from the noncommissioned officer (NCO).

**Brief soldiers:** Tell the NCO the test will consist of providing technical assistance to a soldier repairing the mortar ballistic computer. He must identify the problem and correct any deficiencies the soldier makes performing the troubleshooting or repair procedures. Inform the soldier that he is there to follow directions and not to provide any information or guidance to the NCO being tested.

**Performance Measures**

**GO    NO-GO**

NOTE: All WARNINGS and CAUTIONS in the TMs must be observed.

- |   |       |       |
|---|-------|-------|
| 1. Identified the type of problem.  | _____ | _____ |
| a. Questioned the soldier about the problem.  |       |       |
| b. Reviewed the maintenance forms for the reported malfunction.                               |       |       |
| c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed. |       |       |
| 2. Determined if the soldier was following the correct procedures.                            | _____ | _____ |
| a. Performed built-in self-test.  |       |       |
| b. Performed transmission test.   |       |       |
| c. Checked resistance suspected faulty cables.  |       |       |

NOTE: If you concurred with the procedures performed by the soldier, go to PM 4. If you nonconcurred with the procedures performed by the soldier, go to PM 3, then PM 4 if needed.

- |   |       |       |
|---|-------|-------|
| 3. Performed additional troubleshooting tests to localize the malfunction, if required.             | _____ | _____ |
| 4. Provided the soldier the information needed to continue with correct troubleshooting procedures. | _____ | _____ |
| a. Corrected any procedural deficiencies.   |       |       |
| b. Explained/showed what was done wrong.  |       |       |
| c. Suggested a direction to the soldier in which to proceed.  |       |       |
| 5. Checked the soldier's work progress as he continued with the repair procedures.                  | _____ | _____ |
| a. Ensured the repairs were authorized.   |       |       |
| b. MBC.   |       |       |
| c. Cables.  |       |       |
| d. Assisted in identifying and locating repair parts, if required.                                  |       |       |

**Performance Measures**

**GO**    **NO-GO**

- |  |                   |
|--|-------------------|
| <p>6. Verified the equipment was repaired.</p> <ul style="list-style-type: none"> <li>a. Observed final testing procedures.</li> <li>b. Corrected any procedural deficiencies in final testing.</li> <li>c. Provided/reinforced training.</li> <li>d. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier.</li> </ul> | <p>—</p> <p>—</p> |
|--|-------------------|

NOTE: Base your determination on the information gathered in Performance Measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.

- |  |                   |
|--|-------------------|
| <p>7. Analyzed the problem and provided additional training if the soldier had difficulty performing the task.</p> <ul style="list-style-type: none"> <li>a. Checked procedural errors.</li> <li>b. Determined specific lack of technical skills/knowledge.</li> </ul> | <p>—</p> <p>—</p> |
|--|-------------------|

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

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 11-6625-3052-14
- TM 9-1220-246-12&P
- TM 9-1220-246-34&P

**Related**

**Provide Technical Assistance in Troubleshooting and Repair of Digital Message Devices  
093-35J-2006**

**Conditions:** A soldier having trouble repairing fire support team digital message device (FIST DMD) AN/PSG-5 has requested assistance. As senior repairer, you must provide technical assistance and instruct soldiers on how to perform this task. Given a fire support team digital message device (FIST DMD) AN/PSG-5, with a malfunction; digital multimeter AN/PSM-45A; tool kit TK-105/G; ESD workstation; battery charger PP-7286/U; special tools and test equipment listed in TM 11-7025-244-12&P, Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 11-7025-244-12&P; TM 11-7025-244-30; TM 11-7025-244-30P; and DA Pam 738-750.

**Standards:** Provided technical assistance and instructed the soldier on how to troubleshoot and repair the fire support team digital message device (FIST DMD) AN/PSG-5, resulting in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Evaluation Preparation:** Gather all required equipment, tools, and publications listed in the conditions. Have a soldier act as the repairer having difficulty repairing digital message device AN/PSG-5, and request technical assistance from the noncommissioned officer (NCO).

**Brief soldiers:** Tell the NCO the test will consist of providing technical assistance to a soldier repairing digital message devices. He must identify the problem and correct any deficiencies the soldier makes performing the troubleshooting or repair procedures. Inform the soldier that he is there to follow directions and not to provide any information or guidance to the NCO being tested.

**Performance Measures**

**GO      NO-GO**

NOTE: All WARNINGS and CAUTIONS in the TMs must be observed.

- |   |       |       |
|---|-------|-------|
| 1. Identified the type of problem.  | _____ | _____ |
| a. Questioned the soldier about the problem.  |       |       |
| b. Reviewed the maintenance forms for the reported malfunction.                               |       |       |
| c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed. |       |       |
| 2. Determined if the soldier was following the correct procedures.                            | _____ | _____ |
| a. Performed BITE test.   |       |       |
| b. Performed transmitting and receiving test.   |       |       |
| c. Checked resistance on suspected faulty cables.   |       |       |

NOTE: If you concurred with the procedures performed by the soldier, go to PM 4. If you nonconcurred with the procedures performed by the soldier, go to PM 3, then PM 4 if needed.

