

**STP 11-25A-OFS**

HEADQUARTERS  
DEPARTMENT OF THE ARMY

**Officer Foundation Standards  
(OFS) Manual**

**AOC 25A**

**SIGNAL COMMISSIONED OFFICER**

**Ranks Second Lieutenant (2LT),  
First Lieutenant (1LT),  
and Captain (CPT)**

**December 2007**

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# OFFICER FOUNDATION STANDARDS (OFS) MANUAL

## AOC 25A

### SIGNAL COMMISSIONED OFFICER

#### Ranks 2LT, 1LT, and CPT

#### TABLE OF CONTENTS

	<u>PAGE</u>
Table of Contents .....	i
PREFACE .....	v
Chapter 1. Introduction.....	1-1
Chapter 2. AOC Training .....	2-1
Chapter 3. AOC/Skill Level Tasks.....	3-1
<b>Skill Level 1</b>	
<b>Subject Area 1: Plan Signal Support</b>	
113-427-5003 PLAN SIGNAL SUPPORT AS A PLT LDR .....	3-1
113-427-6004 PLAN SIGNAL SUPPORT AS A BN S6.....	3-3
<b>Subject Area 2: Plan Data Support</b>	
113-463-5001 PLAN DATA SUPPORT AS A PLT LDR.....	3-6
113-463-6001 PLAN DATA SUPPORT AS A BN S6 .....	3-7
<b>Subject Area 3: Plan Telephone Support</b>	
113-351-5001 Plan Telephone Support as a Platoon Leader .....	3-9
113-351-6001 Plan Telephone Support as a Battalion S6 .....	3-10
<b>Subject Area 4: Plan CNR Support</b>	
113-485-5002 PLAN CNR SUPPORT AS A PLT LDR.....	3-12
113-485-6005 PLAN CNR SUPPORT AS A BN S6 .....	3-14
<b>Subject Area 5: Plan Information Assurance</b>	
113-397-6001 PLAN INFORMATION ASSURANCE AS A BN S6.....	3-17
<b>Subject Area 6: Plan Internetwork Connectivity</b>	
113-494-6001 PLAN INTERNETWORK CONNECTIVITY AS A BN S6 .....	3-19
<b>Subject Area 7: Plan COMSEC</b>	
113-370-5001 Plan COMSEC Support as a Platoon Leader .....	3-20
113-370-6001 Plan COMSEC Support as a Battalion S6.....	3-22

\*This publication supersedes STP 11-25A-OFS, 29 April 2002.

<b>Subject Area 8: Manage Signal Support</b>		
113-427-5004	MANAGE SIGNAL SUPPORT AS A PLT LDR .....	3-24
113-427-6008	MANAGE SIGNAL SUPPORT AS A BN S6.....	3-26
<b>Subject Area 9: Manage Data Support</b>		
113-463-5002	MANAGE DATA SUPPORT AS A PLT LDR.....	3-28
113-463-6005	MANAGE DATA SUPPORT AS A BN S6 .....	3-30
<b>Subject Area 10: Manage Telephone Support</b>		
113-351-5002	Manage Telephone Support as a Platoon Leader .....	3-32
113-351-6005	Manage Telephone Support as a Battalion S6 .....	3-34
<b>Subject Area 11: Manage CNR Support</b>		
113-485-5003	MANAGE CNR SUPPORT AS A PLT LDR.....	3-36
113-485-6009	MANAGE CNR SUPPORT AS A BN S6.....	3-39
<b>Subject Area 12: Manage Information Assurance</b>		
113-397-5003	MANAGE INFORMATION ASSURANCE AS A PLT LDR .....	3-42
113-397-6005	MANAGE INFORMATION ASSURANCE AS A BN S6 .....	3-44
<b>Subject Area 13: Manage COMSEC</b>		
113-370-5002	Manage COMSEC as a Platoon Leader .....	3-46
113-370-6005	Manage COMSEC as a Battalion S6 .....	3-48
<b>Subject Area 14: Manage Internetwork Connectivity</b>		
113-494-5001	MANAGE INTERNETWORK CONNECTIVITY AS A PLT LDR.....	3-50
113-494-6005	MANAGE INTERNETWORK CONNECTIVITY AS A BN S6.....	3-52
<b>Subject Area 15: Manage the Restoration of Communications Services</b>		
113-381-5001	MANAGE THE RESTORATION OF COM SVCS AS A PLT LDR.....	3-54
113-381-6001	MANAGE THE RESTORATION OF COM SVCS AS A BN S6.....	3-57
<b>Subject Area 16: Coordinate Information Management</b>		
113-492-6001	COORDINATE INFORMATION MANAGEMENT AS A BN S6.....	3-60
<b>Subject Area 17: Conduct Network Operations</b>		
113-351-6004	Plan Telephone Support as a Network Operations S3 .....	3-62
113-351-6008	Manage Telephone Support as a Network Operations/S3.....	3-64
113-370-6004	Plan COMSEC Support as a Network Operations/S3.....	3-66
113-370-6008	Manage COMSEC as a Network Operations/S3 .....	3-68
113-381-6004	MANAGE THE RESTORATION OF COM SVCS AS A NETOPS/S3.....	3-70
113-397-6004	PLAN INFORMATION ASSURANCE AS A NETOPS/S3.....	3-73
113-397-6008	MANAGE INFORMATION ASSURANCE AS A NEOPS/S3.....	3-75
113-427-6007	PLAN SIGNAL SUPPORT AS A NETOPS/S3.....	3-77
113-427-6011	MANAGE SIGNAL SUPPORT AS A NETOPS/S3.....	3-80
113-463-6004	PLAN DATA SUPPORT AS A NETOPS/S3.....	3-83
113-463-6008	MANAGE DATA SUPPORT AS A NETOPS/S3 .....	3-85
113-485-6008	PLAN CNR SUPPORT AS A NETOPS/S3 .....	3-87
113-492-6004	COORDINATE INFORMATION MANAGEMENT AS A NETOPS/S3.....	3-89
113-494-6004	PLAN INTERNETWORK CONNECTIVITY AS A NETOPS/S3 .....	3-90
113-494-6008	MANAGE INTERNETWORK CONNECTIVITY AS A NETOPS/S3 .....	3-92

**Skill Level 2****Subject Area 1: Plan Signal Support**

113-427-6006 PLAN SIGNAL SUPPORT AS A G6/J6..... 3-94

**Subject Area 2: Plan Data Support**

113-463-6003 PLAN DATA SUPPORT AS A G6/J6 ..... 3-97

**Subject Area 3: Plan Telephone Support**

113-351-6003 Plan Telephone Support as a G6/J6 ..... 3-99

**Subject Area 4: Plan CNR Support**

113-485-6007 PLAN CNR SUPPORT AS A G6/J6 ..... 3-101

**Subject Area 5: Plan Information Assurance**

113-397-6003 PLAN INFORMATION ASSURANCE AS A G6/J6 ..... 3-104

**Subject Area 6: Plan Internetwork Connectivity**

113-494-6003 PLAN INTERNETWORK CONNECTIVITY AS A G6/J6 ..... 3-106

**Subject Area 7: Plan COMSEC**

113-370-6003 Plan COMSEC Support as a G6/J6 ..... 3-108

**Subject Area 8: Manage Signal Support**

113-427-6010 MANAGE SIGNAL SUPPORT AS A G6/J6 ..... 3-110

**Subject Area 9: Manage Data Support**

113-463-6007 MANAGE DATA SUPPORT AS A G6/J6 ..... 3-113

**Subject Area 10: Manage Telephone Support**

113-351-6007 Manage Telephone Support as a G6/J6 ..... 3-115

**Subject Area 11: Manage CNR Support**

113-485-6011 MANAGE CNR SUPPORT AS A G6/J6 ..... 3-117

**Subject Area 12: Manage Information Assurance**

113-397-6007 MANAGE INFORMATION ASSURANCE AS A G6/J6 ..... 3-120

**Subject Area 13: Manage COMSEC**

113-370-6007 Manage COMSEC as a G6/J6 ..... 3-122

**Subject Area 14: Manage Internetwork Connectivity**

113-494-6007 MANAGE INTERNETWORK CONNECTIVITY AS A G6/J6 ..... 3-124

**Subject Area 15: Manage the Restoration of Communications Services**

113-381-6003 MANAGE THE RESTORATION OF COM SVCS AS A G6/J6 ..... 3-126

**Subject Area 16: Coordinate Information Management**

113-492-6003 COORDINATE INFORMATION MANAGEMENT AS A G6/J6 ..... 3-129

**Skill Level 3****Subject Area 1: Plan Signal Support**

113-427-6005 PLAN SIGNAL SUPPORT AS A BCT S6..... 3-131

**Subject Area 2: Plan Data Support**

113-463-6002 PLAN DATA SUPPORT AS A BCT S6 ..... 3-134

**Subject Area 3: Plan Telephone Support**

113-351-6002 PLAN TELEPHONE SUPPORT AS A BRIGADE COMBAT TEAM S6 ..... 3-136

**Subject Area 4: Plan CNR Support**

113-485-6006 PLAN CNR SUPPORT AS A BCT S6 ..... 3-138

**Subject Area 5: Plan Information Assurance**

113-397-6002 PLAN INFORMATION ASSURANCE AS A BCT S6 ..... 3-141

<b>Subject Area 6: Plan Internetwork Connectivity</b>	
113-494-6002	PLAN INTERNETWORK CONNECTIVITY AS A BCT S6 ..... 3-143
<b>Subject Area 7: Plan COMSEC</b>	
113-370-6002	Plan COMSEC Support as a Brigade Combat Team S6 ..... 3-145
<b>Subject Area 8: Manage Signal Support</b>	
113-427-6009	MANAGE SIGNAL SUPPORT AS A BCT S6 ..... 3-147
113-427-6012	MANAGE SIGNAL SUPPORT AS A COMPANY COMMANDER..... 3-149
<b>Subject Area 9: Manage Data Support</b>	
113-463-6006	MANAGE DATA SUPPORT AS A BCT S6 ..... 3-152
113-463-6009	MANAGE DATA SUPPORT AS A COMPANY COMMANDER ..... 3-154
<b>Subject Area 10: Manage Telephone Support</b>	
113-351-6006	Manage Telephone Support as a Brigade Combat Team S6 ..... 3-155
113-351-6009	Manage Telephone Support as a Company Commander..... 3-157
<b>Subject Area 11: Manage CNR Support</b>	
113-485-6010	MANAGE CNR SUPPORT AS A BCT S6..... 3-158
113-485-6013	MANAGE CNR SUPPORT AS A COMPANY COMMANDER..... 3-161
<b>Subject Area 12: Manage Information Assurance</b>	
113-397-6006	MANAGE INFORMATION ASSURANCE AS A BCT S6 ..... 3-163
113-397-6009	MANAGE INFORMATION ASSURANCE AS A COMPANY COMMANDER ..... 3-165
<b>Subject Area 13: Manage COMSEC</b>	
113-370-6006	Manage COMSEC as a Brigade Combat Team S6 ..... 3-166
113-370-6009	MANAGE COMSEC AS A COMPANY COMMANDER ..... 3-168
<b>Subject Area 14: Manage Internetwork Connectivity</b>	
113-494-6006	MANAGE INTERNETWORK CONNECTIVITY AS A BCT S6..... 3-169
113-494-6009	MANAGE INTERNETWORK CONNECTIVITY AS A COMPANY COMMANDER ..... 3-171
<b>Subject Area 15: Manage the Restoration of Communications Services</b>	
113-381-6002	MANAGE THE RESTORATION OF COM SVCS AS A BCT S6 ..... 3-172
113-381-6005	MANAGE THE RESTORATION OF COM SVCS AS A COMPANY COMMANDER ..... 3-175
<b>Subject Area 16: Coordinate Information Management</b>	
113-492-6002	COORDINATE INFORMATION MANAGEMENT AS A BCT S6 ..... 3-176
<b>APPENDIX A - SAMPLE TELECOMMUNICATIONS SERVICE ORDER (TSO)..... A-1</b>	
<b>APPENDIX B - DA FORM 5164-R (HANDS-ON EVALUATION)..... B-1</b>	
<b>Glossary ..... Glossary-1</b>	
<b>References ..... References-1</b>	

## PREFACE

**The Purpose:** Supervisors of officers can use this manual to evaluate an officer's performance on the job. Captains and Lieutenants and can use this manual as a reference when performing their job on a daily basis.

**The Mission:** The mission of the Signal Corps is to provide rapid and reliable information to support the command and control (C2) of the Army's combat forces during both peace and war. Signal support is the collective, integrated, and synchronized use of information systems, services, and resources. It encompasses the following disciplines: communications, automation, visual information (VI), records management, and printing and publications.

**The Role of the Signal Officer:** Inherent with the Signal Corps' mission are command, supervisory, managerial, and technical leadership for the engineering, acquisition, design, programming, installation, operation, and maintenance of information systems in both fixed and mobile configurations. From the foxhole to the White House, Signal officers' plan, direct, control, and manage signal support at all levels of the Army, which include tactical, strategic, and sustaining base operations. This requires the integration and/or interconnection of diverse types of automation, communications, VI, records management, and printing and publications equipment and systems into local area and wide area information networks.

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

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**Unless this manual states otherwise, masculine pronouns do not refer exclusively to men.**

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## CHAPTER 1

### Introduction

1-1. **GENERAL.** The Soldier training publication (STP) identifies the individual military occupational specialty (MOS) and training requirements for Soldiers in various specialties. Another source of STP task data is the General Dennis J. Reimer Training and Doctrine Digital Library at <http://www.train.army.mil/>. Commanders, trainers, and Soldiers should use the STP to plan, conduct, and evaluate individual training in units. The STP is the primary MOS reference to support the self-development and training of every Soldier in the unit. It is used with the Soldier's Manual of Common Tasks, Army Training and Evaluation Programs (ARTEPs), and FM 7-0, *Training the Force*, to establish effective training plans and programs that integrate Soldier, leader, and collective tasks. This chapter explains how to use the STP in establishing an effective individual training program. It includes doctrinal principles and implications outlined in FM 7-0. Based on these guidelines, commanders and unit trainers must tailor the information to meet the requirements for their specific unit.

1-2. **TRAINING REQUIREMENT.** Every Soldier, noncommissioned officer (NCO), warrant officer, and officer has one primary mission—to be trained and ready to fight and win our nation's wars. Success in battle does not happen by accident; it is a direct result of tough, realistic, and challenging training.

a. Operational Environment

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

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

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

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

b. How the Army Trains the Army

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

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

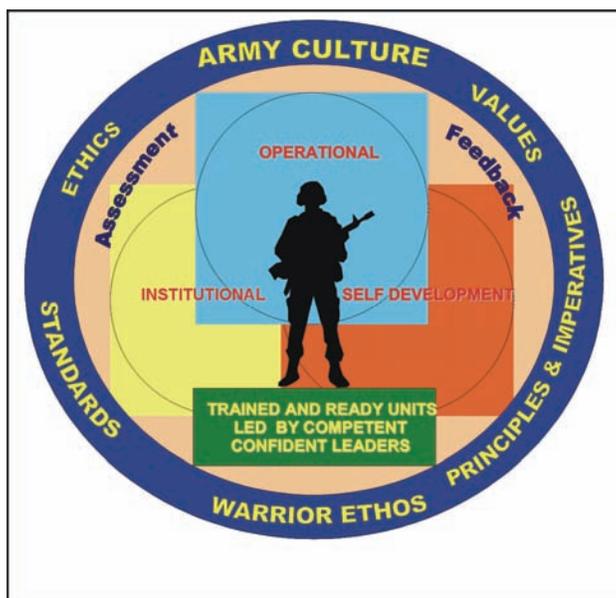


Figure 1-1. Army Training and Leader Development Model

(3) The operational domain includes home station training, CTC rotations, and joint training exercises and deployments that satisfy national objectives. Each of these actions provides foundational experiences for Soldier, leader, and unit development. The institutional domain focuses on educating and training Soldiers and leaders on the key knowledge, skills, and attributes required to operate in any environment. It includes individual, unit and joint schools, and advanced education. The self-development domain, both structured and informal, focuses on taking those actions necessary to reduce or eliminate the gap between operational and institutional experiences.

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

c. **Leader Training and Leader Development.**

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

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

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

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

(1) **Commander Responsibility.**

(a) The unit commander is responsible for the wartime readiness of all elements in the formation. The commander is, therefore, the primary trainer of the organization and is responsible for ensuring that all training is conducted in accordance with (IAW) the STP to the Army standard.

(b) Commanders ensure STP standards are met during all training. If a Soldier fails to meet established standards for identified MOS tasks, the Soldier must retrain until the tasks are performed to standard. Training to standard on MOS tasks is more important than completion of a unit-training event such as an ARTEP. The objective is to focus on sustaining MOS proficiency—this is the critical factor commanders must adhere to when training individual Soldiers units.

(2) **NCO Responsibility.**

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

## STP 11-25A-OFS

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

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

1-3. **BATTLE-FOCUSED TRAINING.** Battle focus is a concept used to derive peacetime training requirements from assigned and anticipated missions. The priority of training in units is to train to standard on the wartime mission. Battle focus guides the planning, preparation, execution, and assessment of each organization's training program to ensure its members train as they are going to fight. Battle focus is critical throughout the entire training process and is used by commanders to allocate resources for training based on wartime and operational mission requirements. Battle focus enables commanders and staffs at all echelons to structure a training program that copes with non-mission-related requirements while focusing on mission essential training activities. It is recognized that a unit cannot attain proficiency to standard on every task whether due to time or other resource constraints. However, unit commanders can achieve a successful training program by consciously focusing on a reduced number of METL tasks that are essential to mission accomplishment.

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

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

(1) Leaders conduct and evaluate training based on Army-wide training objectives and on the task standards published in the Soldier's manual task summaries or in the Reimer Digital Library. The task summaries ensure that trainers in every unit and location define task standards the same way and trainers evaluate all Soldiers to the same standards.

(2) Figure 1-2 shows how battle-focused training relates to the trainer's guide and Soldier's manual. The left column shows the steps involved in training Soldiers and the right column shows how the STP supports each of these steps.

BATTLE-FOCUS PROCESS	STP SUPPORT PROCESS
Select supporting Soldier tasks	Use TG to relate tasks to METL
Conduct training assessment	Use TG to define what Soldier tasks to assess
Determine training objectives	Use TG to set objectives
Determine strategy; plan for training	Use TG to relate Soldier tasks to strategy
Conduct pre-execution checks	Use SM task summary as source for task performance
Execute training; conduct after action review	Use SM task summary as source for task performance
Evaluate training against established standards	Use SM task summary as standard for evaluation

**Figure 1-2. Relationship of Battle-focused Training and STP**

1-4. **TASK SUMMARY FORMAT.** Task summaries outline the wartime performance requirements of each critical task in the SM. They provide the Soldier and the trainer with the information necessary to prepare, conduct, and evaluate critical task training. As a minimum, task summaries include information the Soldier must know and the skills that he must perform to standards for each task. The format of the task summaries included in this SM is as follows:

- a. **Task Number.** A 10-digit number identifies each task or skill. This task number, along with the task title, must be included in any correspondence pertaining to the task.
- b. **Task Title.** The task title identifies the action to be performed.
- c. **Conditions.** The task conditions identify all the equipment, tools, references, job aids, and supporting personnel that the Soldier needs to use to perform the task in wartime. This section identifies any environmental conditions that can alter task performance, such as visibility, temperature, or wind. This section also identifies any specific cues or events that trigger task performance, such as a chemical attack or identification of a threat vehicle.
- d. **Standards.** The task standards describe how well and to what level the task must be performed under wartime conditions. Standards are typically described in terms of accuracy, completeness, and speed.
- e. **Training and Evaluation.** The training evaluation section identifies specific actions, known as performance steps, which the Soldier must do to successfully complete the task. These actions are in the evaluation guide section of the task summary and are listed in a GO/NO GO format for easy evaluation. For some tasks, the training and evaluation section may also include detailed training information in a training information outline and an evaluation preparation section. The evaluation preparation section indicates necessary modifications to task performance in order to train and evaluate a task that cannot be trained to the wartime 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.
- f. **References.** This section identifies references that provide more detailed and thorough explanations of task performance requirements than those given in the task summary description.
- g. **Warnings.** Warnings alert users to the possibility of immediate personal injury or damage to equipment.
- h. **Notes.** Notes provide a supportive explanation or hint that relates to the performance standards.

**1-5. TRAINING EXECUTION.** All good training, regardless of the specific collective, leader, and individual tasks being executed, must comply with certain common requirements. These include adequate preparation, effective presentation and practice, and thorough evaluation. The execution of training includes preparation for training, conduct of training, and recovery from training.

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

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

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

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

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

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

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

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

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

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

**1-6. TRAINING ASSESSMENT.** Assessment is the commander's responsibility. It is the commander's judgment of the organization's ability to accomplish its wartime operational mission. Assessment is a continuous process that includes evaluating individual training, conducting an organizational assessment, and preparing a training assessment. The commander uses his experience, feedback from training evaluations, and other evaluations and reports to arrive at his assessment. Assessment is both the end and the beginning of the training management process. Training assessment is more than just training evaluation, and encompasses a wide variety of inputs. Assessments include such diverse systems as training, force integration, logistics, and personnel, and provide the link between the unit's performance and the Army standard. Evaluation of training is, however, a major component of assessment. Training evaluations provide the commander with feedback on the demonstrated training proficiency of Soldiers, leaders, battle staffs, and units. Commanders cannot personally observe all training in their organization and, therefore, gather feedback from their senior staff officers and NCOs.

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

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

## STP 11-25A-OFS

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

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

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

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

d. After Action Review. The AAR, whether formal or informal, provides feedback for all training. It is a structured review process that allows participating Soldiers, leaders, and units to discover for themselves what happened during the training, why it happened, and how it can be done better. The AAR is a professional discussion that requires the active participation of those being trained. FM 7-0 provides detailed instructions for conducting an AAR and detailed guidance on coaching and critiquing during training.

### 1-7. NCO SELF-DEVELOPMENT AND THE SOLDIER'S MANUAL

a. Self-development is one of the key components of the leader development program. It is a planned progressive and sequential program followed by leaders to enhance and sustain their military competencies. It consists of individual study, research, professional reading, practice, and self-assessment. Under the self-development concept, the NCO, as an Army professional, has the responsibility to remain current in all phases of the MOS. The SM is the primary source for the NCO to use in maintaining MOS proficiency.

b. Another important resource for NCO self-development is the Army Correspondence Course Program (ACCP). Soldiers can access the Army Correspondence Course Program online at <http://www.atsc.army.mil/accp/aipdnew.asp>.

c. General Dennis J. Reimer Training and Doctrine Digital Library is an additional resource for NCO self-development. This electronic library is the single repository of approved Army training and doctrine information. Soldiers can access the library online at <http://www.train.army.mil/>.

d. Unit learning centers are valuable resources for planning self-development programs. They can help access enlisted career maps, training support products, and extension training materials, such as field manuals (FMs) and technical manuals (TMs). It is the Soldier's responsibility to use these materials to maintain performance.

1-8. **TRAINING SUPPORT**

This manual includes the following appendixes and information that provide additional training support information.

(a) Appendix A, Sample Telecommunications Service Order (TSO).

(b) Appendix B, DA Form 5164-R (Hands-on Evaluation). This appendix contains the instructions for using DA Form 5164-R and a sample completed form for NCOs to use during evaluation of Soldiers' manual tasks.

(c) Glossary. The glossary is a single comprehensive list of acronyms, abbreviations, definitions, and letter symbols.

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

1-9. **FEEDBACK.** Recommendations for improvement of this STP are requested. Feedback will help to ensure that this STP answers the training needs of units in the field.

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## CHAPTER 2

### Area of Concentration (AOC) Training

2-1. **GENERAL.** The MOS Training Plan (MTP) identifies the essential components of a unit-training plan for individual training. Units have different training needs and requirements based on differences in environment, location, equipment, dispersion, and similar factors. Therefore, the MTP should be used as a guide for conducting unit training and not a rigid standard. The MTP shows the relationship of an MOS skill level between duty position and critical tasks. These critical tasks are grouped by task commonality into subject areas.

The MTP's Subject Area Codes list subject area numbers and titles used throughout the MTP. These subject areas are used to define the training requirements for each duty position within an MOS.

The Duty Position Training Requirements table identifies the total training requirement for each duty position within an MOS and provides a recommendation for cross training and train-up/merger training.

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

The Critical Task List table lists, by general subject areas, the critical tasks to be trained in an MOS and the type of training required (resident, integration, or sustainment).

- **Subject Area column.** This column lists the subject area number and title.
- **Task Number column.** This column lists the task numbers for all tasks included in the subject area.
- **Title column.** This column lists the task title for each task in the subject area.
- **Training Location column.** This column identifies the training location where the task is first trained to STP standards. If the task is first trained to standard in the unit, the word "Unit" will be in this column. If the task is first trained to standard in the training base, it will identify, by brevity code (ANCOC, BNCOC, etc.), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

<b>CCC</b>	Captain Career Course
<b>OBC</b>	Officer Basic Course

**Figure 2-1. Training Locations**

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

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

**Figure 2-2. Sustainment Training Frequency Codes**

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

2-2. SUBJECT AREA CODES.

**Skill Level 1**

- 1 Plan Signal Support
- 2 Plan Data Support
- 3 Plan Telephone Support
- 4 Plan Combat Net Radio (CNR) Support
- 5 Plan Information Assurance
- 6 Plan Internetwork Connectivity
- 7 Plan Communications Security (COMSEC)
- 8 Manage Signal Support
- 9 Manage Data Support
- 10 Manage Telephone Support
- 11 Manage CNR Support
- 12 Manage Information Assurance
- 13 Manage COMSEC
- 14 Manage Internetwork Connectivity
- 15 Manage the Restoration of Communications Services
- 16 Coordinate Information Management
- 17 Conduct Network Operations

**Skill Level 2**

- 1 Plan Signal Support
- 2 Plan Data Support
- 3 Plan Telephone Support
- 4 Plan CNR Support
- 5 Plan Information Assurance
- 6 Plan Internetwork Connectivity
- 7 Plan COMSEC
- 8 Manage Signal Support

- 9 Manage Data Support
- 10 Manage Telephone Support
- 11 Manage CNR Support
- 12 Manage Information Assurance
- 13 Manage COMSEC
- 14 Manage Internetwork Connectivity
- 15 Manage the Restoration of Communications Services
- 16 Coordinate Information Management

**Skill Level 3**

- 1 Plan Signal Support
- 2 Plan Data Support
- 4 Plan CNR Support
- 5 Plan Information Assurance
- 6 Plan Internetwork Connectivity
- 7 Plan COMSEC
- 8 Manage Signal Support
- 9 Manage Data Support
- 10 Manage Telephone Support
- 11 Manage CNR Support
- 12 Manage Information Assurance
- 13 Manage COMSEC
- 14 Manage Internetwork Connectivity
- 15 Manage the Restoration of Communications Services
- 16 Coordinate Information Management

2-3. CRITICAL TASKS LIST.

**AOC TRAINING PLAN  
25A CRITICAL TASKS**

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
<b>Skill Level 1</b>				
<b>Subject Area 1. Plan Signal Support</b>				
113-427-5003	PLAN SIGNAL SUPPORT AS A PLT LDR	OBC	QT	1-2
113-427-6004	PLAN SIGNAL SUPPORT AS A BN S6	OBC	QT	1-4
<b>Subject Area 2. Plan Data Support</b>				
113-463-5001	PLAN DATA SUPPORT AS A PLT LDR	OBC	QT	1-4
113-463-6001	PLAN DATA SUPPORT AS A BN S6	CCC	QT	3-4
<b>Subject Area 3. Plan Telephone Support</b>				
113-351-5001	Plan Telephone Support as a Platoon Leader	OBC	QT	1-2
113-351-6001	Plan Telephone Support as a Battalion S6	OBC	QT	1-4
<b>Subject Area 4. Plan CNR Support</b>				
113-485-6005	PLAN CNR SUPPORT AS A BN S6	OBC	QT	1-4
113-485-5002	PLAN CNR SUPPORT AS A PLT LDR	OBC	QT	1-2
<b>Subject Area 5. Plan Information Assurance</b>				
113-397-6001	PLAN INFORMATION ASSURANCE AS A BN S6	OBC	QT	1-4
<b>Subject Area 6. Plan Internetwork Connectivity</b>				
113-494-6001	PLAN INTERNETWORK CONNECTIVITY AS A BN S6	OBC	QT	1-4
<b>Subject Area 7. Plan COMSEC</b>				
113-370-5001	Plan COMSEC Support as a Platoon Leader	OBC	QT	1-2
113-370-6001	Plan COMSEC Support as a Battalion S6	OBC	QT	1-4
<b>Subject Area 8. Manage Signal Support</b>				
113-427-5004	MANAGE SIGNAL SUPPORT AS A PLT LDR	OBC	QT	1-2
113-427-6008	MANAGE SIGNAL SUPPORT AS A BN S6	OBC	QT	1-4
<b>Subject Area 9. Manage Data Support</b>				
113-463-5002	MANAGE DATA SUPPORT AS A PLT LDR	OBC	QT	1-2
113-463-6005	MANAGE DATA SUPPORT AS A BN S6	OBC	QT	1-4
<b>Subject Area 10. Manage Telephone Support</b>				
113-351-5002	Manage Telephone Support as a Platoon Leader	OBC	QT	1-2
113-351-6005	Manage Telephone Support as a Battalion S6	OBC	QT	1-4
<b>Subject Area 11. Manage CNR Support</b>				
113-485-5003	MANAGE CNR SUPPORT AS A PLT LDR	OBC	QT	1-2
113-485-6009	MANAGE CNR SUPPORT AS A BN S6	OBC	QT	1-4
<b>Subject Area 12. Manage Information Assurance</b>				
113-397-5003	MANAGE INFORMATION ASSURANCE AS A PLDR	OBC	QT	1-2
113-397-6005	MANAGE INFORMATION ASSURANCE AS A BN S6	OBC	QT	1-4

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
<b>Subject Area 13. Manage COMSEC</b>				
113-370-5002	Manage COMSEC as a Platoon Leader	OBC	QT	1-2
113-370-6005	Manage COMSEC as a Battalion S6	OBC	QT	1-4
<b>Subject Area 14. Manage Internetwork Connectivity</b>				
113-494-5001	MANAGE INTERNETWORK CONNECTIVITY AS A PLT LDR	OBC	QT	1-2
113-494-6005	MANAGE INTERNETWORK CONNECTIVITY AS A BN S6	OBC	QT	1-4
<b>Subject Area 15. Manage the Restoration of Communications Services</b>				
113-381-5001	MANAGE THE RESTORATION OF COM SVCS AS A PLT LDR	OBC	QT	1-2
113-381-6001	MANAGE THE RESTORATION OF COM SVCS AS A BN S6	OBC	QT	1-4
<b>Subject Area 16. Coordinate Information Management</b>				
113-492-6001	COORDINATE INFORMATION MANAGEMENT AS A BN S6	OBC	QT	1-4
<b>Subject Area 17. Conduct Network Operations</b>				
113-351-6004	Plan Telephone Support as a Network Operations S3	OBC	QT	1-4
113-351-6008	Manage Telephone Support as a Network Operations/S3	OBC	QT	1-4
113-370-6004	Plan COMSEC Support as a Network Operations/S3	OBC	QT	1-4
113-370-6008	Manage COMSEC as a Network Operations/S3	OBC	QT	1-4
113-381-6004	MANAGE THE RESTORATION OF COM SVCS AS A NETOPS/S3	OBC	QT	1-4
113-397-6004	PLAN INFORMATION ASSURANCE AS A NETOPS/S3	OBC	QT	1-4
113-427-6007	PLAN SIGNAL SUPPORT AS A NETOPS/S3	OBC	QT	1-4
113-427-6011	MANAGE SIGNAL SUPPORT AS A NETOPS/S3	OBC	QT	1-4
113-463-6004	PLAN DATA SUPPORT AS A NETOPS/S3	OBC	QT	1-4
113-463-6008	MANAGE DATA SUPPORT AS A NETOPS/S3	OBC	QT	1-4
113-485-6008	PLAN CNR SUPPORT AS A NETOPS/S3	OBC	QT	1-4
113-492-6004	COORDINATE INFORMATION MANAGEMENT AS A NETOPS/S3	OBC	QT	1-4
113-494-6004	PLAN INTER-NETWORK CONNECTIVITY AS A NETOPS/S3	OBC	QT	1-4
113-494-6008	MANAGE INTERNETWORK CONNECTIVITY AS A NETOPS/S3	OBC	QT	1-4
<b>Skill Level 2</b>				
<b>Subject Area 1. Plan Signal Support</b>				
113-427-6006	PLAN SIGNAL SUPPORT AS A G6/J6	CCC	QT	2-4
<b>Subject Area 2. Plan Data Support</b>				
113-463-6003	PLAN DATA SUPPORT AS A G6/J6	CCC	QT	2-4
<b>Subject Area 3. Plan Telephone Support</b>				
113-351-6003	Plan Telephone Support as a G6/J6	CCC	QT	2-4

STP 11-25A-OFS

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
<b>Subject Area 4. Plan CNR Support</b>				
113-485-6007	PLAN CNR SUPPORT AS A G6/J6	CCC	QT	2-4
<b>Subject Area 5. Plan Information Assurance</b>				
113-397-6003	PLAN INFORMATION ASSURANCE AS A G6/J6	CCC	QT	2-4
<b>Subject Area 6. Plan Internetwork Connectivity</b>				
113-494-6003	PLAN INTERNETWORK CONNECTIVITY AS A G6/J6	CCC	QT	2-4
<b>Subject Area 7. Plan COMSEC</b>				
113-370-6003	Plan COMSEC Support as a G6/J6	CCC	QT	2-4
<b>Subject Area 8. Manage Signal Support</b>				
113-427-6010	MANAGE SIGNAL SUPPORT AS A G6/J6	CCC	QT	2-4
<b>Subject Area 9. Manage Data Support</b>				
113-463-6007	MANAGE DATA SUPPORT AS A G6/J6	CCC	QT	2-4
<b>Subject Area 10. Manage Telephone Support</b>				
113-351-6007	Manage Telephone Support as a G6/J6	CCC	QT	2-4
<b>Subject Area 11. Manage CNR Support</b>				
113-485-6011	MANAGE CNR SUPPORT AS A G6/J6	CCC	QT	2-4
<b>Subject Area 12. Manage Information Assurance</b>				
113-397-6007	MANAGE INFORMATION ASSURANCE AS A G6/J6	CCC	QT	2-4
<b>Subject Area 13. Manage COMSEC</b>				
113-370-6007	Manage COMSEC as a G6/J6	CCC	QT	2-4
<b>Subject Area 14. Manage Internetwork Connectivity</b>				
113-494-6007	MANAGE INTERNETWORK CONNECTIVITY AS A G6/J6	CCC	QT	2-4
<b>Subject Area 15. Manage the Restoration of Communications Services</b>				
113-381-6003	MANAGE THE RESTORATION OF COM SVCS AS A G6/J6	CCC	QT	2-4
<b>Subject Area 16. Coordinate Information Management</b>				
113-492-6003	COORDINATE INFORMATION MANAGEMENT AS A G6/J6	CCC	QT	2-4
<b>Skill Level 3</b>				
<b>Subject Area 1. Plan Signal Support</b>				
113-427-6005	PLAN SIGNAL SUPPORT AS A BCT S6	CCC	QT	3-4
<b>Subject Area 2. Plan Data Support</b>				
113-463-6002	PLAN DATA SUPPORT AS A BCT S6	CCC	QT	3-4
<b>Subject Area 4. Plan CNR Support</b>				
113-485-6006	PLAN CNR SUPPORT AS A BCT S6	CCC	QT	3-4
<b>Subject Area 5. Plan Information Assurance</b>				
113-397-6002	PLAN INFORMATION ASSURANCE AS A BCT S6	CCC	QT	3-4

Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
<b>Subject Area 6. Plan Internetwork Connectivity</b>				
113-494-6002	PLAN INTERNETWORK CONNECTIVITY AS A BCT S6	CCC	QT	3-4
<b>Subject Area 7. Plan COMSEC</b>				
113-370-6002	Plan COMSEC Support as a Brigade Combat Team S6	CCC	QT	3-4
<b>Subject Area 8. Manage Signal Support</b>				
113-427-6009	MANAGE SIGNAL SUPPORT AS A BCT S6	CCC	QT	3-4
113-427-6012	MANAGE SIGNAL SUPPORT AS A COMPANY COMMANDER	CCC	QT	3-4
<b>Subject Area 9. Manage Data Support</b>				
113-463-6006	MANAGE DATA SUPPORT AS A BCT S6	CCC	QT	3-4
113-463-6009	MANAGE DATA SUPPORT AS A COMPANY COMMANDER	CCC	QT	3-4
<b>Subject Area 10. Manage Telephone Support</b>				
113-351-6006	Manage Telephone Support as a Brigade Combat Team S6	CCC	QT	3-4
113-351-6009	Manage Telephone Support as a Company Commander	CCC	QT	3-4
<b>Subject Area 11. Manage CNR Support</b>				
113-485-6010	MANAGE CNR SUPPORT AS A BCT S6	CCC	QT	3-4
113-485-6013	MANAGE CNR SUPPORT AS A COMPANY COMMANDER	CCC	QT	3-4
<b>Subject Area 12. Manage Information Assurance</b>				
113-397-6006	MANAGE INFORMATION ASSURANCE AS A BCT S6	CCC	SA	3-4
113-397-6009	MANAGE INFORMATION ASSURANCE AS A COMPANY COMMANDER	CCC	QT	3-4
<b>Subject Area 13. Manage COMSEC</b>				
113-370-6006	Manage COMSEC as a Brigade Combat Team S6	CCC	QT	3-4
113-370-6009	MANAGE COMSEC AS A COMPANY COMMANDER	CCC	QT	3-4
<b>Subject Area 14. Manage Internetwork Connectivity</b>				
113-494-6006	MANAGE INTERNETWORK CONNECTIVITY AS A BCT S6	CCC	QT	3-4
113-494-6009	MANAGE INTERNETWORK CONNECTIVITY AS A COMPANY COMMANDER	CCC	QT	3-4
<b>Subject Area 15. Manage the Restoration of Communications Services</b>				
113-381-6002	MANAGE THE RESTORATION OF COM SVCS AS A BCT S6	CCC	QT	3-4
113-381-6005	MANAGE THE RESTORATION OF COM SVCS AS A COMPANY COMMANDER	CCC	QT	3-4
<b>Subject Area 16. Coordinate Information Management</b>				
113-492-6002	COORDINATE INFORMATION MANAGEMENT AS A BCT S6	CCC	QT	3-4

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**CHAPTER 3**

**AOC/Skill Level Tasks**

Skill Level 1

Subject Area 1: Plan Signal Support

**PLAN SIGNAL SUPPORT AS A PLT LDR**

**113-427-5003**

**Conditions:** Using assigned personnel, equipment, higher unit operations order/fragmentary order (OPORD/FRAGO), unit standing operating procedure (SOP), applicable regulations and publications, the military decision making process (MDMP), modification table of organization and equipment (MTOE)/table of distribution and allowance (TDA), DA Form 5988-E (Equipment Inspection Maintenance Worksheet (EGA)) and commander's guidance.

**Standards:** Published the OPORD and submitted all applicable access requests IAW policy.

**Performance Steps**

1. Identify user communication requirements.
2. Perform terrain analysis.
3. Prepare Signal orders.
4. Implement higher/lower reporting procedures.
5. Coordinate task organization and command relationships of signal teams.
6. Determine higher/lower reporting procedures.
7. Coordinate security and support requirements of signal teams.

**Performance Measures (PM)**

- |  | <u>GO</u> | <u>NO-GO</u> |
|--|-----------|--------------|
| 1. Identified user communication requirements.   | —         | —            |
| a. Reviewed mission requirements.  |           |              |
| b. Reviewed unit FRAGO, OPORD, and SOP and conferred with Commander to receive further guidance.                 |           |              |
| c. Identified available communication assets.  |           |              |
| d. Compared what you have to what you need to do the mission.  |           |              |
| e. Coordinated with internal and external planning elements.   |           |              |
| (1) Internal - Develop Frequency Requests.   |           |              |
| (2) Develop Internet protocol (IP) Request.  |           |              |
| (3) External - Request outside channels for satellite communications (SATCOM) from higher headquarters (HQ).     |           |              |
| (4) Reviewed or produced satellite access request (SAR)/ground mobile forces (GMF)/gateway access request (GAR). |           |              |
| 2. Performed terrain analysis.   | —         | —            |
| a. Received unit location and transmission profiles.   |           |              |
| b. Convoyed to each grid location.   |           |              |
| c. Verified site was adequate.   |           |              |
| d. Verified transmission profiles.   |           |              |
| e. Determined line of sight/beyond line of sight (LOS/BLOS) grid coordinates.                                    |           |              |

**STP 11-25A-OFS**

<b>Performance Measures (PM)</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
f. Determined node grid coordinates.		
g. Identified site communications threats.		
3. Prepared Signal orders.	—	—
a. Coordinated with platoon (PLT) sergeant (SGT) and team chiefs. (1) Developed OPORD.		
4. Implemented higher/lower reporting procedures.	—	—
a. Received required reports/information from subordinate teams.		
b. Sent required information to higher unit, (company (CO), battalion (BN), brigade combat team (BCT)).		
5. Coordinated task organization and command relationships of signal teams.	—	—
a. Coordinated with supported units.		
(1) Verified synchronization of signal elements transfer.		
(2) Verified resources for signal teams.		
b. Briefed team chiefs and teams.		
6. Coordinated security and support requirements of signal teams.	—	—
a. Coordinated security with organic and nonorganic units.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 25-2
- FM 11-24
- FM 11-32
- FM 11-41
- FM 11-43
- FM 11-55
- FM 24-11
- FM 24-7
- FM 5-0
- FM 5-19
- FM 6-0
- FM 6-22
- FMI 6-02.45
- FMI 6-02.70

**Related**

**PLAN SIGNAL SUPPORT AS A BN S6**

**113-427-6004**

**Conditions:** As a battalion signal officer in garrison, tactical, battlefield, combat, combat support (CS), combat service support (CSS), joint/coalition, maneuver, Special Forces, Ranger, Reconnaissance, Calvary and Medical units using MDMP, higher HQ and unit OPOrd/FRAGO, unit SOP, applicable regulations, publications, IBM or compatible desktop multimedia computer, with 256 MB random access memory (RAM), 40 GB hard drive, SVGA or VGA monitor, network card, CD-RW/DVD-ROM, Windows or UNIX operating system, application software as required, network management tool (NMT) (ISYSCON, HP Open View, SNMPc, NMT, NPT, TIMS, JNMS, DPEM, RAPTer, TIVOLI, Remedy, Net Health) and commander's guidance.

**Standards:** Approved and published the Signal estimate and Annex to OPOrd which met all user requirements. Published the signal annex/OPOrd/OPLAN and submitted all applicable access requests IAW policy.

