**DEPARTMENT OF THE NAVY**
HEADQUARTERS UNITED STATES MARINE CORPS
3000 MARINE CORPS PENTAGON
WASHINGTON, DC 20350-3000

NAVMC 3500.56C
C 466
02 Nov 2016

NAVMC 3500.56C

From: Commandant of the Marine Corps
To: Distribution List

Subj: COMMUNICATIONS TRAINING AND READINESS MANUAL

Ref: (a) MCO P3500.72A
(b) MCO 1553.3B
(c) MCRP 3-0A
(d) MCRP 3-0B
(e) MCO 1553.2B

Encl: (1) COMM T&R Manual

1. Purpose. Per reference (a), this Training and Readiness (T&R) Manual, contained in enclosure (1), establishes training standards, regulations, and policies regarding the training of Marines in the Communications occupational field.

2. Cancellation. NAVMC 3500.56B

3. Scope

a. Per reference (b), commanders will conduct an internal assessment of the unit's ability to execute its mission and develop long-, mid-, and short-range training plans to sustain proficiency and correct deficiencies. Training plans will incorporate these events to standardize training and provide objective assessment of progress toward attaining combat readiness. Commanders will keep records at the unit and individual levels to record training achievements, identify training gaps and document objective assessments of readiness associated with training Marines. References (c) and (d) provide amplifying information for effective planning and management of training within the unit.

b. Formal school and training detachment commanders will use references (a) and (e) to ensure programs of instruction meet skill training requirements established in this manual and provides career-progression training in the events designated for initial training in the formal school environment.

4. Information. Commanding General (CG), Training and Education Command (TECOM) will update this T&R Manual as necessary to provide current and relevant training standards to commanders. All questions pertaining to the Marine Corps Ground T&R Program and Unit Training Management should be directed to: CG, TECOM, Marine Air Ground Task Force Training and Education Standards Division (C 466), 1019 Elliot Road, Quantico, Virginia 22134.

5. Command. This Manual is applicable to the Marine Corps Total Force.

6. Certification. Reviewed and approved this date.

J. W. LUKEMAN
By direction

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TRAINING AND READINESS MANUAL

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## CHAPTER 1

## OVERVIEW

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 1

## OVERVIEW

### 1000. INTRODUCTION

1. The T&R Program is the Corps' primary tool for planning, conducting and evaluating training and assessing training readiness. Subject matter experts (SMEs) from the operating forces developed core capability Mission Essential Task List(s) (METLs) for ground communities derived from the Marine Corps Task List (MCTL). This T&R Manual is built around these METLs and other related Marine Corps Tasks (MCT). All events contained in the Manual relate directly to these METLs and MCTs. This comprehensive T&R Program will help to ensure the Marine Corps continues to improve its combat readiness by training more efficiently and effectively. Ultimately, this will enhance the Marine Corps' ability to accomplish real-world missions.

2. The T&R Manual contains the individual and collective training requirements to prepare units to accomplish their combat mission. The T&R Manual is not intended to be an encyclopedia that contains every minute detail of how to accomplish training. Instead, it identifies the minimum standards that Marines must be able to perform in combat. The T&R Manual is a fundamental tool for commanders to build and maintain unit combat readiness. Using this tool, leaders can construct and execute an effective training plan that supports the unit's METL. More detailed information on the Marine Corps Ground T&R Program is found in reference (a).

3. The T&R Manual is designed for use by unit commanders to determine pre-deployment training requirements in preparation for training and for Formal Schools and Training Detachments to create Programs of Instruction (POI). This directive focuses on individual and collective tasks performed by operating forces (OPFOR) units and supervised by personnel in the performance of unit Mission Essential Tasks (METs).

### 1001. UNIT TRAINING

1. The training of Marines to perform as an integrated unit in combat lies at the heart of the T&R program. Unit and individual readiness are directly related. Individual training and the mastery of individual core skills serve as the building blocks for unit combat readiness. A Marine's ability to perform critical skills required in combat is essential.

2. Commanders will ensure that all training is focused on their combat mission. Unit training should focus on achieving proficiency in the unit METL. The T&R Manual is a tool to help develop the unit's training plan based on the unit METL, as approved by their higher commander and reported in the DRRS. Training will support the unit METL and be designed to meet T&R standards. Commanders at all levels are responsible for effective combat training. The conduct of standards based training consistent with Marine Corps T&R standards cannot be over emphasized.