- |   |       |       |
|---|-------|-------|
| 3. Performed additional troubleshooting tests to localize the malfunction, if required.             | _____ | _____ |
| 4. Provided the soldier the information needed to continue with correct troubleshooting procedures. | _____ | _____ |
| 5. Checked the soldier's work progress as he continued with the repair procedures.                  | _____ | _____ |
| a. Ensured the repairs were authorized.   |       |       |
| b. Used symptom index.  |       |       |
| c. Used maintenance task lists.   |       |       |
| d. Removed and replaced suspected faulty items.   |       |       |
| e. Assisted in identifying and locating repair parts, if required.                                  |       |       |
| 6. Verified the equipment was repaired.   | _____ | _____ |
| a. Observed final testing procedures.   |       |       |

**Performance Measures**

GO    NO-GO

- b. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier.

NOTE: Base your determination on the information gathered in Performance Measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.

- |   |   |   |
|---|---|---|
| 7. Analyzed the problem and provided additional training if the soldier had difficulty performing the task. | — | — |
| a. Checked procedural errors.   |   |   |
| b. Determined specific lack of technical skills/knowledge.  |   |   |

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

**References**

**Required**

**Related**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 11-6130-392-12
- TM 11-6625-3052-14
- TM 11-7025-244-12&P
- TM 11-7025-244-30
- TM 11-7025-244-30P
- TM 11-7440-281-12&P
- TM 11-7440-281-30&P

**Provide Technical Assistance of Forward Observer Digital Message Device AN/PSG-2(\*)  
093-35J-2007**

**Conditions:** A soldier having trouble repairing digital message device AN/ PSG-2 A/B has requested assistance. As senior repairer, you must provide technical assistance and instruct soldiers on how to perform this task. Given a forward observer digital message device AN/PSG-2 A/B, with a malfunction; digital multimeter AN/PSM-45A; TK-100/G and TK-105/G tool kits; ESD workstation; battery charger PP-7286/U; special tools and test equipment listed in TM 11-7440-281-12&P, Appendix B, Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 11-7440-281-12&P; TM 11-7440-281-30&P; and DA Pam 738-750.

**Standards:** Provided technical assistance and instructed the soldier on how to repair the digital message device AN/PSG-2 A/B, resulting in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Evaluation Preparation:** Gather all required equipment, tools, and publications listed in the condition. Have a group of soldiers that are trained to repair the forward observer digital message device AN/PSG-2A/B act as the repairers.

**Brief soldiers:** Tell the noncommissioned officer (NCO) the test will consist of supervising soldiers repairing the forward observer digital message device AN/PSG-2A/B equipment. The NCO will oversee the soldiers' activity to ensure the task is performed properly. Inform the soldiers they are to follow directions and not to provide any information or guidance to the NCO during the evaluation. Ensure that all soldiers understand they have the responsibility and power to stop an unsafe act.

**Performance Measures**

**GO      NO-GO**

NOTE: All WARNINGS and CAUTIONS in the TMs must be observed.

- |   |       |       |
|---|-------|-------|
| 1. Identified the type of problem.  | _____ | _____ |
| a. Questioned the soldier about the problem.  |       |       |
| b. Reviewed the maintenance forms for the reported malfunction.                                   |       |       |
| c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed.     |       |       |
| 2. Determined if the soldier is following the correct procedures.                                 | _____ | _____ |
| a. Configured equipment for operating mode.   |       |       |
| b. Performed diagnostic tests.  |       |       |
| c. Visually inspected LRUs and harness connectors to verify they were properly seated and locked. |       |       |
| d. Concurred/nonconcurrent with the procedures.   |       |       |

NOTE: If you concurred with the procedures performed by the soldier, go to PM 4. If you nonconcurrent with the procedures performed by the soldier, go to PM 3, then PM 4 if needed.

- |   |       |       |
|---|-------|-------|
| 3. Performed additional troubleshooting tests to localize the malfunction, if required.             | _____ | _____ |
| 4. Provided the soldier the information needed to continue with correct troubleshooting procedures. | _____ | _____ |
| a. Corrected any procedural deficiencies.   |       |       |
| b. Explained/showed what was done wrong.  |       |       |
| c. Suggested a direction to the soldier in which to proceed.  |       |       |
| 5. Checked the soldier's work progress as he continued with the repair procedures.                  | _____ | _____ |
| a. Ensured the repairs were authorized.   |       |       |
| b. Provided assistance on how to remove and replace defective parts and perform adjustments.        |       |       |
| c. Assisted in identifying and locating repair parts, if required.                                  |       |       |



**Performance Measures**

GO      NO-GO

- |  |   |   |
|--|---|---|
| 6. Verified the equipment was repaired.  | — | — |
| a. Observed final testing procedures.  |   |   |
| b. Corrected any procedural deficiencies in final testing.   |   |   |
| c. Provided/reinforced training.   |   |   |
| d. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier. |   |   |

NOTE: Base your determination on the information gathered in Performance Measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.