**Performance Steps**

1. Identify user communication requirements.
2. Perform terrain analysis.
3. Recommend command post (CP) locations.
4. Develop COMSEC plan.
5. Prepare Signal estimates.
6. Prepare Signal annexes.
7. Thru S3 task subordinate units in paragraph 3 (Execution) of unit OPOrd.
8. Create network diagrams (data, CNR, multiplex(er) [MUX], SWITCH, LOS and BLOS).
9. Develop frequency management plan.
10. Determine higher/lower reporting procedures.
11. Coordinate task organization and command relationships of signal teams.
12. Coordinate security and support requirements of signal teams.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Identified user communication requirements.	—	—
a. Identified frequency modulation (FM) nets.		
b. Identified number and type of users (retransmission (RETRANS), improved high frequency radio (IHFR), tactical satellite (TACSAT), COMSEC, and mobile subscriber radio terminal (MSRT)).		
2. Performed terrain analysis for LOS using any equipment or manuals necessary.	—	—
3. Recommended CP locations.	—	—
a. Reviewed OPOrd CP locations.		
b. Estimated impact of locations on communication capabilities.		
c. Determined potential adjustments to CP locations.		
d. Conducted recon of CP locations.		

**STP 11-25A-OFS**

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
4. Developed COMSEC plan.	—	—
a. Determined COMSEC requirements.		
b. Requested COMSEC from higher HQ.		
5. Prepared Signal estimates.	—	—
a. Identified communications threats.		
b. Identified available communication assets and shortfalls.		
c. Prioritized critical equipment and links.		
d. Published Signal estimate and annex to OPORD.		
6. Prepared Signal annexes.	—	—
a. Verified current enemy situation.		
b. Determined most feasible scheme of signal support.		
c. Determined subordinate unit tasks.		
d. Determined service support requirements.		
e. Disseminated annex to subordinate units within the battalion OPORD.		
7. Thru S3 tasked subordinate units in paragraph 3 (Execution) of unit OPORD.	—	—
a. Determined battalion requirements that need to be externally supported.		
b. Coordinated with S3 for appropriate tasker.		
c. Tasked subordinate units.		
d. Ensured tasked unit met tasking.		
8. Created network diagrams (data, CNR, MUX, Switch, LOS and BLOS).	—	—
a. Submitted access requests.		
b. Disseminated diagrams in OPORD or Signal Annex.		
9. Developed frequency management plan.	—	—
a. Determined frequency requirements.		
b. Requested frequencies from G6 frequency manager.		
10. Determined higher/ lower reporting procedures.	—	—
a. Gathered reporting requirements from higher HQ.		
b. Distributed reporting requirements to lower HQ.		
11. Coordinated task organization and command relationships of signal teams.	—	—
12. Coordinated security and support requirements of signal teams.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
AR 25-2	
AR 380-40	
AR 380-5	
AR 5-14	
AR 5-20	
FM 11-24	
FM 11-32	
FM 11-41	
FM 11-43	
FM 11-55	
FM 24-11	
FM 24-18	

**References**

**Required**

FM 24-7  
FM 3-0  
FM 5-0  
FM 6-0  
FMI 6-02.70  
TC 24-20

**Related**

Subject Area 2: Plan Data Support

**PLAN DATA SUPPORT AS A PLT LDR**

**113-463-5001**

**Conditions:** Using the unit Automation Information Systems (AIS) plan, applicable regulations and publications, higher HQ OPORD/operations plan (OPLAN), Unit SOP, appropriate commercial-off-the-shelf (COTS) hardware and software documentation, and local command directives.

**Standards:** Developed and approved the data network diagrams and configuration cut sheets. Published the OPORD and submitted all applicable Access/Service Requests are submitted IAW policy.

**Performance Steps**

1. Determine user software/hardware requirements.
2. Produce network topology diagram.
3. Determine transmission media specifications and requirements.
4. Plan for data network growth.

**Performance Measures**

1. Determined user software/hardware requirements.
2. Produced network topology diagram.
3. Determined transmission media specifications and requirements.
4. Planned for data network growth.

**GO**    **NO-GO**

—	—
—	—
—	—
—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

AIS PLAN  
COMMANDERS GUIDANCE  
FM 11-41  
FM 11-55  
FM 24-7

**Related**

LOCAL CMD DIRECTIVE  
MTOE AND TDA  
UNIT OPLAN  
UNIT SOP

**PLAN DATA SUPPORT AS A BN S6**

**113-463-6001**

**Conditions:** Using the unit AIS plan, applicable regulations and publications, higher HQ OPORD/OPLAN, unit SOP; appropriate COTS hardware, software, and firmware documentation; and local command directives.

**Standards:** Developed, approved, and integrated the data network diagrams and configuration cut sheets into the unit Data Support Plan; and published the Signal Annex/OPORD/OPLAN and all submitted applicable access/service requests IAW policy.

**Performance Steps**

1. Determine user software/hardware requirements.
2. Determine hardware/software shortfalls and initiated procurement process.
3. Produced a data network diagram.
4. Develop data contingency plan.
5. Determine transmission media specifications and requirements.
6. Develop automation/data network hardware/software distribution plan.
7. Plan for data network growth.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined user software/hardware requirements.	_____	_____
a. Determined user software requirements.		
(1) Reviewed unit's mission and specific/unique requirements.		
(2) Reviewed MTOE/TDA.		
(3) Obtained guidance from higher HQ.		
(4) Obtained commander's guidance.		
(5) Produced/revised user requirements document (URD) specific to software requirements.		
b. Determined user hardware requirements.		
(1) Reviewed unit's mission and specific/unique requirements.		
(2) Reviewed MTOE/TDA.		
(3) Obtained guidance from higher HQ.		
(4) Obtained commander's guidance.		
(5) Produced/revised URD specific to hardware requirements.		
2. Determined hardware/software shortfalls and initiated procurement process.	_____	_____
a. Determined shortfalls by comparing URD with hardware/software on hand.		
b. Initiated procurement process for authorized items.		
c. Gained approval to procure nonauthorized items.		
d. Initiated procurement process for authorized items.		
3. Produced a data network diagram.	_____	_____
a. Determined task organization (TO).		
b. Determined Information Systems breakout for each TO in order to establish local area networks (LANs).		
c. Determined network connectivity media.		
d. Determined logical network connections and address scheme.		
e. Determined network interface connectivity devices.		
f. Determined external gateway connectivity access point(s).		

**STP 11-25A-OFS**

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
4. Developed data contingency plan.	—	—
5. Determined transmission media specifications and requirements.	—	—
6. Developed automation/data network hardware/software distribution plan.	—	—
a. Identified incoming hardware and software.		
b. Developed priority placement matrix.		
c. Coordinated equipment signing with supply.		
d. Determined/acquired manpower requirements for transportation and placement.		
e. Coordinated transportation of equipment.		
f. Removed old equipment.		
g. Installed new hardware/software according to SOP.		
7. Planned for data network growth.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

AR 25-1  
FM 24-7  
FM 3-0  
SB 700-20

**Related**

ABCS LDRS REF GUIDE V6.2  
LOCAL CMD DIRECTIVE  
MTOE AND TDA  
SSA INSTRUCTION  
UNIT SUPPLY UPDATE  
UNIT SUPPLY UPDATE 2-14  
UNIT TOE

Subject Area 3: Plan Telephone Support

**Plan Telephone Support as a Platoon Leader**  
**113-351-5001**

**Conditions:** Using the higher HQ OPORD/OPLAN, unit SOP, appropriate telephone hardware and software documentation, and local command directives.

**Standards:** Published the OPORD and submitted all applicable Access/Service equipment requests IAW policy.

**Performance Steps**

1. Develop telephone network hardware/software distribution plan.
2. Produce phone book/extract.
3. Determine scheme for monitoring/reporting telephone network.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Developed telephone network hardware/software distribution plan.	_____	_____
a. Reviewed MTOE equipment allocations.		
b. Identified equipment availability/status.		
c. Contacted subscribers or attached users for any additional or special requirements.		
d. Reported additional requirements to the higher echelon office.		
2. Produced telephone book/extract.	_____	_____
a. Received telephone book/extract from higher echelon signal office.		
b. Reviewed subscribers (to include numbers and priorities).		
c. Submitted discrepancies to higher echelon signal office.		
3. Determined scheme for monitoring/reporting telephone network.	_____	_____
a. Established Cable/Supported User Wire Diagram.		
b. Reviewed reporting procedures.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
ARTEP 11-067-30-MTP	
FM 1-02	
FM 11-41	
FM 11-43	
FM 11-55	
FM 3-0	
FM 3-25.26	
FM 3-90	
FM 4-30.3	
FM 5-19	
FM 6-02.40	

**Plan Telephone Support as a Battalion S6  
113-351-6001**

**Conditions:** Plan telephone support for unit operations using the higher HQ OPORD/OPLAN, unit SOP, appropriate telephone hardware and software documentation and local command directives.

**Standards:** Identified, communicated, and addressed the telephone requirements for the unit by the higher echelon signal operations. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access/service requests IAW policy.

**Performance Steps**

1. Determine user telephone requirements (tactical, Voice over Internet Protocol (VoIP), plain old telephone service (POTS), etc.).
2. Determine commercial cell/satellite/host nation phone procurement requirements (COTS, Iridium, International Maritime Satellite (INMARSAT), etc.).
3. Determine requirements for multilevel telephone security (commercial, tactical, DSN, Defense Red Switch Network (DRSN)).
4. Develop telephone network hardware/software distribution plan.
5. Determine user telephone specific COMSEC requirements.
6. Develop telephone contingency plan.
7. Produce telephone book/extract.

**Performance Measures**

	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
1. Determined user telephone requirements (tactical, VoIP, POTS, etc.).	—	—
a. Reviewed warning order (WARNO)/OPORD/FRAGO for telephone requirements.		
b. Contacted users or attached users for any additional or special telephone requirements.		
c. Reported requirements to higher echelon signal office.		
2. Determined commercial cell/satellite/host nation phone procurement requirements (COTS, Iridium, INMARSAT, etc.).	—	—
a. Reviewed WARNO/OPORD/FRAGO for telephone requirements.		
b. Contacted users or attached users for any additional or special telephone requirements.		
c. Reported requirements to higher echelon signal office.		
3. Determined requirements for multilevel telephone security (commercial, tactical, DSN, DRSN).	—	—
a. Reviewed WARNO/OPORD/FRAGO for telephone.		
b. Contacted users or attached users for any additional or special telephone requirements.		
c. Reported requirements to higher echelon signal office.		
4. Developed telephone network hardware/software distribution plan.	—	—
a. Reviewed MTOE allocations.		
b. Established any specific instructions for allocations in Signal Annex.		
5. Determined user telephone specific COMSEC requirements.	—	—

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
6. Developed telephone contingency plan.	_____	_____
a. Determined priority of subscribers.		
b. Determined availability of reallocation assets.		
7. Produced telephone book/extract.	_____	_____
a. Provided higher echelon signal office with updates/extracts.		
b. Requested and received phone books from higher echelon signal office.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- FM 11-41
- FM 11-43
- FM 11-55
- FM 3-0
- FM 4-30.3
- FM 5-19
- FM 6-02.40

**Related**

Subject Area 4: Plan CNR Support

**PLAN CNR SUPPORT AS A PLT LDR**

**113-485-5002**

**Conditions:** Using an OPORD, FRAGO, unit-specific CNR equipment, map/program to conduct terrain analysis, doctrinal radio networks, unit tactical or SOP and guidance from the Commander.

**Standards:** Published the OPORD and submitted all applicable frequency and SARs IAW policy. Developed and accepted the RETRANS plan, to include alternate site(s), and RETRANS network(s) and network IDs (if applicable). Incorporated and published the Commander's Guidance, tactical SOP, unit tactics, techniques and procedures (TTPs) into the plan and took all terrain analysis into consideration.

**Performance Steps**

1. Develop a plan for RETRANS operations.
2. Perform terrain analysis.
3. Submit CNR requirements.

**Performance Measures**

1. Developed a plan for RETRANS operations.
  - a. Identified primary and alternate RETRANS sites.
    - (1) Recommended primary and alternate RETRANS sites.
  - b. Identified multiple RETRANS frequencies/nets (if applicable).
2. Performed terrain analysis.
  - a. Conducted analysis with appropriate topographical map or map datum and program.
  - b. Determined best RETRANS locations (primary and alternate) based on requirements and terrain.
3. Submitted CNR requirements.
  - a. Confirmed Voice CNR nets.
    - (1) Number of FM nets (command (CMD), operations/intelligence, administrative/logistics).
    - (2) Number of high frequency (HF) radios.
    - (3) Number of SATCOM terminals.
  - b. Confirmed unit CNR Army Data Distribution System (ADDS) requirements (Enhanced Position Location Reporting System (EPLRS), Near Term Data/Digital Radio (NTDR), ViaSat, HPW, HF e-mail).
  - c. Coordinated COMSEC issue.
    - (1) Type of COMSEC.
    - (2) Time/location and method.

**GO      NO-GO**

1. Developed a plan for RETRANS operations.	_____	_____
a. Identified primary and alternate RETRANS sites.		
(1) Recommended primary and alternate RETRANS sites.		
b. Identified multiple RETRANS frequencies/nets (if applicable).		
2. Performed terrain analysis.	_____	_____
a. Conducted analysis with appropriate topographical map or map datum and program.		
b. Determined best RETRANS locations (primary and alternate) based on requirements and terrain.		
3. Submitted CNR requirements.	_____	_____
a. Confirmed Voice CNR nets.		
(1) Number of FM nets (command (CMD), operations/intelligence, administrative/logistics).		
(2) Number of high frequency (HF) radios.		
(3) Number of SATCOM terminals.		
b. Confirmed unit CNR Army Data Distribution System (ADDS) requirements (Enhanced Position Location Reporting System (EPLRS), Near Term Data/Digital Radio (NTDR), ViaSat, HPW, HF e-mail).		
c. Coordinated COMSEC issue.		
(1) Type of COMSEC.		
(2) Time/location and method.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

FM 11-32  
FM 11-41  
FM 11-43  
FM 11-55  
FM 11-65  
FM 24-11  
FM 24-18  
FM 24-19  
FM 5-0  
MTOE AND TDA  
TC 24-20

**Related**

**PLAN CNR SUPPORT AS A BN S6**

**113-485-6005**

**Conditions:** Using the unit and higher HQ OPORD/OPLAN, unit SOP, signal operating instructions (SOI), applicable references, equipment and task organization, tactical SOP, IBM or compatible desktop multimedia computer with 256 MB RAM, 40 GB hard drive, SVGA card, VGA monitor, network card, CD-RW/DVD-ROM, Windows or UNIX operating system, ACES/JACS software, SINCGARS, PSC-5C/D, PRC-117F, MBITR, EPLRS, PRC-150/IHFR, NTDR, FBCB2, SCAMP, LMR, CNRI, ICOM/PRC-127, JTRS, ABCS, TI/TIMs, TACLANE, SATCOM, DAMA, ANCD/DTD, KOK-22, -HUS, -AKMS; NVIS, dipole, inverted-V, OE-254, COM201, QUEAMS, field expedient (antennas); in all weather, all terrain, garrison, tactical field, joint/coalition battlefield environments of CPs, tactical operation centers (TOCs), in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and Ranger units, reconnaissance units, support units and Stryker units.

**Standards:** Approved all applicable frequency and satellite requests for the CNR network that functions IAW unit OPORD/OPLAN; established and published all contingency operations; established the priority of C2 support.

**Performance Steps**

1. Identify user requirements for CNR networks.
2. Prepare network diagram (narrowband (NB) SATCOM, HF, FM, data/tactical Internet, FBCB2, EPLRS, JTRS, NTDR).
3. Update SOI/Extracts.
4. Prepare contingency COMPLANs.
5. Develop a plan for RETRANS operations.
6. Develop signal security countermeasures.
7. Determine COMSEC requirements.
8. Determine plan for COMSEC key distribution.
9. Perform terrain analysis.
10. Recommend CP locations.

**Performance Measures**

1. Identified user requirements for CNR networks.
  - a. Identified unit communications requirements for nonsignal units.
    - (1) Reviewed voice requirements.
    - (2) Reviewed data requirements.
    - (3) Reviewed HF requirements.
    - (4) Reviewed FM requirements.
    - (5) Reviewed SATCOM requirements.
    - (6) Reviewed wire/cable requirements.
    - (7) Reviewed security/COMSEC requirements.
  - b. Identified equipment capabilities and limitations.
    - (1) Reviewed FM equipment references.
    - (2) Reviewed HF equipment references.
    - (3) Reviewed SATCOM equipment references.
    - (4) Reviewed EPLRS equipment references.
    - (5) Reviewed NTDR equipment references.

**GO      NO-GO**

—              —

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
(6) Reviewed FBCB2 equipment references.		
(7) Reviewed battle-focused training (BFT) equipment references.		
2. Prepared network diagram (NB SATCOM, HF, FM, Data/Tactical Internet, FBCB2, EPLRS, JTRS, NTDR).	—	—
a. Identified all subordinate units and communications requirements.		
b. Developed CNR Network Diagrams (communications plan) COMPLAN.		
(1) Developed FM COMPLAN.		
(2) Developed HF COMPLAN.		
(3) Developed SATCOM COMPLAN.		
(4) Developed ADDS COMPLAN (FBCB2, NTDR, EPLRS, BFT).		
3. Updated SOI/Extracts.	—	—
a. Verified accuracy of unit call signs/extracts.		
b. Updated unit call signs/extracts.		
4. Prepared contingency COMPLANS.	—	—
a. Developed contingency CNR C2 network.		
b. Established cue that indicates when to switch to contingency COMPLAN.		
5. Developed a plan for RETRANS operations.	—	—
a. Identified primary and alternate RETRANS sites.		
(1) Recommended primary and alternate RETRANS sites to Commander.		
(2) Planned for casualty evacuation.		
(3) Ensured plan considers:		
- Proper site selection.		
- Security/Evacuation Plan.		
- Camouflage.		
- Destruction Plan.		
- Remote RETRANS.		
b. Identified multiple RETRANS frequencies/nets or requirements (if applicable).		
(1) Identified SINCGARS RETRANS.		
(2) Identified EPLRS RETRANS.		
(3) Identified NTDR RETRANS.		
(4) Identified SATCOM RETRANS.		
6. Developed signal security countermeasures.	—	—
a. Determined validity of electromagnetic interference (EMI); attempted to resolve at the lowest level.		
b. Submitted (Joint Spectrum Interference Resolution (JSIR) report IAW CJCSM 3320.01B.		
c. Established the electronic counter-countermeasures (ECCM).		
7. Determined COMSEC requirements.	—	—
a. Determined equipment used in COMPLAN.		
b. Requested COMSEC to support COMPLAN.		
8. Determined plan for COMSEC key distribution.	—	—
a. Established priority of COMSEC fills.		
b. Established purpose (timeline) to distribute COMSEC.		
(1) Established planned (timeline).		
(2) Established unplanned - compromise (timeline).		
c. Distributed COMSEC.		
(1) Considered hand delivered.		
(2) Considered over-the-air-rekey (OTAR).		
(3) Considered COMSEC segment change.		

## STP 11-25A-OFS

### Performance Measures

	<u>GO</u>	<u>NO-GO</u>
9. Performed terrain analysis.	_____	_____
a. Conducted analysis with appropriate topographical map or map datum and program.		
b. Determined best RETRANS locations (primary and alternate) based on requirements and terrain.		
10. Recommended CP locations.	_____	_____
a. Determined unit's scheme of maneuver (based on terrain analysis).		
b. Received approval on primary and alternate C2 coverage for corresponding CP locations.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

### References

**Required**  
AR 380-40  
FM 11-32  
FM 11-41  
FM 11-43  
FM 11-55  
FM 11-65  
FM 24-11  
FM 24-18  
FM 24-19  
FM 5-0  
TB 380-41

**Related**  
MTOE AND TDA

Subject Area 5: Plan Information Assurance

**PLAN INFORMATION ASSURANCE AS A BN S6**  
**113-397-6001**

**Conditions:** As a Signal Officer with information/COMSEC responsibilities, using assigned personnel, network equipment resources, applicable regulations and references, using OPORD/FRAGO, unit SOPs, publications, information assurance (IA) plan, Commander's guidance and a directive to implement an IA Program.

**Standards:** Ensured the network functioned without disruption from intrusion or viruses, providing a Defense in Depth (layered) solution to network security.

**Performance Steps**

1. Ensure Certification and Accreditation Packets are complete and re-accreditation occurs as required. The DOD Information Technology Security Certification and Accreditation Process (DITSCAP) identifies the set of activities in a standardized process that allows for consistent and secure network operations.
2. Ensure authorized software is installed on government computers.
3. Maintain network firewalls and Intrusion Detection Systems (IDS).
4. Provide virus protection measures and ensure virus definitions are maintained and current and the systems contain no malicious software.
5. Implement password protection mechanisms.
6. Update the network operating system and ensure the operating system includes all fixes and security patches.
7. Develop and periodically validate unit Information Management SOP.
8. Train personnel on Information Security.
9. Monitor Information Security Measures.
10. Execute notification procedures in the event of a network attack.
11. Use automated management tools to monitor and analyze the network.
12. Ensure system recovery procedures are monitored and that security features and procedures are properly restored
13. Ensure implementation of Information Assurance Vulnerability Management (IAVM) dissemination, reporting and compliance procedures.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Ensured Certification and Accreditation Packets were completed and re-accreditation occurred as required. The DITSCAP identified the set of activities in a standardized process that allowed for consistent and more secure network operations.	—	—
a. The first phase is Definition which includes documenting the system environment, threats, and individual roles in the overall process.		
b. The second phase is Verification which includes verifying system compliance with agreed security requirements.		

**STP 11-25A-OFS**

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
c. The third phase is Validation which includes evaluating the fully integrated and operational system.		
d. The fourth phase is Post-accreditation which includes monitoring system management and operations.		
2. Ensured only authorized software was installed on government computers.	—	—
3. Maintained network firewalls and IDSs.	—	—
4. Provided virus protection measures and ensured virus definitions were maintained and current, and the systems contained no malicious software.	—	—
5. Implemented password protection mechanisms.	—	—
6. Updated network operating system and ensured the operating system included all fixes and Security patches.	—	—
7. Developed and periodically validated unit Information Management SOP.	—	—
8. Trained personnel on Information Security.	—	—
9. Monitored Information Security Measures.	—	—
10. Executed Notification procedures in the event of a network attack.	—	—
11. Used automated management tools to monitor and analyze the network.	—	—
12. Ensured system recovery procedures were monitored and that security features and procedures were properly restored.	—	—
13. Ensured implementation of IAVM dissemination, reporting and compliance procedures.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

AR 25-2  
 AR 380-40  
 AR 380-5  
 AR 380-53  
 TB 380-41

**Related**

DOD DIRECTIVE C-5200.5  
 EO13231  
 NSD-42  
 NSTISSI No. 1000  
 NSTISSP No. 11  
 PUBLIC LAW 100-235  
 PUBLIC LAW 104-106

Subject Area 6: Plan Internetwork Connectivity

**PLAN INTERNETWORK CONNECTIVITY AS A BN S6**  
**113-494-6001**

**Conditions:** As a battalion S6 in garrison and tactical electronic communications environment and Joint and Coalition environments using assigned personnel, applicable regulations and publications, higher HQ OPORD/OPLAN, Unit SOP, and local command directives.

**Standards:** Developed and approved the network diagrams or configuration cut sheets. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access requests IAW policy.

**Performance Steps**

1. Determine support requirements.
2. Perform terrain analysis.
3. Determine available resources.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined support requirements.	---	---
a. Identified subscribers.		
b. Identified current and planned signal requirements from user.		
c. Identified priority requirements.		
2. Performed terrain analysis.	---	---
3. Determined available resources.	---	---
a. Identified all communications equipment.		
b. Identified any additional or special equipment needed.		
c. Identified any equipment shortfalls, not functional or unavailable.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**  
 FM 11-41  
 FM 11-43  
 FM 3-25.26  
 TC 24-20

**Related**  
 MTOE AND TDA  
 UNIT OPLAN  
 UNIT OPORD  
 UNIT Tactical SOP

Subject Area 7: Plan COMSEC

**Plan COMSEC Support as a Platoon Leader  
113-370-5001**

**Conditions:** Using assigned equipment, higher HQ OPLAN/OPORD/FRAGO, applicable regulations, publications, commander's guidance and in a garrison and tactical joint/coalition electronics communications environment.

**Standards:** Implemented the COMSEC plan which will ensure that the network was secured and COMSEC material and devices were secured/handled IAW ARs.

**Performance Steps**

1. Develop COMSEC SOP.
2. Develop accounting procedures for COMSEC/controlled cryptographic items (CCI) devices in the network.
3. Identify keying material (KEYMAT) and CCI required.
4. Identify COMSEC sub-hand receipt holders.
5. Develop KEYMAT distribution plan.
6. Develop COMSEC destruction/zeroize plan.
7. Develop Emergency COMSEC destruction plan.
8. Develop KEYMAT change over plan.
9. Identify a secure storage location for KEYMAT and CCI.
10. Develop COMSEC compromise procedures.
11. Develop COMSEC training plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Developed COMSEC SOP.	—	—
a. Developed guidelines for COMSEC users.		
b. Developed guidelines for hand receipt holder's use.		
c. Reviewed guidelines established for COMSEC users use.		
2. Developed accounting procedures for COMSEC/CCI devices in the network.	—	—
a. Identified COMSEC/CCI devices within the platoon.		
3. Identified KEYMAT and CCI required.	—	—
a. Reviewed KEYMAT and CCI on hand.		
b. Reviewed KEYMAT and CCI required for mission.		
c. Reviewed KEYMAT requests submitted to the COMSEC custodian.		
d. Reviewed CCI request submitted to unit supply.		
4. Identified COMSEC sub-hand receipt holders.	—	—
a. Reviewed list of COMSEC sub-hand receipt holders.		
b. Reviewed clearance of COMSEC sub-hand receipt holders.		

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
5. Developed COMSEC destruction/zeroize plan. a. Identified COMSEC to be held to continue mission. b. Selected destruction material to be used. c. Selected destruction area.	—	—
6. Developed KEYMAT distribution plan. a. Selected central point for KEYMAT distribution.	—	—
7. Developed KEYMAT change over plan. a. Prepared schedule of when each KEYMAT in use is to be changed over.	—	—
8. Identified a secure storage location for KEYMAT and CCI. a. Identified KEYMAT and CCI to be held for safe storage. b. Identified storage area for KEYMAT and CCI equipment.	—	—
9. Developed COMSEC compromise procedures. a. Planned report of action to report compromise.	—	—
10. Developed COMSEC training plan. a. Identified hand receipt holders and users of COMSEC material. b. Coordinated for the COMSEC custodian to train COMSEC users and hand receipt holders.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
AR 380-40	
AR 380-5	
DA PAM 25-380-2	
FM 11-32	
FM 11-43	
FM 5-0	
FM 6-0	
TB 380-41	

**Plan COMSEC Support as a Battalion S6  
113-370-6001**

**Conditions:** Using assigned equipment, higher HQ OPLAN/OPORD/FRAGO, applicable regulations and publications, and commander's guidance and in a garrison and tactical electronics and/or Joint/Coalition communications environment.

**Standards:** Approved, published, and implemented the COMSEC plan which ensured the network was secure and COMSEC material and devices were secured/handled.

**Performance Steps**

1. Develop COMSEC SOP.
2. Develop accounting procedures for COMSEC/CCI devices in the network.
3. Identify KEYMAT and CCI required.
4. Identify COMSEC sub-hand receipt holders.
5. Develop KEYMAT distribution plan.
6. Develop COMSEC destruction/zeroize plan.
7. Develop emergency COMSEC destruction plan.
8. Develop KEYMAT change over plan.
9. Identify a secure storage location for KEYMAT and CCI.
10. Develop COMSEC compromise procedures.
11. Develop COMSEC training plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Developed COMSEC SOP.	_____	_____
a. Developed guidelines for company commanders.		
b. Reviewed guidelines established for unit use.		
2. Developed accounting procedures for COMSEC/CCI devices in the network.	_____	_____
a. Identified COMSEC/CCI devices in the network diagram.		
b. Developed matrix to track COMSEC/CCI devices.		
c. Developed schedule to inventory COMSEC/CCI devices in the network.		
3. Identified KEYMAT and CCI required.	_____	_____
a. Reviewed KEYMAT and CCI requested.		
b. Reviewed KEYMAT and CCI requests submitted to the COMSEC custodian.		
c. Reviewed KEYMAT and CCI on hand or requested.		
4. Identified COMSEC sub-hand receipt holders.	_____	_____
a. Reviewed current list of COMSEC sub-hand receipt holders for accuracy.		
b. Reviewed unit's requirement for COMSEC support.		
c. Developed matrix of sub-hand receipt holders and their COMSEC requirements.		
5. Developed KEYMAT distribution plan.	_____	_____
a. Selected central point for KEYMAT distribution.		
b. Identified KEYMAT for distribution to support unit.		
c. Developed matrix for KEYMAT to be issued.		

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
d. Developed schedule to distribute KEYMAT to units.		
6. Developed COMSEC destruction/zeroize plan.	—	—
a. Identified COMSEC to be held to continue mission.		
b. Selected destruction area.		
7. Developed Emergency COMSEC destruction plan.	—	—
a. Identified COMSEC to be held to continue unit's immediate mission.		
b. Selected destruction area.		
8. Developed KEYMAT change over plan.	—	—
a. Prepared schedule of when each KEYMAT in use is to be changed over.		
b. Developed trigger for KEYMAT changed over.		
9. Identified a secure storage location for KEYMAT and CCI.	—	—
a. Identified KEYMAT and CCI to be held to for safe storage.		
b. Identified storage area for KEYMAT and CCI equipment.		
10. Developed COMSEC compromise procedures.	—	—
a. Determined effect of COMSEC compromised.		
b. Planned report of action to be taken for compromise.		
11. Developed COMSEC training plan.	—	—
a. Identified hand receipt holders and users of COMSEC material.		
b. Prepared schedule of Officers and senior NCOs to receive COMSEC hand receipt holders training from the unit COMSEC custodian.		
c. Coordinated for the COMSEC custodian to train officers and senior NCOs on COMSEC hand receipt holder responsibilities.		
d. Scheduled units to perform COMSEC training using Train-the-Trainer techniques.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 380-40
- AR 380-5
- DA PAM 25-380-2
- FM 11-43
- FM 5-0
- FM 6-0
- TB 380-41
- Unit Tactical SOP

**Related**

Subject Area 8: Manage Signal Support

**MANAGE SIGNAL SUPPORT AS A PLT LDR**

**113-427-5004**

**Conditions:** Using assigned personnel and equipment, higher HQ and unit OPORD/FRAGO, unit SOP, applicable regulations, and publications and commander's guidance in a garrison, field, battlefield, Joint/Coalition environment of CPs, TOCs, in combat, CS, or CSS units, also in maneuver units to include rear battle area, Special Forces, Ranger, Reconnaissance, Support and Stryker units under all weather conditions and terrain involved.

**Standards:** Received and disseminated the supported units with relevant information to the right place at the right time IAW OPORD/FRAGO, network diagrams, unit SOP, applicable regulations, publications and commander's guidance.

**Performance Steps**

1. Evaluate changes in user communication requirements.
2. Supervise installation of the network.
3. Monitor network status and security.
4. Managed communication assets.
5. Manage COMSEC plan.
6. Issue FRAGOs as needed.
7. Implement higher/lower reporting procedures.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Evaluated changes in user communications requirements.	—	—
a. Solicited changes in user requirements from Company Commander.		
b. Compared user requirements to assets on hand.		
c. Requisitioned additional assets if required.		
2. Supervised installation of the network.	—	—
a. Created network diagrams.		
b. Monitored installation status of links.		
3. Monitored network status and security.	—	—
a. Established site defense.		
b. Provided communications situational awareness (SA) (updates and briefs IAW unit specified SOPs).		
c. Troubleshoot the network		
4. Managed communications assets.	—	—
a. Compared available assets to support mission priorities.		
b. Reallocated Signal assets to support mission priorities (Implement network contingencies).		
c. Updated network diagrams (data, CNR, LOS and BLOS).		
d. Coordinated task organization and command relationships of signal teams.		
e. Managed bandwidth allocation.		

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
5. Managed COMSEC plan.	—	—
a. Drew and issued COMSEC.		
b. Destroyed COMSEC material.		
6. Issued FRAGOs as needed.	—	—
a. Compared current OPORD to changes that must be made to current operations to incorporate new user requirements.		
b. Generated a FRAGO.		
7. Implemented higher/lower reporting procedures.	—	—
a. Developed an SOP.		
b. Distributed Reporting Procedures SOP.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 25-2
- AR 380-5
- AR 380-53
- FM 11-32
- FM 11-55
- FM 24-7
- FM 3-0
- FM 3-21-8
- FM 3-90
- FM 5-0
- FMI 6-02.45
- TB 380-40
- TB 380-41

**Related**

**MANAGE SIGNAL SUPPORT AS A BN S6**

**113-427-6008**

**Conditions:** Using assigned personnel and equipment, higher HQ and unit OPORD/FRAGO, unit SOP, applicable regulations and publications, and commander's guidance and in all weather, all terrain, garrison, tactical field, Joint/Coalition battlefield environments of CPs, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle areas, Special Forces, ranger units, reconnaissance units, support units, and Stryker units.

**Standards:** Received and disseminated relevant information to the supported units at the right place at the right time IAW OPORD/FRAGO, network diagrams, unit SOP, applicable regulation, publications and Commander's guidance.

**Performance Steps**

1. Evaluate changes in user communication requirements.
2. Supervise installation of the network.
3. Monitor network status and security.
4. Troubleshoot the network.
5. Manage COMSEC plan.
6. Update Signal estimates.
7. Issue FRAGOs as needed.
8. Update network diagrams (Data, CNR, LOS and BLOS).
9. Manage communications assets.
10. Re-evaluate frequency plan.
11. Reallocate Signal assets to support mission priorities (implement network contingencies).
12. Implement higher/lower reporting procedures.
13. Coordinate task organization and command relationships of signal teams.
14. Provide communications SA (updates and briefs IAW unit specific SOPs).

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Evaluated changes in user communication requirements.	—	—
a. Monitored current communication requirements.		
b. Matched user requirements to resources to identify shortfalls.		
c. Evaluated the affect CP movements will have on the network.		
2. Supervised installation of the network.	—	—
a. Monitored installation of LOS systems.		
b. Monitored installation of BLOS systems.		
c. Monitored installation of Data systems.		
3. Monitored network status and security.	—	—
a. Identified potential problems in network.		
b. Identified potential threats to the network.		

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
4. Troubleshoot the network. a. Identified outages. b. Dispatched resources to outage.	—	—
5. Managed COMSEC plan. a. Issued COMSEC. b. Monitored COMSEC usage/accountability. c. Destroyed COMSEC.	—	—
6. Updated Signal estimates. a. Identified available assets and shortfalls. b. Prioritized critical equipment and links. c. Identified communications threats.	—	—
7. Issued FRAGOs as needed.	—	—
8. Updated network diagrams (Data, CNR, LOS and BLOS). a. Ensured LOS as required using LOS profiling technique. b. Updated diagrams to provide picture of current location of Signal assemblages as required (upon initial establishment of network or as mission changes and network moves).	—	—
9. Managed communications assets. a. Maintained signal assets in reserve for future missions.	—	—
10. Re-evaluated frequency plan. a. Determined if issue was co-site interference. b. Determined if issue was enemy oriented.	—	—
11. Reallocated Signal assets to support mission priorities. (Implemented network contingencies).	—	—
12. Implemented higher/lower reporting procedures. a. Reported unit status to brigade. b. Received status reports from companies.	—	—
13. Coordinated task organization and command relationships of Signal teams. a. Allocated nonorganic Signal assets to battalion or signal teams. b. Organized structure of Signal team on the basis of task performance.	—	—
14. Provided communications SA (updates and briefs IAW unit specific SOPs). a. Identified any changes to the network. b. Prioritized information briefed to higher HQ.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

#### References

**Required**  
AR 380-40  
AR 380-5  
FM 11-32  
FM 11-41  
FM 24-7  
FM 3-0  
FM 3-90

**Related**

**References**

**Required**  
 FM 5-0  
 FM 6-0

**Related**

Subject Area 9: Manage Data Support

**MANAGE DATA SUPPORT AS A PLT LDR**  
**113-463-5002**

**Conditions:** As a platoon leader in garrison, tactical field, battlefield and Joint/Coalition environments of CPs, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and ranger units, reconnaissance units, support units and Stryker units using the approved network diagrams, unit and higher HQ OPORD/OPLAN, appropriate hardware and software, unit AIS plan, applicable regulations and publications, unit SOP, appropriate COTS, and local command directives.

**Standards:** The data network functioned IAW the approved network diagrams published in the OPORD/OPLAN and met user software/hardware requirements.

**Performance Steps**

1. Direct the installation of the data network.
2. Monitor the operation of the data network (ISYSCON, TIMS, HP Open View).
3. Initiate troubleshooting of the data network.
4. Maintain the data network.
5. Manage network changes.
6. Ensure operators are trained in the operation and employment of common user software/hardware.
7. Execute reporting procedures for network security events.
8. Ensure data network/automation hardware/software distribution plan is followed.
9. Supervise data network/automation hardware/software maintenance.
10. Provide data network SA to the commander.

**Performance Measures**

	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
1. Directed the installation of the data network.	—	—
2. Monitored the operation of the data network (ISYSCON, TIMS, HP Open View).	—	—
3. Initiated troubleshooting of the data network.	—	—
4. Maintained the data network.	—	—
5. Managed network changes.	—	—
6. Ensured operators were trained in the operation and employment of common user software/hardware.	—	—
7. Executed reporting procedures for network security events.	—	—
8. Ensured data network/automation hardware/software distribution plan was followed.	—	—

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
9. Supervised data network/automation hardware/software maintenance.	—	—
10. Provided data network SA to the commander.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
COTS H/S DOCUMENTATION	
FM 3-0	
LOCAL CMD DIR	
MTOE AND TDA	

**MANAGE DATA SUPPORT AS A BN S6**

**113-463-6005**

**Conditions:** As an S6 in garrison, tactical field, joint and coalition battlefield environments of CPs, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and ranger units, reconnaissance units, support units and Stryker units using GOTS/COTS hardware/software/firmware involving the following systems: ABCS, IWS, DCTS, ADOCS, Cpof, GBS, CENTRIX/MINIS, JWARN, MTS, DSS, AKO, TACWEB, UAV, JSTARS/CGS, CNRs and telephones; IBM compatible computer systems.

**Standards:** Published the approved network diagrams (both physical and logical) in the OPOD/OPLAN and met user software/hardware requirements for the data network.

**Performance Steps**

1. Procure equipment (software/hardware).
2. Direct the installation of the data network.
3. Monitor the operation of the data network.
4. Initiate troubleshooting of the data network.
5. Maintain the data network.
6. Manage network changes.
7. Ensure operators are trained in the operation and employment of common user software/hardware.
8. Execute reporting procedures for network security events.
9. Ensure data network/automation hardware/software distribution plan is followed.
10. Supervise data network/automation hardware/software maintenance.
11. Provide data network SA to the commander.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Procured equipment (software/hardware).	—	—
a. Identified needed hardware.		
b. Identified software requirements.		
2. Directed the installation of the data network.	—	—
a. Determined the number of hosts per segment.		
b. Determined the media type per segment.		
c. Determined routing requirements.		
d. Directed the priority of installation.		
3. Monitored the operation of the data network.	—	—
4. Initiated troubleshooting of the data network.	—	—
5. Maintained the data network.	—	—
6. Managed network changes.	—	—

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
7. Ensured operators are trained in the operation and employment of common user software/hardware. a. Identified critical training tasks. b. Developed a training plan for information technology/information system skills.	—	—
8. Executed reporting procedures for network security events.	—	—
9. Ensured data network/automation hardware/software distribution plan was followed. a. Identified hardware. b. Identified software. c. Followed priority placement matrix. d. Coordinated equipment hand receipts from unit supply. e. Determined/acquired manpower needed to transport and place equipment. f. Determined transportation requirements. g. Developed plan for displaced hardware and software. h. Installed hardware/software IAW commander's guidance.	—	—
10. Supervised data network/automation hardware/software maintenance.	—	—
11. Provided data network SA to the commander.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 25-2
- COTS H/S DOCUMENTATION
- FM 3-0
- FRAGO
- MTOE AND TDA
- UNIT OPLAN
- UNIT OPORD
- UNIT SOI
- UNIT SOP

**Related**

- LOCAL CMD DIRECTIVE

Subject Area 10: Manage Telephone Support

**Manage Telephone Support as a Platoon Leader**

**113-351-5002**

**Conditions:** Manage a node center in Joint/Coalition environment using the unit and higher HQ OPORD/OPLAN, unit SOP, unit telephone book, appropriate telephone hardware and software documentation, local command directives, approved telephone network diagrams and equipment.

**Standards:** The telephone network functioned IAW with the approved telephone network diagram published in the unit OPORD/OPLAN and met user telephone requirements.

**Performance Steps**

1. Direct the installation of the telephone networks.
2. Implement telephone network hardware/software distribution plan.
3. Monitor user telephone requirements.
4. Implement user telephone security plan.
5. Activate telephone contingency plan.
6. Maintain telephone book/extract.
7. Implement/troubleshoot transmission media (SATCOM, cell, wire).
8. Implement multiple levels of telephone security support (commercial, tactical, DSN, DRSN).
9. Integrate higher, lower, adjacent telephone networks.
10. Integrate Coalition/Joint telephone support.
11. Procure cell/satellite commercial telephones (COTS, Iridium, INMARSAT).

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the telephone networks.	—	—
a. Verified placement of switches and antennas.		
b. Verified status of switch.		
c. Placed telephone call.		
2. Implemented telephone network hardware/software distribution plan.	—	—
3. Monitored user telephone requirements.	—	—
a. Monitored subscribers.		
b. Verified switch operations.		
4. Implemented user telephone security plan.	—	—
a. Verified and checked physical security.		
b. Verified and checked cryptographic equipment.		
5. Activated telephone contingency plan.	—	—
a. Verified CNR network is functional.		
6. Maintained telephone book/extract.	—	—
a. Received telephone book or extract changes.		
b. Checked for dissemination to all users.		

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
7. Implemented/troubleshoot transmission media (SATCOM, cell, wire).	—	—
8. Implemented multiple levels of telephone security support (commercial, tactical, DSN, DRSN).	—	—
9. Integrated higher, lower, adjacent telephone networks.	—	—
10. Integrated Coalition/Joint telephone support.	—	—
11. Procured cell/satellite commercial telephones (COTS, Iridium, INMARSAT).	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 190-13
- AR 380-40
- AR 380-5
- AR 380-67
- AR 700-127
- AR 700-138
- AR 700-4
- AR 700-70
- CJCSM 6231.01B
- CJCSM 6231.02B
- DA PAM 25-380-2
- FM 11-41
- FM 11-43
- FM 11-55
- FM 3-0
- FM 3-25.26
- FM 3-31.1
- FM 4-30.3
- FM 4-93.4
- FM 5-0
- FM 5-19
- TB 380-41

**Related**

**Manage Telephone Support as a Battalion S6  
113-351-6005**

**Conditions:** Using the unit and higher HQ OPORD/OPLAN, unit SOP, unit telephone book, appropriate telephone hardware and software documentation, local command directives, and approved telephone network diagrams and equipment.

**Standards:** The telephone network functioned IAW the approved telephone network diagram published in the unit OPORD/PLAN and met user telephone requirements.