- |   |   |   |
|---|---|---|
| 7. Analyzed the problem and provided additional training if the soldier had difficulty performing the task. | — | — |
| a. Checked procedural errors.   |   |   |
| b. Determined specific lack of technical skills/knowledge.  |   |   |

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

**References**

**Required**

- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- TM 11-6625-3052-14
- TM 11-7440-281-12&P
- TM 11-7440-281-30&P

**Related**

Subject Area 9: TECHNICAL ASSISTANCE IN REPAIR OF TELETYPEWRITER EQUIPMENT

**Provide Technical Assistance of AN/UGC-74(\*)**  
**093-35J-2009**

**Conditions:** A soldier having trouble repairing the communications terminal AN/UGC-74(\*) has requested assistance. As senior repairer, you must provide technical assistance and instruct soldiers on how to perform this task. Given a communications terminal AN/UGC-74(\*) with a malfunction; digital multimeter AN/PSM-45A; TK-105/G and TE-50B tool kits; special tools and test equipment listed in TM 11-5815-602-24-1, Appendix B Section III; DA Form 2404 (Equipment Inspection and Maintenance Worksheet); DA Form 2407 (Maintenance Request); TM 11-5815-602-10-1; TM 11-5815-602-24-1; TM 11-5815-602-24P; and DA Pam 738-750.

**Standards:** Provided technical assistance and instructed the soldier on how to repair the communications terminal AN/UGC-74(\*), resulting in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Evaluation Preparation:** Gather all required equipment, tools, and publications listed in the conditions. Have a soldier act as the repairer having difficulty repairing the communications terminal AN/UGC-74(\*) and request technical assistance from the noncommissioned officer (NCO).

**Brief soldiers:** Tell the NCO the test will consist of providing technical assistance to a soldier repairing the AN/UGC-74. He must identify the problem and correct any deficiencies the soldier makes performing the troubleshooting or repair procedures. Inform the soldier that he is there to follow directions and not to provide any information or guidance to the NCO being tested.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
NOTE: All WARNINGS and CAUTIONS in the TMs must be observed.		
1. Identified the type of problem.	_____	_____
a. Questioned the soldier about the problem.		
b. Reviewed the maintenance forms for the reported malfunction.		
c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed.		
2. Determined if the soldier is following the correct procedures.	_____	_____
a. Configured equipment for operating mode.		
b. Performed self-test.		
c. Performed loop back test.		
d. Concurred/nonconcurrent with the procedures.		
NOTE: If you concurred with the procedures performed by the soldier, go to PM 4. If you nonconcurrent with the procedures performed by the soldier, go to PM 3, then PM 4 if needed.		
3. Performed additional troubleshooting tests to localize the malfunction, if required.	_____	_____
4. Provided the soldier the information needed to continue with correct troubleshooting procedures.	_____	_____
a. Corrected any procedural deficiencies.		
b. Explained/showed what was done wrong.		
c. Suggested a direction to the soldier in which to proceed.		
5. Checked the soldier's work progress as he continued with the repair procedures.	_____	_____
a. Ensured the repairs were authorized.		
b. Performed lubrication and adjustments.		
c. Removed and replaced suspected faulty items.		

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
d. Assisted in identifying and locating repair parts, if required.		
6. Verified the equipment was repaired.	—	—
a. Observed final testing procedures.		
b. Corrected any procedural deficiencies in final testing.		
c. Provided/reinforced training.		
d. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier.		
NOTE: Base your determination on the information gathered in Performance Measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.		
7. Analyzed the problem and provided additional training if the soldier had difficulty performing the task.	—	—
a. Checked procedural errors.		
b. Determined specific lack of technical skills/knowledge.		

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

**References**

<b>Required</b>	<b>Related</b>
DA FORM 2404	
DA FORM 2407	
DA PAM 738-750	
TM 11-5815-602-10-1	
TM 11-5815-602-24-1	
TM 11-5815-602-24P	
TM 11-6625-3052-14	

Subject Area 10: TECHNICAL ASSISTANCE IN REPAIR OF POWER AND SIGNAL SYSTEMS

**Provide Technical Assistance of Digital Topographic Support System DTSS(\*)  
093-35J-2012**

**Conditions:** Provided technical assistance and instructed the soldier on how to repair the DTSS, resulting in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Standards:** Assistance given by the Skill Level 2 soldier results in the Skill Level 1 soldier acquiring the skills to continue and complete the task.

**Performance Measures**

GO      NO-GO

NOTE: All WARNINGS and CAUTIONS in the TMs must be observed.

- |   |       |       |
|---|-------|-------|
| 1. Identified the type problem.   | _____ | _____ |
| a. Questioned the soldier about the problem.  |       |       |
| b. Reviewed the maintenance forms for the reported malfunction.                                   |       |       |
| c. Instructed the soldier to demonstrate the troubleshooting procedures previously performed.     |       |       |
| 2. Determined if the soldier was following the correct procedures.                                | _____ | _____ |
| a. Configured equipment for operating mode.   |       |       |
| b. Performed diagnostic tests.  |       |       |
| c. Visually inspected LRUs and harness connectors to verify they were properly seated and locked. |       |       |
| d. Concurred/nonconcurred with the procedures.  |       |       |

NOTE: If you concurred with the procedures performed by the soldier, go to PM 4. If you nonconcurred with the procedures performed by the soldier, go to PM 3, then PM 4 if needed.

- |  |       |       |
|--|-------|-------|
| 3. Performed additional troubleshooting tests to localize the malfunction, if required.                              | _____ | _____ |
| 4. Provided the soldier the information needed to continue with correct troubleshooting procedures.                  | _____ | _____ |
| a. Corrected any procedural deficiencies.  |       |       |
| b. Explained/showed what was done wrong.   |       |       |
| c. Suggested a direction to the soldier in which to proceed.   |       |       |
| 5. Checked the soldier's work progress as he continued with the repair procedures.                                   | _____ | _____ |
| a. Ensured the repairs were authorized.  |       |       |
| b. Provided assistance on how to remove and replace defective parts and perform adjustments.                         |       |       |
| c. Assisted in identifying and locating repair parts, if required.   |       |       |
| 6. Verified the equipment was repaired.  | _____ | _____ |
| a. Observed final testing procedures.  |       |       |
| b. Corrected any procedural deficiencies in final testing.   |       |       |
| c. Provided/reinforced training.   |       |       |
| d. Checked maintenance forms for proper completion and, if required, explained entries to the Skill Level 1 soldier. |       |       |

NOTE: Base your determination on the information gathered in Performance Measures 1 through 6 and your evaluation of the soldier's experience and technical knowledge.

- |   |       |       |
|---|-------|-------|
| 7. Analyzed the problem and provided additional training if the soldier had difficulty performing the task. | _____ | _____ |
| a. Checked procedural errors.   |       |       |
| b. Determined specific lack of technical skills/knowledge.  |       |       |

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

**References**

**Required**

DA FORM 2404  
DA FORM 2407  
DA PAM 738-750

**Related**

## Skill Level 3

## Subject Area 11: ADMINISTRATION

**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.

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

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

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

**References**

**Required**

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

**Related**

AR 200-1  
 AR 385-40  
 DA PAM 200-1  
 FM 1-500  
 FM 4-30.3 (FM 9-43-1)  
 TB 43-0129  
 TC 5-400

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

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

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

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

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

**References**

**Required**

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

**Related**

AR 5-12  
DA PAM 25-380-2  
FM 24-33  
FM 34-60  
FM 4-30.3 (FM 9-43-1)



**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.

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

**Performance Measures**

**GO**    **NO-GO**

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

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

**References**

**Required**

DA FORM 3758-R

DA LABEL 80

TB 43-180

TB 750-25

**Related**

**Submit a Quality Deficiency Report (QDR)**

**093-SSG-3004**

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

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

**Performance Measures**

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



**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.

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

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

**References**

**Required**

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

**Related**

DA PAM 738-751

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

**Conditions:** Perform this task given DA Forms 2407/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/job packets by issue priority designators, highest priorities first. Ensured the visible index file were up to date, legible, and complete according to TM 38-L09-11.

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

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

**References**

**Required**

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

**Related**

DA PAM 738-750  
DA PAM 738-751  
FM 4-30.3 (FM 9-43-1)

**Direct Performance of Preventive Maintenance  
093-SSG-3007**

**Conditions:** Perform this task given personnel to perform preventive maintenance, DA Form 2408-14 or DA Form 5988-E, DA Form 2404, 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, DA Form 2408-14, and DD Form 314 according to DA Pam 738-750 or DA Pam 738-751.

<b>Performance Measures</b>	<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.	—	—
a. Ensured the repairer placed a drip pan under any equipment leaking fluids onto the ground.		
b. Made sure parts for repair which were not available were entered on DA Form 5988-E or DA Form 2408-14.		
9. Checked the DD Form 314 for correctness.	—	—
10. Reported vehicle statuses to section/shop supervisor.	—	—
11. Briefed the chain of command on any observed environmental potential high-risk areas during preventive maintenance.	—	—

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

**References**

**Required**

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

**Related**

AR 200-1  
DA PAM 200-1  
FM 4-30.3 (FM 9-43-1)  
TC 5-400



**References**

**Required**

DA PAM 738-751

DD FORM 314

**Related**

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

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

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

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></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 and DA Form 2407 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 PAM 738-750  
DA PAM 738-751  
TB 385-4

**Related**

DA FORM 2404  
DA FORM 2407

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

**Conditions:** Given the applicable technical manuals, equipment to be inspected, DA Form 2404, DA Form 2407, DA Pam 738-750, DA Pam 738-751, and DA Pam 750-10. This task can be performed in a field or garrison environment.