**Performance Steps**

1. Direct the installation of the telephone networks.
2. Implement telephone network hardware/software distribution plan.
3. Implement user telephone security plan.
4. Activate telephone contingency plan.
5. Maintain telephone book/extract.
6. Implement/troubleshoot transmission media (SATCOM, cell, wire).
7. Implement multiple levels of telephone security support (commercial, tactical, DSN, DRSN).
8. Integrate higher, lower, adjacent telephone networks.
9. Integrate Coalition/Joint telephone support.
10. Procure cell/satellite commercial telephones (COTS, Iridium, INMARSAT).

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the telephone networks.	—	—
a. Verified placement of switches and antennas.		
b. Verified status of switch.		
c. Placed a telephone call.		
2. Implemented telephone network hardware/software distribution plan.	—	—
a. Monitored subscribers.		
b. Verified switch operations.		
3. Monitored user telephone requirements.	—	—
4. Implemented user telephone security plan.	—	—
a. Verified and checked physical security.		
b. Verified and checked cryptographic equipment.		
5. Activated telephone contingency plan.	—	—
a. Verified CNR network is functional.		
6. Maintained phone telephone book/extract.	—	—
a. Received telephone book or extract changes.		
b. Disseminated telephone book to all users.		
7. Implemented/troubleshoot transmission media (SATCOM, cell, wire).	—	—
8. Implemented multiple levels of telephone security support (commercial, tactical, DSN, DRSN).	—	—

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
9. Integrated higher, lower, adjacent telephone networks.	—	—
10. Integrated Coalition/Joint telephone support.	—	—
11. Procured cell/satellite commercial telephones (COTS, Iridium, INMARSAT).	—	—
a. Verified subscriber requirements.		
b. Submitted subscriber requirements to higher echelon signal operations office.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
FM 11-43	
FM 11-55	
FRAGO	
TACTICAL SOP	
TELEPHONE DIRECTORY	
UNIT SOP	

Subject Area 11: Manage CNR Support

**MANAGE CNR SUPPORT AS A PLT LDR**

**113-485-5003**

**Conditions:** Using the unit and higher HQ OPORD/OPLAN, unit SOP, SOI, applicable references, equipment and task organization, tactical SOP, IBM or compatible desktop multimedia computer, with 256 MB RAM, 40 GB hard drive, SVGA card, VGA monitor, network card, CD-RW/DVD-ROM, Windows or UNIX operating system, ACES/JACS Software, SINCGARS, PSC-5C/D, PRC-117F, MBITR, EPLRS, PRC-150/IHFR, NTDR, FBCB2, SCAMP, LMR, CNRI, ICOM/PRC-127 , JTRS, ABCS, TI/TIMs, TACLANE, SATCOM, DAMA, ANCD/DTD, KOK-22, -HUS, -AKMS; NVIS, dipole, inverted-V, OE-254, COM201, QUEAMS, field expedient (antennas); in all weather, all terrain, garrison, tactical field, Joint/Coalition battlefield environments of CPs, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and ranger units, reconnaissance units, support units and Stryker units.

**Standards:** Prepared and activated the CNR voice and/or data network(s) under the control of the net control station (NCS); adjusted networks to the user's requirements and if needed, activated contingency plans; updated COMSEC when appropriate; activated Contingency/Compromise plans as needed; battle tracking/MDMP as needed; and troubleshoot system as needed.

**Performance Steps**

1. Direct the installation, operation, and maintenance (IOM) of the FM network.
2. Direct the IOM of the HF network.
3. Direct the IOM of the TACSAT network.
4. Direct the IOM of the NTDR network.
5. Direct the IOM of the EPLRS network.
6. Distribute COMSEC/SOI.
7. Execute contingency COMPLAN.
8. Supervise/monitor RETRANS operations.
9. Implement signal security countermeasures (action on JSIR).

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed IOM of the FM Network.	_____	_____
a. Distributed COMSEC/SOI.		
b. Determined method to open net.		
(1) Conducted Hot Start opening.		
(2) Conducted Cold Start opening (Send Electronic Remote Fill (ERF) if required).		
c. Maintained the FM Network as the NCS.		
2. Directed the IOM of the HF network.	_____	_____
a. Ensured distribution of COMPLAN (ALE frequencies/format).		
b. Determined antenna types.		
c. Established HF Net as the NCS with respect to:		
(1) Prioritized.		
(2) Contacted time/channel.		
(3) Used voice and/or data.		

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
d. Maintained the Network. <ul style="list-style-type: none"> <li>(1) Monitored frequency/signal.</li> <li>(2) Adjusted COMPLAN as needed.</li> <li>(3) Updated COMSEC.</li> <li>(4) Troubleshoot network.</li> </ul>		
3. Directed the IOM of the TACSAT network. <ul style="list-style-type: none"> <li>a. Distributed COMSEC, frequencies (DAMA and/or single channel), azimuth and elevation.</li> <li>b. Determined antenna types.               <ul style="list-style-type: none"> <li>(1) Considered directional.</li> <li>(2) Considered omnidirectional.</li> <li>(3) Considered LOS.</li> </ul> </li> <li>c. Established SATCOM net as NCS. Prioritized, contact time/channel using voice and/or data.</li> <li>d. Maintained SATCOM Network.               <ul style="list-style-type: none"> <li>(1) Monitored channel quality.</li> <li>(2) Updated COMSEC.</li> <li>(3) Updated SATCOM network (as required).</li> <li>(4) Troubleshoot SATCOM network.</li> </ul> </li> </ul>	—	—
4. Directed the IOM of the NTDR network. <ul style="list-style-type: none"> <li>a. Distributed COMSEC/SOI.</li> <li>b. Activated the data network.               <ul style="list-style-type: none"> <li>(1) Opened the net.</li> <li>(2) Logged in all required users.</li> </ul> </li> <li>c. Maintained the network.               <ul style="list-style-type: none"> <li>(1) Monitored signal.</li> <li>(2) Adjusted COMPLAN as needed.</li> <li>(3) Updated COMSEC.</li> <li>(4) Troubleshoot network.</li> </ul> </li> </ul>	—	—
5. Directed the IOM of the EPLRS network. <ul style="list-style-type: none"> <li>a. Prepared radio sets for operation.</li> <li>b. Opened EPLRS net.               <ul style="list-style-type: none"> <li>(1) Conducted starting procedures.</li> <li>(2) Logged all terminals entering net.</li> </ul> </li> <li>c. Conducted adjacent coordination.               <ul style="list-style-type: none"> <li>(1) Requested adjacent NCS date/time.</li> </ul> </li> <li>d. Maintained the network.               <ul style="list-style-type: none"> <li>(1) Monitored systems.</li> <li>(2) Adjusted COMPLAN as needed.</li> <li>(3) Updated COMSEC.</li> <li>(4) Troubleshoot network.</li> </ul> </li> </ul>	—	—
6. Distributed COMSEC/SOI. <ul style="list-style-type: none"> <li>a. Determined method to distribute COMSEC/SOI.               <ul style="list-style-type: none"> <li>(1) Considered physical distribution.</li> <li>(2) Considered OTAR distribution.</li> </ul> </li> <li>b. Distributed COMSEC.</li> </ul>	—	—
7. Executed contingency COMPLAN. <ul style="list-style-type: none"> <li>a. Verified need for activation of communications contingency plan.               <ul style="list-style-type: none"> <li>(1) Reviewed COMSEC compromise procedures.</li> <li>(2) Reviewed radio net compromise procedures.</li> </ul> </li> </ul>	—	—

## STP 11-25A-OFS

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
b. Determined method to notify and activate contingency plan. (1) Conducted net call with encrypted instructions.		
c. Initiated net call to ensure all users in the net are active in the new plan.		
8. Supervised/monitored RETRANS operations.	_____	_____
a. Updated COMSEC as needed. (1) Conducted OTAR.		
b. Troubleshoot RETRANS. (1) Inspected grounding. (2) Inspected power systems. (3) Inspected antenna.		
c. Adjusted to scheme of maneuver. (1) Reviewed battle tracking. (2) Updated CASEVAC plan. (3) Conducted RETRANS displacement operations.		
9. Implemented signal security countermeasures (action on JSIR).	_____	_____
a. Determined validity of EMI; attempted to resolve at the lowest level.		
b. Submitted JSIR report IAW CJCSM 3320.01B.		
c. Established the ECCM.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

### References

#### Required

AR 380-40  
AR 380-5  
CJCSM 3320.01B  
FM 11-32  
FM 11-41  
FM 11-43  
FM 11-55  
FM 11-65  
FM 24-11  
FM 24-18  
FM 24-19  
FM 5-0  
FM 6-0  
Tactical SOP  
TM 11-5820-890-10-7  
TM 11-5820-890-10-8  
UNIT OPORD  
UNIT SOI  
UNIT SOP

#### Related

COMMANDERS GUIDANCE  
FRAGO

**MANAGE CNR SUPPORT AS A BN S6**

**113-485-6009**

**Conditions:** Using the unit and higher HQ OPORD/OPLAN, unit SOP, SOI, applicable references, equipment and task organization, tactical SOP, IBM or compatible desktop multimedia computer, with 256 MB RAM, 40 GB hard drive, SVGA card, VGA monitor, network card, CD-RW/DVD-ROM, Windows or UNIX operating system, ACES/JACS Software, SINCGARS, PSC-5C/D, PRC-117F, MBITR, EPLRS, PRC-150/IHFR, NTDR, FBCB2, SCAMP, LMR, CNRI, ICOM/PRC-127, JTRS, ABCS, TI/TIMs, TACLANE, SATCOM, DAMA, ANCD/DTD, KOK-22, -HUS,-AKMS; NVIS, dipole, inverted-V, OE-254, COM201, QUEAMS, field expedient (antennas); in all weather, all terrain, garrison, tactical field, Joint/Coalition battlefield environments of CP, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and ranger units, reconnaissance units, support units and Stryker units.

**Standards:** Developed, approved, and published the CNR network diagrams in the unit Signal Annex/OPORD/OPLAN and submitted all applicable frequency and SARs IAW policy.

**Performance Steps**

1. Direct the IOM of the FM network.
2. Direct the IOM of the HF network.
3. Direct the IOM of the TACSAT network.
4. Direct the IOM of the NTDR network.
5. Direct the IOM of the EPLRS network.
6. Supervise the NCS operations including OTAR.
7. Distribute COMSEC/SOI.
8. Execute contingency COMPLAN.
9. Supervise/monitor RETRANS operations.
10. Implement signal security countermeasures (action on JSIR).

**Performance Measures**

- |   | <u>GO</u> | <u>NO-GO</u> |
|---|-----------|--------------|
| 1. Directed the IOM of the FM network.  | _____     | _____        |
| a. Distributed COMSEC/SOI.  |           |              |
| b. Determined method to open net.   |           |              |
| (1) Conducted Hot Start opening.  |           |              |
| (2) Conducted Cold Start opening (send ERF if required).                                |           |              |
| c. Maintained the FM Network as the NCS.  |           |              |
| 2. Directed the IOM of the HF network.  | _____     | _____        |
| a. Ensured distribution of COMPLAN (ALE frequencies/format) and COMSEC.                 |           |              |
| b. Determined antenna types.  |           |              |
| c. Established HF net as the NCS with respect to:                                       |           |              |
| (1) Priority.   |           |              |
| (2) Contact time/channel.   |           |              |
| (3) Voice and/or data.  |           |              |
| 3. Directed the IOM TACSAT network.   | _____     | _____        |
| a. Distributed COMSEC, frequencies (DAMA and/or single channel), azimuth and elevation. |           |              |

**Performance Measures**

GO    NO-GO

- b. Determined antenna types.
  - (1) Directional.
  - (2) Omnidirectional.
  - (3) LOS.
- c. Established SATCOM network as NCS.
  - (1) Priority.
  - (2) Contact time/channel.
  - (3) Voice and/or data.
- d. Maintained SATCOM network.
  - (1) Monitored channel quality.
  - (2) Updated COMSEC.
  - (3) Updated SATCOM network (as required).
  - (4) Troubleshoot network.
  
- 4. Directed the IOM of the NTDR network.
  - a. Distributed COMSEC/SOI.
  - b. Activated the data network.
    - (1) Opened the net.
    - (2) Logged in all required users.
  - c. Maintained the network.
    - (1) Monitored Signal.
    - (2) Adjusted COMPLAN as needed.
    - (3) Updated COMSEC.
    - (4) Troubleshoot network.
  
- 5. Directed the IOM of the EPLRS network.
  - a. Prepared radio sets for operations.
  - b. Opened EPLRS net.
    - (1) Conducted starting procedures.
    - (2) Logged all terminals entering net.
  - c. Conducted adjacent coordination.
    - (1) Requested adjacent NCS date/time.
  - d. Maintained the network.
    - (1) Monitored systems.
    - (2) Adjusted COMPLAN as needed.
    - (3) Updated COMSEC.
    - (4) Troubleshoot network.
  
- 6. Supervised NCS operations to include OTAR.
  - a. Updated COMSEC as needed.
    - (1) Conducted OTAR.
  - b. Monitored CNR nets.
    - (1) FM networks.
    - (2) HF network.
    - (3) SATCOM network.
    - (4) EPLRS/BFT (FBCB2) net.
    - (5) Data network.
  - c. Troubleshoot network.
    - (1) Inspected grounding.
    - (2) Inspected power systems.
    - (3) Inspected antennas.
  - d. Adjust to scheme of maneuver.
    - (1) Reviewed battle tracking.
    - (2) Updated CASEVAC plan.
    - (3) Conducted RETRANS displacement operations.

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
7. Distributed COMSEC/SOI.	—	—
a. Determined method to distribute COMSEC/SOI.		
(1) Physical distribution.		
(2) OTAR distribution.		
b. Distributed COMSEC.		
8. Executed contingency COMPLAN.	—	—
a. Verified need for activation of communications contingency plan.		
(1) COMSEC compromise.		
(2) Radio net compromise.		
b. Determined method to notify and activate contingency plan.		
(1) Conducted net call with encrypted instructions.		
c. Initiated net call to ensure all users in network are on contingent COMPLAN, frequency and/or net.		
(1) Requested a net call.		
(2) Logged all users into net.		
(3) Assisted/troubleshooted users unable to transition to contingency plan.		
9. Supervised/monitored RETRANS operations.	—	—
a. Updated COMSEC as needed.		
(1) Conducted OTAR.		
b. Troubleshoot RETRANS.		
(1) Inspected grounding.		
(2) Inspected power systems.		
(3) Inspected antenna.		
c. Adjusted to scheme of maneuver.		
(1) Reviewed battle tracking.		
(2) Updated CASEVAC plan.		
(3) Conducted RETRANS displacement operations.		
10. Implemented signal security countermeasures (action on JSIR).	—	—
a. Determined validity of EMI; attempted to resolve at the lowest level.		
b. Submitted JSIR report IAW CJCSM 3320.01B.		
c. Established the ECCM.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
CJCSM 3320.01B	
FM 11-32	
FM 11-41	
FM 11-55	
FM 11-65	
FM 24-11	
FM 24-18	
FM 24-19	
FM 5-0	
Unit SOI	
TB 380-41	

Subject Area 12: Manage Information Assurance

**MANAGE INFORMATION ASSURANCE AS A PLT LDR**

**113-397-5003**

**Conditions:** Using assigned personnel, network equipment resources, and any additional applicable regulations and references, OPORD/FRAGO, unit SOPs, publications, IA plan, commander's guidance and a directive to implement an IA Program.

**Standards:** Ensured the network functioned without disruption from intrusion or viruses, providing a defense in depth (layered) solution to network security.

**Performance Steps**

1. Ensure certification and accreditation packets are complete and reaccreditation occurs as required. The DITSCAP identifies the set of activities in a standardized process that allows for consistent and more secure network operations.
2. Ensure only authorized software is installed on government computers.
3. Maintain network firewalls and Intrusion Detection System (IDS).
4. Provide virus protection measures and ensure virus definitions are maintained and current, and the systems contain no malicious software.
5. Implement password protection mechanisms.
6. Update network operating system and ensure the operating system includes all fixes and security patches.
7. Develop and periodically validate unit information management SOP.
8. Train personnel on information security.
9. Monitor information security measures.
10. Execute notification procedures in the event of a network attack.
11. Utilize automated management tools to monitor and analyze the network.
12. Ensure system recovery procedures are monitored and that security features and procedures are properly restored.
13. Ensure implementation of IAVM dissemination, reporting and compliance procedures.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Ensured Certification and Accreditation Packets are complete and re-accreditation occurs as required. The DITSCAP identifies the set of activities in a standardized process that allows for consistent and more secure network operations.	—	—
a. Defined the system environment, threats and individual roles in the overall process.		
b. Verified system compliance with agreed security requirements.		
c. Validated the fully integrated and operational system.		
d. Post-accredited the monitoring system management and operations.		
2. Ensured only authorized software is installed on government computers.	—	—
3. Maintained network firewalls and IDS.	—	—

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
4. Provided virus protection measures and ensured virus definitions are maintained and current, and the systems contain no malicious software.	—	—
5. Implemented password protection mechanisms.	—	—
6. Updated Network Operating System and ensured the operating system includes all fixes and security patches.	—	—
7. Developed and periodically validated unit information management SOP.	—	—
8. Trained personnel on Information Security.	—	—
9. Monitored Information Security Measures.	—	—
10. Executed notification procedures in the event of a network attack.	—	—
11. Utilized automated management tools to monitor and analyze the network.	—	—
12. Ensured system recovery procedures are monitored and that security features and procedures are properly restored.	—	—
13. Ensured implementation of IAVM dissemination, reporting and compliance procedures.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 25-2
- AR 380-40
- AR 380-5
- AR 380-53

**Related**

- DOD DIRECTIVE C-5200.5
- DOD INSTRUCTION 5200.40
- EO13231
- NSD-42
- NSTISSI No.1000
- NSTISSP No. 11
- PUBLIC LAW 100-235
- PUBLIC LAW 104-106

**MANAGE INFORMATION ASSURANCE AS A BN S6**

**113-397-6005**

**Conditions:** Using assigned personnel, network equipment resources (IBM or compatible desktop multimedia computer, with 256 MB RAM, 40 GB hard drive, SVGA card, 17" monitor, network card, CD-RW/DVD-ROM, Windows or UNIX operating system, application software to include Firewalls), applicable regulations and using unit references, such as OPORD/FRAGO, unit SOPs, publications, IA plan, Commander's guidance and a directive to implement an IA Program.

**Standards:** The network functioned without disruption from viruses and intrusions and implemented the IA plan and current IA directives across the network.

**Performance Steps**

1. Ensure all information system users have security training required at their level (user, manager, administrator) and they are provided guidance on IA requirements.
2. Protect against intentional and unintentional destruction or alteration of data.
3. Ensure IAVA directives are distributed and implemented at the user level.
4. Monitor network status and security and reporting measures to counter intrusions and viruses.
5. Implement network security and reporting measures to counter intrusions and viruses.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Ensured all information system users had security training required at their level (user, manager, administrator) and they are provided guidance on IA requirements.	—	—
2. Protected against intentional and unintentional destruction or alteration of data. <ol style="list-style-type: none"> <li>a. Enforced the policy and IA management plan that only authorized software is installed on government computers.</li> <li>b. Implemented emergency data backup and recovery plan.</li> <li>c. Complied with applicable unit COMSEC requirements.</li> <li>d. Monitored network activity.</li> </ol>	—	—
3. Ensured IAVA directives are distributed and implemented at the user level.	—	—
4. Monitored network status and security and reporting measures to counter intrusions and viruses. <ol style="list-style-type: none"> <li>a. Validated virus protection measures, definitions were maintained definitions and ensured current information systems contained no malicious software.</li> <li>b. Maintained network firewalls and IDSs.</li> </ol>	—	—
5. Implemented password protection policies.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**  
 AR 190-45  
 AR 25-1  
 AR 25-2  
 AR 380-40

**Related**  
 DOD DIRECTIVE C-5200.5  
 DOD DIRECTIVE 8500.1E  
 DOD INSTRUCTION 5200.40  
 DOD INSTRUCTION 8500.2

**References**

**Required**  
AR 380-5  
AR 380-53  
TB 380-41

**Related**  
EO13231  
NSD-42  
NSTISSI No.1000  
NSTISSP No. 11  
PUBLIC LAW 100-235  
PUBLIC LAW 104-106

Subject Area 13: Manage COMSEC

**Manage COMSEC as a Platoon Leader**

**113-370-5002**

**Conditions:** Using assigned personnel and equipment, OPLAN/OPORD/FRAGO, unit SOP, applicable regulations, publications and commander's guidance and in a Garrison and Tactical and/or Joint/Coalition electronics communications environment.

**Standards:** Secured the network and secured/handled COMSEC material IAW Army regulations.

**Performance Steps**

1. Develop COMSEC SOP.
2. Develop accounting procedures for COMSEC/CCI devices in the network.
3. Identify KEYMAT and CCI required.
4. Develop KEYMAT distribution plan.
5. Develop COMSEC destruction/zeroize plan.
6. Develop Emergency COMSEC destruction plan.
7. Develop KEYMAT change over plan.
8. Identify a secure storage location for KEYMAT and CCI.
9. Develop COMSEC compromise procedures.
10. Develop COMSEC training plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Accounted for COMSEC/CCI devices in the network. a. Identified COMSEC/CCI devices in the network. b. Developed matrix to track equipment within the network. c. Performed and recorded inventory of COMSEC/CCI devices.	___	___
2. Maintained network security through COMSEC updates. a. Identified required COMSEC updates. b. Established matrix for required COMSEC updates. c. Performed COMSEC updates as required.	___	___
3. Managed KEYMAT distribution. a. Identified KEYMAT requiring distribution. b. Developed matrix for KEYMAT to be distributed. c. Developed schedule for distribution of KEYMAT.	___	___
4. Executed COMSEC destruction/zeroize plan. a. Identified COMSEC to be held for continued use. b. Identified COMSEC to be destroyed. c. Transported COMSEC to destruction site and inventory performed. d. Destroyed COMSEC and formally recorded destruction. e. Zeroized COMSEC from equipment no longer in use.	___	___

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
5. Executed Emergency COMSEC destruction plan.	—	—
a. Identified COMSEC to be held for immediate use.		
b. Identified COMSEC to be destroyed.		
c. Transported COMSEC to destruction site and performed inventory.		
d. Destroyed COMSEC and formally recorded destruction.		
e. Zeroized COMSEC from equipment not immediately required.		
6. Executed COMSEC change over plan.	—	—
a. Identified COMSEC to be changed over.		
b. Identified effects on equipment and networks.		
c. Notified units of change over.		
d. Changed COMSEC on command.		
7. Secured/store COMSEC materials.	—	—
a. Identified COMSEC and CCI required to be secured/stored.		
b. Identified storage site to protect COMSEC and CCI material.		
c. Transported COMSEC and CCI material to storage site.		
d. Inventoried COMSEC and CCI material as required for duration of storage.		
8. Executed COMSEC compromise procedures.	—	—
a. Reported or detected possible COMSEC compromise.		
b. Determined effect of COMSEC compromise.		
c. Prepared course of action (COA) for COMSEC compromise.		
d. Implemented COA.		
9. Enforced COMSEC policies and procedures.	—	—
a. Identified COMSEC hand receipt holders and users.		
b. Prepared schedule to inspect COMSEC.		
c. Performed COMSEC inspection.		
d. Reported COMSEC inspection results to commander.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
AR 380-40	
AR 380-5	
DA PAM 25-380-2	
FM 11-32	
FM 11-43	
FM 5-0	
FM 6-0	
FM 24-32	
Tactical SOP	
TB 380-41	
UNIT SOP	

**Manage COMSEC as a Battalion S6**

**113-370-6005**

**Conditions:** Using assigned personnel and equipment, OPLAN/OPORD/FRAGO, unit SOP, applicable regulations publications and commander’s guidance in a garrison and tactical and/or Joint/Coalition electronics communications environment.

**Standards:** Secured the network and secured/handled COMSEC material IAW Army regulations.

**Performance Steps**

1. Update COMSEC SOP.
2. Account for COMSEC/CCI devices in the network.
3. Maintain network security through COMSEC updates.
4. Manage KEYMAT distribution.
5. Execute COMSEC destruction/zeroize plan.
6. Execute Emergency COMSEC destruction plan.
7. Execute COMSEC change over plan.
8. Secure/store COMSEC materials.
9. Execute COMSEC compromise procedures.
10. Enforce COMSEC policies and procedures

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Updated COMSEC SOP.	---	---
a. Established guidelines for company commanders.		
b. Reviewed guidelines established for unit use.		
c. Issued updated COMSEC SOP.		
2. Accounted for COMSEC/CCI devices in the area network.	---	---
a. Identified COMSEC/CCI devices in the area network.		
b. Developed matrix to track equipment within the area network.		
3. Maintained network security through COMSEC updates.	---	---
a. Identified required COMSEC updates.		
b. Established matrix for COMSEC updates required.		
c. Performed COMSEC updates as required.		
4. Managed KEYMAT distribution.	---	---
a. Identified KEYMAT requiring distribution.		
b. Developed matrix for KEYMAT to be distributed.		
c. Developed schedule for distribution of KEYMAT.		
5. Executed COMSEC destruction/zeroize plan.	---	---
a. Identified COMSEC to be held for continued use.		
b. Identified COMSEC to be destroyed.		
c. Transported COMSEC to destruction site and inventory performed.		
d. Destroyed COMSEC and formally recorded destruction.		
e. Zeroized COMSEC from equipment no longer in use.		

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
6. Executed Emergency COMSEC destruction plan.	—	—
a. Identified COMSEC to be held for immediate use.		
b. Identified COMSEC to be destroyed.		
c. Transported COMSEC to destruction site and performed inventory.		
d. Destroyed COMSEC and formally recorded destruction.		
e. Zeroized COMSEC from equipment not immediately required.		
7. Executed COMSEC change over plan.	—	—
a. Identified COMSEC to be changed over.		
b. Identified effects on equipment and area networks.		
c. Notified units of change over.		
d. Changed COMSEC on command.		
e. Restored equipment and area networks.		
8. Secured/stored COMSEC materials.	—	—
a. Identified COMSEC and CCI required to be secured/stored.		
b. Identified storage site to protect COMSEC and CCI material.		
c. Transported COMSEC and CCI material to storage site.		
d. Inventoried COMSEC and CCI material as required for duration of storage.		
9. Executed COMSEC compromise procedures.	—	—
a. Reported or detected possible COMSEC compromise.		
b. Ensured COMSEC Custodian or alternate verified COMSEC compromise.		
c. Determined effect of COMSEC compromise.		
d. Prepared COA for COMSEC compromise.		
e. Implemented COA.		
10. Enforced COMSEC policies and procedures.	—	—
a. Identified COMSEC hand receipt holders and users.		
b. Prepared schedule to inspect COMSEC.		
c. Performed COMSEC inspection.		
d. Reported COMSEC inspection results to commander.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
AR 380-40	
AR 380-5	
DA PAM 25-380-2	
FM 11-32	
FM 11-43	
FM 5-0	
FM 6-0	
TB 380-40	
TB 380-41	
UNIT OPLAN	
UNIT OPORD	
UNIT SOP	

Subject Area 14: Manage Internetwork Connectivity

**MANAGE INTERNETWORK CONNECTIVITY AS A PLT LDR**

**113-494-5001**

**Conditions:** As a Platoon Leader in a tactical Joint and Coalition field environment or battlefield using NPT, laptop, ISYSCON, Switches, LOS cables (CX-11230, CX-4566, RG-58), AN/TSC93, Secure Mobile Antijam Reliable Tactical Terminal (SMART-T), TSC-143, USC-60, FCC-100, PROMINA, TSC-85, multichannel/SATCOM, tropospheric scatter (TROPO), Quad-Band Dual Hub (QDHT) satellite terminal, PHOENIX, approved network diagrams, unit and higher HQ OPORD/OPLAN and applicable regulations, publications and unit SOP.

**Standards:** The network functioned IAW the approved network diagrams and OPORD/OPLAN and met user requirements.

**Performance Steps**

1. Direct the installation of the network.
2. Monitor the operation/quality of the network (ISYSCON, TIMS, HP Open View, ESOP).
3. Maintain quality of the network.
4. Manage network changes.
5. Execute reporting procedures.
6. Implement network contingency plan.
7. Supervise network maintenance.
8. Provide network SA to the commander.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the network.	—	—
a. Verified site setup.		
b. Verified correct switch initialization.		
c. Verified radio/satellite systems.		
2. Monitored the operation/quality of the network (ISYSCON, TIMS, HP Open View, ESOP).	—	—
3. Maintained quality of the network.	—	—
a. Reviewed operational switch reports.		
b. Reviewed subscriber connectivity.		
4. Managed network changes.	—	—
a. Received network changes through FRAGO.		
b. Directed switch to load changes.		
c. Verified switch and radio operational status.		
5. Executed reporting procedures.	—	—
6. Implemented network contingency plan.	—	—
a. Started necessary movement.		
b. Established new signal site location.		
c. Initialized switch, LOS, and communication equipment status.		

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
7. Supervised network maintenance.	_____	_____
a. Received switch operational status reports.		
b. Sent reports to higher echelon signal operation.		
8. Provided network SA to the commander.	_____	_____

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
ARTEP 11-067-30-MTP	FRAGO
FM 11-41	
FM 11-43	
FM 11-55	
FM 3-0	
FM 4-30.3	
FM 5-0	
FM 5-19	
FM 6-02.40	

**MANAGE INTERNETWORK CONNECTIVITY AS A BN S6**

**113-494-6005**

**Conditions:** As a Battalion S6 in a tactical field, Joint and Coalition battlefield environment using the approved network diagrams, unit and higher HQ OPORD/OPLAN and applicable regulations, publications, unit SOP, MTOE/TDA, telephone directory, maps and appropriate planning tools (markers, overlays, templates), and laptop with MS-Office software

**Standards:** The network functioned IAW the approved network diagrams and OPORD/OPLAN and met user requirements.

**Performance Steps**

1. Direct the installation of the network.
2. Monitor the operation/quality of the network.
3. Manage network changes.
4. Execute reporting procedures.
5. Implement network contingency plan.
6. Provide network SA to the commander.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the network.	—	—
a. Verified site set up (equipment placement and antenna orientation).		
b. Verified radio/satellite systems (placement, frequencies, orientation, altitude).		
2. Monitored the operation/quality of the network.	—	—
a. Reviewed and reported operational and maintenance switch status reports.		
b. Reviewed subscriber connectivity.		
3. Managed network changes.	—	—
4. Executed reporting procedures.	—	—
5. Implemented network contingency plan.	—	—
a. Started necessary movement.		
b. Established new signal site location.		
c. Verified initialization and operation of switch, LOS, and communication equipment.		
6. Provided network SA to the commander.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

- Required**  
 FM 11-41  
 FM 11-43  
 FM 11-55  
 FM 3-0  
 FM 5-0

**Related**

**References**

**Required**

FM 5-19  
FM 6-0  
FM 6-02.40  
FMI 6-02.45  
MTOE AND TDA  
Tactical SOP  
UNIT SOP

**Related**

Subject Area 15: Manage the Restoration of Communications Services

**MANAGE THE RESTORATION OF COM SVCS AS A PLT LDR**

**113-381-5001**

**Conditions:** As a platoon leader in a garrison and tactical electronics communications environment or Joint/Coalition environment using the network diagrams and tech data, network monitoring equipment, applicable regulations and unit SOP/tactical SOP.

**Standards:** Restored service to meet user network requirements.

**Performance Steps**

1. Initiate outage-reporting procedures.
2. Direct systematic isolation of outage.
3. Identify services affected by outage.
4. Identify/implement redundant capabilities/contingency plan.
5. Provide periodic updates to higher on restoral progress.
6. Identify the RFO and formulate solution.
7. Coordinate external support for corrective action as needed (DS, GS, and Contractor).
8. Implement validated solution and systematic restoration of services.
9. Document RFO, corrective action, and submit final report.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Initiated outage-reporting procedures.	—	—
a. Verified outage type.		
(1) Single Channel/Multichannel.		
(2) Voice Circuit/VOIP.		
(3) Data Circuit.		
(4) Special Circuit.		
b. Initiated contingency COMPLAN.		
2. Directed systematic isolation of outage.	—	—
a. Identified outage type.		
(1) Single/Multichannel.		
(2) Voice Circuit/VOIP.		
(3) Data Circuit.		
(4) Special Circuit.		
b. Initiated isolation of outage.		
3. Identified services affected by outage.	—	—
a. Determined type of circuits affected.		
(1) Single/Multichannel.		
(2) Voice Circuit/VOIP.		
(3) Data Circuit.		
(4) Special Circuit.		
b. Determined priority of affected circuits.		

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
4. Identified/implemented redundant capabilities/contingency plan.	—	—
a. Determined appropriate contingency communications system/plan for implementation.		
b. Implemented contingency plan.		
(1) Notified all subscribers IAW SOP about the change to the COMPLAN.		
(2) Initiated contingency plan.		
(3) Conducted a communications check to verify all subscribers on contingency COMPLAN.		
5. Provided periodic updates to higher on restoral progress.	—	—
a. Tracked progress of troubleshooting network.		
b. Periodically updated higher on troubleshooting/restoration status.		
6. Identified the RFO and formulated solution.	—	—
a. Identified cause of outage.		
(1) Internal/External Cause.		
(2) Cable/Wire/Fiber or Radio.		
(3) Interference (power/radio frequency).		
(4) COMSEC.		
b. Determined solution to restore outage.		
(1) Outage fixed at user/unit level.		
(2) Outage required contractor/direct support.		
7. Coordinated external support for corrective action as needed (DS, GS, and Contractor).	—	—
a. Determined type of external support needed.		
(1) Civilian contractor support.		
(2) Military DS/GS support.		
b. Determined if support is required on site or part(s) must be evacuated.		
(1) External support to sites.		
(2) Equipment requiring support needed to be evacuated.		
c. Coordinated with supporting agency.		
(1) Coordinated through higher headquarters.		
(2) Coordinated directly.		
8. Implemented validated solution and systematic restoration of services.	—	—
a. Notified users/subordinates of restoration.		
b. Restored outage/services.		
(1) Prioritized users.		
c. Validated restoration/net call.		
(1) Conducted CNR net call.		
(2) Tested voice/data message.		
9. Documented RFO, corrective action, and submitted final report.	—	—
a. Documented RFO.		
(1) Logged initial outage.		
(2) Logged troubleshooting outage.		
(3) Logged contingency communications activation.		
(4) Logged restoration of outage.		
b. Reported RFO.		
(1) Reported via phone.		
(2) Reported via data.		

## STP 11-25A-OFS

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

### References

#### Required

FM 5-0  
FM 11-43  
TC 24-20

#### Related

**MANAGE THE RESTORATION OF COM SVCS AS A BN S6**  
**113-381-6001**

**Conditions:** As a Battalion S6 in a garrison and tactical electronics communications environment, Joint/Coalition environment using the network diagrams and tech data, network monitoring equipment, applicable regulations and unit SOP/tactical SOP.

**Standards:** Restored service to meet user network requirements.

**Performance Steps**

1. Initiate outage-reporting procedures.
2. Direct systematic isolation of outage.
3. Identify services affected by outage.
4. Identify/implement redundant capabilities/contingency plan.
5. Provide periodic updates to higher on restoral progress.
6. Identify the RFO and formulate solution.
7. Coordinate external support for corrective action as needed (DS, GS, Contractor).
8. Implement validated solution and systematic restoration of services.
9. Document RFO, corrective action, and submit final report.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Initiated outage-reporting procedures.	—	—
a. Verified outage type.		
(1) Single Channel/Multichannel.		
(2) Voice Circuit/VOIP.		
(3) Data Circuit.		
(4) Special Circuit.		
b. Initiated contingency COMPLAN.		
2. Directed systematic isolation of outage.	—	—
a. Identified Outage Type.		
(1) Single/Multichannel.		
(2) Voice Circuit/VOIP.		
(3) Data Circuit.		
(4) Special Circuit.		
b. Initiated isolation of outage.		
3. Identified services affected by outage.	—	—
a. Determined type of circuits affected.		
(1) Single/Multichannel.		
(2) Voice Circuit/VOIP.		
(3) Data Circuit.		
(4) Special Circuit.		
b. Determined priority of affected circuits.		
4. Identified/implemented redundant capabilities/contingency plan.	—	—
a. Determined appropriate contingency communications system/plan for implementation.		
b. Implemented contingency plan.		

**STP 11-25A-OFS**

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
(1) Notified all subscribers IAW SOP about the change to the COMPLAN. (2) Initiated contingency plan. (3) Conducted a communications check to verify all subscribers on contingency COMPLAN.		
5. Provided periodic updates to higher on restoration progress. a. Tracked progress of troubleshooting network. b. Periodically updated higher on troubleshooting/restoration status.	—	—
6. Identified the RFO and formulate solution. a. Identified cause of outage. (1) Internal/External Cause. (2) Cable/Wire/Fiber or Radio. (3) Interference (power/radio frequency). (4) COMSEC. b. Determined solution to restore outage. (1) Outage fixed at user/unit level. (2) Outage required contractor/direct support.	—	—
7. Coordinated external support for corrective action as needed (DS, GS, Contractor). a. Determined type of external support needed. (1) Civilian contractor support. (2) Military DS/GS support. b. Determined if support is required on site or part(s) must be evacuated. (1) External support to sites. (2) Equipment requiring support needed to be evacuated. c. Coordinated with supporting agency. (1) Coordinated through higher. (2) Coordinated directly.	—	—
8. Implemented validated solution and systematic restoration of services. a. Notified users/subordinates of restoration. b. Restored outage/services. (1) Prioritized users. c. Validated restoration/net call. (1) Conducted CNR net call. (2) Tested voice/data message.	—	—
9. Documented RFO, corrective action, and submit final report. a. Documented RFO. (1) Logged initial outage. (2) Logged troubleshooting outage. (3) Logged contingency communications activation. (4) Logged restoration of outage. b. Reported RFO. (1) Reported via phone. (2) Reported via data.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

Tactical SOP  
TC 24-20  
UNIT OPLAN  
UNIT OPORD  
UNIT SOP

**Related**

Subject Area 16: Coordinate Information Management

**COORDINATE INFORMATION MANAGEMENT AS A BN S6**  
**113-492-6001**

**Conditions:** Using applicable regulations and publications, in a garrison and/or joint/coalition environment, higher HQ Information Management Plan (IMP), Unit SOP, appropriate GOTS and COTS hardware/software/firmware documentation/audio visual (AV) equipment and local command directives.

**Standards:** All subordinate units integrated and followed the unit commander's IMP/intent into the unit IMP and unit SOPs.

**Performance Steps**

1. Maintain relevant information (RI) SA.
2. Recommend means of Information dissemination.
3. Coordinate/facilitate timely RI dissemination management with unit staff elements.
4. Provide architecture necessary to collect, process, store, and disseminate RI to support staff C2 functions.
5. Manage CP display and AV systems.
6. Influence CP layouts IOT optimize CP functionality and signal support assets.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Maintained RI SA.	—	—
2. Recommended means of information dissemination.	—	—
3. Coordinated/facilitated timely RI dissemination management with unit staff elements.	—	—
a. Supervised automation management.		
b. Ensured nonmilitary information systems are interoperable with military information systems.		
4. Provided architecture necessary to collect, process, display, store, and disseminate RI to support C2 functions.	—	—
a. Ensured information architecture provides capabilities that meet the requirements of IMP.		
5. Managed CP display and AV systems to provide the common operational picture (COP) to all users.	—	—
a. Coordinated the staff interaction necessary to develop the COP within the CPs.		
b. Ensured all processes are supportable by command, control, communications, and computer information management (C4IM) networks.		
6. Influenced CP layouts IOT optimize CP functionality and signal support assets.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

FM 3-0

FM 5-0

FM 6-0

**Related**

Subject Area 17: Conduct Network Operations

**Plan Telephone Support as a Network Operations S3  
113-351-6004**

**Conditions:** Using the higher HQ OPORD/OPLAN, unit SOP, appropriate telephone hardware and software documentation, and local command directives.

**Standards:** Developed and approved the telephone network diagrams and configuration cut sheets. Published the Signal Annex/OPORD/OPLAN and submitted all applicable Access/Service Requests IAW policy.

**Performance Steps**

1. Determine user telephone requirements (tactical, VoIP, POTS, etc.).
2. Determine commercial cell/satellite/host nation phone procurement requirements (COTS, Iridium, INMARSAT, etc.).
3. Develop telephone network hardware/software distribution plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined user telephone requirements (tactical, VoIP, POTS, etc.).	—	—
a. Reviewed tactical SOP, OPORD sets and battle plans.		
b. Determined commercial cell/ satellite/host nation phone requirements and procurement requirements (COTS, Iridium, INMARSAT, etc.).		
c. Determined user telephone specific COMSEC requirements.		
d. Determined user telephone security policies and procedures.		
e. Determined requirements for multilevel telephone security (commercial, tactical, DSN, DRSN).		
f. Determined higher, lower and adjacent telephone network integration.		
g. Determined coalition/Joint telephone support/integration.		
2. Determined commercial cell/satellite/host nation phone procurement requirements (COTS, Iridium, INMARSAT, etc.).	—	—
3. Developed telephone network hardware/software distribution plan.	—	—
a. Developed telephone network hardware/ software distribution plan.		
b. Developed COMSEC distribution plan.		
c. Developed telephone contingency plan.		
(1) Determined priority of subscribers.		
(2) Determined availability of reallocation assets.		
d. Developed telephone book/extract.		
e. Determined profile management scheme.		
f. Prepared GAR/SAR.		
g. Developed scheme for monitoring/reporting telephone network		
h. Developed and distributed Signal Annex.		
(1) Determined user requirements to be valid.		
(2) Provided requirements to signal equipment unit to design network that meets requirements.		
(3) Received confirmation from subordinate units that mission is executable.		
(4) Received approval from commander for network.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References****Required**

AR 190-13  
AR 380-40  
AR 380-5  
AR 380-67  
AR 700-127  
AR 700-138  
AR 700-4  
AR 700-70  
DA PAM 25-380-2  
FM 1-02  
FM 11-41  
FM 11-55  
FM 3-0  
FM 3-25.26  
FM 3-31.1  
FM 34-25  
FM 3-90  
FM 4-0  
FM 4-30.3  
FM 4-93.4  
FM 5-19  
FM 6-02.40  
FM 63-2  
FM 63-21  
FM 63-3  
TB 380-41

**Related**

**Manage Telephone Support as a Network Operations/S3**

**113-351-6008**

**Conditions:** Using the unit and higher HQ OPORD/OPLAN, unit SOP, unit telephone book, appropriate telephone hardware and software documentation, local command directives, approved telephone network diagrams and equipment.

**Standards:** The telephone network functioned IAW the approved telephone network diagram published in the unit OPORD/OPLAN and met user telephone requirements.

**Performance Steps**

1. Direct the installation of the telephone networks.
2. Monitor user telephone requirements.
3. Activate telephone contingency plan.
4. Maintain telephone book/extract.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the telephone networks.	_____	_____
a. Implemented telephone network hardware/software distribution plan.		
b. Implemented telephone security plan.		
c. Implemented/troubleshoot transmission media (satellite, cellular, wire).		
d. Implemented multiple levels of telephone support (commercial, tactical, DSN, DRSN).		
e. Integrated higher, lower, adjacent telephone networks.		
f. Integrated coalition/joint telephone support.		
g. Procured cellular/satellite commercial telephones (COTS, Iridium, INMARSAT).		
2. Monitored user telephone requirements.	_____	_____
a. Reviewed common operating picture information and SA/situational understanding (SU) information.		
b. Monitored users/subscribers.		
3. Activated telephone contingency plan.	_____	_____
a. Determined COP issues requiring contingency operations (CONOPS) implementation.		
b. Notified users of CONOPS implementation.		
c. Reevaluated telephone network functionality.		
d. Provided SA/SU of telephone network to commander.		
4. Maintained phone book extract.	_____	_____
a. Regulated telephone numbering allocation.		
b. Regulated profile management.		
c. Updated special dialing instructions as the network changed when required.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References****Required**

AR 190-13  
AR 380-40  
AR 380-5  
AR 380-67  
AR 700-127  
AR 700-138  
AR 700-4  
AR 700-70  
CJCSM 6231.01C  
CJCSM 6231.02B  
DA PAM 25-380-2  
FM 1-02  
FM 11-41  
FM 11-43  
FM 11-55  
FM 3-0  
FM 3-25.26  
FM 3-31.1  
FM 34-25  
FM 3-90  
FM 4-0  
FM 4-93.4  
FM 5-19  
FM 6-02.40  
FM 63-2  
FM 63-21  
FM 63-3  
FM 71-100  
TB 380-41

**Related**

**Plan COMSEC Support as a Network Operations/S3  
113-370-6004**

**Conditions:** Using assigned equipment, higher HQ OPLAN/OPORD/FRAGO, applicable regulations and publications and commander's guidance develop a supporting COMSEC plan.

**Standards:** Implemented the COMSEC plan to secure the network and to secure/handle COMSEC material and devices IAW Army regulations. Approved and published the COMSEC plan in the OPORD/OPLAN.

**Performance Steps**

1. Develop COMSEC SOP.
2. Develop accounting procedures for COMSEC/CCI devices in the network.
3. Identify KEYMAT and CCI required.
4. Identify COMSEC sub-hand receipt holder.
5. Develop KEYMAT distribution plan.
6. Develop COMSEC destruction/zeroize plan.
7. Develop KEYMAT change over plan.
8. Identify a secure storage location for KEYMAT and CCI.
9. Identify a secure storage location for KEYMAT and CCI.
10. Develop COMSEC compromise procedures.
11. Develop COMSEC training plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Developed COMSEC SOP.	—	—
a. Developed guidelines for company commanders.		
b. Reviewed guidelines established for unit use.		
2. Developed accounting procedures for COMSEC/CCI devices in the network.	—	—
a. Identified COMSEC/CCI devices in the network diagram.		
3. Identified KEYMAT and CCI required.	—	—
a. Reviewed KEYMAT and CCI requested.		
b. Reviewed KEYMAT and CCI requests submitted to the COMSEC Custodian.		
c. Reviewed KEYMAT and CCI on hand or requested.		
4. Identified COMSEC sub-hand receipt holders.	—	—
a. Reviewed list of COMSEC sub-hand receipt holders.		
5. Developed KEYMAT distribution plan.	—	—
a. Selected central point for KEYMAT distribution.		
6. Developed COMSEC destruction/zeroize plan.	—	—
a. Identified COMSEC to be held to continue mission.		
b. Selected destruction area.		
7. Developed KEYMAT change over plan.	—	—
a. Identified COMSEC to be held to continue mission.		
b. Selected destruction area and destroyed COMSEC material.		

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
8. Developed KEYMAT change over plan.	—	—
a. Prepared schedule of when each KEYMAT in use is to be changed over.		
b. Triggered events were developed for KEYMAT that will be changed over.		
9. Identified a secure storage location for KEYMAT and CCI.	—	—
a. Identified KEYMAT and CCI to be held to for safe storage.		
b. Identified storage area for KEYMAT and CCI equipment.		
10. Developed COMSEC compromise procedures.	—	—
a. Determined effect of COMSEC compromised.		
b. Planned report of action to be taken for compromised.		
11. Developed COMSEC training plan.	—	—
a. Identified hand receipt holders and users of COMSEC material.		
b. Prepared schedule of Officers and senior NCOs to receive COMSEC hand receipt holder's training by the unit COMSEC Custodian.		
c. Coordinated for the COMSEC Custodian to train officers and senior NCOs on COMSEC hand receipt holder's responsibilities.		
d. Scheduled units to perform COMSEC training using Train-the-Trainer techniques.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 380-40
- AR 380-5
- DA PAM 25-380-2
- FM 5-0
- TB 380-41
- UNIT SOP

**Related**

**Manage COMSEC as a Network Operations/S3**

**113-370-6008**

**Conditions:** Using assigned personnel and equipment, OPLAN/OPORD/FRAGO, unit SOP, applicable regulations and publications, and commander's guidance and in a garrison and tactical and/or Joint/Coalition electronics communications environment.

**Standards:** Secured the network and secured/handled all COMSEC material and devices IAW Army regulations.

**Performance Steps**

1. Account for COMSEC/CCI devices in the network.
2. Maintain network security through COMSEC updates.
3. Manage KEYMAT distribution.
4. Execute COMSEC destruction/zeroize plan.
5. Execute Emergency COMSEC destruction plan.
6. Execute COMSEC change over plan.
7. Secure/store COMSEC materials.
8. Execute COMSEC compromise procedures.
9. Enforce COMSEC policies and procedures.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Accounted for COMSEC/CCI devices in the network.	—	—
a. Identified COMSEC/CCI devices in the network.		
b. Developed matrix to track equipment within the network.		
2. Maintained network security through COMSEC updates.	—	—
a. Identified required COMSEC updates.		
b. Established matrix for COMSEC updates required.		
c. Performed COMSEC updates as required.		
3. Managed KEYMAT distribution.	—	—
a. Identified KEYMAT requiring distribution.		
b. Developed matrix for KEYMAT to be distributed.		
c. Developed schedule for distribution of KEYMAT.		
4. Executed COMSEC destruction/zeroized plan.	—	—
a. Identified COMSEC to be held for continued use.		
b. Identified COMSEC to be destroyed.		
c. Transported COMSEC to destruction site and inventory performed.		
d. Destroyed COMSEC and formally recorded destruction.		
e. Zeroized COMSEC from equipment no longer in use.		
5. Executed Emergency COMSEC destruction plan.	—	—
6. Executed COMSEC change over plan.	—	—
a. Identified COMSEC for changed over.		
b. Identified effects on equipment and networks.		
c. Notified Units of change over.		

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
d. Changed COMSEC on command.		
e. Restored equipment and networks.		
7. Secured/stored COMSEC materials.	---	---
a. Identified COMSEC and CCI required to be secured/stored.		
b. Identified storage site to protect COMSEC and CCI material.		
c. Transported COMSEC and CCI material to storage site.		
d. Inventoried COMSEC and CCI material as required for duration of storage.		
8. Executed COMSEC compromise procedures.	---	---
a. Reported or detected possible COMSEC compromise.		
b. Ensured COMSEC Custodian or Alternate verified COMSEC compromise.		
c. Determined effect of COMSEC compromise.		
d. Prepared COA for COMSEC compromise.		
e. Implemented COA.		
9. Enforced COMSEC polices and procedures.	---	---
a. Identified COMSEC hand receipt holders and users.		
b. Prepared schedule to inspect COMSEC.		
c. Performed COMSEC inspection.		
d. Reported COMSEC inspection results to commander.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 380-40
- AR 380-5
- DA PAM 25-380-2
- FM 11-32
- FM 11-43
- FM 5-0
- FM 6-0
- FRAGO
- Tactical SOP
- TB 380-41
- UNIT OPLAN
- UNIT OPORD
- UNIT SOP

**Related**

**MANAGE THE RESTORATION OF COM SVCS AS A NETOPS/S3**

**113-381-6004**

**Conditions:** As a NETOPS S3 in a garrison and tactical electronics communications environment or Joint/Coalition environment using the network diagrams and technical data, network monitoring equipment, applicable regulations and unit SOP/tactical SOP.

**Standards:** Restored service and met user network requirements.

**Performance Steps**

1. Initiate outage-reporting procedures.
2. Direct systematic isolation of outage.
3. Identify services affected by outage.
4. Identify/implement redundant capabilities/contingency plan.
5. Provide periodic updates to higher on restoral progress.
6. Identify the RFO and formulate solution.
7. Coordinate external support for corrective action as needed (DS, GS, and Contractor).
8. Implement validated solution and systematic restoration of services.
9. Document RFO, corrective action, and submit final report.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Initiated outage-reporting procedures.	—	—
a. Verified outage type.		
(1) Single Channel/Multichannel.		
(2) Voice Circuit/VOIP.		
(3) Data Circuit.		
(4) Special Circuit.		
b. Initiated contingency COMPLAN.		
2. Directed systematic isolation of outage.	—	—
a. Identified Outage Type.		
(1) Single/Multichannel.		
(2) Voice Circuit/VOIP.		
(3) Data Circuit.		
(4) Special Circuit.		
b. Initiated isolation of outage.		
3. Identified services affected by outage.	—	—
a. Determined type of circuits affected and initiated isolation of outage.		
(1) Single/Multichannel.		
(2) Voice Circuit/VOIP.		
(3) Data Circuit.		
(4) Special Circuit.		
b. Determined priority of affected circuits.		
4. Identified/implemented redundant capabilities/contingency plan.	—	—
a. Determined appropriate contingency communications system/plan for implementation.		
b. Implemented contingency plan.		

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
(1) Notified all subscribers IAW SOP about the change to the COMPLAN. (2) Initiated contingency plan. (3) Conducted a communications check to verify all subscribers on contingency COMPLAN.		
5. Provided periodic updates to higher on restoration progress. a. Tracked progress of troubleshooting network. b. Periodically updated higher on troubleshooting/restoration status.	—	—
6. Identified the RFO and formulated solution. a. Identified cause of outage. (1) Internal/External Cause. (2) Cable/Wire/Fiber or Radio. (3) Interference (power/radio frequency). (4) COMSEC. b. Determined solution to restore outage. (1) Outage fixed at user/unit level. (2) Outage required contractor / direct support.	—	—
7. Coordinated external support for corrective action as needed (DS, GS, and Contractor). a. Determined type of external support needed. (1) Civilian contractor support. (2) Military DS/GS support. b. Determined if support is required on site or part(s) must be evacuated. (1) External support to sites. (2) Equipment requiring support needed to be evacuated. c. Coordinated with supporting agency. (1) Coordinated through higher. (2) Coordinated directly.	—	—
8. Implemented validated solution and systematic restoration of services. a. Notified users/subordinates of restoration and implemented validated solution and systematic restoration of services. b. Restore outage/services. (1) Prioritized users. c. Validated restoration/net call. (1) Conducted CNR net call. (2) Tested voice/data message.	—	—
9. Documented RFO, corrective action, and submitted final report. a. Documented RFO. (1) Logged initial outage. (2) Logged troubleshooting outage. (3) Logged contingency communications activation. (4) Logged restoration of outage. b. Reported RFO. (1) Reported via phone. (2) Reported via data.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

## **STP 11-25A-OFS**

### **References**

#### **Required**

FM 11-43  
FM 5-0  
Tactical SOP  
TC 24-20

#### **Related**

**PLAN INFORMATION ASSURANCE AS A NETOPS/S3  
113-397-6004**

**Conditions:** As a Signal Officer with information security/COMSEC responsibilities, using assigned personnel, network equipment resources, any additional applicable regulations and references, utilizing OPORD/FRAGO, unit SOPs, publications, IA plan, Commander's guidance and a directive to implement an IA Program.

**Standards:** Ensured the network functioned without disruption from intrusion or viruses, providing a Defense in Depth (layered) solution to network security.

**Performance Steps**

1. Ensure certification and accreditation packets are complete and re-accreditation occurs as required. The DITSCAP identifies the set of activities in a standardized process that allows for consistent and more secure network operations.
2. Ensure only authorized software is installed on government computers.
3. Maintain network firewalls and IDSs.
4. Provide virus protection measures and ensure virus definitions are maintained and current, and the systems contain no malicious software.
5. Implement password protection mechanisms.
6. Update NETOPS and ensure the operating system includes all fixes and security patches.
7. Develop and periodically validate unit information management SOP.
8. Train personnel on Information Security.
9. Monitor Information Security measures.
10. Execute notification procedures in the event of a network attack.
11. Use automated management tools to monitor and analyze the network.
12. Ensure system recovery procedures are monitored and that security features and procedures are properly restored.
13. Ensure implementation of IAVM dissemination, reporting and compliance procedures.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Ensured certification and accreditation packets are complete and re-accreditation occurs as required. The DITSCAP identified the set of activities in a standardized process that allowed for consistent and more secure network operations.	—	—
a. The first phase is definition; which includes documenting the system environment, threats and individual roles in the overall process.		
b. The second phase is verification; including verifying system compliance with agreed security requirements.		
c. The third phase is validation; which includes evaluating the fully integrated and operational system.		
d. The fourth phase is post-accreditation; including monitoring system management and operations.		
2. Ensured only authorized software is installed on government computers.	—	—
3. Maintained network firewalls and IDSs.	—	—

**STP 11-25A-OFS**

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
4. Provided virus protection measures and ensured virus definitions are maintained and current, and the systems contained no malicious software.	—	—
5. Implemented password protection mechanisms.	—	—
6. Updated NETOPS and ensured the operating system included all fixes and security patches.	—	—
7. Developed and periodically validated unit information management SOP.	—	—
8. Trained personnel on Information Security.	—	—
9. Monitored Information Security Measures.	—	—
10. Executed notification procedures in the event of a network attack.	—	—
11. Used automated management tools to monitor and analyze the network.	—	—
12. Ensured system recovery procedures are monitored and that security features and procedures are properly restored.	—	—
13. Ensured implementation of IAVM dissemination, reporting and compliance procedures.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 25-2
- AR 380-40
- AR 380-5
- AR 380-53
- TB 380-41

**Related**

- DOD DIRECTIVE C-5200.5
- EO13231
- NSD
- NSTISSI No. 1000
- NSTISSP No.11
- PUBLIC LAW 100-235
- PUBLIC LAW 104-106

**MANAGE INFORMATION ASSURANCE AS A NETOPS/S3  
113-397-6008**

**Conditions:** As a Signal Officer with information/communications security responsibilities, using assigned personnel, network equipment resources, any additional applicable regulations and references, using OPOD/FRAGO, unit SOPs, publications, IA plan, commander's guidance and a directive to implement an IA Program.

**Standards:** Ensure the network functioned without disruption from intrusion or viruses, providing a Defense in Depth (layered) solution to network security.

**Performance Steps**

1. Ensure all information system users have security training required at their level (user, manager, administrator) and they are provided guidance on IA requirements.
2. Protect against intentional and unintentional destruction or alteration of data.
3. Ensure IAVA directives are distributed and implemented at the user level.
4. Monitored network status and security and reporting measures to counter intrusions and viruses.
5. Implemented password protection policies.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Ensured all information system users had security training required at their level (user, manager, administrator) and they are provided guidance on IA requirements.	—	—
2. Protected against intentional and unintentional destruction or alteration of data. <ol style="list-style-type: none"> <li>a. Enforced the policy and IA management plan that only authorized software is installed on government computers.</li> <li>b. Implement emergency data backup and recovery plan.</li> <li>c. Comply with applicable unit COMSEC requirements.</li> <li>d. Monitor network activity.</li> </ol>	—	—
3. Ensured IAVA directives are distributed and implemented at the user level.	—	—
4. Monitored network status and security and reporting measures to counter intrusions and viruses. <ol style="list-style-type: none"> <li>a. Validate virus protection measures, definitions are maintained and current and information systems contain no malicious software.</li> <li>b. Maintain network firewalls and IDS.</li> </ol>	—	—
5. Implemented password protection policies.	—	—

**Evaluation Guidance:** Score the soldier a GO if all PMs are passed. Score the soldier a NO-GO if any PM is failed. If the soldier fails any PM, show what was done wrong and how to do it correctly. Have the soldier perform the PMs until they are done correctly.

## **STP 11-25A-OFS**

### **References**

#### **Required**

AR 25-2  
AR 380-40  
AR 380-5  
AR 380-53  
TB 380-41

#### **Related**

DOD DIRECTIVE C-5200.5  
EO13231  
NSD-42  
NSTISSI No. 1000  
NSTISSP No. 11  
PUBLIC LAW 100-235  
PUBLIC LAW 104-106

**PLAN SIGNAL SUPPORT AS A NETOPS/S3  
113-427-6007**

**Conditions:** Using assigned personnel, equipment, higher unit OPORD/FRAGO, unit SOP, applicable regulations and publications, the MDMP and commander's guidance.

**Standards:** Approved and published the Signal estimate and annex to the OPORD and met all user requirements. Published the Signal Annex/OPORD/PLAN and submitted all applicable access requests IAW policy.

**Performance Steps**

1. Identify user communication requirements.
2. Perform terrain analysis.
3. Prepare Signal plans.
4. Prepare Signal annexes.
5. Prepare Signal orders.
6. Thorough S3/G3/J3 task subordinate units in paragraph 3 (Execution) of unit OPORD.
7. Create network diagrams (Data, CNR, MUX, Switch, LOS and BLOS).
8. Supervise production of the IMP.
9. Develop frequency management plan.
10. Identify available communication assets and shortfalls.
11. Prioritize critical equipment and links.
12. Identify communications threats.
13. Determine higher/lower reporting procedures.
14. Determine special services requirements (VTC, GBS, DCTS, IWS, CIE, etc.).
15. Plan contractor support.
16. Coordinate task organization and command relationships of signal teams.
17. Coordinate security and support requirements of signal teams.
18. Plan bandwidth allocation.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Identified user communication requirements.	_____	_____
a. Verified that S6s have accurate user communication requirements from all authorized users.		
b. Analyzed all requirements for appropriateness and completeness.		
c. Ensured request fits within capabilities of assigned equipment.		
d. Ensured S6s understand all requirements and any impact on mission.		
2. Performed terrain analysis.	_____	_____
a. Used analysis to place subscriber support.		

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
3. Prepared Signal plans. a. Reviewed subordinate OPORDs for appropriate signal plans. b. Recommended appropriate improvements to S6s.	—	—
4. Prepared Signal annexes. a. Reviewed subordinate OPORDs for appropriate signal annexes. b. Recommended appropriate improvements to S6s.	—	—
5. Prepared Signal orders. a. Reviewed subordinate OPORDs for appropriate signal annexes. b. Recommended appropriate improvements to S6s.	—	—
6. Through S3/G3/J3 task subordinated units in paragraph 3 (Execution) of unit OPORD.	—	—
7. Created network diagrams (Data, CNR, MUX, Switch, LOS and BLOS). a. Ensured S6s used all supporting requirements and directives in developing the diagrams. b. Verified all diagrams meet unit standards for completeness and clarity. c. Recommended improvements to S6s.	—	—
8. Supervised production of the IMP. a. Ensured IMP meets all requirements and directives.	—	—
9. Developed frequency management plan. a. Verified that S6 plans meet all network and user requirements. b. Developed recommendations for plan improvements.	—	—
10. Identified available communication assets and shortfalls. a. Verified that S6s understand what assets they have and what shortfalls exist.	—	—
11. Prioritized critical equipment and links. a. Verified proper prioritization of equipment and links. b. Recommended adjustments as needed.	—	—
12. Identified communications threats. a. Verified that S6s understand threats and countermeasures.	—	—
13. Determined higher/lower reporting procedures. a. Gathered reporting requirements from higher headquarters. b. Distributed reporting requirements to lower headquarters.	—	—
14. Determined special services requirements (VTC, GBS, DCTS, IWS, CIE, etc.). a. Gathered user requirements for special services. b. Understood all requirements for special services.	—	—
15. Planned contractor support. a. Collected and understood contractor requirements. b. Understood all relevant contractor relationships and service agreements. c. Established communications with relevant contractors.	—	—
16. Coordinated task organization and command relationships of signal teams. a. Determined which asset best supports each unit.	—	—
17. Coordinated security and support requirements of signal teams. a. Coordinated security and support requirements of signal teams. b. Understood security and support requirements of all division HQ and battalion signal teams.	—	—

**Performance Measures**

GO    NO-GO

- c. Communicated requirements to supporting units.
- d. Ensured security and support requirements are met at all units.

18. Planned bandwidth allocation.

\_\_\_\_\_

- a. Determined priority users in network.
- b. Determined high bandwidth usage equipment.

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

**Related**

- FM 1-02
- FM 11-32
- FM 11-43
- FM 11-55
- FM 24-7
- FM 5-0
- FMI 6-02.45
- Tactical Unit SOP

**MANAGE SIGNAL SUPPORT AS A NETOPS/S3**

**113-427-6011**

**Conditions:** Using assigned personnel and equipment, higher HQ and unit OPORD/FRAGO, unit SOP, applicable regulations, publications and commander's guidance, Network Management Tool (ISYSCON, HP Open View, SNMPc, NMT, NPT, TIMS, JNMS, DPEM, RAPTer, TIVOLI, Remedy, Net Health) CISCO Works, What's Up Gold, AN/TTC-47, AN/TTC-46, JNN, AN/TTC-56, AN/TTC-50, AN/TYC-76 (ISYSCON) and in all weather, terrain, garrison, tactical field, Joint/Coalition battlefield, environments or CP, TOCs, in signal units to include Special Forces, Stryker, unit of action (UA), UEx, UEy, and joint/coalition units.

**Standards:** The supported units received and disseminated relevant information to the right place at the right time IAW OPORD/FRAGO, network diagrams, unit SOP, applicable regulations, publications and commander's guidance.

**Performance Steps**

1. Evaluate changes in user communication requirements.
2. Supervise installation of the network.
3. Monitor network status and security.
4. Troubleshoot the network.
5. Manage COMSEC plan.
6. Update Signal plans.
7. Issue FRAGOs as needed.
8. Update network diagrams (data, CNR, LOS and BLOS).
9. Manage bandwidth allocation.
10. Manage communications assets.
11. Reevaluate frequency plan.
12. Implement higher/lower reporting procedures.
13. Coordinate task organization and command relationships of signal teams.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Evaluated changes in user communication requirements.	_____	_____
a. Solicited changes in user requirements from S6/G6.		
b. Evaluated impact of user changes on network.		
2. Supervised installation of the network.	_____	_____
a. Monitored installation status of switches and links.		
b. Identified network installation problems.		
c. Initiated troubleshooting sets to resolve network problems.		
3. Monitored network status and security.	_____	_____
a. Identified link/switch outages.		
b. Initiated troubleshooting for problem links/switches.		
c. Identified security vulnerabilities.		
d. Initiated changes to IA policies to eliminate vulnerabilities.		
e. Provided communications SA (updates and briefs IAW unit specific SOPs).		

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
4. Troubleshoot the network.	---	---
a. Identified source of problem.		
b. Troubleshoot link/switch/network.		
c. Initiated corrective action.		
5. Managed COMSEC plan.	---	---
a. Accounted for COMSEC/CCI devices in the network.		
b. Enforced COMSEC polices and procedures.		
c. Executed COMSEC change over plan.		
6. Updated Signal plans.	---	---
a. Identified required network changes.		
b. Evaluated existing signal plan for impact of changes.		
c. Published new signal plan.		
7. Issued FRAGOs as needed.	---	---
a. Coordinated with staff sections for changes in taskings or coordinating information.		
b. Published changes in unit FRAGO.		
8. Updated network diagrams (data, CNR, LOS and BLOS).	---	---
a. Identified planned changes to network.		
b. Identified network link status.		
c. Updated network diagram.		
9. Managed bandwidth allocation.	---	---
a. Identified user requirement and priority.		
b. Allocated bandwidth.		
c. Evaluated bandwidth use.		
10. Managed communications assets.	---	---
a. Maintained unit equipment status report.		
b. Evaluated intelligence reports for affect on unit assets.		
c. Directed movement of assemblages in response to equipment failure, intelligence reports, or mission change.		
d. Reallocated signal assets to support mission priorities (Implement network contingencies).		
11. Reevaluated frequency plan.	---	---
a. Identified frequency conflicts in area of operations (AO).		
b. Supervised allocation of new frequencies.		
12. Implemented higher/lower reporting procedures.	---	---
a. Identified commander's critical information requirements and essential elements of friendly information.		
b. Established reporting procedures to meet information requirements.		
c. Collected /disseminated critical information to higher and lower units.		
13. Coordinated task organization and command relationships of signal teams.	---	---
a. Identified allocation of assets to supported units.		
b. Recommended task organization and command relationship structure to include asset distribution requirements.		
c. Implemented recommendations.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

## STP 11-25A-OFS

### References

#### Required

AR 25-1  
AR 25-2  
AR 380-40  
AR 380-5  
FM 11-24  
FM 11-32  
FM 11-41  
FM 11-43  
FM 11-55  
FM 24-11  
FM 24-7  
FMI 6-02.70

#### Related

**PLAN DATA SUPPORT AS A NETOPS/S3  
113-463-6004**

**Conditions:** In a Battalion S6, BCT S6, UEx/UEy G6, network extension platoon leader, HQ/network platoon leader, main support platoon leader, NETOPS OFF position, and in all weather, terrain, garrison, joint and coalition battlefield environments of CPs, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and Ranger units, reconnaissance units, support units and Stryker units, and using hardware, software, firmware involving the following systems: ABCS, IWS, DCTS, ADOCS, Cprof, GBS, CENTRIX/Multinational Information Sharing (MNIS), JWARN, MTS, DSS, AKO, TACWEB, UAV, JSTARS/CGS, CNRs, telephones and IBM compatible computer systems.

**Standards:** The data network diagrams and configuration cut sheets have been developed and approved. The Signal Annex/OPORD/OPLAN is published and all applicable access/service requests are submitted IAW policy.

**Performance Steps**

1. Determine user software/hardware requirements by required level of security (Nonsecure Internet Protocol Router (NIPR), secure Internet Protocol Router (SIPR), Joint Worldwide Intelligence Communications System (JWICS), MNIS).
2. Determine requirement shortfalls and initiate procurement processes necessary for network to meet supported unit's requirements.
3. Determine bandwidth requirements.
4. Recommend bandwidth apportionment.
5. Produce network topology diagram.
6. Develop data contingency plan.
7. Design IP routing scheme.
8. Determine transmission media specifications and requirements.
9. Prepare and submit GAR.
10. Plan the integration of higher, lower, adjacent networks.
11. Plan coalition/Joint network support/integration.
12. Design server support plan/configuration scheme.
13. Develop automation/data network hardware/software distribution plan.
14. Plan for data network growth.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined user software/hardware requirements by required level of security (NIPR, SIPR, JWICS, MNIS).	—	—
2. Determined requirement shortfalls and initiated procurement processes necessary for network to meet supported unit's requirements.	—	—
3. Determined bandwidth requirements.	—	—
4. Recommended bandwidth apportionment.	—	—
5. Produced network topology diagram.	—	—

## STP 11-25A-OFS

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
6. Developed data contingency plan.	—	—
7. Designed IP routing scheme.	—	—
8. Determined transmission media specifications and requirements.	—	—
9. Prepared and submit GAR.	—	—
10. Planned the integration of higher, lower, adjacent networks.	—	—
11. Planned coalition/Joint network support/integration.	—	—
12. Designed server support plan/configuration scheme.	—	—
13. Developed automation/data network hardware/software distribution plan.	—	—
a. Identified incoming hardware and software.		
b. Developed priority placement matrix.		
c. Coordinated equipment signing from supply.		
d. Determined/acquired manpower requirements for transportation and placement.		
e. Coordinated transportation of equipment.		
f. Removed old equipment.		
g. Installed new hardware/software according to SOP.		
14. Planned for data network growth.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

### References

#### **Required**

AR 25-1  
COMMANDERS GUIDANCE  
FM 11-55  
FM 3-0  
INFO MANAGEMENT PLAN  
LOCAL CMD DIR  
MTOE AND TDA  
UNIT OPLAN  
UNIT OPORD  
UNIT SOI  
UNIT SOP

#### **Related**

**MANAGE DATA SUPPORT AS A NETOPS/S3  
113-463-6008**

**Conditions:** As a network operations Officer in garrison, tactical field, battlefield environments of CPs, TOCs, in combat, CS, or CSS units, Joint and Coalition environments, maneuver units to include rear battle area, Special Forces and Ranger units, Reconnaissance units, Support units and Stryker units using GOTS/COTS hardware/software/firmware involving the following systems: ABCS, IWS, DCTS, ADOCS, Cprof, GBS, CENTRIX/MINIS, JWARN, MTS, DSS, AKO, TACWEB, UAV, JSTARS/CGS, CNRs and telephones; IBM compatible computer systems.

**Standards:** The data network functioned IAW the approved network diagrams published in the OPORD/OPLAN and met user software/hardware requirements.

**Performance Steps**

1. Direct the installation of the data network.
2. Monitor the operation of the data network.
3. Initiate troubleshooting of the data network.
4. Monitor and update data network security requirements IAW security procedures and regulations.
5. Maintain the data network.
6. Manage network changes.
7. Direct network configuration management.
8. Ensure operators are trained in the operation and employment of common user software/hardware.
9. Execute reporting procedures for network security events.
10. Ensure data network/automation hardware/software distribution plan is followed.
11. Supervise data network/automation hardware/software maintenance.
12. Provide data network SA to the commander.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the data network.	___	___
2. Monitored the operation of the data network.	___	___
3. Initiated troubleshooting of the data network.	___	___
4. Monitored and updated data network security requirements.	___	___
5. Maintained the data network.	___	___
6. Managed network changes.	___	___
7. Directed network configuration management.	___	___
8. Ensured operators were trained in the operation and employment of common user software/ hardware.	___	___
9. Executed reporting procedures for network security events.	___	___
10. Ensured data network/automation hardware/software distribution plan was followed.	___	___

**STP 11-25A-OFS**

**Performance Measures**

**GO**    **NO-GO**

11. Supervised data network/automation hardware/software maintenance.

—      —

12. Provided data network SA to the commander.

—      —

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

AR 25-1  
COTS  
FM 3-0  
FM 7-1  
MTOE AND TDA  
UNIT OPLAN  
UNIT OPORD  
UNIT SOP  
UNIT Tactical SOP

**Related**

**PLAN CNR SUPPORT AS A NETOPS/S3  
113-485-6008**

**Conditions:** Given an OPORD, WARNO, FRAGO, and unit-specific CNR equipment, conduct MDMP to develop a supporting CNR plan. Use doctrinal radio networks, unit tactical or SOP, and any guidance from the commander.

**Standards:** Developed, approved, and published all the CNR network diagrams in the unit Signal Annex/OPORD/OPLAN and submitted all applicable frequency and SARs IAW policy.

**Performance Steps**

1. Identify user requirements for CNR networks.
2. Prepare and submit appropriate frequency/satellite requests.
3. Prepare contingency COMPLANs.
4. Develop a plan for RETRANS operations.
5. Determine COMSEC requirements.
6. Determine plan for COMSEC key distribution.
7. Perform terrain analysis.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Identified user requirements for CNR networks.	_____	_____
a. Identified unit communication requirements for nonsignal units.		
(1) Voice.		
(2) Data.		
(3) HF.		
(4) FM.		
(5) SATCOM.		
(6) Wire/Cable.		
(7) Security/COMSEC.		
2. Prepared and submitted appropriate frequency/satellite requests.	_____	_____
a. Submitted SAR.		
b. Determined maximum useable frequencies for HF COMPLAN.		
c. Request FM hopset(s).		
3. Prepared contingency COMPLANs.	_____	_____
a. Developed contingency CNR C2 net.		
b. Disseminated/published contingency plans to subordinate units.		
4. Developed a plan for RETRANS operations.	_____	_____
a. Identified primary and alternate RETRANS requirements.		
(1) Recommended primary and alternate RETRANS sites.		
(2) Addressed any Air-Based RETRANS requirements.		
b. Identify multiple RETRANS frequencies/nets (if applicable).		
5. Determined COMSEC requirements.	_____	_____
a. Determined what subordinate, adjacent or higher headquarters units involved.		
b. Determined equipment used in COMPLAN.		
c. Assisted Battlefield Spectrum Manager (BSM) with COMSEC development.		

**STP 11-25A-OFS**

**Performance Measures**

**GO**      **NO-GO**

- |  |   |   |
|--|---|---|
| 6. Determined plan for COMSEC distribution.<br>a. Established priority of COMSEC fills.<br>b. Established purpose (time line) to distribute COMSEC.<br>(1) Planned.<br>(2) Unplanned (Compromise).<br>c. Distributed COMSEC.<br>(1) Hand Delivered.<br>(2) OTAR.<br>(3) Change COMSEC segment. | — | — |
|  |   |   |
| 7. Performed terrain analysis.<br>a. Conducted analysis with appropriate topographical map or map datum and program.<br>b. Determined best C2 locations (primary and alternate) based on mission requirements and terrain.   | — | — |

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- FM 11-32
- FM 11-41
- FM 11-43
- FM 11-55
- FM 24-18
- FM 24-19
- FM 5-0

**Related**

**COORDINATE INFORMATION MANAGEMENT AS A NETOPS/S3  
113-492-6004**

**Conditions:** Using the applicable regulations and publications, higher HQ IMP, unit SOP, appropriate COTS hardware and software documentation, and local command directives.

**Standards:** Integrated the unit commander's information management intent into the unit IMP and the unit SOPs and is followed by all subordinate units.

**Performance Steps**

1. Establish procedures and facilitate the timely flow of RI.
2. Provide the architecture to collect, process, store, and disseminate RI to support staff C2 functions.
3. Manage CP display and audio/visual systems to provide the COP.
4. Provided commander with the ability to review and manage the network to support ongoing information operations.
5. Influence CP layouts to optimize CP functionality and signal support assets.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Established procedures and facilitated the timely flow of RI.	—	—
a. Ensured that communications means were optimal.		
b. Ensured network adjustments were made according to bandwidth priority changes.		
2. Provided the architecture to collect, process, display, store, and disseminate RI to support C2 functions.	—	—
3. Managed CP display and audio/visual systems to provide the COP to all users.	—	—
a. Coordinated the staff interaction necessary to develop the COP within the CPs.		
b. Ensured all processes are supported by C4IM networks.		
4. Provided commander with the ability to review and manage the network to support ongoing information operations.	—	—
5. Influenced CP layouts to optimize CP functionality and signal support assets.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
FM 3-0	
FM 5-0	
FM 6-0	
MTOE AND TDA	
UNIT OPLAN	
UNIT OPORD	
UNIT SOI	
UNIT SOP	
UNIT TOE	

**PLAN INTERNETWORK CONNECTIVITY AS A NETOPS/S3  
113-494-6004**

**Conditions:** As a NETOPS S3 in a tactical field or Joint/Coalition battlefield environment using applicable regulations and publications, higher HQ OPORD/OPLAN, Unit SOP, and local command directives.

**Standards:** Developed and approved the network diagrams and configuration cut sheets. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access requests IAW policy.

**Performance Steps**

1. Determine support requirements.
2. Perform terrain analysis.
3. Determine available resources.
4. Determine/coordinate STEP/Teleport connectivity requirements.
5. Design network diagrams (switch, MUX, BLOS, LOS).
6. Supervise production of configuration cut sheets.
7. Develop network contingency plan.
8. Plan the integration of higher, lower, adjacent networks.
9. Determine Coalition/Joint network support/integration.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined support requirements.	—	—
a. Identified subscribers.		
b. Identified current and planned signal requirements from user.		
c. Identified priority requirements.		
d. Determined COMSEC requirements.		
2. Performed terrain analysis.	—	—
3. Determined available resources.	—	—
a. Identified all communications equipment.		
b. Identified any additional or special equipment needed.		
4. Determined/coordinated/STEP/Teleport connectivity requirements.	—	—
a. Reviewed network diagram/OPORD for satellite connectivity.		
b. Submitted SAR through higher echelon signal operations.		
5. Designed network diagrams (switch, MUX, BLOS, LOS).	—	—
6. Supervised production of configuration cut sheets.	—	—
7. Developed network contingency plan.	—	—
a. Reviewed network connectivity load data, trouble reports, RFOs, battle damage assessments.		
b. Published network contingency plan.		
8. Planned the integration of higher, lower, adjacent networks.	—	—
9. Determined Coalition/Joint network support/integration.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References****Required**

AR 190-13  
AR 380-40  
AR 380-5  
AR 380-67  
AR 700-127  
AR 700-4  
AR 700-70  
CJCSM 6231.01C  
CJCSM 6231.02B  
FM 1-02  
FM 11-41  
FM 11-43  
FM 11-55  
FM 3-0  
FM 3-25.26  
FM 3-31.1  
FM 34-25  
FM 3-90  
FM 4-0  
FM 4-93.4  
FM 5-19  
FM 6-02.40  
FM 63-2  
FM 63-21  
FM 63-3  
FM 71-100  
FMI 6-02.70  
TB 380-41

**Related**

**MANAGE INTERNETWORK CONNECTIVITY AS A NETOPS/S3**

**113-494-6008**

**Conditions:** Using the approved network diagrams unit and higher HQ OPORD/OPLAN and applicable regulations and publications and unit SOP.

**Standards:** The network functioned IAW the approved network diagrams and OPORD/OPLAN and met user requirements.

**Performance Steps**

1. Direct the installation of the network.
2. Monitor the operation/quality of the network (ISYSCON, TIMS, HP Open View).
3. Execute reporting procedures.
4. Implement network contingency plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the network.	—	—
a. Reviewed OPORD, unit SOP, tactical SOP, battle plans.		
b. Determined personnel and equipment assets available and operationally ready for deployment.		
c. Disseminated OPORD, Signal Annex, and specific tasks to subordinate units as required.		
2. Monitored the operation/quality of the network (ISYSCON, TIMS, HP Open View).	—	—
a. Ensured subordinates are aware of reporting procedures and identified changing/emerging requirements.		
b. Monitored OPORD, OPLAN, FRAGOs, WARNOs, to ensure they are maintained and accurately reflected unit mission changes.		
c. Reviewed and reported equipment operational and maintenance status reports.		
d. Reviewed subscriber connectivity.		
e. Communicated network issues relevant to commanders' SA/SU.		
3. Executed reporting procedures.	—	—
4. Implemented network contingency plan.	—	—
a. Alerted assigned/attached unit leaders and signal officers.		
b. Reorganized equipment and personnel assets.		
c. Evaluated CONOPs plan.		
d. Reported SA/SU to commander.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 190-13
- AR 380-40
- AR 380-5
- AR 380-67
- AR 700-127
- AR 700-138

**Related**

**References****Required**

AR 700-4  
AR 700-70  
CJCSM 6231.01C  
CJCSM 6231.02B  
DA Pam 25-380-2  
FM 1-02  
FM 11-41  
FM 11-43  
FM 11-55  
FM 3-0  
FM 3-25.26  
FM 3-31.1  
FM 34-25  
FM 3-90  
FM 4-0  
FM 4-30.3  
FM 4-93.4  
FM 5-19  
FM 6-02.40  
FMI 6-02.45  
FM 63-2  
FM 63-21  
FM 63-3  
FM 71-100  
TB 380-41

**Related**

Skill Level 2

Subject Area 1: Plan Signal Support

**PLAN SIGNAL SUPPORT AS A G6/J6**

**113-427-6006**

**Conditions:** As a G6/J6 in a garrison, tactical field, battlefield environments of CP, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Joint and Coalition environment, Special Forces units, Ranger units, Reconnaissance units, Support units and Stryker units using assigned personnel, equipment, higher unit OPORD/FRAGO, unit SOP, applicable regulations and publications, the MDMP and commander's guidance.

**Standards:** Approved and published the Signal estimate and annex to OPORD and met all user requirements. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access requests IAW policy.

**Performance Steps**

1. Identify user communication requirements.
2. Perform terrain analysis.
3. Recommend CP locations.
4. Develop COMSEC plan.
5. Prepare Signal plans.
6. Prepare Signal annexes.
7. Coordinate revisions to the OPORD Signal Annex thru S3/G3/J3.
8. Create network diagrams (Data, CNR, MUX, Switch, LOS and BLOS).
9. Supervise production of the IMP.
10. Develop frequency management plan.
11. Identify available communications assets and shortfalls.
12. Prioritize critical equipment and links.
13. Identify communications threats.
14. Determine higher/lower reporting procedures.
15. Determine special services requirements (VTC, GBS, DCTS, IWS, CIE, etc.).
16. Plan contractor support.
17. Coordinate task organization and command relationships of signal teams.
18. Coordinate security and support requirements of signal teams.
19. Plan bandwidth allocation.

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
1. Identified user communication requirements.	—	—
a. Verified that BCT S6s collected communication requirements from all appropriate user organizations per SOP.		
b. Analyzed all requirements for appropriateness and completeness.		
c. Ensured BCT S6s understand all requirements and any impact on the mission.		
d. Ensured BCT Signal SOP is updated accordingly.		
e. Set proper service level expectations with user organizations.		
2. Performed terrain analysis.	—	—
a. Confirmed BCT S6 analysis.		
b. Confirmed that SOPs reflect the current standard for terrain analysis and that the BCTs are compliant.		
3. Recommended CP locations.	—	—
a. Determined potential adjustments to CP locations.		
b. Coordinated with G3 regarding potential location adjustments.		
4. Developed COMSEC plan.	—	—
5. Prepared signal plans.	—	—
a. Reviewed subordinate OPORDs for appropriate signal plans.		
b. Recommended appropriate improvements to BCT S6s.		
6. Prepared signal annexes.	—	—
a. Reviewed subordinate OPORDs for appropriate signal annexes.		
b. Reviewed subordinate OPORDs for appropriate signal annexes.		
7. Coordinated revisions to the OPORD Signal Annex thru S3/G3/J3.	—	—
8. Created network diagrams (data, CNR, MUX, Switch, LOS, and BLOS).	—	—
a. Ensured BCT S6s used all supporting requirements and directives in developing the diagrams.		
b. Verified all diagrams meet unit standards for completeness and clarity.		
9. Supervised production of the IMP.	—	—
10. Developed frequency management plan.	—	—
a. Verified that BCT S6 plans meet all network and user requirements.		
b. Developed recommendations for plan improvements.		
11. Identified available communications assets and shortfalls.	—	—
a. Verified that BCT S6s understand what assets they have and what shortfalls exist.		
b. Verified that all shortfalls were communicated to BCT commanders.		
12. Prioritized critical equipment and links.	—	—
a. Verified proper prioritization of BCT equipment and links.		
b. Recommended adjustments as needed.		
13. Identified communications threats.	—	—
a. Verified that BCT S6s understand threats.		
b. Verified that BCT S6s understand countermeasures to communications threats.		
14. Determined higher/lower reporting procedures.	—	—
a. Gathered reporting requirements from higher headquarters.		
b. Distributed reporting requirements to lower headquarters.		