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

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

**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 PAM 738-750  
DA PAM 738-751  
DA PAM 750-10

**Related**

DA PAM 750-1  
FM 4-30.3 (FM 9-43-1)  
TM 750-245-4

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

**Conditions:** Given the applicable technical manuals, equipment to be inspected, DA Form 2404, DA Form 2407, 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, and all forms were completed according to DA Pam 738-750 or DA Pam 738-751.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
1. Checked 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 and returned the equipment to production control.	—	—
4. Signed and dated DA Form 2407 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 PAM 738-750  
DA PAM 738-751

**Related**

DA PAM 750-1  
DA PAM 750-10  
FM 4-30.3 (FM 9-43-1)  
TM 750-245-4

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

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

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

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></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"> <li>a. Purpose statement.</li> <li>b. Scope statement.</li> <li>c. Organization statement.</li> <li>d. Conformity statement.</li> <li>e. References.</li> <li>f. Annex(es).</li> </ul>	—	—
2. Included guidance in the SOP on the following as they pertained only to the maintenance facility: <ul style="list-style-type: none"> <li>a. Personnel administration.</li> <li>b. Security.</li> <li>c. Security and intelligence.</li> <li>d. Area security.</li> <li>e. Physical security of weapons and property.</li> <li>f. Safety program.</li> <li>g. Maintenance operations.</li> <li>h. Management of hand receipts.</li> <li>i. Standard warnings.</li> <li>j. Alert procedures.</li> <li>k. Nuclear, biological, and chemical (NBC) warfare.</li> <li>l. Defense against nuclear attack.</li> <li>m. Logistics.</li> <li>n. Motor pool operations.</li> <li>o. Motor movement and traffic control.</li> <li>p. Tactical operations.</li> </ul>	—	—
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

**Related**

**References**

**Required**

DA PAM 600-67

FM 101-5

FM 24-16

FM 4-30.3 (FM 9-43-1)

TC 43-4

**Related**

**Perform In-Process Inspection**  
**093-SSG-3012**

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

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

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

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

**References**

**Required**

DA PAM 738-750  
DA PAM 738-751

**Related**

DA PAM 750-10  
FM 4-30.3 (FM 9-43-1)  
TM 750-245-4

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

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

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

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

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

**References**

**Required**

AR 25-400-2

AR 710-2

DA FORM 2062

DA PAM 710-2-1

**Related**



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

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

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

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></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"> <li>a. Identified point of contact at unit/site.</li> <li>b. Identified the equipment was to be assessed for battlefield damage.</li> <li>c. Identified the equipment was needed for the upcoming mission.</li> <li>d. Explained Logistics support.</li> <li>e. Planned primary and secondary routes to unit.</li> <li>f. Ensured team received a copy of supported units' radio frequencies and call signs.</li> </ul>	—	—
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"> <li>a. Reviewed the operator/crew assessment and the safety checks made.</li> <li>b. Interviewed the operator/crew if available.</li> <li>c. Conducted visual inspection.</li> <li>d. Performed self-test.</li> <li>e. Tested equipment with the organizational/direct support maintenance equipment.</li> </ul>	—	—
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"> <li>a. DA Form 2404.</li> <li>b. DA Form 2407.</li> <li>c. DD Form 1577.</li> <li>d. DD Form 1577-1</li> <li>e. DD Form 1577-2</li> <li>f. DD Form 1577-3</li> </ul>	—	—
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 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)  
FM 9-43-2

**Related**

FM 4-30.3 (FM 9-43-1)  
FM 9-43-2  
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.

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></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"> <li>a. Three demands were made within the control period of 180 days for active army.</li> <li>b. Parts are essential and have a maintenance use code of "O". (except for non tactical telecommunications systems, air traffic control, or lifesaving systems).</li> </ul>	—	—
4. Reviewed non-demand-supported unit maintenance repair parts documents and ensured they met the following: <ul style="list-style-type: none"> <li>a. Approved by the first general officer staff level in the chain of command is required in order to stock?</li> <li>b. Parts essential and have a maintenance use code of "O". (except for non tactical telecommunications systems, air traffic control, or lifesaving systems).</li> </ul>	—	—
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"> <li>a. The stockage level will not be reduced the first year.</li> <li>b. If the end item is under warranty, the one-year will begin on expiration of warranty.</li> </ul>	—	—
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

**Related**  
FM 4-30.3 (FM 9-43-1)

**References**

**Required**

DA PAM 710-2-1

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 according with AR 710-2 and DA Pam 710-2-2.

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

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

**References**

**Required**

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

**Related**

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

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

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

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

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

**References**

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

**Related**

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

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

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

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></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 (FM 9-43-1)

**Related**

FM 21-26  
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.

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

**Related**

- DA PAM 750-10
- FM 4-30.3 (FM 9-43-1)
- TM 38-L09-11



**References**

**Required**

DD FORM 1577  
DD FORM 1577-1  
DD FORM 1577-2  
DD FORM 1577-3

**Related**

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

**Conditions:** Perform this task given SAMS-1 system installed, completed set of required SAMS-1 reports and forms, 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.

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

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

**References**

<b>Required</b>	<b>Related</b>
AISM 25-L21-AHN-ZZZ-EM	
DA PAM 738-750	
DA PAM 738-751	
FM 4-30.3 (FM 9-43-1)	

**APPENDIX A -****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.

<b>HANDS-ON EVALUATION</b> For use of this form see AR 350-37. The proponent agency is DCSOPS.		DATE <b>20 FEB 1993</b>	
TASK TITLE <b>CAMOUFLAGE YOUR DEFENSIVE POSITION</b>		TASK NUMBER <b>051-202-1363</b>	
ITEM a	PERFORMANCE STEP b	SCORE (Check One)	
		PASS c	FAIL d
1	APPROACH POSITION FROM REAR.	P	F
2	POSITION CANNOT BE DETECTED FROM 35 METERS IN FRONT OF POSITION.	P	F
3	DOES NOT DISTURB TREES, BUSHES AND GRASS AROUND POSITION.	P	F
4	COVERS PARAPET WITH VEGETATION.	P	F
5	HIDES EXCESSIVE SOIL AT REAR OF POSITION.	P	F

## SAMPLE

		P	F
EVALUATOR'S NAME	<b>SFC WHITMAN</b>		
		UNIT <b>A CO 2/6TH</b>	
SOLDIER'S NAME	<b>SP4 ANDERSON</b>		
		STATUS <b>GO NO-GO</b>	

DA Form 5164-R, SEP 85 (EDITION OF 82 TO BE USED)

Figure A-1. Sample DA Form 5164-R (Hands-On Evaluation)

**APPENDIX B -****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.

HANDS-ON EVALUATION For use of this form see AR 350-37. The proponent agency is DCSOPS.		DATE <b>20 FEB 1993</b>	
TASK TITLE <b>CAMOUFLAGE YOUR DEFENSIVE POSITION</b>		TASK NUMBER <b>051-202-1363</b>	
ITEM a	PERFORMANCE STEP b	SCORE (Check One)	
		PASS c	FAIL d
1	APPROACH POSITION FROM REAR.	P	F
2	POSITION CANNOT BE DETECTED FROM 35 METERS IN FRONT OF POSITION.	P	F
3	DOES NOT DISTURB TREES, BUSHES AND GRASS AROUND POSITION.	P	F
4	COVERS PARAPET WITH VEGETATION.	P	F
5	HIDES EXCESSIVE SOIL AT REAR OF POSITION.	P	F

## SAMPLE

		P	F
EVALUATOR'S NAME	<b>SFC WHITMAN</b>		
		UNIT <b>A CO 2/6TH</b>	
SOLDIER'S NAME	<b>SP4 ANDERSON</b>		
		STATUS <b>GO NO-GO</b>	

DA Form 5164-R, SEP 85 (EDITION OF 82 TO BE USED)

Figure B-1. Sample DA Form 5165-R (Field Expedient Squad Book)

**GLOSSARY****Section I**  
**Abbreviations**

<b>AAR</b>	after-action review
<b>AC</b>	Active Component
<b>ac/AC</b>	alternating current
<b>ACC</b>	Army correspondence course
<b>ACCP</b>	Army Correspondence Course Program
<b>ACS</b>	Army Community Service
<b>ADP</b>	automated data processing
<b>ADPE</b>	automatic data processing equipment
<b>ADPSSO</b>	automatic data processing system security officer
<b>ADS</b>	automatic data system
<b>AIMS</b>	automated information systems manual
<b>AIT</b>	advanced individual training
<b>AM</b>	amplitude modulation
<b>AMDF</b>	Army Master Data File
<b>AMM</b>	Army Modernization Memorandum
<b>AMS</b>	Army Management System
<b>AN</b>	annually
<b>ANCOC</b>	Advanced Noncommissioned Officers Course
<b>APFT</b>	Army physical fitness test
<b>app</b>	appendix
<b>AR</b>	Army regulation
<b>ARTEP</b>	Army training and evaluation program
<b>ASCII</b>	American Standard Code for Information Interchange
<b>ASI</b>	additional skill identifier
<b>ATE</b>	automatic test equipment