**STP 11-25A-OFS**

<b>Performance Measures</b>	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
15. Determined special services requirements (VTC, GBS, DCTS, IWS, CIE, etc.).	—	—
a. Gathered user requirements for special services.		
b. Understood all requirements for special services.		
16. Planned contractor support.	—	—
a. Collected and understood contractor requirements.		
b. Understood all relevant contractor relationships and service agreements.		
c. Established communications with relevant contractors.		
17. Coordinated task organization and command relationships of signal teams.	—	—
a. Understood division and BCT task organization.		
b. Ensured BCT S6s understand BCT task organization.		
c. Established and facilitated communications between signal teams, staff, and commanders.		
18. Coordinated security and support requirements of signal teams.	—	—
a. Understood security and support requirements of all division HQ and BCT signal teams.		
b. Communicated requirements to supporting units.		
c. Ensured security and support requirements are met.		
19. Planned bandwidth allocation.	—	—
a. Obtained bandwidth requirements of BCT/supported units.		
b. Obtained available bandwidth.		
c. Assigned available bandwidth to support user requirements.		
d. Ensured bandwidth is allocated IAW commanders guidance and SOP.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

- Required**  
 AR 380-40  
 AR 5-14  
 AR 5-20  
 FM 11-32  
 FM 11-43  
 FM 11-55  
 FM 24-7  
 FM 3-0  
 FM 3-90  
 FM 5-0  
 FM 6-0  
 FMI 6-02.45  
 FM 6-02.85  
 FM 7-0

**Related**

Subject Area 2: Plan Data Support

**PLAN DATA SUPPORT AS A G6/J6  
113-463-6003**

**Conditions:** Using the unit information systems plan, applicable regulations and publications, higher HQ OPORD/OPLAN, unit SOP, appropriate COTS hardware and software and Firmware documentation, and local command directives.

**Standards:** Developed, approved, and implemented the data network diagrams and configuration. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access/service requests IAW policy.

**Performance Steps**

1. Determine user software/hardware requirements.
2. Determine requirements shortfalls and initiate procurement process.
3. Determine bandwidth requirements.
4. Recommend bandwidth apportionment.
5. Produce network topology diagram.
6. Develop data contingency plan.
7. Design IP routing scheme.
8. Determine transmission media specifications and requirements.
9. Determine requirements for multiple levels of network security (NIPR, SIPR, JWICS, MNIS).
10. Prepare and submit GAR.
11. Plan the integration of higher, lower, adjacent networks.
12. Plan coalition/Joint network support/integration.
13. Design server support plan/configuration scheme.
14. Develop automation/data network hardware/software distribution plan.
15. Plan for data network growth.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined user software/hardware requirements.	—	—
2. Determined requirements shortfalls and initiate procurement process.	—	—
3. Determined bandwidth requirements.	—	—
4. Recommended bandwidth apportionment.	—	—
5. Produced network topology diagram.	—	—
6. Developed data contingency plan.	—	—
7. Designed IP routing scheme.	—	—
8. Determined transmission media specifications and requirements.	—	—

**STP 11-25A-OFS**

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
9. Determined requirements for multiple levels of network security (NIPR, SIPR, JWICS, MNIS).	—	—
10. Prepared and submit GAR.	—	—
11. Planned the integration of higher, lower, adjacent networks.	—	—
12. Planned coalition/Joint network support/integration.	—	—
13. Designed server support plan/configuration scheme.	—	—
14. Developed automation/data network hardware/software distribution plan.	—	—
a. Identified incoming hardware and software.		
b. Developed priority placement matrix.		
c. Coordinated equipment signing from supply.		
d. Determined/Acquired manpower requirements for transportation and placement.		
e. Coordinated transportation of equipment.		
f. Removed old equipment.		
g. Installed new hardware/software according to SOP.		
15. Planned for data network growth.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
AR 25-1	
COMMANDERS GUIDANCE	
COTS	
FM 24-11	
FM 24-7	
FM 3-0	
FMI 6-02.70	
ISBN 1-58713-011-4	
MTOE AND TDA	
SERVER OPERATING SYSTEM	
SRM	
TB 11-7010-310-10	
UNIT OPLAN	
UNIT OPORD	
UNIT SOP	
WINDOWS 2000	
WINDOWS 2003	

Subject Area 3: Plan Telephone Support

**Plan Telephone Support as a G6/J6**  
**113-351-6003**

**Conditions:** Using the higher HQ OPORD/OPLAN, unit SOP, appropriate telephone hardware, software documentation, and local command directives.

**Standards:** Developed and approved the telephone network diagrams and configuration cut sheets. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access/service requests IAW policy.

**Performance Steps**

1. Determine user telephone requirements (tactical, VoIP, POTS, etc.).
2. Determine commercial cell/satellite/host nation phone procurement requirements (COTS, Iridium, INMARSAT, etc.).

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined user telephone requirements (tactical, VoIP, POTS, etc.).	—	—
a. Reviewed tactical SOP, OPORD sets and battle plans.		
b. Determined commercial cell/satellite/host nation phone requirements and procurement requirements (COTS, Iridium, INMARSAT, etc.).		
c. Determined user telephone specific COMSEC requirements.		
d. Determined user telephone security policies and procedures.		
e. Determined requirements for multilevel telephone security (commercial, tactical, DSN, DRSN).		
f. Determined higher, lower and adjacent telephone network integration.		
g. Determined coalition/Joint telephone support/integration.		
2. Determined commercial cell/satellite/host nation phone procurement requirements (COTS, Iridium, INMARSAT, etc.).	—	—
a. Developed telephone network hardware/software distribution plan.		
b. Developed telephone contingency plan.		
(1) Determined priority of subscribers.		
(2) Determined availability of reallocation assets.		
c. Developed telephone book/extract.		
d. Determined profile management scheme.		
e. Prepared GARs/SARs.		
f. Developed scheme for monitoring/reporting telephone network.		
g. Developed and distributed Signal Annex.		
(1) Determined user requirements to be valid.		
(2) Provided requirements to signal equipment unit to design network that meets requirements.		
(3) Received confirmation from subordinate units that mission is executable.		
(4) Received approval from commander for network.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

## STP 11-25A-OFS

### References

#### Required

AR 190-13  
AR 190-45  
AR 380-5  
AR 380-67  
AR 385-40  
AR 700-127  
AR 700-138  
AR 700-4  
AR 700-70  
CJCSM 6231.01C  
CJCSM 6231.02B  
DA PAM 25-380-2  
FM 1-02  
FM 11-41  
FM 11-43  
FM 11-55  
FM 3-0  
FM 3-25.26  
FM 3-31.1  
FM 34-25  
FM 3-90  
FM 4-0  
FM 4-30.3  
FM 5-19  
FM 6-02.40  
FM 63-2  
FM 63-21  
FM 63-3  
FM 71-100  
TB 380-41

#### Related

Subject Area 4: Plan CNR Support

**PLAN CNR SUPPORT AS A G6/J6**

**113-485-6007**

**Conditions:** Using the unit and higher HQ OPORD/OPLAN, unit SOP, SOI, applicable references, equipment and task organization, tactical SOP, IBM or compatible desktop multimedia computer, with 256 MB RAM, 40 GB hard drive, SVGA card, VGA monitor, network card, CD-RW/DVD-ROM, Windows or UNIX operating system, ACES/JACS software, SINCGARS, PSC-5C/D, PRC-117F, MBITR, EPLRS, PRC-150/IHFR, NTDR, FBCB2, SCAMP, LMR, CNRI, ICOM/PRC-127 , JTRS, ABCS, TI/TIMs, TACLANE, SATCOM, DAMA, ANCD/DTD, KOK-22, -HUS,-AKMS; NVIS, dipole, inverted-V, OE-254, COM-201, QUEAMS, field expedient (antennas); in all weather, all terrain, garrison, tactical field, Joint/Coalition battlefield environments of CP, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and Ranger units, Reconnaissance units, Support units and Stryker units.

**Standards:** The CNR network functioned IAW unit OPORD/OPLAN and all applicable frequency and satellite request are approved; all contingency operations established and published, and established priority of C2 support.

**Performance Steps**

1. Identify user requirements for CNR networks.
2. Prepare network diagram (NB SATCOM, HF, FM, data/tactical Internet, FBCB2, EPLRS, JTRS, NTDR).
3. Generate SOI/extract (when acting as a Joint Task Force (JTF) or separate BCT/UA).
4. Prepare and submit appropriate frequency/satellite requests.
5. Prepare contingency COMPLANs.
6. Develop a plan for RETRANS operations.
7. Develop signal security countermeasures.
8. Determine COMSEC requirements.
9. Determine plan for COMSEC key distribution.
10. Perform terrain analysis.
11. Supervise spectrum management planning.
12. Recommend CP locations.

**Performance Measures**

- |  | <u>GO</u> | <u>NO-GO</u> |
|--|-----------|--------------|
| 1. Identified user requirements for CNR networks.                  | _____     | _____        |
| a. Identified unit communications requirements for nonsignal unit. |           |              |
| (1) Reviewed voice requirements.                                   |           |              |
| (2) Reviewed data requirements.                                    |           |              |
| (3) Reviewed HF requirements.                                      |           |              |
| (4) Reviewed FM requirements.                                      |           |              |
| (5) Reviewed SATCOM requirements.                                  |           |              |
| (6) Reviewed wire/cable requirements.                              |           |              |
| (7) Reviewed security/COMSEC requirements.                         |           |              |

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
<ul style="list-style-type: none"> <li>b. Identified equipment capabilities and limitations.                             <ul style="list-style-type: none"> <li>(1) Reviewed FM equipment references.</li> <li>(2) Reviewed HF equipment references.</li> <li>(3) Reviewed SATCOM equipment references.</li> <li>(4) Reviewed EPLRS equipment references.</li> <li>(5) Reviewed NTDR equipment references.</li> <li>(6) Reviewed FBCB2 equipment references.</li> <li>(7) Reviewed BFT equipment references.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>2. Prepared network diagram (NB SATCOM, HF, FM, data/tactical Internet, FBCB2, EPLRS, JTRS, NTDR).                             <ul style="list-style-type: none"> <li>a. Identified all subordinate units and communications requirements.</li> <li>b. Developed CNR network diagrams COMPLAN.                                     <ul style="list-style-type: none"> <li>(1) Developed FM COMPLAN.</li> <li>(2) Developed HF COMPLAN.</li> <li>(3) Developed SATCOM COMPLAN.</li> <li>(4) Developed ADDS COMPLAN (FBCB2, NTDR, EPLRS, BFT).</li> </ul> </li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>3. Generated SOI/extract (when acting as a JTF or separate BCT/UA).                             <ul style="list-style-type: none"> <li>a. Identified all users/call signs.</li> <li>b. Published SOI (JCEOI if appropriate)/extracts.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>4. Prepared and submit appropriate frequency/satellite requests.                             <ul style="list-style-type: none"> <li>a. Submitted SAR.</li> <li>b. Determined maximum useable frequencies for HF COMPLAN.</li> <li>c. Requested FM HOPSET(s).</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>5. Prepared contingency COMPLAN.                             <ul style="list-style-type: none"> <li>a. Developed contingency CNR C2 net.</li> <li>b. Disseminated/published contingency plans to subordinate units.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>6. Developed a plan for RETRANS operations.                             <ul style="list-style-type: none"> <li>a. Identified primary and alternate RETRANS sites.                                     <ul style="list-style-type: none"> <li>(1) Recommended primary and alternate RETRANS sites to commander.</li> <li>(2) Addressed any Air-Based RETRANS requirements.</li> </ul> </li> <li>b. Identified multiple RETRANS frequencies/nets (if applicable).</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>7. Developed signal security countermeasures.                             <ul style="list-style-type: none"> <li>a. Determined validity of EMI; attempted to resolve at the lowest level.</li> <li>b. Submitted JSIR report IAW CJCSM 3320.01B.</li> <li>c. Established the ECCM.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>8. Determined COMSEC requirements.                             <ul style="list-style-type: none"> <li>a. Determined what subordinate, adjacent or higher headquarters units involved.</li> <li>b. Determined equipment used in COMPLAN.</li> <li>c. Assisted BSM with COMSEC development.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>9. Determined plan for COMSEC key distribution.                             <ul style="list-style-type: none"> <li>a. Established priority of COMSEC fills.</li> <li>b. Established purpose (time line) to distribute COMSEC.                                     <ul style="list-style-type: none"> <li>(1) Established planned (time line).</li> <li>(2) Established unplanned - compromise (time line).</li> </ul> </li> <li>c. Considered COMSEC segment change.</li> </ul> </li> </ul>	—	—

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
10. Performed terrain analysis.	—	—
a. Conducted analysis with appropriate topographical map or map datum and program.		
b. Determined best RETRANS locations (primary and alternate) based on requirements and terrain.		
11. Supervised spectrum management planning.	—	—
a. Developed Spectrum Use Plan.		
(1) Coordinated with the G3/J3.		
b. Developed the Joint Restricted Frequency List.		
(1) Received unit-level joint restricted frequencies.		
(2) Coordinated with G2/J2 and G3/J3.		
c. Submitted spectrum plan for approval.		
12. Recommended CP locations.	—	—
a. Determined unit's Scheme of Maneuver (based on Terrain Analysis).		
b. Received approval on primary and alternate C2 coverage for corresponding CP locations.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 380-40
- CJCSM 3320.01B
- FM 11-32
- FM 11-41
- FM 11-43
- FM 11-55
- FM 11-65
- FM 24-11
- FM 24-18
- FM 24-19
- FM 5-0
- TB 380-41

**Related**

Subject Area 5: Plan Information Assurance

**PLAN INFORMATION ASSURANCE AS A G6/J6**

**113-397-6003**

**Conditions:** Using assigned personnel, network and equipment, using OPORD/FRAGO, unit SOP, applicable regulations and publications, IA plan, Windows 2000, Windows 2003, TCP/IP, HP Open View, CISCO Work, CISCO's Net Ranger Director, ISYSCON, and commander's guidance.

**Standards:** Protected the network from viruses and network intrusions by using procedures, policies and IA plans. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access requests IAW policy.

**Performance Steps**

1. Develop IA SOP and user training program.
2. Supervise Network Security Planning.
3. Develop equipment accreditation and user certification plans.
4. Provide IA specific technical data to developer of the GAR.
5. Plan for implementation of IAVA directives.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Developed IA SOP and user training program.	—	—
a. Developed personnel training program for unit and provide guidance for subordinate units.		
b. Tailored IA incident and intrusion reporting procedures to unit and provide guidance for subordinate units.		
2. Supervised Network Security Planning.	—	—
a. Developed the security policy for Transportable Assemblage Perimeter Protection.		
b. Developed the switch security policy.		
c. Developed the Information Assurance Management Cell (IAMC) security policy.		
d. Distributed the security policy for Transportable Assemblage Perimeter Protection.		
e. Distributed the switch security policy.		
f. Distributed the IAMC security policy.		
3. Developed equipment accreditation and user certification plans.	—	—
a. Documented the mission need.		
(1) Considered system mission functions and system interfaces.		
(2) Considered operational organization.		
(3) Considered Information category and classification.		
(4) Considered expected system life cycle.		
(5) Considered system users characteristics.		
(6) Considered operational environment.		
b. Performed registration.		
(1) Informed the DAA and the CA that the system will require C&A support; e.g., register the system.		
(2) Prepared mission description and system identification.		
(3) Prepared the environment and threat description.		

**Performance Measures**

**GO    NO-GO**

- (4) Prepared system architecture description and C&A boundary.
- (5) Determined ITSEC system class.
- (6) Determined the system security requirements.
- (7) Identified organizations that will be involved in the C&A and identify resources required.
- (8) Tailored the DITSCAP tasks, determine the C&A level-of-effort, and prepared a DITSCAP plan.
- (9) Developed the draft System Security Authorization Agreement (SSAA).
- c. Performed negotiation tasks.
  - (1) Reviewed initial SSAA.
  - (2) Conducted the certification requirements review.
  - (3) Approved final SSAA.
  
- 4. Provided IA specific technical data to developer of GAR.
  - a. Phased One--Submit the SAR/GAR.
  - b. Phased Two--Submit Request For Service (as required).
  - c. Phased Three--Assess Supportability.
  - d. Phased Four-- Issue TSO(s) (as required).
  - e. Phased Five--RSSC/DISA Issue Action Messages.
  - f. Phased Six--Execute Mission.
  
- 5. Planned for implementation of IAVA directives.
  - a. Identified technical details about new vulnerabilities reported by DISA.
  - b. Sent an IAVA AUTODIN/DMS message that provides a web site address (where additional technical details about a vulnerability are available) to all subordinate organizations for further distribution to system administrators and information system security managers.
  - c. Acknowledged receipt of the IAVA message and the alert information within a nominal 5-day time period (which is based on the urgency of the vulnerability).
  - d. Assessed the impact and report compliance with the directions through command channels within a nominal 30 day time period. (Waivers may be requested from the Designated Approval Authority.)

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 190-45
- AR 25-1
- AR 25-2
- AR 380-40
- AR 380-5
- AR 380-53
- CJCSM 6231.01C
- CJCSM 6231.02B
- CJCSM 6231.03B
- CJCSM 6231.04B
- CJCSM 6231.05B
- CJCSM 6231.06A
- CJCSM 6231.07D
- TB 380-41

**Related**

- DOD DIRECTIVE C-5200.5
- DOD INSTRUCTION 5200.40
- DOD INSTRUCTION 8500.2
- EO13231
- NSD-42
- IA LEVEL 2 COURSE
- IA LEVEL 3 COURSE
- NSTISSI No.1000
- NSTISSP No. 11

Subject Area 6: Plan Internetwork Connectivity

**PLAN INTERNETWORK CONNECTIVITY AS A G6/J6**

**113-494-6003**

**Conditions:** As a G6/J6 in a garrison and tactical electronic communications environment using applicable regulations and publications, higher HQ OPORD/OPLAN, unit SOP, local command directives, unit MTOE, laptop or desktop with MS-Office software.

**Standards:** Developed and approved the network diagrams and configuration cut sheets. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access/equipment requests IAW policy.

**Performance Steps**

1. Determine support requirements.
2. Perform terrain analysis.
3. Determine available resources.
4. Determine/coordinate STEP/Teleport connectivity requirements.
5. Develop network contingency plan.
6. Plan the integration of higher, lower, adjacent networks.
7. Determined Coalition/Joint network support/integration.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined support requirements.	—	—
a. Identified subscribers.		
b. Identified current and planned signal requirements from user.		
c. Identified priority requirements.		
d. Determined COMSEC requirements.		
2. Performed terrain analysis.	—	—
3. Determined available resources.	—	—
a. Identified all communications equipment.		
b. Identified any additional or special equipment needed.		
c. Identified any equipment shortfalls, not functional or unavailable.		
4. Determine/coordinated STEP/Teleport connectivity requirements.	—	—
a. Reviewed network diagram/OPORD for satellite connectivity.		
b. Submitted SAR through higher echelon signal operations.		
5. Developed network contingency plan.	—	—
a. Reviewed network connectivity load data, trouble reports, RFOs, battle damage assessments.		
b. Published network contingency plan.		
6. Planned the integration of higher, lower, adjacent networks.	—	—
7. Determined Coalition/Joint network support/ integration.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References****Required**

AR 190-13  
AR 380-40  
AR 380-5  
AR 380-67  
AR 700-127  
AR 700-4  
AR 700-70  
CJCSM 6231.01C  
CJCSM 6231.02B  
DA PAM 25-380-2  
FM 1-02  
FM 11-41  
FM 11-43  
FM 11-55  
FM 3-0  
FM 3-25.26  
FM 3-31.1  
FM 34-25  
FM 3-90  
FM 4-0  
FM 4-93.4  
FM 5-19  
FM 6-02.40  
FM 63-2  
FM 63-21  
FM 63-3  
FM 71-100  
TB 380-41

**Related**

Subject Area 7: Plan COMSEC

**Plan COMSEC Support as a G6/J6  
113-370-6003**

**Conditions:** Using assigned equipment, higher HQ OPLAN/OPORD/FRAGO, applicable regulations and publications and commander's guidance.

**Standards:** Implemented the COMSEC plan to ensure that the network is secure and COMSEC material and devices are secured/handled IAW Army regulations. Approved and published the plan in the OPOD/OPLAN.

**Performance Steps**

1. Develop COMSEC SOP.
2. Develop accounting procedures for COMSEC/CCI devices in the network.
3. Identify KEYMAT and CCI required.
4. Identify COMSEC sub-hand receipt holders.
5. Develop KEYMAT distribution plan.
6. Develop COMSEC destruction/zeroize plan.
7. Develop Emergency COMSEC destruction plan.
8. Develop KEYMAT change over plan.
9. Identify a secure storage location for KEYMAT and CCI.
10. Develop COMSEC compromise procedures.
11. Develop COMSEC training plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Developed COMSEC SOP.	—	—
a. Developed guidelines for company commanders.		
b. Reviewed guidelines established for unit use.		
2. Developed accounting procedures for COMSEC/CCI devices in the network.	—	—
a. Identified COMSEC/CCI devices in the network diagram.		
3. Identified KEYMAT and CCI required.	—	—
a. Reviewed KEYMAT and CCI requested.		
b. Reviewed KEYMAT and CCI requests submitted to the COMSEC custodian.		
4. Identified COMSEC sub-hand receipt holders.	—	—
a. Reviewed list of COMSEC sub-hand receipt holders.		
5. Developed KEYMAT distribution plan.	—	—
a. Select central point for KEYMAT distribution.		
6. Developed COMSEC destruction/zeroize plan.	—	—
a. Identified COMSEC to be held to continue mission.		
b. Selected destruction area.		

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
7. Developed emergency COMSEC destruction plan.	—	—
a. Identified COMSEC to be held to continue mission.		
b. Selected destruction area and destroyed COMSEC material.		
8. Developed KEYMAT change over plan.	—	—
a. Prepared schedule of when each KEYMAT in use is to be changed over.		
b. Developed trigger for KEYMAT to be changed over.		
9. Identified a secure storage location for KEYMAT and CCI.	—	—
a. Identified KEYMAT and CCI to be held to for safe storage.		
b. Identified storage area for KEYMAT and CCI equipment.		
10. Developed COMSEC compromise procedures.	—	—
a. Determined effect of compromised COMSEC.		
b. Planned report of action to be taken for compromise.		
11. Developed COMSEC training plan.	—	—
a. Reviewed COMSEC material users' hand receipts from units.		
b. Coordinated for the COMSEC custodian to train officers and senior NCOs on COMSEC hand receipt holder' responsibilities.		
c. Scheduled units to perform COMSEC training using train-the-trainer techniques.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
AR 380-40	
AR 380-5	
DA PAM 25-380-2	
FM 11-43	
FM 5-0	
FM 6-0	
Tactical SOP	
TB 380-41	
UNIT SOP	

Subject Area 8: Manage Signal Support

**MANAGE SIGNAL SUPPORT AS A G6/J6**

**113-427-6010**

**Conditions:** Using assigned personnel, equipment, higher unit OPORD/FRAGO, unit SOP, applicable regulations and publications, the MDMP and commander's guidance.

**Standards:** Approved and published the Signal estimate and annex to OPORD and met all user requirements. Published the Signal annex/OPORD/OPLAN and submitted all applicable access requests IAW policy.

**Performance Steps**

1. Evaluate changes in user communication requirements.
2. Supervise installation of the network.
3. Monitor network status and security.
4. Troubleshoot the network.
5. Manage COMSEC plan.
6. Update Signal estimates.
7. Update Signal plans.
8. Issue FRAGOs as needed.
9. Update network diagrams (Data, CNR, LOS and BLOS).
10. Manage bandwidth allocation.
11. Manage communications assets.
12. Reevaluate frequency plan.
13. Reallocate Signal assets to support mission priorities.
14. Implement higher/lower reporting procedures.
15. Coordinate task organization and command relationships of signal teams.
16. Provide communications SA (updates and briefs IAW unit specific SOPs).

**Performance Measures**

1. Evaluated changes in user communication requirements.
  - a. Verified that S6s/supported units have collected all communication requirements within their organization.
  - b. Analyzed all submitted requirements for accuracy, completeness and feasibility.
  - c. Verified that S6s understand each requirement and its impact on their mission.
  - d. Prioritized changes in user requirements submitted by S6s based on commander's guidance.

**GO**      **NO-GO**

\_\_\_\_\_      \_\_\_\_\_

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
2. Supervised the installation of the network. a. Verified that S6s/supported units have supervised internal communications network. b. Supervised method of terrain analysis and LOS profiling using manual or digital method.	_____	_____
3. Monitored network status and security. a. Verified with S6s/supported units on their internal network status and security.	_____	_____
4. Troubleshoot the network. a. Verify S6s/supported units are correctly troubleshooting their internal network. b. Determined best method(s) for troubleshooting each network.	_____	_____
5. Managed COMSEC plan. a. Managed unit use/handling/distribution procedures.	_____	_____
6. Updated Signal estimates. a. Ensured each scheme of maneuver COA is IAW commander's guidance. b. Determined current signal equipment status. c. Determined subordinate unit's communication requirements. d. Identified available communication assets/shortfall. e. Identified communication threats.	_____	_____
7. Updated Signal plans. a. Determined unit scheme of maneuver at all levels. b. Determined most feasible COA communication support. c. Disseminated plan to S6s and subordinate elements.	_____	_____
8. Issued FRAGOs as needed.	_____	_____
9. Updated network diagrams. (Data, CNR, LOS, BLOS). a. Ensured S6s used all supporting requirements and directives in developing the diagrams. b. Verified all diagrams meet unit standards for completeness and clarity. c. Recommended improvements to J6 or higher.	_____	_____
10. Managed bandwidth allocation. a. Monitored bandwidth use at all levels.	_____	_____
11. Managed communications assets. a. Determined subordinate unit's scheme of maneuver. b. Identified all communication asset limitations. c. Identify priority for unit support.	_____	_____
12. Reevaluated frequency plan. a. Monitored subordinate frequency plan.	_____	_____
13. Reallocated signal assets to support mission priorities.	_____	_____
14. Implemented higher/lower reporting procedures. a. Identified reporting requirements for J6 to meet commander's critical information requirements. b. Monitored reporting methods for S6s.	_____	_____

**STP 11-25A-OFS**

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
15. Coordinated task organization and command relationships of signal teams.	—	—
16. Provided communications SA (updates and briefs IAW unit specific SOPs).	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 25-2
- AR 380-40
- AR 380-5
- AR 5-14
- AR 5-20
- FM 11-24
- FM 11-32
- FM 11-41
- FM 11-43
- FM 11-55
- FM 24-11
- FM 24-7
- FMI 6-02.70

**Related**

Subject Area 9: Manage Data Support

**MANAGE DATA SUPPORT AS A G6/J6**  
**113-463-6007**

**Conditions:** As a S6, UA S6, UEx/UEy G6, network operations, officer/network operations S3 in garrison, tactical field, battlefield environments of CPs, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and Ranger units, Reconnaissance units, Support units and Stryker units using GOTS/COTS hardware/software/firmware involving the following systems: ABCS, IWS, DCTS, ADOCS, Cpod, GBS, CENTRIX/MINIS, JWARN, MTS, DSS, AKO, TACWEB, UAV, JSTARS/CGS, CNRs and telephones; IBM compatible computer systems.

**Standards:** The data network functioned IAW the approved network diagrams published in the OPOD/OPLAN and met user software/hardware requirements.

**Performance Steps**

1. Procure equipment.
2. Direct the installation of the data network.
3. Monitor the operation of the data network (ISYSCON, TIMS, HP Open View).
4. Initiate troubleshooting of the data network.
5. Monitor and update data network security requirements IAW security procedures and regulations.
6. Maintain the data network.
7. Manage network changes.
8. Direct network configuration management.
9. Ensure operators are trained in the operation and employment of common user software/hardware.
10. Execute reporting procedures for network security events.
11. Ensure data network/automation hardware/software distribution plan is followed.
12. Supervise data network/automation hardware/software maintenance.
13. Provide data network SA to the commander.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Procured equipment.	—	—
a. Identified needed software.		
b. Identified needed hardware.		
2. Directed the installation of the data network.	—	—
a. Determined the number of segments needed for the network.		
b. Determined the number of hosts per segment on the network.		
c. Determined the routing requirements for the segments on the network.		
d. Determined the priority of work when installing the network.		
3. Monitored the operation of the data network (ISYSCON, TIMS, HP Open View).	—	—
4. Initiated troubleshooting of the data network.	—	—

## STP 11-25A-OFS

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
5. Monitored and updated data network security requirements IAW security procedures and regulations.	—	—
6. Maintained the data network.	—	—
7. Managed network changes.	—	—
8. Directed network configuration management.	—	—
9. Ensured operators are trained in the operation and employment of common user software/hardware.	—	—
10. Executed reporting procedures for network security events.	—	—
11. Ensured data network/automation hardware/software distribution plan is followed.	—	—
12. Supervised data network/ automation hardware/software maintenance.	—	—
13. Provided data network SA to the commander.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

### References

#### Required

AR 25-1  
FM 3-0  
FM 6-0  
FM 7-1

#### Related

COTS  
MTOE AND TDA  
UNIT OPLAN  
UNIT OPORD  
UNIT SOI  
UNIT SOP

Subject Area 10: Manage Telephone Support

**Manage Telephone Support as a G6/J6**  
**113-351-6007**

**Conditions:** Using the unit and higher HQ OPORD/OPLAN, unit SOP, unit telephone book, appropriate telephone hardware and software documentation, local command directives, approved telephone network diagrams and equipment.

**Standards:** The telephone network functioned IAW the approved telephone network diagram published in the unit OPORD/OPLAN and met user telephone requirements.

**Performance Steps**

1. Direct the installation of the telephone networks.
2. Monitor user telephone requirements.
3. Activate telephone contingency plan.
4. Maintain telephone book/extract.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the telephone networks.	—	—
a. Implemented telephone network hardware/software distribution plan.		
b. Implemented telephone security plan.		
c. Implemented and troubleshot transmission media (satellite, cellular, wire).		
d. Implemented multiple levels of telephone support (commercial, tactical, DSN, DRSN).		
e. Integrated higher, lower, adjacent telephone networks.		
f. Integrated coalition/joint telephone support.		
g. Procured cellular/satellite commercial telephones (COTS, Iridium, INMARSAT).		
2. Monitored user telephone requirements.	—	—
a. Reviewed common operating picture information and SA/SU.		
b. Monitored users/subscribers.		
3. Activated telephone contingency plan.	—	—
a. Determined COP issues requiring CONOPS implementation.		
b. Notified users of CONOPS implementation.		
c. Reevaluated telephone network functionality.		
d. Provided SA/SU of telephone network to commander.		
4. Maintained telephone book/extract.	—	—
a. Regulated telephone numbering allocation.		
b. Regulated profile management.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

## STP 11-25A-OFS

### References

#### Required

AR 190-13  
AR 380-40  
AR 380-5  
AR 380-67  
AR 700-127  
AR 700-138  
AR 700-4  
AR 700-70  
CJCSM 6231.01C  
CJCSM 6231.02B  
DA PAM 25-380-2  
FM 1-02  
FM 11-41  
FM 11-43  
FM 11-55  
FM 3-0  
FM 3-25.26  
FM 3-31.1  
FM 34-25  
FM 3-90  
FM 4-0  
FM 4-30.3  
FM 4-93.4  
FM 5-19  
FM 6-02.40  
FM 63-2  
FM 63-21  
FM 63-3  
FM 71-100  
TB 380-41

#### Related

Subject Area 11: Manage CNR Support

**MANAGE CNR SUPPORT AS A G6/J6**  
**113-485-6011**

**Conditions:** Using higher HQ OPORD/OPLAN, unit SOP, SOI, applicable references, equipment and task organization.

**Standards:** The CNR diagrams are developed, approved and published in the unit signal annex/OPORD/OPLAN and all applicable frequency and SARs are submitted IAW policy.

**Performance Steps**

1. Direct the IOM of the FM network.
2. Direct the IOM of the HF network.
3. Direct the IOM of the NB SATCOM network.
4. Direct the IOM of the data network.
5. Direct the IOM of the EPLRS BFT network.
6. Supervise NCS operations to include OTAR.
7. Distribute COMSEC/SOI.
8. Execute contingency COMPLAN.
9. Supervise/monitor RETRANS operations.
10. Implement Signal security countermeasures (action on JSIR).

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the IOM of the FM network.	_____	_____
a. Distributed COMSEC/SOI.		
b. Determined method to open net.		
(1) Conducted hot start opening.		
(2) Conduct cold start opening (send ERF if required).		
c. Maintained the FM network as the NCS.		
2. Directed the IOM of the HF network.	_____	_____
a. Ensured distribution of COMPLAN (ALE frequencies/format) and COMSEC.		
b. Determined antenna types.		
c. Established HF net as the NCS with respect to:		
(1) Priority.		
(2) Contact time/channel.		
(3) Voice and/or data.		
3. Directed the IOM of the NB SATCOM network.	_____	_____
a. Distributed COMSEC, frequencies (DAMA and/or single channel), azimuth and elevation.		
b. Determined antenna types.		
(1) Directional.		
(2) Omnidirectional.		
(3) LOS.		

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
4. Directed the IOM of the data network.	—	—
a. Distributed COMSEC/SOI.		
b. Activated the data network.		
(1) Opened the net.		
(2) Logged in all required users.		
c. Maintained the network.		
(1) Monitored Signal.		
(2) Adjusted COMPLAN as needed.		
(3) Updated COMSEC.		
5. Directed the IOM of the EPLRS BFT network.	—	—
a. Prepared radio sets for operations.		
b. Opened EPLRS net.		
(1) Conducted starting procedures.		
(2) Logged all terminals entering net.		
c. Conducted adjacent coordination.		
(1) Requested adjacent NCS date/time.		
(2) Maintained the network.		
d. Monitored systems.		
(1) Adjusted COMPLAN as needed.		
(2) Updated COMSEC.		
(3) Troubleshoot network.		
6. Supervised NCS operations to include OTAR.	—	—
a. Updated COMSEC as needed.		
(1) Activated FM networks.		
b. Monitored CNR nets.		
(1) Activated FM networks.		
(2) Activated HF network.		
(3) Activated SATCOM network.		
(4) Operated EPLRS/BFT FBCB2 net.		
(5) Operated data network.		
(6) Monitored joint/adjacent nets.		
c. Troubleshoot network.		
(1) Inspected grounding.		
(2) Inspected power systems.		
(3) Inspected antennas.		
(4) Adjusted to scheme of maneuver.		
7. Distributed COMSEC/SOI.	—	—
a. Determined method to distribute COMSEC/SOI.		
(1) Maintained physical distribution.		
(2) Conducted OTAR distribution.		
b. Distributed COMSEC.		
8. Executed contingency COMPLAN..	—	—
a. Verified need for activation of communications contingency plan.		
(1) Protected COMSEC compromise.		
(2) Protected radio net compromise.		
b. Determined method to notify and activate contingency plan.		
(1) Conducted net call with encrypted instructions.		
c. Initiated net call to ensure all users in net are active in new plan.		

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
9. Supervised/monitored RETRANS operations.	—	—
a. Updated COMSEC as needed.		
(1) Conducted OTAR.		
b. Troubleshoot RETRANS.		
(1) Inspected grounding.		
(2) Inspected power systems.		
(3) Inspected antenna.		
c. Adjusted to scheme of maneuver.		
(1) Reviewed battle tracking.		
(2) Updated CASEVAC plan.		
(3) Conducted RETRANS displacement operations.		
10. Implemented Signal security countermeasures (action on JSIR).	—	—
a. Determined validity of EMI; attempt to resolve at the lowest level.		
b. Submitted JSIR report.		
c. Established the ECCM.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
CJCSM 3320.01B	
FM 1-02	
FM 11-32	
FM 11-41	
FM 11-43	
FM 11-55	
FM 24-18	
FM 24-19	
FRAGO	
UNITOPORD	
UNIT SOP	
Tactical SOP	
TM 11-5820-890-10-7	
TM 11-5820-890-10-8	

Subject Area 12: Manage Information Assurance

**MANAGE INFORMATION ASSURANCE AS A G6/J6**

**113-397-6007**

**Conditions:** As a Signal Officer with information security/COMSEC responsibilities, using assigned personnel, network equipment resources, applicable regulations and references, using OPOD/FRAGO, unit SOPs, publications, IA plan, commander's guidance and a directive to implement an IA Program.

**Standards:** Ensured the network functioned without disruption from intrusion or viruses, providing a Defense in Depth (layered) solution to network security.

**Performance Steps**

1. Ensure Certification and Accreditation Packets are complete and re-accreditation occurs as required.
2. Ensure only authorized software is installed on government computers.
3. Maintain network firewalls and IDS.
4. Provide virus protection measures and ensure virus definitions are maintained and current, and the systems contain no malicious software.
5. Implement password protection mechanisms.
6. Update network operating systems and ensure the operating system includes all fixes and security patches.
7. Develop and periodically validate unit information management SOP.
8. Train personnel on information security.
9. Monitor information security measures.
10. Execute notification procedures in the event of a network attack.
11. Use automated management tools to monitor and analyze the network.
12. Ensure system recovery procedures are monitored and that security features and procedures are properly restored.
13. Ensure implementation of IAVM dissemination, reporting and compliance procedures.

**Performance Measures**

- |   | <u>GO</u> | <u>NO-GO</u> |
|---|-----------|--------------|
| 1. Ensured certification and accreditation packets are complete and re-accreditation occurs as required. The DITSCAP identifies the set of activities in a standardized process that allows for consistent and more secure network operations. <ol style="list-style-type: none"><li>a. The first phase is Definition which includes documenting the system environment, threats and individual roles in the overall process.</li><li>b. The second phase is Verification which includes verifying system compliance with agreed security requirements.</li><li>c. The third phase is Validation which includes evaluating the fully integrated and operational system.</li><li>d. The fourth phase is Post-accreditation which includes monitoring system management and operations.</li></ol> | —         | —            |

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
2. Ensured only authorized software is installed on government computers.	—	—
3. Maintained network firewalls and IDS.	—	—
4. Provided virus protection measures and ensured virus definitions are maintained and current, and the systems contain no malicious software.	—	—
5. Implemented password protection mechanisms.	—	—
6. Update network operating system and ensured the operating system includes all fixes and security patches.	—	—
7. Developed and periodically validated unit information management SOP.	—	—
8. Trained personnel on information security.	—	—
9. Monitored information security measures.	—	—
10. Executed notification procedures in the event of a network attack.	—	—
11. Used automated management tools to monitor and analyze the network.	—	—
12. Ensured system recovery procedures are monitored and that security features and procedures are properly restored.	—	—
13. Ensured implementation of IAVM dissemination, reporting and compliance procedures.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

AR 25-2  
 AR 380-40  
 AR 380-5  
 AR 380-53  
 TB 380-41

**Related**

DOD DIRECTIVE C-5200.5  
 EO13231  
 NSD-42  
 NSTISSI No. 1000  
 NSTISSP No.11  
 PUBLIC LAW 100-235  
 PUBLIC LAW 104-106

Subject Area 13: Manage COMSEC

**Manage COMSEC as a G6/J6**

**113-370-6007**

**Conditions:** Using assigned personnel and equipment, OPLAN/OPORD/FRAGO, unit SOP, applicable regulations and publications and commander’s guidance and in a garrison and tactical and/or Joint/Coalition electronics communications environment.

**Standards:** The theater network is secured and COMSEC material and devices are secured/handled IAW Army regulations.

**Performance Steps**

1. Update COMSEC SOP.
2. Account for COMSEC/CCI devices in the theater network.
3. Maintain theater network security through COMSEC updates.
4. Manage KEYMAT distribution.
5. Execute COMSEC destruction/zeroize plan.
6. Execute emergency COMSEC destruction plan.
7. Execute COMSEC change over plan.
8. Secure/store COMSEC materials.
9. Execute COMSEC compromise procedures
10. Enforce COMSEC policies and procedures.

**Performance Measures**

	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
1. Updated COMSEC SOP.	_____	_____
a. Established guidelines for company commanders.		
b. Reviewed guidelines established for unit use.		
c. Issued updated COMSEC SOP.		
2. Accounted for COMSEC/CCI devices in the theater network.	_____	_____
a. Identified COMSEC/CCI devices in the theater network.		
b. Developed matrix to track equipment within the theater network.		
3. Maintained theater network security through COMSEC updates.	_____	_____
a. Identified required COMSEC updates.		
b. Established matrix for COMSEC updates required.		
c. Performed COMSEC updates as required.		
4. Managed KEYMAT distribution.	_____	_____
a. Identified KEYMAT requiring distribution.		
b. Developed matrix for KEYMAT to be distributed.		
c. Developed schedule for distribution of KEYMAT.		
5. Executed COMSEC destruction/zeroize plan.	_____	_____
a. Identified COMSEC to be held for continued use.		
b. Identified COMSEC to be destroyed.		
c. Transported COMSEC to destruction site and inventory performed.		

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
d. Destroyed COMSEC and formally recorded destruction.		
e. Zeroized COMSEC from equipment no longer in use.		
6. Executed emergency COMSEC destruction plan.	—	—
a. Identified COMSEC to be held for immediate use.		
b. Identified COMSEC to be destroyed.		
c. Transported COMSEC to destruction site and performed inventory.		
d. Destroyed COMSEC and formally recorded destruction.		
e. Zeroized COMSEC from equipment not immediately required.		
7. Executed COMSEC change over plan.	—	—
a. Identified COMSEC for change over.		
b. Identified effects on equipment and theater networks.		
c. Notified units of change over.		
d. Changed COMSEC on command.		
e. Restored equipment and theater networks.		
8. Secured/store COMSEC materials.	—	—
a. Identified COMSEC and CCI required to be secured/stored.		
b. Identified storage site to protect COMSEC and CCI material.		
c. Transported COMSEC and CCI material to storage site.		
d. Inventoried COMSEC and CCI material as required for duration of storage.		
9. Executed COMSEC compromise procedures.	—	—
a. Reported or detected possible COMSEC compromise.		
b. Ensured COMSEC Custodian or alternate verifies COMSEC compromise.		
c. Determined effect of COMSEC compromise.		
d. Prepared COA for COMSEC compromise.		
e. Implemented COA.		
10. Enforced COMSEC polices and procedures.	—	—
a. Identified COMSEC hand receipt holders and users.		
b. Prepared schedule to inspect COMSEC.		
c. Performed COMSEC inspection.		
d. Reported COMSEC inspection results to commander.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
AR 380-40	
AR 380-5	
DA PAM 25-380-2	
FM 5-0	
FM 6-0	
FRAGO	
Tactical SOP	
TB 380-41	
UNIT OPLAN	
UNIT OPORD	
UNIT SOP	

Subject Area 14: Manage Internetwork Connectivity

**MANAGE INTERNETWORK CONNECTIVITY AS A G6/J6**

**113-494-6007**

**Conditions:** As a G6/J6 in a tactical field and Joint/Coalition battlefield environment using the approved network diagrams unit, higher HQ OPORD/OPLAN, applicable regulations and publications, unit SOP, unit MTOE, laptop or desktop with MS-Office software, telephone directory, maps and appropriate planning tools (markers, overlays, templates).