<b>auth</b>	authorized
<b>BAL</b>	ballistic
<b>BCS</b>	battery computer system
<b>BCU</b>	battery computer unit
<b>BDAR</b>	battle damage assessment and repair
<b>BIT</b>	built-in test
<b>BITE</b>	built-in test equipment
<b>BL</b>	low battery
<b>BM</b>	bimonthly (once every two months)
<b>BNC</b>	Basic NCO Course (BNCOC)
<b>BNCOC</b>	Basic Noncommissioned Officers Course
<b>BSE</b>	brigade support element
<b>C</b>	CONFIDENTIAL
<b>CA</b>	civil affairs; combat arms
<b>CAL</b>	Center of Army Leadership; caliber
<b>cat</b>	category
<b>CCU</b>	communications control unit
<b>CD</b>	control display
<b>CD-ROM</b>	compact disk-read only memory
<b>CE</b>	communications-electronics
<b>chap</b>	chapter
<b>CJB</b>	communications junction box
<b>class</b>	classification
<b>CNR</b>	calibration is not required
<b>CO</b>	commissioned officer
<b>comm</b>	communication
<b>COMP</b>	compass
<b>COMSEC</b>	communications security



<b>COTS</b>	commercial off-the-shelf
<b>CP</b>	command post
<b>CPU</b>	central processing unit
<b>CRT</b>	cathode ray tube
<b>CSI</b>	computer supported instruction
<b>CSS</b>	combat services support
<b>CT</b>	common task
<b>CTB</b>	communications terminal box
<b>CTT</b>	common task test
<b>D</b>	drive
<b>DA</b>	Department of the Army
<b>DA Form</b>	Department of the Army form
<b>DA Pam</b>	Department of the Army pamphlet
<b>DBMP</b>	database management processor
<b>DC (1)</b>	direct current
<b>DD</b>	Defense Department/Department of Defense
<b>DD Form</b>	Department of Defense form
<b>DDG</b>	data display group
<b>DDT</b>	digital data terminal
<b>demo</b>	demolition
<b>DOT</b>	Directorate of Training
<b>DS</b>	direct support
<b>DS/GS</b>	direct support/general support
<b>e</b>	for example
<b>EC</b>	error code
<b>ED</b>	emergency destruction
<b>ELP</b>	electronic line printer
<b>EM</b>	electronic manual/electronic media

<b>EMP</b>	electromagnetic pulse
<b>EP</b>	electronic protection
<b>EPA</b>	Environmental Protection Agency
<b>EQUIP</b>	equipment
<b>ETD</b>	electronic tactical display
<b>FA</b>	functional area
<b>FED</b>	federal
<b>fig</b>	figure
<b>FIST</b>	fire support team
<b>FIST DMD</b>	fire support team digital message device
<b>FM</b>	frequency modulated
<b>FO</b>	forward observer
<b>FO DMD</b>	forward observer digital message device
<b>GI</b>	government issue
<b>GR</b>	grade resistance
<b>GS</b>	general support
<b>HAZMAT</b>	hazardous materials
<b>hertz</b>	cycles per second
<b>HN</b>	host nation
<b>hr</b>	hour(s)
<b>Hz</b>	hertz
<b>IAW</b>	in accordance with
<b>IC</b>	integrated circuit
<b>ID</b>	identification
<b>IG</b>	inspector general
<b>IM</b>	information management
<b>Instr</b>	instructor/instruction
<b>IR</b>	infrared

<b>ISE</b>	intermediate support element
<b>L</b>	left
<b>LASER</b>	light amplification by stimulated emission of radiation
<b>lb</b>	pound
<b>LCD</b>	liquid crystal display
<b>LCU</b>	launcher control unit
<b>LDF</b>	lightweight digital facsimile
<b>LES</b>	leave and earnings statement
<b>LO</b>	learning objective
<b>loc</b>	location
<b>LOGMARS(T)</b>	logistics applications of automatic marking and reading symbols-tactical
<b>LRA</b>	local reproduction authorized
<b>LRU</b>	line replaceable unit
<b>LSA</b>	logistics support analysis
<b>M</b>	meter
<b>maint</b>	maintenance
<b>MBC</b>	mortar ballistic computer
<b>MHz</b>	megahertz
<b>min</b>	minute
<b>MLD</b>	maintenance level diagnostics
<b>mm</b>	millimeter
<b>MODEM</b>	modulation/demodulation equipment
<b>MON</b>	monitor
<b>MOS</b>	military occupational specialty
<b>MOSC</b>	military occupational specialty code
<b>MTS</b>	module test set
<b>MU</b>	multiple unit
<b>MWO</b>	modification work order

<b>NA</b>	not applicable
<b>NATO</b>	North Atlantic Treaty Organization
<b>NCO</b>	noncommissioned officer
<b>NCOIC</b>	noncommissioned officer in charge
<b>NET</b>	new equipment training
<b>NG</b>	National Guard
<b>NI-CAD</b>	nickel-cadmium
<b>NIIN</b>	national item identification number
<b>NSN</b>	national stock number
<b>O</b>	FOR OFFICIAL USE ONLY
<b>OIC</b>	officer in charge
<b>OPCON</b>	operational control
<b>ORF</b>	operation readiness float
<b>Pam</b>	pamphlet
<b>para</b>	paragraph
<b>PC</b>	production control
<b>PCG</b>	power converter group
<b>PDU</b>	power distribution unit
<b>PE</b>	practical exercise
<b>PLDC</b>	Primary Leadership Development Course
<b>PLL</b>	prescribed load list
<b>PMCS</b>	preventive maintenance checks and services
<b>PMD</b>	passive maintenance device
<b>PN</b>	part number
<b>pos</b>	positive
<b>pr</b>	pair
<b>PS</b>	power supply
<b>PSM</b>	power supply modulator