**Standards:** The network functioned IAW the approved network diagrams and OPORD/OPLAN and met user requirements.

**Performance Steps**

1. Direct the installation of the network.
2. Monitor the operation/quality of the network (ISYSCON, TIMS, HP Open View).
3. Execute reporting procedures.
4. Implement network contingency plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the network.	—	—
a. Reviewed OPORD, unit SOP, tactical SOP, and battle plans.		
b. Determined personnel and equipment assets available and operationally ready for deployment.		
c. Disseminated OPORD, Signal Annex, and specific tasks to subordinate units as required.		
2. Monitored the operation/quality of the network (ISYSCON, TIMS, HP Open View).	—	—
a. Ensured subordinates were aware of reporting procedures and identified changing/emerging requirements.		
b. Monitored OPORD, OPLAN, FRAGOs, WARNOs, to ensure they were maintained and accurately reflected unit mission changes.		
c. Reviewed and reported equipment operational and maintenance status reports.		
d. Reviewed subscriber connectivity.		
e. Communicated network issues relevant to commanders SA/SU.		
3. Executed reporting procedures.	—	—
4. Implemented network contingency plan.	—	—
a. Alerted assigned/attached unit leaders and signal officer.		
b. Reorganized equipment and personnel assets.		
c. Evaluated CONOPS plan.		
d. Reported SA/SU to commander.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References****Required**

AR 190-13  
AR 380-40  
AR 380-5  
AR 380-67  
AR 700-127  
AR 700-138  
AR 700-4  
AR 700-70  
CJCSM 6231.01C  
CJCSM 6231.02B  
DA PAM 25-380-2  
FM 1-02  
FM 11-41  
FM 11-43  
FM 11-55  
FM 3-0  
FM 3-25.26  
FM 3-31.1  
FM 34-25  
FM 3-90  
FM 4-0  
FM 4-30.3  
FM 4-93.4  
FM 5-19  
FM 6-02.40  
FM 63-2  
FM 63-21  
FM 63-3  
FM 71-100  
TB 380-41

**Related**

Subject Area 15: Manage the Restoration of Communications Services

**MANAGE THE RESTORATION OF COM SVCS AS A G6/J6**

**113-381-6003**

**Conditions:** As a G6/J6 in a garrison and tactical electronics communications environment or Joint/Coalition environment using the network diagrams and technical data, network monitoring equipment, applicable regulations and unit SOP/tactical SOP.

**Standards:** Restored service and met user network requirements.

**Performance Steps**

1. Initiate outage-reporting procedures.
2. Direct systematic isolation of outage.
3. Identify services affected by outage.
4. Identify/implement redundant capabilities/contingency plan.
5. Provide periodic updates to higher and lower level organizations on restoration progress.
6. Identify the RFO and formulate solution.
7. Coordinate external support for corrective action as needed (DS, GS, contractor).
8. Implement validated solution and systematic restoration of services.
9. Document RFO, corrective action, and submit final report.

**Performance Measures**

	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
1. Initiated outage-reporting procedures.	—	—
a. Verified outage type.		
(1) Single Channel/Multichannel.		
(2) Voice circuit/VOIP.		
(3) Data circuit.		
(4) Special circuit.		
b. Initiated contingency COMPLAN.		
2. Directed systematic isolation of outage.	—	—
a. Identified outage type.		
(1) Single Channel/Multichannel.		
(2) Voice circuit/VOIP.		
(3) Data circuit.		
(4) Special circuit.		
b. Initiated isolation of outage.		
3. Identified services affected by outage.	—	—
a. Determined type of circuits affected:		
(1) Single Channel/Multichannel.		
(2) Voice circuit/VOIP.		
(3) Data circuit.		
(4) Special circuit.		
b. Determined priority of affected circuits.		

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
4. Identified/implemented redundant capabilities/contingency plan. <ul style="list-style-type: none"> <li>a. Determined appropriate contingency communications system/plan for implementation.</li> <li>b. Implemented contingency plan.                             <ul style="list-style-type: none"> <li>(1) Notified all subscribers IAW SOP about the change to the COMPLAN.</li> <li>(2) Initiated contingency plan.</li> <li>(3) Conducted a communications check to verify all subscribers on contingency COMPLAN.</li> </ul> </li> </ul>	—	—
5. Provided periodic updates to higher and lower level organizations on restoration progress. <ul style="list-style-type: none"> <li>a. Tracked progress of troubleshooting network.</li> <li>b. Periodically updated higher and lower level organizations on troubleshooting/restoration status.</li> </ul>	—	—
6. Identified the RFO and formulate solution. <ul style="list-style-type: none"> <li>a. Identified cause of outage.                             <ul style="list-style-type: none"> <li>(1) Internal/external cause.</li> <li>(2) Cable/wire/fiber or radio.</li> <li>(3) Interference (power/radio frequency).</li> <li>(4) COMSEC.</li> </ul> </li> <li>b. Determined solution to restore outage.                             <ul style="list-style-type: none"> <li>(1) Outage fixed at user/unit level.</li> <li>(2) Outage required contractor/direct support.</li> </ul> </li> </ul>	—	—
7. Coordinated external support for corrective action as needed (DS, GS, and contractor) <ul style="list-style-type: none"> <li>a. Determined type of external support needed.                             <ul style="list-style-type: none"> <li>(1) Civilian contractor support.</li> <li>(2) Military DS/GS support.</li> </ul> </li> <li>b. Determined if support is required on site or part(s) must be evacuated.                             <ul style="list-style-type: none"> <li>(1) External support to sites.</li> <li>(2) Equipment requiring support needed to be evacuated.</li> </ul> </li> <li>c. Coordinated with supporting agency.                             <ul style="list-style-type: none"> <li>(1) Coordinated through higher.</li> <li>(2) Coordinated directly.</li> </ul> </li> </ul>	—	—
8. Implemented validated solution and systematic restoration of services. <ul style="list-style-type: none"> <li>a. Notified users/subordinates of restoration.</li> <li>b. Restore outage/services.                             <ul style="list-style-type: none"> <li>(1) Prioritized users.</li> </ul> </li> <li>c. Validated restoration/net call.                             <ul style="list-style-type: none"> <li>(1) Conducted CNR net call.</li> <li>(2) Tested voice/data message.</li> </ul> </li> </ul>	—	—
9. Documented RFO, corrective action, and submitted final report. <ul style="list-style-type: none"> <li>a. Documented RFO.                             <ul style="list-style-type: none"> <li>(1) Logged initial outage.</li> <li>(2) Logged troubleshooting outage.</li> <li>(3) Logged contingency communications activation.</li> <li>(4) Logged restoration of outage.</li> </ul> </li> <li>b. Reported RFO.                             <ul style="list-style-type: none"> <li>(1) Reported via phone.</li> <li>(2) Reported via data.</li> </ul> </li> </ul>	—	—

## STP 11-25A-OFS

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

### References

#### Required

FM 11-43

FM 5-0

TC 24-20

TC 24-21

#### Related

Subject Area 16: Coordinate Information Management

**COORDINATE INFORMATION MANAGEMENT AS A G6/J6**

**113-492-6003**

**Conditions:** As a G6/J6 in garrison, tactical field, battlefield environments of CPs, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and Ranger units; Reconnaissance units, Support units and Stryker units using OPLAN/OPORD, the applicable regulations and publications, higher HQ IMP, unit SOP, appropriate hardware and software documentation, GOTS/ COTS hardware/software/firmware/AV equipment and local command directives.

**Standards:** Integrated the unit commander's information management intent into the unit IMP, unit SOPs and followed by all subordinate units.

**Performance Steps**

1. Define/draft IMP.
2. Establish procedures and facilitate the timely flow of RI.
3. Coordinate, plan, and direct the establishment of C2 information systems.
4. Provide architecture necessary to collect, process, store, and disseminate RI to support C2 functions.
5. Manage CP display and audio/visual systems to provide the COP to all users.
6. Using OPLAN/OPORD, applicable regulations and publications, higher HQ IMP, unit SOP, appropriate GOTS and COTS hardware/software/firmware documentation and local command directives.
7. Influence CP layouts to optimized CP functionality and signal support assets.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Defined/drafted IMP and the unit commander's and higher HQ requirements.	—	—
a. Convened Information Management Board (IMB) as focal point for Information Management policy and procedures.		
b. Informed all staff elements of limitations on resources and commander's bandwidth priorities.		
(1) Ensured adequate network support to staff elements.		
2. Established procedures and facilitated the timely flow of RI.	—	—
a. Ensured that means of communications are at an optimal level.		
b. Ensured network adjustments were made according to bandwidth priority changes.		
3. Coordinated, planned, and directed the establishment of C2 information systems.	—	—
a. Supervised automation management.		
b. Ensured nonmilitary information systems are interoperable with military information systems.		
4. Provided architecture necessary to collect, process, store, and disseminate RI to support C2 functions.	—	—

**STP 11-25A-OFS**

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
5. Managed CP display and audio/visual systems to provide the COP to all users. a. Coordinated the staff interaction necessary to develop the COP within the CPs. b. Ensured all IM processes were supported by C4IM networks.	—	—
6. Using OPLAN/OPORD, applicable regulations and publications, higher HQ IMP, unit SOP, appropriate GOTS and COTS hardware/software/firmware documentation and local command directives.	—	—
7. Influenced CP layouts to optimize CP functionality and signal support assets.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- FM 3-0
- FM 5-0
- FM 6-0

**Related**

Skill Level 3

Subject Area 1: Plan Signal Support

**PLAN SIGNAL SUPPORT AS A BCT S6**

**113-427-6005**

**Conditions:** As a BCT S6 in a garrison, battlefield, joint/coalition, or electronics communications environment using MDMP, higher HQ and unit OPORD/FRAGO, unit SOP, IBM or compatible desktop multimedia computer, with 256 MB RAM, 40 GB hard drive, SVGA or VGA monitor, network card, CD-RW/DVD-ROM, Windows or UNIX operating system, application software as required, NMT (ISYSCON, HP Open View, SNMPc, NMT, NPT, TIMS, JNMS, DPEM, RAPTcr, TIVOLI, Remedy, Net Health), applicable regulations and publications and commander's guidance.

**Standards:** Approved and published the Signal estimate and annex to OPORD and met all user requirements. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access requests IAW policy.

**Performance Steps**

1. Identify user communication requirements.
2. Perform terrain analysis.
3. Recommend CP locations.
4. Develop COMSEC plan.
5. Prepare Signal estimates.
6. Prepare Signal plans.
7. Prepare Signal annexes.
8. Thru S3/G3/J3 task subordinate units in paragraph 9 (execution) of unit OPORD.
9. Create network diagrams (Data, CNR, MUX, Switch, LOS and BLOS).
10. Supervise production of IMP.
11. Develop frequency management plan.
12. Determine higher/lower reporting procedures.
13. Determine special services requirements (VTC, GBS, DCTS, IWS, CIE, etc.).
14. Plan contractor support.
15. Coordinate task organization and command relationships of signal teams.
16. Coordinate security and support requirements of signal teams.
17. Plan bandwidth allocation.

**Performance Measures**

**GO      NO-GO**

1. Identified user communication requirements.
  - a. Verified that the BN S6s/supported units have collected all communication requirements within their organization.
  - b. Analyzed all submitted requirements for accuracy, completeness and feasibility.

\_\_\_\_\_

\_\_\_\_\_

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
<ul style="list-style-type: none"> <li>c. Verified that the BN S6s understand each requirement and its impact on their mission.</li> <li>d. Prioritized user requirements submitted by the BN S6s based on commander's guidance.</li> </ul>	—	—
<ul style="list-style-type: none"> <li>2. Performed terrain analysis.                             <ul style="list-style-type: none"> <li>a. Documented all CP locations from G6 and BN S6s.</li> <li>b. Determined method of terrain analysis and LOS profile, manual or digital.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>3. Recommended CP locations.                             <ul style="list-style-type: none"> <li>a. Determined subordinate units scheme of maneuver.</li> <li>b. Identified the BCT communication asset limitations.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>4. Developed COMSEC plan.                             <ul style="list-style-type: none"> <li>a. Consolidated BN S6s COMSEC requirements.</li> <li>b. Determined BCT COMSEC requirements.</li> <li>c. Developed unit use/handling/distribution procedures.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>5. Prepared Signal estimates.                             <ul style="list-style-type: none"> <li>a. Analyzed each scheme of maneuver COA.</li> <li>b. Determined current signal equipment status.</li> <li>c. Determined subordinate unit's communication requirements.</li> <li>d. Identified available communication assets/shortfalls.</li> <li>e. Prioritized equipment and links.</li> <li>f. Identified communication threats.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>6. Prepared Signal plans.                             <ul style="list-style-type: none"> <li>a. Determined BCT and subordinate unit scheme of maneuver.</li> <li>b. Determined most feasible COA communication support.</li> <li>c. Disseminated plan to BN S6s and subordinate elements.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>7. Prepared Signal annexes.                             <ul style="list-style-type: none"> <li>a. Verified current enemy situation.</li> <li>b. Determined most feasible scheme of signal support.</li> <li>c. Determined subordinate unit tasks.</li> <li>d. Determined service support requirements.</li> <li>e. Disseminated annex to BN S6s and subordinate units with BCT OPRORD.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>8. Thru S3/G3/J3 tasked subordinate units in paragraph 3 (Execution) of unit OPORD.                             <ul style="list-style-type: none"> <li>a. Determined BCT requirements that need externally supported.</li> <li>b. Coordinated with S3 for appropriate tasker.</li> <li>c. Ensured tasked unit meets tasking.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>9. Created network diagrams (Data, CNR, MUX, Switch, LOS and BLOS).                             <ul style="list-style-type: none"> <li>a. Annotated all unit locations.</li> <li>b. Identified all current equipment in use, locations.</li> <li>c. Disseminated diagrams in OPORD or Signal Annex.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>10. Supervised production of IMP.                             <ul style="list-style-type: none"> <li>a. Determined information management requirements at BCT and BN S6 level.</li> <li>b. Disseminated IMP to BN S6.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>11. Developed frequency management plan.                             <ul style="list-style-type: none"> <li>a. Determined frequency requirements from BN S6s.</li> <li>b. Determined available frequency allocations.</li> <li>c. Disseminated authorized frequency list.</li> </ul> </li> </ul>	—	—

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
12. Determined higher/lower reporting procedures.	—	—
a. Identified reporting requirements for G6 and BN S6 to meet commanders critical information requirements.		
b. Determined reporting methods for BN S6 and G6.		
13. Determined special services requirements (VTC, GBS, DCTS, IWS, CIE, etc).	—	—
a. Determined user requirements for special services		
b. Documented all requirements for special services.		
c. Determined BCT ability to support user requirements with available assets.		
14. Planned contractor support.	—	—
a. Determined contractor requirements for mission.		
b. Identified contractor role and command relationships for support.		
c. Established procedure for trouble call reporting dispatching of contractor.		
15. Coordinated task organization and command relationships of signal teams.	—	—
16. Coordinated security and support requirements of signal teams.	—	—
a. Determined current task organization.		
b. Disseminated security requirements to subordinate BN S6 or BCT units.		
c. Determined that supported units are providing security and support.		
17. Planned bandwidth allocation.	—	—
a. Identified user BCT/BN S6 requirement and priority.		
b. Allocated bandwidth.		
c. Evaluated bandwidth use.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
AR 380-40	
AR 5-14	
AR 5-20	
FM 11-32	
FM 11-43	
FM 11-55	
FM 24-7	
FM 3-0	
FM 3-90	
FM 5-0	
FM 6-0	
FMI 6-02.45	
FM 6-02.85	
FM 7-0	

Subject Area 2: Plan Data Support

**PLAN DATA SUPPORT AS A BCT S6**  
**113-463-6002**

**Conditions:** Using the unit AIS plan, applicable regulations and publications, higher HQ OPORD/OPLAN, unit SOP, appropriate COTS hardware and software documentation, and local command directives.

**Standards:** Developed and approved the data network diagrams and configuration cut sheets. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access/service requests IAW policy.

**Performance Steps**

1. Determine user software/hardware requirements.
2. Determine requirement shortfalls and initiate procurement process.
3. Recommend bandwidth apportionment.
4. Produce network topology diagram.
5. Develop data contingency plan.
6. Develop transmission media specifications and requirements.
7. Develop automation/data network hardware/software distribution plan.
8. Plan for data network growth.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined user software/hardware requirements.	—	—
2. Determined requirement shortfalls and initiated procurement process.	—	—
3. Recommended bandwidth apportionment	—	—
4. Produced network topology diagram.	—	—
5. Developed data contingency plan.	—	—
6. Determined transmission media specifications and requirements.	—	—
7. Developed automation/data network hardware/software distribution plan.	—	—
a. Identified incoming hardware and software.		
b. Developed priority placement matrix.		
c. Coordinated equipment signing from supply.		
d. Determined/acquired manpower requirements for transportation and placement.		
e. Coordinated transportation of equipment.		
f. Removed old equipment.		
g. Installed new hardware/software according to SOP.		
8. Planned for data network growth.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

AIS PLAN  
AR 25-1  
FM 3-0  
UNIT OPLAN  
UNIT OPORD  
UNIT SOI  
UNIT Tactical SOP

**Related**

Subject Area 3: Plan Telephone Support

**Plan Telephone Support as a Brigade Combat Team S6  
113-351-6002**

**Conditions:** Using the higher HQ OPORD/OPLAN, unit SOP, appropriate telephone hardware and software documentation and local command directives.

**Standards:** Published the Signal Annex/OPORD/OPLAN and submitted all applicable access/service requests IAW unit policy.

**Performance Steps**

1. Determine user telephone requirements (tactical, VoIP, POTS, etc.).
2. Determine commercial cell/satellite/host nation phone procurement requirements (COTS, Iridium, INMARSAT, etc.).
3. Determine requirements for multilevel telephone security (commercial, tactical, DSN, DRSN).
4. Develop telephone network hardware/software distribution plan.
5. Determine user telephone specific COMSEC requirements.
6. Develop telephone contingency plan.
7. Produce telephone book/extract.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined user telephone requirements (tactical, VoIP, POTS, etc.).	—	—
a. Reviewed WARNO/OPORD/FRAGO for telephone requirements.		
b. Contacted users or attached users for any additional or special telephone requirements.		
c. Reported requirements to higher echelon signal office.		
2. Determined commercial cell/satellite/host nation phone procurement requirements (COTS, Iridium, INMARSAT, etc.).	—	—
a. Reviewed WARNO/OPORD/FRAGO for telephone requirements.		
b. Contacted users or attached users for any additional or special telephone requirements.		
c. Reported requirements to higher echelon signal office.		
d. Submitted SAR or GAR for existing requirements.		
3. Determined requirements for multilevel telephone security (commercial, tactical, DSN, DRSN).	—	—
a. Reviewed WARNO/OPORD/FRAGO for telephone requirements.		
b. Contacted users or attached users for any additional or special telephone requirements.		
c. Reported requirements to higher echelon signal office.		
4. Developed telephone network hardware/software distribution plan.	—	—
a. Reviewed MTOE equipment allocations.		
b. Established any specific instructions for allocations in Signal Annex.		
5. Determined user telephone specific COMSEC requirements.	—	—

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
6. Developed telephone contingency plan.	_____	_____
a. Determined priority of subscribers.		
b. Determined availability of reallocation assets.		
7. Produced telephone book/extract.	_____	_____
a. Provided higher echelon signal office with updates/extracts.		
b. Requested and received telephone books from higher echelon signal office.		
c. Provided special dialing instructions for higher, adjacent, subordinate units, as required.		

**Evaluation Guidance:** Score the soldier a GO if all PMs are passed. Score the soldier a NO-GO if any PM is failed. If the soldier fails any PM, show what was done wrong and how to do it correctly. Have the soldier perform the PMs until they are done correctly.

**References**

**Required**

- FM 1-02
- FM 11-41
- FM 11-43
- FM 11-55
- FM 3-0
- FM 3-25.26
- FM 3-90
- FM 4-30.3
- FM 5-19
- FM 6-02.40
- FMI 6-02.45

**Related**

Subject Area 4: Plan CNR Support

**PLAN CNR SUPPORT AS A BCT S6**

**113-485-6006**

**Conditions:** Using the unit and higher HQ OPORD/OPLAN, unit SOP, SOI, applicable references, equipment and task organization, tactical SOP, IBM or compatible desktop multimedia computer, with 256 MB RAM, 40 GB hard drive, SVGA card, VGA monitor, network card, CD-RW/DVD-ROM, Windows or UNIX operating system, ACES/JACS Software, SINCGARS, PSC-5C/D, PRC-117F, MBITR, EPLRS, PRC-150/IHFR, NTDR, FBCB2, SCAMP, LMR, CNRI, ICOM/PRC-127, JTRS, ABCS, TI/TIMs, TACLANE, SATCOM, DAMA, ANCD/DTD, KOK-22, HUS, AKMS; NVIS, dipole, inverted-V, OE-254, COM-201, QUEAMS, field expedient (antennas); in all weather, all terrain, garrison, tactical field, Joint/Coalition battlefield environments of CPs, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and Ranger units, Reconnaissance units, Support units and Stryker units.

**Standards:** The CNR network was functional IAW the unit OPORD/OPLAN and approved all applicable frequency and satellite requests; all contingency operations established and published. Priority of C2 support established.

**Performance Steps**

1. Identify user requirements for CNR networks.
2. Prepare network diagram (NB SATCOM, HF, FM, data/tactical Internet, FBCB2, EPLRS, JTRS, NTDR)
3. Generate SOI/extract (when acting as a JTF or separate BCT/UA).
4. Prepare and submit appropriate frequency/satellite requests.
5. Prepare contingency COMPLANs.
6. Develop a plan for RETRANS operations.
7. Develop signal security countermeasures.
8. Determine COMSEC requirements.
9. Determine plan for COMSEC key distribution.
10. Perform terrain analysis.
11. Supervise spectrum management planning.
12. Recommend CP locations.

**Performance Measures**

1. Identified user requirements for CNR networks.
  - a. Identified unit communications requirements for nonsignal unit.
    - (1) Reviewed voice requirements.
    - (2) Reviewed data requirements.
    - (3) Reviewed HF requirements.
    - (4) Reviewed FM requirements.
    - (5) Reviewed SATCOM requirements.
    - (6) Reviewed wire/cable requirements.
    - (7) Reviewed security/COMSEC requirements.

**GO      NO-GO**

\_\_\_\_\_

<b>Performance Measures</b>	<u>GO</u>	<u>NO-GO</u>
<ul style="list-style-type: none"> <li>b. Identified equipment capabilities and limitations.                             <ul style="list-style-type: none"> <li>(1) Reviewed FM equipment references.</li> <li>(2) Reviewed HF equipment references.</li> <li>(3) Reviewed SATCOM equipment references.</li> <li>(4) Reviewed EPLRS equipment references.</li> <li>(5) Reviewed NTDR equipment references.</li> <li>(6) Reviewed FBCB2 equipment references.</li> <li>(7) Reviewed BFT equipment references.</li> </ul> </li> </ul>		
<ul style="list-style-type: none"> <li>2. Prepared network diagram (NB SATCOM, HF, FM, data/tactical Internet, FBCB2, EPLRS, JTRS, NTDR).                             <ul style="list-style-type: none"> <li>a. Identified all subordinate units and communications requirements.</li> <li>b. Developed CNR network diagrams COMPLAN.                                     <ul style="list-style-type: none"> <li>(1) Developed CNR Network Diagrams COMPLAN.</li> <li>(2) Developed HF COMPLAN.</li> <li>(3) Developed SATCOM COMPLAN.</li> <li>(4) Developed Army Data Distribution System COMPLAN (FBCB2, NTDR, EPLRS, BFT).</li> </ul> </li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>3. Generated SOI/extract (when acting as a JTF or separate BCT/UA).                             <ul style="list-style-type: none"> <li>a. Identified all users/call signs.</li> <li>b. Published SOI (JCEOI if appropriate)/extracts.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>4. Prepared and submitted appropriate frequency/satellite requests.                             <ul style="list-style-type: none"> <li>a. Submitted SAR.</li> <li>b. Determined maximum useable frequencies for HF COMPLAN.</li> <li>c. Requested FM HOPSET(s).</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>5. Prepared contingency COMPLANs.                             <ul style="list-style-type: none"> <li>a. Developed contingency CNR C2 net.</li> <li>b. Disseminated/published contingency plans to subordinate units.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>6. Developed a plan for RETRANS operations.                             <ul style="list-style-type: none"> <li>a. Identified primary and alternate RETRANS requirements.                                     <ul style="list-style-type: none"> <li>(1) Recommended primary and alternate RETRANS sites.</li> <li>(2) Addressed any air-based RETRANS requirements.</li> </ul> </li> <li>b. Identified multiple RETRANS frequencies/nets (if applicable).</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>7. Developed signal security countermeasures.                             <ul style="list-style-type: none"> <li>a. Determined validity of EMI; attempt to resolve at the lowest level.</li> <li>b. Submitted JSIR report.</li> <li>c. Established the ECCM.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>8. Determined COMSEC requirements.                             <ul style="list-style-type: none"> <li>a. Determined what subordinate, adjacent or higher headquarters units involved.</li> <li>b. Determined equipment used in COMPLAN.</li> <li>c. Assisted Battlefield Spectrum Manager (BSM) with COMSEC development.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>9. Determined plan for COMSEC key distribution.                             <ul style="list-style-type: none"> <li>a. Established priority of COMSEC fills.</li> <li>b. Established purpose (time line) to distribute COMSEC.                                     <ul style="list-style-type: none"> <li>(1) Planned.</li> <li>(2) Unplanned (compromise).</li> </ul> </li> </ul> </li> </ul>	—	—

**STP 11-25A-OFS**

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
c. Distributed COMSEC. (1) Hand delivered. (2) OTAR. (3) Change COMSEC segment.		
10. Performed terrain analysis. a. Conducted analysis with appropriate topographical map or map datum and program. b. Determined best C2 locations (primary and alternate) based on mission requirements and terrain.	—	—
11. Supervised spectrum management planning.	—	—
12. Recommended CP locations. a. Determined unit's Scheme of Maneuver (based on terrain analysis). b. Received approval on primary and alternate C2 coverage for corresponding CP locations.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
CJCSM 3320.01B	
FM 11-32	
FM 11-41	
FM 11-55	
FM 11-65	
FM 24-11	
FM 24-18	
FM 24-19	
FM 5-0	
MTOE AND TDA	
TB 380-41	

Subject Area 5: Plan Information Assurance

**PLAN INFORMATION ASSURANCE AS A BCT S6**

**113-397-6002**

**Conditions:** Upon receiving a directive to implement an IA Program, complete the Level 1 IASO certification course (website: <http://ia.gordon.army.mil>) and the IA Level 2 Systems Administrator /Network Managers Security Course; using the unit commander's guidance, and the unit's network equipment resources, OPORD/FRAGO, SOPs, MTOE, IA plan; VISIO and PowerPoint software.

**Standards:** Procedures, policies and IA plans are in place to protect the network from viruses and network intrusions. The Signal Annex/OPORD/OPLAN is published and all applicable access requests are submitted IAW policy.

**Performance Steps**

1. Develop IA SOP and user training program.
2. Supervise Network Security Planning.
3. Develop equipment accreditation and user certification plans.
4. Develop personnel certification plans.
5. Provide IA specific technical data to developer of GAR.
6. Plan for implementation of IAVA directives.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Developed IA SOP and user training program.	—	—
a. Developed personnel training program.		
b. Tailored IA incident and intrusion reporting procedures to unit.		
2. Supervised Network Security Planning.	—	—
a. Directed inventory/accountability of network security assets.		
b. Identified user network security requirements.		
c. Coordinated special circuit/network requests.		
d. Programmed security protection measures between enclaves.		
e. Developed network diagram.		
f. Devised a tracking tool for maintaining accurate status of network security measures.		
3. Developed equipment accreditation and user certification plans.	—	—
a. Documented the system environment.		
b. Verified system compliance.		
4. Developed personnel certification plans	—	—
a. Documented personnel certification requirements.		
b. Scheduled/provided personnel certification training.		

## STP 11-25A-OFS

### Performance Measures

- |   | <u>GO</u> | <u>NO-GO</u> |
|---|-----------|--------------|
| 5. Provided IA specific technical data to developer of GAR.           | —         | —            |
| a. Identified user requirements for access outside enclave            |           |              |
| b. Detail STEP requirements including:                                |           |              |
| 5.2.1. Router type,   |           |              |
| 5.2.2. Software version,  |           |              |
| 5.2.3. Router port data rate,   |           |              |
| 5.2.4. Tactical user id,  |           |              |
| 5.2.5. Ethernet class c address(es),                                  |           |              |
| 5.2.6. Subnet mask,   |           |              |
| 5.2.7. Exterior routing protocol,                                     |           |              |
| 5.2.8. Interior routing protocol,                                     |           |              |
| 5.2.9. Encapsulation protocol   |           |              |
| 5.2.10. Encryption type   |           |              |
| 6. Planned for implementation of IAVA directives.                     | —         | —            |
| a. Standardize configuration for all unit information systems/assets. |           |              |
| b. Plan for dissemination and reporting of IAVA.                      |           |              |

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

### References

#### Required

AR 190-45  
AR 25-1  
AR 25-2  
AR 380-5  
AR 380-53

#### Related

DOD DIRECTIVE 8500.1E  
DOD INSTRUCTION 5200.40  
DOD INSTUCTION 8500.2

Subject Area 6: Plan Internetwork Connectivity

**PLAN INTERNETWORK CONNECTIVITY AS A BCT S6**

**113-494-6002**

**Conditions:** As a BCT S6 in a tactical field and Joint/Coalition battlefield environment using the OPORD, unit SOP/tactical SOP, unit MTOE, laptop or desktop with MS-Office software, telephone directory, maps and appropriate planning tools (markers, overlays, and templates)

**Standards:** Developed and approved the network diagrams and configuration cut sheets. Published the Signal Annex/OPORD/OPLAN and submitted all applicable access requests IAW policy.

**Performance Steps**

1. Determine support requirements.
2. Perform terrain analysis.
3. Determine available resources.
4. Determine/coordinate STEP/Teleport connectivity requirements
5. Plan the integration of lower and adjacent networks.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Determined support requirements.	—	—
a. Identified subscribers.		
b. Identified current and planned signal requirements from user.		
c. Identified priority requirements.		
d. Determined COMSEC requirements.		
2. Performed terrain analysis.	—	—
3. Determined available resources.	—	—
a. Identified all communications equipment.		
b. Identified any additional or special equipment needed.		
c. Identified any equipment shortfalls, not functional or unavailable.		
4. Determined/coordinated STEP/Teleport connectivity requirements.	—	—
a. Reviewed network diagram/OPORD for satellite connectivity.		
b. Submitted SAR through higher echelon signal operations.		
5. Planned the integration of lower and adjacent networks.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 190-13
- AR 380-40
- AR 380-5
- AR 380-67
- DA PAM 25-380-2
- FM 11-41
- FM 11-43

**Related**

## STP 11-25A-OFS

### References

#### Required

FM 11-55  
FM 24-11  
FM 3-0  
FM 3-25.26  
FM 4-30.3  
FM 5-0  
FM 5-19  
FM 6-02.40  
TB 380-41

#### Related

Subject Area 7: Plan COMSEC

**Plan COMSEC Support as a Brigade Combat Team S6  
113-370-6002**

**Conditions:** Using assigned equipment, higher HQ OPLAN/OPORD/FRAGO, applicable regulations and publications and commander's guidance and in a joint/coalition environment developed a supporting COMSEC plan.

**Standards:** Implemented the COMSEC plan to ensure that the network is secure and COMSEC material and devices are secured/handled IAW Army regulations. Approved and published the plan in the OPORD/OPLAN.

**Performance Steps**

1. Develop COMSEC SOP.
2. Develop accounting procedures for COMSEC/CCI devices in the network.
3. Review KEYMAT and CCI required.
4. Identify COMSEC sub-hand receipt holders.
5. Develop KEYMAT distribution plan.
6. Develop COMSEC destruction/zeroize plan.
7. Develop emergency COMSEC destruction plan.
8. Develop KEYMAT change over plan.
9. Identify a secure storage location for KEYMAT and CCI.
10. Develop COMSEC compromise procedures.
11. Develop COMSEC training plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Developed COMSEC SOP.	—	—
a. Developed guidelines for company commanders.		
b. Reviewed guidelines established for unit use.		
2. Developed accounting procedures for COMSEC/CCI devices in the network.	—	—
a. Identified COMSEC devices in the network diagram.		
b. Identified CCI devices in the network diagram.		
3. Reviewed KEYMAT and CCI required.	—	—
a. Reviewed KEYMAT and CCI requested.		
b. Reviewed KEYMAT and CCI requests submitted to the COMSEC custodian.		
c. Reviewed KEYMAT and CCI on hand or requested.		
4. Identified COMSEC sub-hand receipt holders.	—	—
5. Developed KEYMAT distribution plan.	—	—
a. Selected central point for KEYMAT distribution.		

**STP 11-25A-OFS**

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
6. Developed COMSEC destruction/zeroize plan.	—	—
a. Identified COMSEC to be held to continue mission.		
b. Identified COMSEC that must be destroyed base on expiration date.		
c. Selected destruction area.		
7. Developed emergency COMSEC destruction plan.	—	—
a. Identified minimum COMSEC that must held to continue mission.		
b. Selected destruction area and destroy COMSEC material.		
8. Developed KEYMAT change over plan.	—	—
a. Prepare schedule of when each KEYMAT in use is to be changed over.		
b. Trigger is developed for KEYMAT will be changed over.		
9. Identified a secure storage location for KEYMAT and CCI.	—	—
a. Identified KEYMAT and CCI to be held to for safe storage.		
b. Identified storage area for KEYMAT and CCI equipment.		
10. Developed COMSEC compromise procedures.	—	—
a. Determined effect of COMSEC compromise.		
b. Planned report of action to be taken for compromise.		
11. Developed COMSEC training plan.	—	—
a. Identified hand receipt holders' and users of COMSEC material.		
b. Prepared schedule of officers and senior NCOs to receive COMSEC hand receipt holders' training by the unit COMSEC custodian.		
c. Coordinated for the COMSEC custodian to train officers and senior NCOs on COMSEC hand receipt holder' responsibilities.		
d. Scheduled units to perform COMSEC training using Train-the-Trainer techniques.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 380-40
- AR 380-5
- DA PAM 25-380-2
- FM 11-43
- FM 5-0
- FM 6-0
- Tactical SOP
- TB 380-41
- UNIT SOP

**Related**

Subject Area 8: Manage Signal Support

**MANAGE SIGNAL SUPPORT AS A BCT S6**

**113-427-6009**

**Conditions:** Using assigned personnel and equipment, higher HQ and unit OPORD/FRAGO, unit SOP, applicable regulations and publications and commander's guidance and in all weather, all terrain, garrison, tactical, battlefield, Joint/Coalition environments of CP, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, reconnaissance units and support units.

**Standards:** The supported units received and disseminated relevant information to the right place at the right time IAW OPORD/FRAGO, network diagrams, unit SOP, applicable regulations, publications and commander's guidance.

**Performance Steps**

1. Evaluate changes in user communication requirements.
2. Supervise installation of the network.
3. Monitor network status and security.
4. Troubleshoot the network.
5. Manage COMSEC plan.
6. Manage bandwidth allocation.
7. Develop and maintain frequency management plan.
8. Implement higher/lower reporting procedures.
9. Coordinate task organization and command relationships of signal teams.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Evaluated changes in user communications requirements.	—	—
a. Recommended changes to current network design.		
b. Updated Signal Estimates.		
c. Updated Signal Plans.		
d. Issued FRAGOs as needed.		
e. Updated network diagrams. (Data, CNR, LOS, BLOS).		
f. Produced new diagrams reflecting new requirements.		
g. Managed communications assets.		
(1) Directed movement of assemblages in response to equipment failure, intelligence reports, or mission change.		
(2) Reallocated signal assets to support mission priorities.		
h. Provided communications SA.		
2. Supervised the installation of the network.	—	—
a. Established HF, TACSAT and FM networks with UEx G6 and BN S6s.		
b. Coordinated installation of network components with unit personnel.		
3. Monitored network status and security.	—	—
a. Solicited routine reports from BN S6s with respect to the quality of the established network.		
b. Analyzed reports to ensure network is operating properly.		

**STP 11-25A-OFS**

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
4. Troubleshoot the network. a. Troubleshoot to identify the fault. b. Reported to higher the cause and impact of the outage.	—	—
5. Managed COMSEC plan. a. Ensured hand receipt holders in the BCT S6 and the BN S6 sections are properly filling out paperwork. b. Ensured the COMSEC devices are stored properly.	—	—
6. Managed bandwidth allocation. a. Monitored changes and new equipment. b. Requested additional allocation from higher headquarters. c. Managed usage during critical phases or operations of the maneuver unit.	—	—
7. Developed and maintain frequency management plan. a. Gained frequencies from UEx G6 prior to movement to theater of operation. b. Submitted SARS for UA and subordinate echelons.	—	—
8. Implemented higher/lower reporting procedures. a. Reported to UEx/higher headquarters IAW SOP. b. Developed and received subordinate unit reporting procedures.	—	—
9. Coordinated task organization and command relationship of signal teams.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**  
FM 11-43  
FM 11-55  
FM 5-0

**Related**

**MANAGE SIGNAL SUPPORT AS A COMPANY COMMANDER**  
**113-427-6012**

**Conditions:** Using assigned personnel and equipment, higher HQ and unit OPORD/FRAGO, unit SOP, applicable regulations and publications, and commander's guidance in a garrison, field, battlefield, Joint/Coalition environment of CP, TOC, in combat, CS, or CSS units. Also, in maneuver units to include rear battle area, Special Forces, Ranger, Reconnaissance, and Stryker units under all weather conditions and terrain involved.

**Standards:** The supported units received and disseminated relevant information to the right place at the right time IAW OPORD/FRAGO, network diagrams, unit SOP, applicable regulations, publications, and commander's guidance.

**Performance Steps**

1. Evaluate changes in user communication requirements.
2. Supervise installation of the network.
3. Monitor network status and security.
4. Supervise troubleshooting of the network
5. Manage COMSEC plan.
6. Updated Signal plans.
7. Issue FRAGOs as needed.
8. Update network diagrams (Data, CNR, LOS and BLOS).
9. Reevaluate frequency plan.
10. Reallocate Signal assets to support priorities. (Implement network contingencies.)
11. Implement higher/lower reporting procedures.
12. Provide communications SA (updates and briefs IAW unit specific SOPs).

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Evaluated changes in user communication requirements.	—	—
a. Solicited changes in user requirements.		
b. Compared user requirements to assets on hand.		
c. Requisitioned additional assets if required.		
2. Supervised installation of the network.	—	—
a. Supervised procurement of equipment.		
b. Directed installation of the data network.		
c. Supervised development of network configuration management plan.		
d. Supervised development of reporting procedures for network security events.		
e. Provided data network SA.		
3. Monitored network status and security.	—	—
a. Reviewed status report.		
b. Identified network problems.		

**STP 11-25A-OFS**

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
4. Supervised troubleshooting of the network.	—	—
a. Ensured periodic reporting to higher HQ.		
b. Supervised identification of RFO and formulation of solution.		
c. Coordinated external support as needed (DS, GS, contractor).		
5. Managed COMSEC plan.	—	—
a. Supervised handling of COMSEC.		
(1) Supervised draw of COMSEC.		
(2) Supervised issue of COMSEC.		
(3) Supervised destruction of COMSEC.		
(4) Supervised documentation of COMSEC procedures.		
b. Updated COMSEC plan if required.		
6. Updated Signal plans.	—	—
a. Coordinated task organization of signal teams.		
b. Coordinated command relationships of signal teams.		
7. Issued FRAGOs as needed.	—	—
a. Compared current OPORD to changes that must be made to current operations to incorporate new user requirements		
b. Generated a FRAGO.		
8. Updated network diagrams (Data, CNR, LOS and BLOS).	—	—
a. Ensured platoon leaders develop network diagrams.		
(1) Verified all diagrams meet unit standards for completeness and clarity.		
(2) Recommended improvements to platoon leaders.		
b. Improvements incorporated into updated network diagrams.		
9. Reevaluated frequency plan.	—	—
a. Verified that platoon leader plans meet all network and user requirements.		
b. Developed recommendations for plan improvements.		
10. Reallocated Signal assets to support mission priorities. (Implement network contingencies).	—	—
a. Understood unit task organization.		
(1) Ensured platoon leaders understand unit task organization.		
(2) Established and facilitated communications between signal teams, staff, and commanders.		
b. Signal assets reconfigured to support mission priorities.		
11. Implemented higher/lower reporting procedures.	—	—
a. Developed an SOP.		
b. Distributed Reporting Procedures SOP.		
12. Provided communications SA (updates and briefs IAW unit specific SOPs).	—	—
a. Updated SA based on updates and briefs.		
b. Briefed superiors and peers on communications impact on operations.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

AR 25-2  
AR 380-40  
AR 380-5  
AR 5-14  
AR 5-20  
FM 11-24  
FM 11-32  
FM 11-41  
FM 11-43  
FM 11-55  
FM 24-11  
FM 24-7  
FMI 6-02.70

**Related**

Subject Area 9: Manage Data Support

**MANAGE DATA SUPPORT AS A BCT S6**

**113-463-6006**

**Conditions:** As a BCT S6 in garrison, tactical field, Joint and Coalition battlefield environments of CPs, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and Ranger units, Reconnaissance units, Support units and Stryker units using the approved network diagrams, unit and higher HQ OPORD/OPLAN, appropriate hardware and software, unit Automation Information Systems plan, applicable regulations and publications, unit SOP, appropriate COTS, and local command directives.

**Standards:** The data network functioned IAW the approved network diagrams (both physical and logical) published in the OPORD/OPLAN and met user software/hardware requirements.

**Performance Steps**

1. Procure equipment (software/hardware).
2. Direct the installation of the data network.
3. Monitor the operation of the data network.
4. Initiate troubleshooting of the data network.
5. Monitor and update data network security requirements IAW security procedures and regulations.
6. Maintain the data network.
7. Manage network changes.
8. Direct network configuration management.
9. Ensure operators are trained in the operation and employment of common user software/hardware.
10. Execute reporting procedures for network security events.
11. Ensure data network/automation hardware/software distribution plan is followed.
12. Supervise data network/automation hardware/software maintenance.
13. Provide data network SA to the commander.

**Performance Measures**

	<u><b>GO</b></u>	<u><b>NO-GO</b></u>
1. Procured equipment (software/hardware).	_____	_____
a. Identified needed hardware.		
b. Identified software requirements.		
2. Directed the installation of the data network.	_____	_____
a. Determined the number of hosts per segment.		
b. Determined the media type per segment.		
c. Determined routing requirements.		
d. Directed the priority of installation.		
3. Monitored the operation of the data network.	_____	_____
4. Initiated troubleshooting of the data network.	_____	_____
5. Monitored and updated data network security requirements.	_____	_____

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
6. Maintained the data network.	—	—
7. Managed network changes.	—	—
8. Directed network configuration management.	—	—
9. Ensured operators are trained in the operation and employment of common user software/hardware.	—	—
a. Identified critical training tasks.		
b. Developed a training plan for information technology/information system skills.		
10. Executed reporting procedures for network security events.	—	—
11. Ensured data network/automation hardware/software distribution plan is followed.	—	—
a. Identified hardware.		
b. Identified software.		
c. Followed priority placement matrix.		
d. Coordinated equipment hand receipts from unit supply.		
e. Determined/acquired manpower needed to transport and place equipment.		
f. Determined transportation requirements.		
g. Developed plan for displaced hardware and software.		
h. Installed hardware/software IAW commander's guidance.		
12. Supervised data network/automation hardware/software maintenance.	—	—
13. Provided data network SA to the commander.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 25-2
- COTS H/S DOCUMENTATION
- FM 3-0
- LOCAL CMD DIRECTIVE
- MTOE AND TDA
- UNIT SOI
- UNIT SOP

**Related**

**MANAGE DATA SUPPORT AS A COMPANY COMMANDER**

**113-463-6009**

**Conditions:** Using assigned personnel, equipment, higher unit OPORD/FRAGO, unit SOP, applicable regulations and publications, the MDMP, commander's guidance, operational network, network status tracking software and approved network changes directive.

**Standards:** Managed data support, identified potential problems, isolated and repaired network problems, changed network to meet current user requirements, submitted required reports IAW SOP, briefed commander on status of the network, implemented scheduled and emergency maintenance plan.

**Performance Steps**

1. Monitor network status.
2. Supervise changes to network.
3. Implement maintenance plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Monitored network status.	_____	_____
a. Reviewed status report.		
b. Identified network problems.		
2. Supervised changes to network.	_____	_____
a. Supervised procurement of equipment.		
b. Directed installation of the data network.		
c. Directed troubleshooting of the data network.		
d. Supervised network configuration management.		
e. Supervised reporting procedures for network security events.		
f. Provided data network SA to the commander.		
3. Implemented maintenance plan.	_____	_____
a. Scheduled regular maintenance.		
b. Supervised repair procedures.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

- Required**
- AR 25-2
  - AR 380-40
  - AR 380-5
  - FM 11-24
  - FM 11-32
  - FM 11-41
  - FM 11-43
  - FM 11-55
  - FM 24-11
  - FM 24-7
  - FM 5-0
  - FM 6-0

**Related**

Subject Area 10: Manage Telephone Support

**Manage Telephone Support as a Brigade Combat Team S6  
113-351-6006**

**Conditions:** Using the unit and higher HQ OPORD/OPLAN, unit SOP, unit telephone book, appropriate telephone hardware and software documentation, local command directives, approved telephone network diagrams and equipment.

**Standards:** The telephone network functioned IAW the approved telephone network diagram published in the unit OPORD/OPLAN and met user telephone requirements.

**Performance Steps**

1. Direct the installation of the telephone networks.
2. Monitor user telephone requirements.
3. Implement user telephone network security plan.
4. Activate telephone contingency plan.
5. Maintain telephone/extract.
6. Integrate higher, lower, adjacent telephone networks.
7. Integrate coalition/joint telephone support.
8. Procure cell/satellite commercial telephones (COTS, Iridium, INMARSAT).

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the telephone networks.	_____	_____
a. Verified placement of switches/equipment and antennas.		
b. Verified status of switch/equipment.		
c. Placed telephone call.		
2. Monitored user telephone requirements.	_____	_____
a. Monitored subscribers.		
b. Verified switch equipment operations.		
3. Implemented user telephone security plan.	_____	_____
a. Verified and checked physical security.		
b. Verified and checked cryptographic equipment.		
4. Activated telephone contingency plan.	_____	_____
a. Verified CNR network was functional.		
5. Maintained telephone book/extract.	_____	_____
a. Received telephone book or extracted changes.		
b. Disseminated telephone book to all users.		
c. Maintained special dialing instructions as the network changed.		
6. Integrated higher, lower adjacent telephone networks.	_____	_____
7. Integrated coalition/joint telephone support.	_____	_____

**STP 11-25A-OFS**

**Performance Measures**

**GO**    **NO-GO**

- 8. Procured cell/satellite commercial telephones (COTS, Iridium, INMARSAT).
  - a. Verified subscriber requirements.
  - b. Submitted subscriber requirements to higher echelon signal operations office.
  - c. Requested and received funds or procurement directives from unit logistics operations.

\_\_\_\_\_

\_\_\_\_\_

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 700-127
- AR 700-138
- AR 700-4
- AR 700-70
- CJCSM 6231.01C
- CJCSM 6231.02B
- FM 1-02
- FM 11-41
- FM 11-43
- FM 11-55
- FM 3-0
- FM 4-30.3
- FM 5-19
- FM 6-02.40

**Related**

**Manage Telephone Support as a Company Commander**  
**113-351-6009**

**Conditions:** Using OPORD, commander's guidance, unit SOP, established network, and network monitoring tools.

**Standards:** Switching network is operational and all met all subscriber service requirements. Identified potential problems and took corrective action.

**Performance Steps**

1. Monitor network status.
2. Supervise changes to network.
3. Implement maintenance plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Monitored network status.	_____	_____
a. Reviewed status report.		
b. Identified network problems.		
2. Supervised changes to network.	_____	_____
a. Directed installation of the network.		
b. Supervised reporting procedures.		
c. Supervised implementation of network contingency plan.		
d. Provided network SA.		
3. Implemented maintenance plan.	_____	_____
a. Scheduled regular maintenance.		
b. Supervised repair procedures.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

- Required**  
 FM 11-41  
 FM 11-43  
 FM 11-55

**Related**

Subject Area 11: Manage CNR Support

**MANAGE CNR SUPPORT AS A BCT S6**

**113-485-6010**

**Conditions:** Using the unit and higher HQ OPORD/OPLAN, unit SOP, SOI, applicable references, equipment and task organization, tactical SOP, IBM or compatible desktop multimedia computer, with 256 MB RAM, 40 GB hard drive, SVGA card, VGA monitor, network card, CD-RW/DVD-ROM, Windows or UNIX operating system, ACES/JACS Software, SINGGARS, PSC-5C/D, PRC-117F, MBITR, EPLRS, PRC-150/IHFR, NTDR, FBCB2, SCAMP, LMR, CNRI, ICOM/PRC-127, JTRS, ABCS, TI/TIMs, TACLANE, SATCOM, DAMA, ANCD/DTD, KOK-22, -HUS, -AKMS; NVIS, dipole, inverted-V, OE-254, COM-201, QUEAMS, field expedient (antennas); in all weather, all terrain, garrison, tactical field, joint/coalition battlefield environments of CP, TOCs, in combat, CS, or CSS units, maneuver units to include rear battle area, Special Forces and Ranger units, Reconnaissance units, Support units and Stryker units.

**Standards:** Developed, approved, and published the CNR network diagrams in the unit Signal Annex/OPORD/OPLAN and submitted all applicable frequency and SARs IAW policy.

**Performance Steps**

1. Direct the IOM of the FM network.
2. Direct the IOM of the HF network.
3. Direct the IOM of the TACSAT network.
4. Direct the IOM of the data network.
5. Direct the IOM of the EPLRS network.
6. Supervise NCS operations to include OTAR.
7. Execute contingency COMPLAN.
8. Supervise/monitor RETRANS operations.
9. Implement signal security countermeasures (action on JSIR).

**Performance Measures**

- |   | <u>GO</u> | <u>NO-GO</u> |
|---|-----------|--------------|
| 1. Directed the IOM of the FM network.                                  | _____     | _____        |
| a. Distributed COMSEC/SOI.  |           |              |
| b. Determined method to open net.                                       |           |              |
| (1) Conducted Hot Start opening.  |           |              |
| (2) Conducted Cold Start opening (Send ERF if required).                |           |              |
| c. Maintained the FM Network as the NCS.                                |           |              |
| 2. Directed the IOM of the HF network.                                  | _____     | _____        |
| a. Ensured distribution of COMPLAN (ALE frequencies/format) and COMSEC. |           |              |
| b. Determined antenna types.  |           |              |
| c. Established HF net as the NCS with respect to:                       |           |              |
| (1) Priority.   |           |              |
| (2) Contact time/channel.   |           |              |
| (3) Voice and/or data.  |           |              |

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
3. Directed the IOM of the TACSAT network.	—	—
a. Distributed COMSEC, frequencies (DAMA and/or single channel), azimuth and elevation.		
b. Determined antenna types.		
(1) Reviewed directional characteristics.		
(2) Reviewed omnidirectional characteristics.		
(3) Reviewed line of sight characteristics.		
c. Established SATCOM network as NCS.		
(1) Established priority.		
(2) Established contact time/channel.		
(3) Established voice and/or data.		
d. Maintained SATCOM network.		
(1) Monitored channel quality.		
(2) Updated COMSEC.		
(3) Updated SATCOM network (as required).		
(4) Troubleshoot SATCOM network.		
4. Directed the IOM of the data network.	—	—
a. Distributed COMSEC/SOI.		
b. Activated the data network.		
(1) Opened the net.		
(2) Logged in all required users.		
c. Maintained the network.		
(1) Monitor signal.		
(2) Adjusted COMPLAN as needed.		
(3) Updated COMSEC.		
(4) Troubleshoot network.		
5. Directed the IOM of the EPLRS network.	—	—
a. Prepared radio sets for operations.		
b. Opened EPLRS net.		
(1) Conducted starting procedures.		
(2) Logged all terminals entering net.		
c. Conducted adjacent coordination.		
(1) Requested adjacent NCS date/time.		
d. Maintained the network.		
(1) Monitored systems.		
(2) Adjusted COMPLAN as needed.		
(3) Updated COMSEC.		
(4) Troubleshoot network.		
6. Supervised NCS operations to include OTAR.	—	—
a. Updated COMSEC as needed.		
(1) Conducted OTAR.		
b. Monitored CNR nets.		
(1) Reviewed FM networks.		
(2) Reviewed HF network.		
(3) Reviewed SATCOM network.		
(4) Reviewed EPLRS/BFT FBCB2 net.		
(5) Reviewed data network.		
(6) Reviewed joint/adjacent nets.		
c. Troubleshoot Network.		
(1) Reviewed grounding techniques.		
(2) Reviewed power systems.		
(3) Reviewed antennas.		

## STP 11-25A-OFS

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
d. Adjusted to scheme of maneuver. (1) Reviewed battle tracking. (2) Updated CASEVAC plan. (3) Conducted RETRANS displacement operations.		
7. Executed contingency COMPLAN. a. Determined method to notify and activate Contingency Plan. (1) Conducted net call with encrypted instructions. b. Initiated net call to ensure all users in networkt are active in new plan.	—	—
8. Supervised/monitored RETRANS operations. a. Updated COMSEC as needed. (1) Conducted OTAR. b. Troubleshoot RETRANS. (1) Inspected grounding. (2) Inspected power systems. (3) Inspected antenna. c. 3 Adjusted to scheme of maneuver. (1) Reviewed battle tracking. (2) Updated CASEVAC plan (3) Conducted RETRANS displacement operations.	—	—
9. Implemented signal security countermeasures (action on JSIR). a. Determined validity of EMI; attempt to resolve at the lowest level. b. Submitted JSIR report IAW CJCSM 3320.01B. c. Established the ECCM.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

### References

**Required**  
AR 380-40  
AR 380-5  
CJCSM 3320.01B  
FM 11-32  
FM 11-41  
FM 11-43  
FM 11-55  
FM 11-65  
FM 24-11  
FM 24-18  
FM 24-19  
FM 5-0  
FM 6-0

### Related

**MANAGE CNR SUPPORT AS A COMPANY COMMANDER**

**113-485-6013**

**Conditions:** Using assigned personnel, equipment, higher unit OPORD/FRAGO, unit SOP, applicable regulations and publications, the MDMP, commander's guidance, established CNR network, restoral plan, reporting procedures and terrain analysis.

**Standards:** Managed operational CNR networks, identified outages and corrective actions initiated, identified areas of weak coverage and COAs developed to improve coverage, executed contingency plan, implemented countermeasures, placed RETRANS teams and implemented regular maintenance plan and emergency repair procedures.

**Performance Steps**

1. Monitor CNR status.
2. Supervise changes to CNR network.
3. Implemented maintenance plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Monitored CNR status.	_____	_____
a. Reviewed status report.		
b. Identified coverage problems.		
2. Supervised changes to CNR network.	_____	_____
a. Directed the IOM of the FM network.		
b. Directed the IOM of the HF network.		
c. Directed the IOM of the single-channel TACSAT network.		
d. Directed the IOM of the NTDR network.		
e. Directed the IOM of the EPLRS network.		
f. Supervised distribution of COMSEC.		
g. Supervised execution of contingency COMPLAN.		
h. Supervised RETRANS operations.		
i. Implemented signal security countermeasures (action on JSIR).		
3. Implemented maintenance plan.	_____	_____
a. Scheduled regular maintenance.		
b. Supervised repair procedures.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
AR 25-2	
AR 380-40	
AR 380-5	
FM 11-24	
FM 11-32	
FM 11-41	
FM 11-43	
FM 11-55	
FM 24-11	
FM 24-18	

## STP 11-25A-OFS

### References

#### Required

FM 24-19  
FM 24-7  
FM 5-0  
FM 6-0  
FMI 6-02.70

#### Related

Subject Area 12: Manage Information Assurance

**MANAGE INFORMATION ASSURANCE AS A BCT S6**

**113-397-6006**

**Conditions:** As a Signal Officer at the BCT level with information/COMSEC responsibilities, using assigned personnel, network equipment resources, applicable regulations and references, using OPORD/FRAGO, unit SOPs, publications, IA plan, commander's guidance and a directive to implement an IA Program.

**Standards:** Ensure the network functions without disruption from intrusion or viruses, providing a Defense in Depth (layered) solution to network security.

**Performance Steps**

1. Ensure all information system users have security required at their level (user, manager, administrator) and they are provided guidance on IA requirements.
2. Protect against intentional and unintentional destruction or alteration of data.
3. Ensure IAVA directives are distributed and implemented to the user level.
4. Monitor network status, security, and reporting measures to counter intrusions and viruses.
5. Implement password protection policies.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Ensured all information system users had security training required at their level (user, manager, administrator) and they are provided guidance on IA requirements.	—	—
2. Protected against intentional and unintentional destruction or alteration of data. <ol style="list-style-type: none"> <li>a. Enforced the policy and IA management plan that only authorized software is installed on government computers.</li> <li>b. Implemented emergency data backup and recovery plan.</li> <li>c. Complied with applicable unit COMSEC requirements.</li> <li>d. Monitored network activity.</li> </ol>	—	—
3. Ensured IAVA directives are distributed and implemented to the user level.	—	—
4. Monitored network status, security, and reporting measures to counter intrusions and viruses. <ol style="list-style-type: none"> <li>a. Validated virus protection measures, definitions are maintained and current and information systems contain no malicious software.</li> <li>b. Maintained network firewalls and IDS.</li> </ol>	—	—
5. Implemented password protection policies.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

## STP 11-25A-OFS

### References

#### Required

AR 25-2  
AR 380-40  
AR 380-5  
AR 380-53  
TB 380-41

#### Related

DOD INSTRUCTION 8500.2  
DOD DIRECTIVE C-5200.5  
EO13231  
NSD-42  
NSTISSI No. 1000  
NSTISSP No. 11  
PUBLIC LAW 100-235  
PUBLIC LAW 104-106  
UNIT SOP

**MANAGE INFORMATION ASSURANCE AS A COMPANY COMMANDER**  
**113-397-6009**

**Conditions:** Using unit OPORD, SOP, tactical SOP, applicable regulations and publications, appropriate equipment technical manuals, and commander's guidance.

**Standards:** Managed the IA program IAW policy outlined in AR-25-1.

**Performance Steps**

1. Monitor network status.
2. Supervise changes to the CNR network.
3. Implement maintenance plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Monitored Network Status.	_____	_____
a. Reviewed Status Report.		
b. Network Problems.		
2. Supervised changes to the network.	_____	_____
a. Supervised procurement of equipment.		
b. Monitored the use of the data network.		
c. Supervised network configuration management.		
d. Supervised reporting procedures for network security events.		
e. Provided data network SA to the commander.		
3. Implemented maintenance plan.	_____	_____
a. Scheduled software updates and patching.		
b. Supervised hardware repair and replacement procedures.		
4. Ensured proper network access.	_____	_____
a. Determined user access requirements.		
b. Supervised user training.		
c. Ensured all user certification and training remains current.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

- AR 25-1
- AR 25-2
- AR 380-5
- AR 380-53
- FM 11-43

**Related**

- DOD DIRECTIVE 8500.1E
- DOD INSTUCTION 8500.2

Subject Area 13: Manage COMSEC

**Manage COMSEC as a Brigade Combat Team S6  
113-370-6006**

**Conditions:** Using assigned personnel and equipment, OPLAN/OPORD/FRAGO, unit SOP, applicable regulations, publications and commander's guidance and in a garrison and tactical and/or joint/coalition electronics communications environment.

**Standards:** Secured the brigade network and secured/handled COMSEC material and devices IAW Army regulations.

**Performance Steps**

1. Update COMSEC SOP.
2. Account for COMSEC/CCI devices in the brigade network
3. Maintain brigade network security through COMSEC updates.
4. Manage KEYMAT distribution.
5. Execute COMSEC destruction/zeroize plan.
6. Execute emergency COMSEC destruction plan.
7. Execute COMSEC change over plan.
8. Secure/store COMSEC materials.
9. Execute COMSEC compromise procedures.
10. Enforce COMSEC policies and procedures.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Updated COMSEC SOP.	_____	_____
a. Established guidelines for company commanders.		
b. Reviewed guidelines established for unit use.		
c. Issued updated COMSEC SOP.		
2. Accounted for COMSEC/CCI devices in the brigade network.	_____	_____
a. Identified COMSEC/CCI devices in the brigade network.		
b. Developed matrix to track equipment within the brigade network.		
3. Maintained brigade network security through COMSEC updates.	_____	_____
a. Identified required COMSEC updates.		
b. Established matrix for COMSEC updates required.		
c. Performed COMSEC updates as required.		
4. Managed KEYMAT distribution.	_____	_____
a. Identified KEYMAT requiring distribution.		
b. Developed matrix for KEYMAT to be distributed.		
c. Developed schedule for distribution of KEYMAT.		
5. Executed COMSEC destruction/zeroize plan.	_____	_____
a. Identified COMSEC to be held for continued use.		
b. Identified COMSEC to be destroyed.		
c. Transported COMSEC to destruction site and inventory performed.		

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
d. Destroyed COMSEC and formally recorded destruction.		
e. Zeroized COMSEC from equipment no longer in use.		
6. Executed emergency COMSEC destruction plan.	---	---
a. Identified COMSEC to be held for immediate use.		
b. Identified COMSEC to be destroyed.		
c. Transported COMSEC to destruction site and performed inventory.		
d. Destroyed COMSEC and formally recorded destruction.		
e. Zeroized COMSEC from equipment not immediately required.		
7. Executed COMSEC change over plan.	---	---
a. Identified COMSEC to be changed over.		
b. Identified effects on equipment and brigade networks.		
c. Notified units of change over.		
d. Changed COMSEC on command.		
e. Restored equipment and brigade networks.		
8. Secured/store COMSEC materials.	---	---
a. Identified COMSEC and CCI required to be secured/stored.		
b. Identified storage site to protect COMSEC and CCI material.		
c. Transported COMSEC and CCI material to storage site.		
d. Inventoried COMSEC and CCI material as required for duration of storage.		
9. Executed COMSEC compromise procedures.	---	---
a. Reported or detected possible COMSEC compromise.		
b. Ensured COMSEC custodian or alternate verifies COMSEC compromise.		
c. Determined effect of COMSEC compromise.		
d. Prepared COA for COMSEC compromise.		
e. Implemented COA.		
10. Enforced COMSEC policies and procedures.	---	---
a. Identified COMSEC hand receipt holders and users.		
b. Prepared schedule to inspect COMSEC.		
c. Performed COMSEC inspection.		
d. Reported COMSEC inspection results to commander.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
AR 380-40	
AR 380-5	
DA PAM 25-380-2	
FM 11-32	
FM 11-43	
FM 5-0	
FM 6-0	
FRAGO	
Tactical SOP	
TB 380-41	
UNIT OPLAN	
UNIT OPORD	
UNIT SOI	

**MANAGE COMSEC AS A COMPANY COMMANDER**

**113-370-6009**

**Conditions:** Using assigned personnel, equipment, directive from higher, unit SOP, CJCSI 3320.02A, report of compromise and new keys.

**Standards:** Managed COMSEC IAW regulations; received, issued and destroyed paperwork; all devices rekeyed and operational.

**Performance Steps**

1. Supervise COMSEC handling procedure.
2. Supervise COMSEC changeover procedures.
3. Supervise COMSEC compromise procedures.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Supervised COMSEC handling procedures.	—	—
a. Supervised draw of COMSEC.		
b. Supervised issue of COMSEC.		
c. Supervised destruction of COMSEC.		
d. Supervised documentation of COMSEC procedures.		
2. Supervised COMSEC changeover procedures.	—	—
3. Supervised COMSEC compromise procedures.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**  
AR 380-40  
AR 380-5  
FM 11-43

**Related**

Subject Area 14: Manage Internetwork Connectivity

**MANAGE INTERNETWORK CONNECTIVITY AS A BCT S6**

**113-494-6006**

**Conditions:** As a BCT S6 in a tactical field environment or joint and coalition battlefield using the OPORD, unit SOP/tactical SOP, unit MTOE, laptop or desktop with MS-Office software, telephone directory, maps and appropriate planning tools (markers, overlays, templates).

**Standards:** The network functioned IAW the approved network diagrams and OPORD/OPLAN and met user requirements.

**Performance Steps**

1. Direct the installation of the network.
2. Monitor the operation/quality of the network.
3. Manage network changes.
4. Execute reporting procedures.
5. Implement network contingency plan.
6. Provide network SA to the commander.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Directed the installation of the network.	—	—
a. Verified site setup (equipment placement, antenna orientation).		
b. Verified radio/satellite systems (placement, frequencies, orientation, altitude).		
2. Monitored the operation/quality of the network.	—	—
a. Reviewed and reported operational and maintenance switch status reports.		
b. Reviewed subscriber connectivity.		
3. Managed network changes.	—	—
4. Executed reporting procedures.	—	—
5. Implemented network contingency plan.	—	—
a. Started necessary movement.		
b. Established new signal site location.		
c. Verified initialize and operation of switch/LOS/ communication equipment.		
6. Provided network SA to the commander.	—	—

## STP 11-25A-OFS

### References

#### Required

FM 11-41  
FM 11-43  
FM 11-55  
FM 3-0  
FM 5-0  
FM 5-19  
FM 6-0  
FM 6-02.40  
MTOE AND TDA  
Tactical SOP  
UNIT SOP

#### Related

**MANAGE INTERNETWORK CONNECTIVITY AS A COMPANY COMMANDER**

**113-494-6009**

**Conditions:** Using assigned personnel, equipment, higher unit OPORD/FRAGO, unit SOP, applicable regulations and publications, the MDMP, commander's guidance, contingency plan and operational network.

**Standards:** Managed Internetwork connectivity, identified operational and potential problems, initiated corrective action, submitted reports IAW unit SOP, briefed commanders on network status and potential problems, maintained equipment IAW equipment TMs, completed emergency maintenance, and restored services.

**Performance Steps**

1. Monitor network status.
2. Supervise changes to network.
3. Implement maintenance plan.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Monitored network status.	_____	_____
a. Reviewed status report.		
b. Identified network problems.		
2. Supervised changes to network.	_____	_____
a. Directed the installation of the network (LOS, multichannel TACSAT, TROPO).		
b. Supervised reporting procedures.		
c. Supervised implementation of network contingency plan.		
d. Provided network SA to commander.		
3. Implemented maintenance plan.	_____	_____
a. Scheduled regular maintenance.		
b. Supervised emergency maintenance.		

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
FM 11-24	
FM 11-32	
FM 11-41	
FM 11-43	
FM 11-55	
FM 24-11	
FM 24-7	

Subject Area 15: Manage the Restoration of Communications Services

**MANAGE THE RESTORATION OF COM SVCS AS A BCT S6**

**113-381-6002**

**Conditions:** As a BCT S6 in a garrison and tactical electronics communications environment or joint/coalition environment using the network diagrams and technical data, network monitoring equipment, applicable regulations and unit SOP/tactical SOP.

**Standards:** Restored service to meet user network requirements.

**Performance Steps**

1. Initiate outage reporting procedures.
2. Direct systematic isolation of outage.
3. Identify services affected by outage.
4. Identify/implement redundant capabilities/contingency plan.
5. Provide periodic updates to higher and lower level organizations on restoration progress.
6. Identify the RFO and formulate solution.
7. Coordinate external support for corrective action as needed (DS, GS, contractor).
8. Implement validated solution and systematic restoration of services.
9. Document RFO, corrective action, and submit final report.

**Performance Measures**

1. Initiated outage reporting procedures.
  - a. Verified outage type.
    - (1) Single channel/multichannel.
    - (2) Voice circuit/VOIP.
    - (3) Data circuit.
    - (4) Special circuit.
  - b. Initiated contingency COMPLAN.
2. Directed systematic isolation of outage.
  - a. Identified outage type.
    - (1) Single/multichannel.
    - (2) Voice circuit/VOIP.
    - (3) Data circuit.
    - (4) Special circuit.
  - b. Initiated isolation of outage.
3. Identified services affected by outage.
  - a. Determined type of circuits affected:
    - (1) Single/multichannel.
    - (2) Voice circuit/VOIP.
    - (3) Data circuit.
    - (4) Special circuit.
  - b. Determined priority of affected circuits.

**GO      NO-GO**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

<b>Performance Measures</b>	<b><u>GO</u></b>	<b><u>NO-GO</u></b>
<ul style="list-style-type: none"> <li>c. Determined effects on subordinate units.                             <ul style="list-style-type: none"> <li>(1) Determined effects on all other units.</li> <li>(2) Informed units of outage.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>4. Identified/implemented redundant capabilities/contingency plan.                             <ul style="list-style-type: none"> <li>a. Determined appropriate contingency communications system/plan for implementation.</li> <li>b. Implemented contingency plan.                                     <ul style="list-style-type: none"> <li>(1) Notified all subscribers IAW SOP about the change to the COMPLAN.</li> <li>(2) Initiated contingency plan.</li> <li>(3) Conducted a communications check to verify all subscribers on contingency COMPLAN.</li> </ul> </li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>5. Provided periodic updates to higher and lower level organizations on restoration progress.                             <ul style="list-style-type: none"> <li>a. Tracked progress of troubleshooting network.</li> <li>b. Periodically updated higher and lower level organizations on troubleshooting/restoration status.</li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>6. Identified the RFO and formulated solution.                             <ul style="list-style-type: none"> <li>a. Identified cause of outage.                                     <ul style="list-style-type: none"> <li>(1) Internal/external cause.</li> <li>(2) Cable/wire/fiber or radio.</li> <li>(3) Interference (power/radio frequency).</li> <li>(4) COMSEC.</li> </ul> </li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>7. Coordinated external support for corrective action as needed (DS, GS, and contractor).                             <ul style="list-style-type: none"> <li>a. Determined type of external support needed.                                     <ul style="list-style-type: none"> <li>(1) Civilian contractor support.</li> <li>(2) Military DS/GS support.</li> </ul> </li> <li>b. Determined if support is required on site or part(s) must be evacuated.                                     <ul style="list-style-type: none"> <li>(1) External support to sites.</li> <li>(2) Equipment requiring support needed to be evacuated.</li> </ul> </li> <li>c. Coordinated with supporting agency.                                     <ul style="list-style-type: none"> <li>(1) Coordinated through higher.</li> <li>(2) Coordinated directly.</li> </ul> </li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>8. Implemented validated solution and systematic restoration of services.                             <ul style="list-style-type: none"> <li>a. Notified users/subordinates of restoration.</li> <li>b. Restore outage/services.                                     <ul style="list-style-type: none"> <li>(1) Prioritized users.</li> </ul> </li> <li>c. Validated restoration/net call.                                     <ul style="list-style-type: none"> <li>(1) Conducted CNR net call.</li> <li>(2) Tested voice/data message.</li> </ul> </li> </ul> </li> </ul>	—	—
<ul style="list-style-type: none"> <li>9. Documented RFO, corrective action, and submitted final report.                             <ul style="list-style-type: none"> <li>a. Documented RFO.                                     <ul style="list-style-type: none"> <li>(1) Logged initial outage.</li> <li>(2) Logged troubleshooting outage.</li> <li>(3) Logged contingency communications activation.</li> <li>(4) Logged restoration of outage.</li> </ul> </li> <li>b. Reported RFO.                                     <ul style="list-style-type: none"> <li>(1) Reported via phone.</li> <li>(2) Reported via data.</li> </ul> </li> </ul> </li> </ul>	—	—

## STP 11-25A-OFS

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

### References

#### Required

FM 5-0  
FM 11-43  
TC 24-20  
TC 24-21

#### Related

**MANAGE THE RESTORATION OF COM SVCS AS A COMPANY COMMANDER**  
**113-381-6005**

**Conditions:** Using OPORD, commander's guidance, unit SOP, established network and network monitoring tools.

**Standards:** Switching network operational and all subscriber service requirements met, and potential problems identified and corrective action taken.

**Performance Steps**

1. Identify outage.
2. Supervise troubleshooting.
3. Implement contingency plan for outage.
4. Implement validated solution and systematic restoration of services.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Identified outage.	—	—
a. Supervised verification of outage.		
b. Directed systematic isolation of outage.		
c. Initiated reporting procedures.		
d. Identified services affected.		
2. Supervised troubleshooting	—	—
a. Ensured periodic reporting to higher headquarters.		
b. Supervised identification of RFO and formulation of solution.		
c. Coordinated external support as needed (DS, GS, contractor).		
3. Implemented contingency plan for outage.	—	—
4. Implemented validated solution and systematic restoration of services.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

<b>Required</b>	<b>Related</b>
FM 11-24	
FM 11-32	
FM 11-41	
FM 11-43	
FM 11-55	
FM 24-11	
FM 24-7	

Subject Area 16: Coordinate Information Management

**COORDINATE INFORMATION MANAGEMENT AS A BCT S6**

**113-492-6002**

**Conditions:** As a BCT S6 in garrison, and joint/coalition environment using applicable regulations and publications, higher HQ IMP, unit SOP, appropriate GOTS and COTS hardware/software/firmware documentation and local command directives.

**Standards:** Integrated the unit commander's IMP/tenet is integrated into the unit IMP, unit SOPs and followed by all subordinate units.

**Performance Steps**

1. Define/draft IMP, the unit commander's requirements, and higher HQ requirements.
2. Establish procedures and facilitate the timely flow of RI.
3. Recommend means of information dissemination.
4. Provide architecture necessary to collect, process, store, and disseminate RI to support staff C2 functions.
5. Manage CP display and audio/visual systems to provide the COP to all users.
6. Influence CP layouts to optimize CP functionality and signal support assets.

**Performance Measures**

	<u>GO</u>	<u>NO-GO</u>
1. Defined/drafted IMP, the unit commander's requirement, and higher HQ requirements.	—	—
a. Convened information management board (IMB) as focal point for information management policy and procedures.		
b. Informed all staff elements of limitations and commander's bandwidth priorities.		
2. Established procedures and facilitated the timely flow of RI.	—	—
a. Ensured that communications means were optimal.		
b. Ensured network adjustments were made according to bandwidth priority changes.		
3. Recommended means of information dissemination.	—	—
4. Provided architecture necessary to collect, process, store, and disseminate RI to support C2 functions.	—	—
a. Managed automation.		
b. Developed plan to integrate nonmilitary systems into architecture.		
c. Ensured information architecture provided capabilities that meet the requirements of the IMP.		
5. Managed CP display and audio/visual systems to provide the COP to all users.	—	—
a. Ensured all processes were supportable by C4IM networks.		
6. Influenced CP layouts in order to optimize CP functionality and signal support assets.	—	—

**Evaluation Guidance:** Score the Soldier a GO if all PMs are passed. Score the Soldier a NO-GO if any PM is failed. If the Soldier fails any PM, show what was done wrong and how to do it correctly. Have the Soldier perform the PMs until they are done correctly.

**References**

**Required**

COTS  
FM 3-0  
FM 5-0  
FM 6-0  
UNIT SOP

**Related**

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## APPENDIX A - SAMPLE TELECOMMUNICATIONS SERVICE ORDER (TSO)

ROUTINE

R 140717Z JUL 98

FM DISA EUR TSR-TSO-CRP TRAFFIC VAIHINGEN GE//EU8//

TO 886CS RAMSTEIN AB SEMBACH ANNEX GE//SCST/SCSD//  
 CDR OPMAS-E DCS STA LANDSTUHL GE//AFSE-F-ITT-LDL//  
 DCS STA LANDSTUHL GE//AFSE-XB-HSC//  
 86CS RAMSTEIN AB GE//SCMTU/SCMTI//  
 CDROPMAS-E DCS STA DONNERSBERG GE//AFSE-F-ITT-DON//

INFO USAFE CSS CMO RAMSTEIN AB GE//SCBM//  
 4ASOS MANNHEIM GE//LGSS//  
 DISA EUR VAIHINGEN GE//EU31CONT//  
 DISA TCO RFS-TSR TRAFFIC VAIHINGEN GE//EU8//

\*\*\*THIS IS A 3 SECTIONED MSG COLLATED BY MDS\*\*\*

UNCLAS

TSO E81929/W0U4-01

REF:

A. DISA-EUR TCO MSG DTG 291103Z JUN 98 (START TSR BF17JUN988097)

## 1. PURPOSE

- A. THIS TSO IS ISSUED IAW REFERENCE "A" TO START A TEMPORARY 1.2KB  
 IN- DIRECT AUTODIN CIRCUIT BETWEEN POINTS DEPICTED.

## 2. GENERAL CIRCUIT/TRUNK INFORMATION

- A. JEXDW0U4  
 B. NA  
 C. TEMPORARY  
 D. 200800Z JUL 98 THRU 242359Z JUL 98  
 E. (1) SEMBACH BCO GE/4 CONTACT: SUPERVISOR, DSN: 496-7176, CML:  
 06302-47-7176  
 (2) UNDTMNDL TAC ZV/0 CONTACT: HOME BASE SUPVR, DSN:  
 385-2115/2195, CML: 06217-302115/2195  
 F. C1 4C                      G. FULL DUPLEX  
 H. CCO SEMBACH/GE/TCF/DSN: 496-6620 CML 06302-67-6620  
 I. 1.2KB  
 J. SECURED  
 K. TEMP-EXEC  
 L. NO SIGNALING  
 M. NA  
 N. BF17JUN988097  
 O. NA  
 P. A  
 Q. A  
 R. NA  
 S. DF  
 T. NA  
 U. NA

**STP 11-25A-OFS**

- (1) N/A
- (2) N/A
- (3) N/A
- V. NA
- W. NA
- X. NA
- Y. D
- Z. NA
- AA. NA
- AB. NA
- AC. NA
- AD. NA
- AE. NA
- AF. NA
- AG. NA
- AH. NA
- AI. NA
- AJ. NA
- AK. NA
- AL. NA
- AM. NA
- AN. NA
- AO. NA
- AP. NA
- AQ. NA
- AR. NA
- AS. NA
- AT. NA
- AU. NA
- AV. NA
- AW. NA
- AX. NA

**3. FACILITY AND EQUIPMENT INFORMATION**

- A. SEMBACH GE4BCO  
BLDG/DIRECTIONS/ADDRESS: 203  
RM/FL: COMM CENTER  
CONTACT: SUPERVISOR, DSN: 496-7176, CML: 06302-47-7176  
MAIL ADDRESS: 886CS/SCSD, UNIT 10300, APO AE 09136
  - (1) (A) MESSAGE DISTRIBUTION TERMINAL
  - (B) TERM: 4W
  - (C) CABLE CROSS-CONNECT
  - (D) RED DC PATCH / CONNECTOR
  - (E) KG-84A
  - (F) BLACK DC PATCH / CONNECTOR
  - (G) CABLE CROSS-CONNECT
  - (H) INTERFACE: FREDRICKS 1280A MODEM, FSK, 44 CABLE, 22 GA, 200 FT,  
0.0 DB LOSS
  - (I) CABLE CROSS-CONNECT
- (2) (A) 44 C NO SIG Z
- B. SEMBACH GE4TCF  
BLDG/DIRECTIONS/ADDRESS: 114  
RM/FL: 1  
CONTACT: SUPERVISOR, DSN: 496-6620, CML: 06371-67-6620  
MAIL ADDRESS: 886CS/SCST, UNIT 10300, APO AE 09136

- (1) (A) CABLE CROSS-CONNECT
  - (B) MAIN DISTRIBUTION FRAME, 44 CABLE, 22 GA, 30 FT, 0.0 DB LOSS
  - (C) TERM: 4W
  - (D) INTERFACE: AN/FCC-98 TDM MULTIPLEXER
  - (E) CABLE CROSS-CONNECT
  - (2) (A) 44JND6 0A0T NO SIG Z
- C. SEMBACH GE4DP1  
 BLDG/DIRECTIONS/ADDRESS: 114  
 RM/FL: R-1  
 CONTACT: SUPERVISOR, COMM: 06302-67-6816, DSN: 496-6816  
 MAIL ADDRESS: 886CS  
                   SCST  
                   UNIT 10300  
                   APO AE 09136
- (1) (A) TDM MULTIPLEX
  - (B) DIGITAL T1 PATCH
  - (C) DIGITAL PATCH AND ACCESS SYSTEM (DPAS)  
 DPASMML CMD: CONN-CRS-TO: SEMBACH01:031-001, 044-001  
 TC(0011,0011),TRB  
 DPAS DATA:  
 CKT TYP OPER: FDX DPAS FRAME ID: SEMBACH01  
 DPAS NPC FM PORT/CHNL:031-001  
 DPAS NPC TO PORT/CHNL:044-001  
 DPAS TRUNK CONDITIONING: NO SIG, FULL DUPLEX  
 DPAS CONTROL TERMINAL (DCT) DATA  
 CKT ID:W0U4 TSP: CONDITIONING CODE: C1 4C  
 STATUS: TEMP-EXEC CKT TYPE:C  
 TRUNK CHN RANGE END STA NEXT STA LINK MUX PORT DACS PORT
- |            |    |     |     |       |    |     |
|------------|----|-----|-----|-------|----|-----|
| 44JND6 001 | NA | SHE | SBC | CABLE | NA | 031 |
| 44JK97 001 | NA | SBC | BNN | M0851 | A4 | 044 |
- (D) DIGITAL T1 PATCH
  - (E) TDM MULTIPLEX
  - (2) (A) 4JK97 0A0T NO SIG Z
- D. BANN GE4DP1  
 BLDG/DIRECTIONS/ADDRESS: 9  
 RM/FL: R-2  
 CONTACT: SUPERVISOR, COMM: 06371-86-8645, DSN: 480-6881  
 781-8689  
 MAIL ADDRESS: OL-A, 86TH COMM SQ  
                   /SCMT/  
                   APO AE  
                   091261385
- (1) (A) TDM MULTIPLEX
  - (B) DIGITAL T1 PATCH
  - (C) DIGITAL PATCH AND ACCESS SYSTEM (DPAS)  
 DPASMML CMD: CONN-CRS-TO: BANN01:060-001, 022-001:  
 TC (0011,0011),TRB;  
 DPAS DATA:  
 CKT TYP OPER: FDX DPAS FRAME ID: BANN01  
 DPAS NPC FM PORT/CHNL:060-001  
 DPAS NPC TO PORT/CHNL:022-001  
 DPAS TRUNK CONDITIONING: NO SIG, FULL DUPLEX  
 DPAS CONTROL TERMINAL (DCT) DATA  
 CKT ID:W0U4 TSP: CONDITIONING CODE: C1 4C  
 STATUS: TEMP-EXEC CKT TYPE:C  
 TRUNK CHN RANGE END STA NEXT STA LINK MUX PORT DACS PORT

STP 11-25A-OFS

- |  |            |    |     |     |       |    |     |
|--|------------|----|-----|-----|-------|----|-----|
|  | 44JK97 001 | NA | SBC | BNN | M0851 | A4 | 060 |
|  | 44CK31 001 | NA | BNN | LSL | M0712 | A6 | 022 |
- (D) DIGITAL T1 PATCH  
(E) TDM MULTIPLEX  
(2) (A) 44CK31 0A0T NO SIG Z
- E. LANDSTHL GE4DP1  
BLDG/DIRECTIONS/ADDRESS: 3377  
RM/FL: R-2  
CONTACT: SUPERVISOR COMM 06371-86-829-5/7382; DSN 486-8295/7382  
MAIL ADDRESS: COMMANDER OPMAS-E  
SITE CHIEF  
DCS SITE LANDSTUHL  
CMR 402APO AE 09180
- (1) (A) TDM MULTIPLEX  
(B) DIGITAL T1 PATCH  
(C) DIGITAL PATCH AND ACCESS SYSTEM (DPAS)  
DPASMML CMD: CONN-CRS-TO: LANDSTHL01: 022-001, 115-011::  
TC(0011,0011),TRB::;  
DPAS DATA:  
CKT TYP OPER: FDX DPAS FRAME ID: LANDSTHL01  
DPAS NPC FM PORT/CHNL: 022-001  
DPAS NPC TO PORT/CHNL: 115-011  
DPAS TRUNK CONDITIONING: NO SIG, FULL DUPLEX  
DPAS CONTROL TERMINAL (DCT) DATA  
CKT ID: W0U4 TSP: CONDITIONING CODE: C1 4C  
SATUS: TEMP-EXEC CKT TYPE: C  
TRUNK CHN RANGE END STA NEXT STA LINK MUX PORT DACS PORT
- |            |    |     |     |       |    |     |
|------------|----|-----|-----|-------|----|-----|
| 44CK31 001 | NA | BNN | LSL | M0712 | A6 | 022 |
| 44UNC8 011 | NA | LSL | LDL | CABLE | NA | 115 |
- (D) DIGITAL T1 PATCH  
(E) TDM MULTIPLEX  
(2) (A) 44UNC8 0K0T NO SIG Z
- F. LANDSTHL GE4TCG  
BLDG/DIRECTIONS/ADDRESS: 3377  
RM/FL: 2  
CONTACT: SUPERVISOR, DSN: 486-8295, CML: 06371-86-8295  
MAIL ADDRESS: ITT/DCS STA LANDSTUHL, APO AE 09180
- (1) (A) AN/FCC-98 TDM MULTIPLEXER  
(B) TERM: 4W  
(C) CABLE CROSS CONNECT, 44 CABLE,  
(2) (A) 44 C NO SIG Z
- G. LANDSTHL GE4NM1  
BLDG/DIRECTIONS/ADDRESS: 3377  
RM/FL: 2  
CONTACT: SUPERVISOR, DSN: 486-8295, CML: 06371-86-8295  
MAIL ADDRESS: ITT/DCS STA LANDSTUHL, APO AE 09180
- (1) (A) CABLE CROSS-CONNECT  
(B) ADN-48 130A  
(C) 2WFXS SLOT 13A  
(D) REAR CARD INTERFACE: I/F  
(E) INTERFACE: PRC FRONT CARD  
(F) FRONT CARD INTERFACE: PRC  
(G) INDX T-BUSS CROSS-CONNECT  
(2) (A) 44 Z NO SIG Z  
(B) N130C113P24

H. LANDSTHL GE4NM2

BLDG/DIRECTIONS/ADDRESS: 3383

RM/FL: 1

CONTACT: SUPERVISOR, DSN: 486-8604, CML: 06371-86-8604

MAIL ADDRESS: CDR181SIGCO, CMR 402, APO AE 09180

- (1) (A) INDX T-BUSS CROSS-CONNECT
- (B) FRONT CARD INTERFACE: PRC
- (C) INTERFACE: PRC FRONT CARD
- (D) REAR CARD INTERFACE: I/F
- (E) 2WFXS SLOT 15A
- (F) ADN-48 12B
- (G) CABLE CROSS-CONNECT