<b>PT</b>	physical training
<b>pub</b>	publication
<b>QC</b>	quality control
<b>QDR</b>	Quality Deficiency Report
<b>R</b>	right
<b>RAM</b>	random access memory
<b>RC</b>	Reserve Component
<b>RCMU</b>	remote communications monitor unit
<b>RD</b>	receive data
<b>rec</b>	received; radio electronic communications
<b>REF</b>	reference
<b>RF</b>	radio frequency
<b>RT</b>	receiver transmitter
<b>RX</b>	reparable exchange
<b>s</b>	second
<b>S</b>	SECRET
<b>SAMS</b>	Standard Army Maintenance System
<b>SAMS-1</b>	Standard Army Maintenance System-1
<b>SB</b>	supply bulletin
<b>SE</b>	system exerciser
<b>sec</b>	second
<b>SF</b>	standard form
<b>SI</b>	International Systems of Units
<b>SI</b>	skill identifier
<b>SIG</b>	signal
<b>SL</b>	skill level
<b>SM</b>	soldier's manual
<b>SMCT</b>	soldier's manual of common tasks

<b>SOP</b>	standing operating procedure
<b>SSA</b>	supply support activity
<b>SSI</b>	special skill identifier
<b>STP</b>	soldier training publication
<b>Suppl</b>	supplement
<b>Tab</b>	table
<b>TAMMS</b>	The Army Maintenance Management System
<b>TB</b>	technical bulletin
<b>TB MED</b>	technical bulletin (medical)
<b>TC</b>	technical coordinator
<b>TI</b>	technical inspection
<b>TM</b>	technical manual
<b>TMDE</b>	test measurement and diagnostic equipment
<b>TR</b>	TRADOC regulation
<b>TRADOC</b>	Training and Doctrine Command
<b>TTY</b>	teletypewriter
<b>U</b>	unclassified
<b>UI</b>	unit of issue
<b>UIC</b>	unit identification code
<b>UNIT</b>	trained in the unit
<b>US</b>	United States
<b>USA</b>	United States Army
<b>Verify</b>	To prove the truth of a supply transaction.
<b>VFMED</b>	variable format message entry device
<b>WO</b>	warrant officer
<b>Z</b>	zulu time (Greenwich Mean Time)

## **Section II**

### **Terms**

#### **Collective training**

Training, either in institutions or units, that prepares cohesive teams and units to accomplish their missions on the battlefield and in operations other than war.

#### **common task**

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

#### **component**

Any part of a complete item.

#### **Critical task**

See "Task," "Critical collective task," and "Critical individual task."

#### **Cross training**

The systematic training of soldiers on tasks related to another duty position.

#### **Ground**

An electrical connection, whether intentional or accidental, between the positive side of an electric circuit and the earth, or some conducting object that serves in its plane, such as a locomotive underframe.

#### **integration training**

Initial entry training in Skill Level 1 tasks for an individual newly arrived in a unit. In all cases this training is supported by the TRADOC school proponent.

#### **job**

The tasks you are required to perform in your duty position at your skill level.

#### **Jumper**

A removable electrical connector usually used for bypassing a portion of an electric circuit. Also a device used between units of a train for coupling or uncoupling electrical circuits carried from unit to unit.

#### **merger training**

Training that prepares an NCO to supervise one or more different MOSs at lower skill levels when the soldier advances in skill level in his career management field.

#### **NSN (national stock number)**

The 13-digit stock number replacing the 11-digit federal stock number. It consists of the 4-digit federal supply classification code and the 9-digit national item identification number (NIIN). The NIIN consists of a 2-digit national codification bureau number designating the central catalog office of the NATO or other friendly country that assigned the number and a 7-digit (XXX-XXXX) nonsignificant number. The number is arranged as follows: 9999-00-999-9999.

#### **performance measure**

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

#### **performance measures (PMs)**

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

#### **Self-Development**

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

**Sustainment training**

See "Refresher training."

**unit training**

Training that is conducted in a unit.



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DD FORM 314	Preventive Maintenance Schedule and Record (This Item is Included on EM 0001). 1 December 1953

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TC 5-400	Unit Leaders' Handbook for Environmental Stewardship. 29 September 1994





**STP 9-35J13-SM-TG**  
**29 JUNE 2001**

By Order of the Secretary of the Army:

**ERIC K. SHINSEKI**  
*General, United States Army*  
*Chief of Staff*

Official:



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