- (2) (A) 44           C NO SIG                   Z
- (B) N12C35P28

I. LANDSTHL GE41IO

BLDG/DIRECTIONS/ADDRESS: 3383

RM/FL: 1

CONTACT: SUPERVISOR, DSN: 486-8604, CML: 06371-86-8604

MAIL ADDRESS: CDR181SIGCO, CMR 402, APO AE 09180

- (1) (A) INTERFACE: CABLE CROSS-CONNECT
- (B) TERM: 4W
- (C) TD-1389 LOW RATE MULTIPLEXER (LRM)

- (2) (A) 44           R NO SIG                   Z

J. UNDTMNDL ZV0TS1

BLDG/DIRECTIONS/ADDRESS: DEPLOYED SATCOM VAN

RM/FL: 1

CONTACT: HOME BASE SUPVR, DSN: 385-2115/2195, CML: 06217-302115/2195

MAIL ADDRESS: HOME BASE: 4ASOS/LGS, UNIT 29903 BOX 135, APO AE 09086

- (1) (A) TD-1389 LOW RATE MULTIPLEXER (LRM)
- (B) TERM: 4W
- (C) INTERFACE: CABLE CROSS-CONNECT

- (2) (A) 44           R NO SIG                   Z

K. UNDTMNDL ZV0TAC

BLDG/DIRECTIONS/ADDRESS: COMMUNICATIONS VAN

RM/FL: 1

CONTACT: HOME BASE SUPVR, DSN: 385-2115/2195, CML: 06217-302115/2195

MAIL ADDRESS: HOME BASE: 4ASOS/LGS, UNIT 29903 BOX 135, APO AE 09086

- (1) (A) CABLE CROSS-CONNECT
- (B) BLACK DC PATCH / CONNECTOR
- (C) CABLE CROSS-CONNECT
- (D) KG-84A
- (E) RED DC PATCH / CONNECTOR
- (F) CABLE CROSS-CONNECT
- (G) INTERFACE: FREDRICKS 1280A MODEM, FSK, 44 CABLE, 22 GA, 200 FT, 0.0 DB LOSS
- (H) CABLE CROSS-CONNECT
- (I) TERM: 4W
- (J) UGC-144 TERMINAL

4. NUMBER CONTROL

- A. N/A
- B. N/A
- C. N/A

**STP 11-25A-OFS**

5. OTHER SPECIFIC DIRECTIONS
  - A. COMMERCIAL/GFE DATE: 200800Z JUL 98
  - B. NETWORK SVC: IN-DIRECT AUTODIN
  - C. TSR CONTACT: MR. HENRY CARTER, DISA EUR/EU8, DSN: 430-6111, CML: 0711-680-6111, EMAIL: CARTERH@EUR.DISA.MIL
  - D. WARNER EXEMPTION: NA
  - E. IN-EFFECT REPORTS FOR EITHER ACTIVATION OR DEACTIVATION OF TEMPORARY SERVICE ARE NOT REQUIRED WHENEVER THE CIRCUIT IS ACTIVATED OR DEACTIVATED AS DIRECTED IN THE TSO. IF TEMPORARY CIRCUIT ACTIVATION/ DEACTIVATION IS DELAYED, OR IF THE CIRCUIT IS ACTIVATED WITH EXCEPTION(S), THEN A DELAYED SERVICE AND/OR AN EXCEPTION REPORT MUST BE SUBMITTED. THIS REPORT MUST THEN BE FOLLOWED BY THE APPROPRIATE COMPLETION REPORT SUBMITTED TO ALL ADDRESSEES OF THE TSO.
  - F. T&A IS REQUIRED, UNLESS OTHERWISE INDICATED. CIRCUIT WILL BE TESTED IAW ESTABLISHED TEST SCHEDULES IN DISAC 310-70-1. TEST RESULTS WILL BE MAINTAINED IN THE CIRCUIT HISTORY FOLDER AT SERVING TECH CONTROLS. TEST RESULTS WILL NOT BE SUBMITTED TO HIGHER ACTIVITIES UNLESS SPECIFICALLY REQUESTED.
  - G. THIS TSO IS IN SUPPORT OF EXERCISE/PROJECT: CAS SCRAMBLE 98
  - H. COST THRESHOLD/DISN ESTIMATED COST: NO FUNDS INVOLVED.
  - I. TSR REMARKS:
    - (1) THIS CIRCUIT SUPPORTS THE 4ASOS IN THEIR UNIT LEVEL EXERCISE CAS SCRAMBLE 98.
    - (2) IF SERVICE CANNOT BE PROVIDED AS REQUESTED USER WILL ACCEPT SERVICE AS SOON AS POSSIBLE THEREAFTER. HOWEVER, DO NOT PROVIDE SERVICE AFTER 24 JUL 98.
  - J. RFS NO: USAFE15JUN983214 / 4ASOS01MAY980009
  - K. ANY ADDRESSEE HAVING ACTION ON THIS TSO. WILL NOTIFY THE DISA ACTIVITY, CCO/CMO, AND TSR POINT OF CONTACT. IMMEDIATELY OF PROBLEMS, WHICH MAY AFFECT THE SPECIFIED ACTION. ALL STATIONS WILL REVIEW THE CONFIGURATION, EQUIPMENT, CONTACT NUMBERS AND ADDRESSES CONTAINED IN THIS TSO ON ANY ERRORS SO THAT SUBSEQUENT TSOs MAY BE UPDATED.
  - L. DATA BASE ACTION WILL BE TAKEN BY \*\*DISA-EUROPE\*\*
  - M. TSO CONTACT: MR. CLAYTON PETERS EU8, ML, DSN: 430-6112; CML: 0711-680-6112; EMAIL: PETERSC@EUR.DISA.MIL
6. SWITCHED RECORD NETWORK INFO (AUTODIN)
  - A. NA
  - B. NA
  - C. NA
  - D. NA
  - E. NA
  - F. NA
  - G. NATO-SECRET
  - H. NA
  - I. NA
  - J. A
  - K. NA
  - L. NA
  - M. NA

N. ALT NARRATIVE RI: , ,  
ALT DATA RI: , ,  
ALT MAG TAPE RI: , ,  
ALT Q/R HOST RI: , ,

O. NA  
P. NA  
Q. NA  
R. NA  
S. NA  
T. NO  
U. NA  
V. NA  
W. NA  
X. NA  
Y. NA  
Z. N  
AA. NO

BT  
NNNN

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**APPENDIX B - DA FORM 5164-R HANDS-ON EVALUATION****B-1. Introduction.**

The DA Form 5164-R allows the trainer to keep a record of the performance measures a soldier passes or fails on each task. Instructions for using this form follow.

**B-2. Prior to evaluating the soldier.**

- a. Obtain a blank copy of DA Form 5164-R, which you may locally reproduce on 8 1/2- by 11-inch paper.
- b. Enter the task title and 10-digit task number from the soldier's manual task summary in Chapter 3.
- c. In column a, enter the number of each performance measure listed under the Performance Measures section in the task summary.
- d. In column b, enter the performance measure corresponding to the performance measure number in column a. (You may abbreviate this information if necessary.)
- e. Enter the Evaluation Guidance statement from the soldier's manual task summary just below the last performance measure.
- f. Locally reproduce the partially completed form if you are evaluating more than one soldier on the task or the same soldier on more than one task.

**B-3. During the evaluation.**

- a. Enter the date just before evaluating the soldier's task performance.
- b. Enter the evaluator's name and the soldier's name and unit.
- c. For each performance measure, column b, enter a check in column c (*PASS*) or column d (*FAIL*), as appropriate.
- d. Compare the number of performance measures the soldier passes (and if applicable, which ones) against the task standard shown in the Evaluation Guidance statement. If the standard is met or exceeded, check the *GO* block under *STATUS*; otherwise check the *NO-GO* block.

STP 11-25A-OFS

HANDS-ON EVALUATION For use of this form, see STP 11-25S14-SM-TG; the proponent agency is TRADOC.		DATE 2 APR 2003	
TASK TITLE Perform System Shutdown for SEN System AN/TTC-48(V)		TASK NUMBER 113-625-2090	
ITEM a	PERFORMANCE STEP TITLE b	SCORE (Check One)	
		PASS c	FAIL d
1	Performed Operational Shutdown Procedures	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
2	Performed Storage Procedures	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
3	Performed Power Cabling Removal/Storage Procedures	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
4	Performed Subscriber Field Cable Removal/Storage Procedures	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
5	Performed Grounded Strap and ROD Removal Procedures	<input type="checkbox"/> P	<input checked="" type="checkbox"/> F
6	Secured the Shelter Door and All External covers	<input checked="" type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
	<b>SAMPLE</b>	<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
		<input type="checkbox"/> P	<input type="checkbox"/> F
EVALUATOR'S NAME SFC Whitman		UNIT A CO 369th	
SOLDIER'S NAME SPC Anderson		STATUS <input type="checkbox"/> GO <input checked="" type="checkbox"/> NO GO	

DA FORM 5164-R, SEP 1985

EDITION OF DEC 82 IS OBSOLETE

APD PE v2.01

Figure B-1. Sample DA Form 5164-R

**GLOSSARY****Section I**  
**Acronyms & Abbreviations**

<b>1LT</b>	First Lieutenant
<b>1SG</b>	First Sergeant
<b>2LT</b>	Second Lieutenant
<b>AAR</b>	after action review
<b>ABCS</b>	Army Battlefield Command System
<b>AC</b>	Active Component
<b>ACCP</b>	Army Correspondence Course Program
<b>ACES</b>	Communications Engineering Systems
<b>ADDS</b>	Army Data Distribution System
<b>ADOCS</b>	Automated Deep Operations Coordination System
<b>AIS</b>	automated information system
<b>AKO</b>	Army Knowledge Online
<b>ALE</b>	authorized level of equipment
<b>AN</b>	Annually (frequency code)
<b>ANCD</b>	Automated Network Control Device
<b>AOC</b>	Area of Concentration
<b>AR</b>	Army Regulation; Army Reserve
<b>ARNG</b>	Army National Guard
<b>ARNGUS</b>	Army National Guard of the United States
<b>ARTEP</b>	Army Training and Evaluation Program
<b>ATTN/attn</b>	attention
<b>AUTODIN</b>	Automatic Digital Network
<b>AV</b>	audiovisual
<b>BA</b>	biannually (frequency code)
<b>BCT</b>	Brigade Combat Team

## STP 11-25A-OFS

<b>BFT</b>	battle-focused training
<b>BLOS</b>	beyond line of sight
<b>BN</b>	battalion
<b>BSM</b>	Battlefield Spectrum Manager
<b>BW</b>	Biweekly (frequency code)
<b>C2</b>	command and control
<b>C4IM</b>	command, control, communications, and computers information management
<b>CA</b>	combat arms; civil affairs
<b>C&amp;A</b>	certification and accreditation
<b>CASEVAC</b>	casualty evacuation
<b>CCC</b>	Captain Career Course
<b>CCI</b>	controlled cryptographic item
<b>CDR</b>	Commander
<b>CD-RW</b>	Compact Disc – Rewritable
<b>CGS</b>	CONUS ground station
<b>CIE</b>	collaborative information environment
<b>CJCSM</b>	Chairman, Joint Chiefs of Staff Manual
<b>CNR</b>	combat net radio
<b>CNRI</b>	combat net radio interface
<b>CO</b>	company
<b>COA</b>	course of action
<b>Com</b>	communications
<b>Coml</b>	commercial
<b>CMD</b>	command
<b>COMPLAN</b>	Communications Plan
<b>COMSEC</b>	communications security
<b>CONOPS</b>	contingency operations

<b>CONUSA</b>	continental United States
<b>COP</b>	common operational picture
<b>COTS</b>	commercial-off-the-shelf
<b>CP</b>	command post
<b>Cpof</b>	Command Post of the Future
<b>CPT</b>	Captain
<b>CS</b>	combat support
<b>CSM</b>	Command Sergeant Major
<b>CTC</b>	Combat Training Centers
<b>DA</b>	Department of the Army
<b>DAA</b>	designated approving authority
<b>DA PAM</b>	Department of the Army Pamphlet
<b>DAMA</b>	Demand Assigned Multiple Access
<b>DC</b>	Direct Current; District of Columbia; Dental Corps
<b>DCTS</b>	Defense Collaboration Suite
<b>DISA</b>	Defense Information Systems Agency
<b>DITSCAP</b>	DOD Information Technology Security Certification and Accreditation Process
<b>DPEM</b>	Depot Purchased Equipment Maintenance
<b>DOD</b>	Department of Defense
<b>DRSN</b>	Defense Red Switch Network
<b>DS</b>	direct support
<b>DSN</b>	Defense Switched Network
<b>DSS</b>	Defense Security Service
<b>DVD-ROM</b>	Digital Versatile Disk – Read Only Memory
<b>ECCM</b>	electronic counter-countermeasures
<b>e. g.</b>	for example
<b>e-mail</b>	electronic mail
<b>EMI</b>	electromagnetic interference

<b>EPLRS</b>	Enhanced Position Location Reporting System
<b>ERF</b>	electronic remote fill
<b>ESOP</b>	Enhanced Switch Operation Program
<b>etc.</b>	et Cetera
<b>EWO</b>	electronic warfare officer
<b>FBCB2</b>	Force XXI Battle Command—Brigade and Bellow
<b>FM</b>	field manual (when used with a number); frequency modulation
<b>FMI</b>	Field Manual Interim
<b>FRAGO</b>	fragmentary order
<b>freq</b>	frequency
<b>G2</b>	Assistant Chief of Staff, Intelligence
<b>G3</b>	Assistant Chief of Staff, Operations
<b>G6</b>	Assistant Chief of Staff, Signal
<b>GAR</b>	gateway access report
<b>GB</b>	Gigabytes
<b>GBS</b>	Global Broadcast Service
<b>GMF</b>	ground mobile forces
<b>GS</b>	general support
<b>GTA</b>	Graphic Training Aid
<b>GTOS</b>	government-off-the-shelf
<b>H/S</b>	hardware/software
<b>HF</b>	high frequency
<b>HQ</b>	headquarters
<b>i.e.</b>	that is
<b>IA</b>	Information Assurance
<b>IAMC</b>	Information Assurance Management Cell
<b>IASO</b>	Information Assurance Security Officer
<b>IAVA</b>	Information Assurance Vulnerability Assessment/Alert

<b>IAVM</b>	Information Assurance Vulnerability Management
<b>IAW</b>	in accordance with
<b>IBM</b>	International Business Machines Corporation
<b>ICOM</b>	integrated COMSEC
<b>IDS</b>	Intrusion Detection System
<b>IHFR</b>	improved high frequency radio
<b>IMP</b>	Information Management Plan
<b>INMARSAT</b>	International Maritime Satellite
<b>IOM</b>	installation, operation, and maintenance
<b>IP</b>	Internet protocol
<b>ISYSCON</b>	Integrated System Control
<b>IWS</b>	Integrated Warfare System
<b>J2</b>	Joint Staff, Intelligence
<b>J3</b>	Joint Staff, Operations
<b>J6</b>	Joint Staff, Signal
<b>JACS</b>	Joint Automated CEOI System
<b>JCEOI</b>	Joint Communications-Electronics Operations Instruction
<b>JNMS</b>	Joint Network Management System
<b>JSIR</b>	Joint Spectrum Interference Resolution
<b>JSTAR</b>	Joint Surveillance Target Attack Radar
<b>JTRS</b>	Joint Tactical Radio System
<b>JWARN</b>	Joint Warning and Reporting Network
<b>JWICS</b>	Joint Worldwide Intelligence Communications System
<b>JWS</b>	Joint Warfighting Space
<b>KEYMAT</b>	keying material
<b>LAN</b>	local area network
<b>LDR</b>	leader
<b>LMR</b>	land mobile radio

## STP 11-25A-OFS

<b>LOS</b>	line of sight
<b>LT</b>	Lieutenant
<b>MACOM</b>	major Army command
<b>MB</b>	Megabyte
<b>MBITR</b>	Multiband Inter/Intra Team Radio (US Military)
<b>MDMP</b>	Military Decision Making Process
<b>METL</b>	mission essential task list
<b>MNIS</b>	Multinational Information Sharing
<b>MO</b>	Monthly (frequency code)
<b>MOOTW</b>	military operations other than war
<b>MOS</b>	Military Occupational Specialty
<b>MOSC</b>	Military Occupational Specialty Code
<b>MS</b>	Microsoft
<b>MSE</b>	mobile subscriber equipment
<b>MSRT</b>	mobile subscriber radio terminal
<b>MTOE</b>	modification table of organization and equipment
<b>MTP</b>	MOS Training Plan
<b>MUX</b>	multiplex(er)
<b>NAG</b>	Network Administrators Guide
<b>NB</b>	narrowband
<b>NCO</b>	noncommissioned officer
<b>NCS</b>	net control station
<b>NETOPS</b>	Network Operations
<b>NHUM</b>	Network Hardware User's Manual
<b>NIPR</b>	Nonsecure Internet Protocol Router
<b>NMT</b>	Network Management Tool
<b>No.</b>	number
<b>NPT</b>	network planning tool

<b>NSTISSI</b>	National Security Telecommunications and Information Systems Security Instruction
<b>NSTISSP</b>	National Security Telecommunications and Information Systems Security Policy
<b>NTDR</b>	near term data/digital radio
<b>NTDRS</b>	Near Term Digital Radio System
<b>NVIS</b>	near vertical incidence sky wave
<b>OBC</b>	Officer Basic Course
<b>OFS</b>	Officer Foundation Standards
<b>OPLAN</b>	operations plan
<b>OPORD</b>	operation order
<b>OTAR</b>	over-the-air-rekey
<b>PAM/Pam</b>	Pamphlet
<b>PLT</b>	platoon
<b>PM</b>	performance measures
<b>POTS</b>	plain old telephone service
<b>QDHT</b>	quad-band dual hub (satellite terminal)
<b>QT</b>	Quarterly (frequency code)
<b>RAM</b>	random access memory
<b>RC</b>	Reserve Component
<b>REF</b>	reference
<b>RETRANS</b>	retransmission
<b>RFO</b>	reason for outage
<b>RI</b>	relevant information
<b>RSSC</b>	Regional Signal Support Center
<b>S3</b>	Operations and Training Officer
<b>S6</b>	Signal Officer
<b>SA</b>	situational awareness; semiannually (frequency code)
<b>SAR</b>	satellite access request

## STP 11-25A-OFS

<b>SATCOM</b>	satellite communications
<b>SCAMP</b>	Single Channel Advanced Military Strategic and Tactical Relay System (MILSTAR)
<b>SGT</b>	Sergeant
<b>SIPR</b>	Secure Internet Protocol Router
<b>SINCGARS</b>	Single Channel Ground and Airborne Radio System
<b>SL</b>	skill level
<b>SM</b>	Soldier's Manual
<b>SMART-T</b>	Secure Mobile Antijam Reliable Tactical-Terminal
<b>SOI</b>	signal operation instructions
<b>SOP</b>	standing operating procedure
<b>SSAA</b>	System Security Authorization Agreement
<b>STEP</b>	Standardized Tactical Entry Point
<b>STP</b>	Solider training publication
<b>SU</b>	situational understanding
<b>Sust</b>	sustain
<b>SVCS</b>	services
<b>SVGA</b>	Super Video Graphics Adapter
<b>TACLANE</b>	tactical local area network
<b>TACSAT</b>	tactical satellite
<b>TACWEB</b>	tactical web
<b>TB</b>	technical bulletin
<b>TC</b>	training circular
<b>TDA</b>	table of distribution and allowances
<b>TG</b>	trainer's guide
<b>TIMS</b>	Tactical Information Management System
<b>TM</b>	technical manual (when used with a number)
<b>tng</b>	training

<b>TOE</b>	table(s) of organization and equipment
<b>TROPO</b>	tropospheric scatter
<b>TSO</b>	telecommunications service order
<b>TTP</b>	Tactics, Techniques, and Procedures
<b>UA</b>	unit of action
<b>UAV</b>	unmanned aerial vehicle
<b>UEx</b>	unit of employment
<b>UEy</b>	unit of employment (Army: theater land force or joint support)
<b>UNIX</b>	Uniplexed Information and Computing System
<b>URD</b>	user requirements document
<b>US</b>	United States
<b>USAR</b>	United States Army Reserve
<b>VGA</b>	Video Graphics Adapter
<b>VI</b>	Visual Information
<b>VoIP</b>	Voice over Internet Protocol
<b>VTC</b>	video teleconference
<b>WARNO</b>	warning order
<b>WK</b>	Weekly (frequency code)
<b>WWW</b>	Worldwide Web

## **Section II**

### **Terms**

#### **Army Training and Evaluation Program (ARTEP)**

The ARTEP establishes unit training objectives critical to unit survival and performance in combat. They combine the training and the evaluation processes into one integrated function. The ARTEP is a training program and not a test. The sole purpose of external evaluation under this program is to diagnose unit requirements for future training.

#### **MOS training plan (MTP)**

The MTP is a guide for the conduct of individual training in units. The MTP is developed for each MOS/AOC and addresses all skill levels of an MOS/AOC and all duty positions. The MTP lists all MOS/AOC-specific and shared critical tasks for which the MOS/AOC is responsible. It will not include common tasks.

## **STP 11-25A-OFS**

### **Officer Foundation Standards (OFS) System**

A system that standardizes officer institutional training and provides a tool for use by commanders and individual officers. It supports officer training and leader development. Training products are distributed electronically.

### **Performance Measures (PM )**

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

### **Soldier training publication (STP)**

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

### **Soldier's manual (SM)**

List critical task summaries for a specific MOS and skill level (SL); provide conditions, standards, and performance measures for each critical task; and are the base documents for all MOS-specific individual task training and evaluation.

### **Task Performance Steps**

The required unit/individual actions that must be performed to accomplish the critical task. Each step must be specific and detailed and contain only one action or unit of work.

**Note: A collective task step may be a supporting individual or collective task.**

### **Task Summary (TS)**

A statement of the task in an action-verb format plus all essential performance measures. A standard format fully describes the task for the Soldier in the field. It will accommodate any product or process task whether it is in fixed sequence, alternate sequence, or combination. The task summary is used both to train the Soldier to perform the task and to evaluate the Soldier's ability to perform the task (within testing constraints).

### **Total Army Training System (TATS) Course**

A course designed to train the same MOS/AOC skill level or ASI, LIC, SQI, SI within the Total Army. The course ensures standardization by training all course critical tasks to task performance standard. It may be trained at different sites and may involve use of different media/methods to train the various phases/modules/lessons.

## REFERENCES

### Required Publications

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

#### Army Regulations

AR 190-13	The Army Physical Security Program (Item only produced in electronic media). 30 September 1993
AR 190-45	Law Enforcement Reporting (Item only produced in electronic media). 30 March 2007
AR 25-1	Army Knowledge Management and Information Technology Management (Item only produced in electronic media). 15 July 2005
AR 25-2	Information Assurance (Item only produced in electronic media). 24 October 2007
AR 380-40	(O) Policy for Safeguarding and Controlling Communications Security (COMSEC) Material (U). 30 June 2000
AR 380-5	Department of the Army Information Security Program (Item only produced in electronic media). 29 September 2000.
AR 380-53	Information Systems Security Monitoring (Item only produced in electronic media). 29 April 1998
AR 380-67	The Department of the Army Personnel Security Program (Item only produced in electronic media). 09 September 1988
AR 385-40	Accident Reporting and Records (Item only produced in electronic media). 01 November 1994
AR 5-14	Management of Contracted Advisory and Assistance Services. 15 January 1993
AR 5-20	Competitive Sourcing Program (Item only produced in electronic media). 23 May 2005
AR 700-127	Integrated Logistics Support (Item only produced in electronic media). 27 September 2007
AR 700-138	Army Logistics Readiness and Sustainability (Item only produced in electronic media). 26 February 2004
AR 700-4	Logistics Assistance (Item only produced in electronic media). 17 March 2006
AR 700-70	Application of Specifications, Standards, and Related Documents in the Acquisition Process (Item only produced in electronic media). 15 May 1983

#### Army Training and Evaluation Program

ARTEP 11-067-30-MTP	Mission Training Plan for the Companies and Platoons of the Division Signal Battalion (MSE) (Item only produced in electronic media). 14 November 1990
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#### Department of Army Forms

Unless otherwise indicated, DA forms are available on the APD web site at <http://www.apd.army.mil/>.

DA Form 2028	Recommended Changes to Publications and Blank Forms.
DA Form 5164-R	Hands-On Evaluation (LRA).
DA Form 5988-E	Equipment Inspection Maintenance Worksheet (EGA).

**Department of Army Pamphlets**

DA PAM 25-380-2 (O) Security Procedures for Controlled Cryptographic Items (Item only produced in electronic media). 10 January 1991

**Department of Defense Publications**

DOD DIRECTIVE 8500.1E Information Assurance (IA). 23 April 2007  
DOD INSTRUCTION 5200.40 DOD Information Technology Security Certification and Accreditation Process (DITSCAP). 30 December 1997  
DOD INSTRUCTION 8500.2 Information Assurance (IA) Implementation. 06 February 2003

**Field Manuals**

FM 1-02 Operational Terms and Graphics {MCRP 5-12A} (This item is included on EM 0205). 21 September 2004  
FM 11-24 Signal Tactical Satellite Company (This item is included on EM 0205). 13 September 1985  
FM 11-32 Combat Net Radio Operations (This item is included on EM 0205). 15 October 1990  
FM 11-41 Signal Support: Echelons Corps and Below (ECB) (This item is included on EM 0205). 18 December 1991  
FM 11-43 The Signal Leader's Guide (This item is included on EM 0205). 12 June 1995  
FM 11-55 Mobile Subscriber Equipment (MSE) Operations (This item is included on EM 0205). 22 June 1999  
FM 11-65 High Frequency Radio Communications. 31 October 1978  
FM 24-11 Tactical Satellite Communications (This item is included on EM 0205). 20 September 1990  
FM 24-18 Tactical Single-Channel Radio Communications Techniques (This item is included on EM 0205). 30 September 1987  
FM 24-19 Radio Operator's Handbook (This item is included on EM 0205). 24 May 1991  
FM 24-7 Tactical Local Area Network (LAN) Management (This item is included on EM 0205). 08 October 1999  
FM 3-0 Operations (This item is included on EM 0205). 14 June 2001  
FM 3-21.8 The Infantry Platoon and Squad. 28 March 2007  
FM 3-25.26 (O) Map Reading and Land Navigation. 18 January 2005  
FM 3-31.1 Army and Marine Corps Integration in Joint Operations (Formerly FM 90-31) {MCWP 3-36} (This item is included on EM 0205). 21 November 2001  
FM 34-25 Corps Intelligence and Electronic Warfare Operations. 30 September 1987  
FM 3-90 Tactics (This item is included on EM 0205). 04 July 2001  
FM 4-0 Combat Service Support. 29 August 2003  
FM 4-30.3 Maintenance Operations and Procedures (This item is included on EM 0205). 28 July 2004  
FM 4-93.4 Theater Support Command. 15 April 2003  
FM 5-0 Army Planning and Orders Production. 20 January 2005  
FM 5-19 Composite Risk Management. 21 August 2006  
FM 6-0 Mission Command: Command and Control of Army Forces. 11 August 2003  
FM 6-02.40 Visual Information Operations (Formerly FM 24-40). 24 January 2002

FM 6-02.85 JTF IM Multiservice Tactics, Techniques, and Procedures for Joint Task Force Information Management {MCRP 3-40.2A; NTTP 3-13.1.16; AFTTP(I)3-2.22}. 10 September 2003

FM 6-22 Army Leadership. 12 October 2006

FM 63-2 Division Support Command, Armored, Infantry, and Mechanized Infantry Divisions (This item is included on EM 0205). 20 May 1991

FM 63-21 Main Support Battalion (This item is included on EM 0205). 07 August 1990

FM 63-3 Corps Support Command (This item is included on EM 0205). 30 September 1993

FM 7-0 Training the Force. 22 October 2002

FM 7-1 Battle Focused Training. 15 September 2003

FM 71-100 Division Operations (This item is included on EM 0205). 28 August 1996

FMI 6-02.70 Army Electromagnetic Spectrum Management Operations (Item only produced in electronic media). 05 September 2006

**Joint Publications**

CJCSM 3320.01B Joint Operations in the Electromagnetic Battle Space. 25 March 2006

CJCSM 6231.01C Manual for Employing Joint Tactical Communications - Joint Systems Management. 20 June 2003

CJCSM 6231.02B Manual for Employing Joint Tactical Communications - Joint Voice Communications Systems. 20 June 2003

CJCSM 6231.03B Joint Data Systems. 1 August 2002

CJCSM 6231.04B Manual for Employing Joint Tactical Communications - Joint Transmission Systems. 28 November 2005

CJCSM 6231.05B Manual for Employing Joint Tactical Communications - Joint Communications Security. 28 February 2003

CJCSM 6231.06A Manual for Employing Joint Tactical Communications - Joint Technical Control Procedures and Systems. 1 August 2001

CJCSM 6231.07D Manual for the Employment of the Tactical Communications Joint Network Management and Control. 25 October 2006

**Other Product Types**

ABCS LDRS REF GUIDE V6.2 Army Battle Command System Leader's Reference Guide. 12 February 2002

COMMANDERS GUIDANCE COMMANDER'S GUIDANCE

COTS H/S Documentation Commercial-Off-The-Shelf (COTS) Hardware/Software (H/S) Documentation

FRAGO Fragmentary Order

INFO MANAGEMENT PLAN Information Management Plan for local unit

ISBN 1-58713-011-4 CCNP CISCO Networking Academy Program: Semester Five Companion Guide Advanced Routing. 1 December 2002

LOCAL CMD DIRECTIVE Local Command (CMD) Directives (DIR)

MFG MANUALS Manufacturer's manuals, issued with initial issue of equipment

MTOE AND TDA MTOE and TDA

PAL Preaffiliation List

Server Operating System Server Operating System (OS)

SRM Software Reference Manual (SRM)

SSA Instruction Supply Support Activity (SSA) Instructions (Local)

TACTICAL SOP TACTICAL SOP

## STP 11-25A-OFS

TELEPHONE DIRECTORY	TELEPHONE DIRECTORY
UNIT OPLAN	Unit/Unit's Operation Plan (OPLAN)
UNIT OPORD	Unit/Unit's Operation Order (OPORD)
UNIT SOI	Unit/Unit's Signal Operation Instructions (SOI)
UNIT SOP	Unit/Unit's Standing Operating Procedure (SOP)
UNIT SUPPLY UPDATE	Unit Supply Update
UNIT TACTICAL SOP	Unit's Tactical Standing Operating Procedures (SOP)
UNIT TOE	Unit Table(s) of Organization and Equipment
WINDOWS 2000	WINDOWS 2000 (W2K)
WINDOWS 2003	Windows 2003 server operating system, software/instruction manual
<b>Supply Bulletins</b>	
SB 700-20	Army Adopted/Other Items Selected for Authorization/List of Reportable Items. 1 December 2001 (SS/EM 0007, FED LOG, September 1997.)
<b>Technical Bulletins</b>	
TB 11-7010-310-10	Software Operator's Manual for Version 2.0 Staff User's Manual (SUM) for the Integrated System Control (ISYSCON) AN/TYQ-76B(V)1 Wide Area Network (WAN) (This item is included on EM 0079 and EM 0164). 01 June 2002
TB 11-7025-304-12	Common Hardware/Software Equipment Basic Installation Instructions (This item is included on EM 0164). 15 June 1993
TB 380-40	(C) Key Variable Management and Cryptosetting for Electronically Keyed COMSEC Systems (U). 28 July 1986
TB 380-41	(O) Security: Procedures for Safeguarding, Accounting, and Supply Control of COMSEC Material (This item is included on EM 0248). 15 March 2006 (SS/TB 380-41, 03 July 2003 (EMO).)
<b>Technical Manuals</b>	
TM 11-5820-890-10-7	SINGGARS Ground ICOM Radios Used with Automated Net Control Device (ANCD) AN/CYZ-10, Precision Lightweight GPS Receiver (PLGR) AN/PSN-11 Handheld Remote Control Radio Device (HRCRD) C-12393/U; Simple Key Loader (SKL) AN/PYQ-10 Net Control Station (NCS) Pocket Guide Manpack Radios AN/PRC-119A/D/F Vehicular Radios (AN/VRC-87A/D/F thru AN/VRC-92A/D/F). 01 August 2007
TM 11-5820-890-10-8	Operator's Manual for SINGGARS Ground Combat Net Radio, ICOM Manpack Radio, AN/PRC-119A, Short Range Vehicular Radio AN/VRC-87A, Short Range..... Multiplexer (FHMUX) (This Item is included on EM 0071). 01 December 1998
<b>Training Circulars</b>	
TC 24-20	Tactical Wire and Cable Techniques. 3 October 1988
TC 24-21	Tactical Multichannel Radio Communications Techniques (Item only produced in electronic media). 3 October 1988
TC 9-64	Communications-Electronics Fundamentals: Wave Propagation, Transmission Lines, and Antennas. 15 July 2004

### Related Publications

Related publications are sources of additional information. They are not required in order to understand this publication.

#### Army Regulations

AR 190-13	The Army Physical Security Program (Item only produced in electronic media). 30 September 1993
AR 190-45	Law Enforcement Reporting (Item only produced in electronic media). 30 March 2007
AR 25-1	Army Knowledge Management and Information Technology Management (Item only produced in electronic media). 30 July 2005
AR 25-2	Information Assurance (Item only produced in electronic media). 03 August 2007
AR 380-40	(O) Policy for Safeguarding and Controlling Communications Security (COMSEC) Material (U). 30 June 2000
AR 380-5	Department of the Army Information Security Program (Item only produced in electronic media). 29 September 2000.
AR 380-53	Information Systems Security Monitoring (Item only produced in electronic media). 29 April 1998
AR 380-67	The Department of the Army Personnel Security Program (Item only produced in electronic media). 09 September 1988
AR 385-40	Accident Reporting and Records (Item only produced in electronic media). 01 November 1994
AR 5-14	Management of Contracted Advisory and Assistance Services. 15 January 1993
AR 5-20	Competitive Sourcing Program (Item only produced in electronic media). 23 May 2005
AR 700-127	Integrated Logistics Support (Item only produced in electronic media). 19 December 2005
AR 700-138	Army Logistics Readiness and Sustainability (Item only produced in electronic media). 26 February 2004
AR 700-4	Logistics Assistance (Item only produced in electronic media). 17 March 2006
AR 700-70	Application of Specifications, Standards, and Related Documents in the Acquisition Process (Item only produced in electronic media). 15 May 1983

#### Department of Army Pamphlets

DA PAM 25-30	Consolidated Index of Army Publications and Blank Forms (Issued Quarterly) (Item only produced in electronic media). 1 January 2007
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#### Department of Defense Publications

DOD DIRECTIVE C-5200.5	Communications Security (COMSEC) (U). 21 April 1990
DOD INSTRUCTION 5200.40	DOD Information Technology Security Certification and Accreditation Process (DITSCAP). 30 December 1997
DOD INSTRUCTION 8500.2	Information Assurance Implementation. 06 February 2003

## STP 11-25A-OFS

### Joint Publications

CJCSM 6231.01C	Manual for Employing Joint Tactical Communications - Joint Systems Management. 20 June 2003
CJCSM 6231.02B	Manual for Employing Joint Tactical Communications - Joint Voice Communications Systems. 20 June 2003
Joint Pub 0-2	Unified Action Armed Forces (UNAAF). 10 July 2001
Joint Pub 1	Joint Warfare of the Armed Forces of the United States. 14 May 2007

### Other Product Types

EO 13231	Executive Order 13231 of October 16, 2001. Critical Infrastructure Protection in the Information Age.
IA LEVEL 2 COURSE	IA LEVEL 2 COURSE
IA LEVEL 3 COURSE	IA LEVEL 3 COURSE
MTOE and TDA	MTOE and TDA
NHUM	Network Hardware User's Manual (NHUM).
NSD-42	National Policy for the Security of National Security Telecommunications and Information Systems. 5 July 1990
NSTISSI No. 1000	National Information Assurance Certification and Accreditation Process (NIACAP). April 2000
NSTISSP No. 11	National Information Assurance Acquisition Policy. 6 August 2002
NSUM	Network Software User's Manual (NSUM)
PUBLIC LAW 100-235	Computer Security Act of 1987. 8 January 1988
PUBLIC LAW 104-106	National Defense Authorization Act for Fiscal Year 1996
PUBLIC LAW 99-474	Computer Fraud and Abuse Act of 1986
UNIT SOP	Unit/Unit's Standing Operating Procedure (SOP)

### Technical Manuals

TM 11-2300-475-13&P-1	Operator's, Organizational, and Direct Support Maintenance Manual Including Repair Parts and Special Tools List for Installation Kit, Electronic Equipment MK-2462/GRC-193A in Truck Cargo, 1 1/4 Ton, 4x4, M882 or M1008A1 (CUCV) for Radio Set AN/GRC-193A (Reprinted w/Basic Incl C1) (This item is included on EM 0168). 01 July 1988
TM 11-2300-475-13&P-2	Operator's, Organizational, and Direct Support Maintenance Manual Including Repair Parts and Special Tools Lists for Installation Kit, Electronic Equipment MK-2459/GRC-193A in General Purpose Installations for Radio Set AN/GRC-193A (This item is included on EM 0168). 06 February 1988
TM 11-2300-475-13&P-6	Operator's, Unit and Direct Support Maintenance Manual Including Repair Parts and Special Tools List for Installation Kit, Electronic Equipment, MK-2541/GRC-193A in HMMWV, Cargo/Troop Carrier M998, M1038 (This item is included on EM 0168). 01 July 1988
TM 11-3895-202-13	Operator's, Organizational, and Direct Support Maintenance Manual for Reel Units RL-31, RL-31-B, RL-31-C, RL-31-D, and RL-31-E {TO 36C13-3-3-1}. 15 January 1986
TM 11-3895-207-14	Operator's, Organizational, Direct Support, and General Support Maintenance Manual for Reeling Machines, Cable, Motor Driven RL-172/G, RL-172A/G. 01 October 1987
TM 11-3895-209-14	Operator's, Organizational, Direct Support and General Support Maintenance Manual for Reeling Machines, Cable, Engine-Driven, RL-207/G and RL-207A/G. 15 June 1986
TM 11-5810-256-10-1	(O) Net Controller Operating Instructions for Communications Security Equipment KY-57. 30 June 1988

TM 11-5810-256-12 (O) Operator's and Unit Maintenance Manual for Communications Security Equipment KY-57. 30 September 1996

TM 11-5810-292-13&P (O) Operator's, Unit and Direct Support Maintenance Manual for General Purpose Tape Reader KOI-18, Electronic Transfer Device KYK-13, Net Control Device KYX-15/15A. 31 May 1989

TM 11-5810-309-10 (O) Operator's Manual, TSEC/KG-84A, Dedicated Loop Encryption Device. 10 December 1984

TM 11-5810-312-12-1 (O) Operator's and Organizational Maintenance Manual Installation Kits for Communications Security Equipment TSEC/KY-57, Volume 1. 15 August 1982

TM 11-5810-312-12-2 (O) Operator's and Organizational Maintenance Manual Installation Kits for Communications Security Equipment TSEC/KY-57, Volume 2 Installation Kits for Wheeled Vehicles. 08 September 1982

TM 11-5810-312-12-3 (O) Operator's and Organizational Maintenance Manual Installation Kits for Communications Security Equipment TSEC/KY-57, Volume 3 Installation Kits for Tracked Vehicles. 15 November 1982

TM 11-5810-312-12-4 (O) Operator's and Organizational Maintenance Manual Installation Kits for Communications Security Equipment TSEC/KY-57, Volume 4 Installation Kits for General Purpose Use and Shelter Applications. 19 April 1983

TM 11-5810-323-12 (O) Operator's and Unit Maintenance Manual for Common Equipment Facility, HGF-83/TSEC, HGF-85/TSEC, HGF-87/TSEC. 31 August 1994

TM 11-5810-326-13 Operator's, Organizational, and Direct Support Maintenance Manual for Loop Key Generator/Common Unit HGX-82. 12 July 1989

TM 11-5810-327-10 (O) Operator's Manual for Automatic Key Distribution Center Rekeying Control Unit HGX-83/TSEC, HGX-83A/TSEC. 30 November 1993

TM 11-5810-328-13 (O) Operator's, Organizational, and Direct Support Maintenance Manual for Interface Control Unit HGX-84/TSEC. 29 June 1984

TM 11-5810-329-10 (O) Operator's Manual for Digital Subscriber Voice Terminal TSEC/KY-68. 03 June 1996

TM 11-5810-330-13 (O) Operator's, Organizational, and Direct Support Maintenance Manual for Loop Key Generator TSEC/KG-82. 01 September 1989

TM 11-5810-331-13 (O) Operator's, Unit, and Direct Support Maintenance Manual for Key Variable Generator TSEC/KG-83. 25 July 1989

TM 11-5810-349-10 (O) Operator's Manual, Secure Digital Net Radio Interface Unit KY-90. 30 December 1987

TM 11-5810-361-10 (O) Operator's Manual for Trunk Encryption Device KG-94 and KG-194. 5 May 1994

TM 11-5810-365-10 (O) Operator's Manual for Trunk Encryption Devices KG-94A, KG-194A and Interface Adapter Unit. 03 January 1994

TM 11-5820-890-10-1 Operator's Manual for SINCGARS Ground Combat Net Radio, ICOM Manpack Radio AN/PRC-119A, Short Range Vehicular Radio AN/VRC-87A, Short Range Vehicular Radio With Single Radio Mount AN/VRC-87C, Short Range Vehicular Radio with Dismount AN/VRC-88A, Short Range Vehicular Radio with Dismount and Single Radio Mount AN/VRC-88C, Short Range/Long Range Vehicular Radio AN/VRC-89A Vehicular Radio AN/VRC-90A, Short Range/Long Range Vehicular Radio with Dismount AN/VRC-91A, Short Range/Long Range Vehicular Radio with Dismount AN/VRC-92A (This item is included on EM 0071). 01 September 1992

**STP 11-25A-OFS**

TM 11-5820-890-10-2

SINGARS ICOM Ground Radio Operator's Pocket Guide for Manpack Radio AN/PRC-119A, Short Range Vehicular Radio AN/VRC-87A, Short Range Vehicular Radio with Single Radio Mount AN/VRC-87C, Short Range Vehicular Radio with Dismount AN/VRC-88A, Short Range Vehicular Radio with Dismount and Single Radio Mount AN/VRC-88C, Short Range/Long Range Vehicular Radio AN/VRC-89A, Long Range Vehicular Radio AN/VRC-90A, Short Range/Long Range Vehicular Radio with Dismount AN/VRC-91A, Long Range/Long Range Vehicular Radio AN/VRC-92A (This item is included on EM 0071). 01 September 1992

**STP 11-25A-OFS**  
**7 December 2007**

By Order of the Secretary of the Army:

**GEORGE W. CASEY, JR.**  
*General, United States Army*  
*Chief of Staff*

Official:

A handwritten signature in black ink that reads "Joyce E. Morrow". The signature is written in a cursive, flowing style.

**JOYCE E. MORROW**  
*Administrative Assistant to the*  
*Secretary of the Army*  
0732003

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