## 1002. UNIT TRAINING MANAGEMENT

1. Effective Unit Training Management (UTM) focuses the overall organization on development of training plans based on the unit METL and standards-based community T&R events. This is accomplished in a manner that maximizes training results and focuses the training priorities of the unit in preparation for the conduct of its mission.

2. UTM techniques, described in reference (b), (c), and (d) provide commanders with the requisite tools and techniques to analyze, design, develop, implement, and evaluate the training of their unit. To maintain an efficient and effective training program, leaders at every level must understand and implement UTM.

## 1003. SUSTAINMENT AND EVALUATION OF TRAINING

1. Marines are expected to maintain proficiency in the training events for their MOS at the appropriate grade or billet to which assigned. Leaders are responsible for recording the training achievements of their Marines. For individual or collective training events not executed and evaluated as part of the daily routine, leaders must ensure proficiency is sustained by requiring retraining of each event at or before expiration of the designated sustainment interval.

2. The evaluation of training is necessary to properly prepare Marines for combat. Evaluations are either formal or informal, and performed by members of the unit (internal evaluation) or from an external command (external evaluation). The purpose of formal and informal evaluation is to provide commanders with a process to determine a unit's/Marine's proficiency in the tasks that must be performed in combat. Informal evaluations are conducted during every training evolution. Formal evaluations are often scenario-based, focused on the unit's METs, based on collective training standards, and usually conducted during higher-level collective events.

3. Evaluation is a continuous process that is integral to training management and is conducted by leaders at every level and during all phases of planning and the conduct of training. To ensure training is efficient and effective, evaluation is an integral part of the training plan. Ultimately, leaders remain responsible for determining if the training was effective.

## 1004. ORGANIZATION

This Communications T&R Manual is comprised of 27 chapters and 2 appendices. Chapter 1 is an overview of the Ground T&R Program. Chapter 2 lists the core METs/Marine Corps tasks supported by the Community, which are used as part of

DRRS. Chapter 3 contains collective events. Chapters 4 through 27 contain individual events specific to a particular MOS and/or billet, as noted. Appendix A contains acronyms and abbreviations; Appendix B contains terms and definitions.

**1005. T&R EVENT CODING**

1. Event Code. The event code is an up to 4-4-4 alphanumeric character set:

a. First up to 4 characters indicate MOS or Community (e.g., 0321, 1812 or INTL)

b. Second up to 4 characters indicate functional or duty area (e.g. DEF, FSPT, MVMT, etc.)

c. Third 4 characters indicate the unit size and supported unit, if applicable (1000 through 9000), and sequence. Figure 1-1 shows the relationship of unit size to event code. NOTE: The titles for the various echelons are for example only, and are not exclusive. For example: 4000-level events are appropriate for Section-level events as noted, but also for Squad-level events.

| **Individual Training**<br><br>**Entry-Level Formal School Training (Core Skills)** | **Individual Training**<br><br>**Skills Progression MOJT, Advanced Level Schools (Core Plus Skills)** | **Collective Training**<br><br>**Crew/Team** |
|---|---|---|
| 1000-level | 2000-level | 3000-level |
| **Collective Training**<br><br>**Squad/Section** | **Collective Training**<br><br>**Platoon** | **Collective Training**<br><br>**Company** |
| 4000-level | 5000-level | 6000-level |
| **Collective Training**<br><br>**Battalion/Squadron** | **Collective Training**<br><br>**Regiment/Group** | **Collective Training**<br><br>**Command Element** |
| 7000-level | 8000-level | 9000-level |

Figure. 1-1 T&R Event Levels

2. Grouping. Categorizing events with the use of a recognizable code makes the type of skill or capability being referenced fairly obvious. Examples include: PAT for patrolling events, DEF for events in the defense, FSPT for events related to fire support, etc. There is no special significance to the functional areas, but they should be intuitive to make it as easy as possible for the T&R user to find events. When organizing the T&R Manual, functional areas are alphabetized then the associated events are numbered. The events will be numbered based upon the introduction of each new functional area, allowing up to "999" events. For example: if there are seven Administrative events 4431 occupational field, then the events should start 4431-ADMN-1001 and run through 1007. Next, the Bulk Fuel events, BUFL should start at 4431-

BUFL-1001.

3. Sequencing. A numerical code is assigned to each individual (1000-2000 level) or collective (3000-9000 level) training event. The first number identifies the size of the unit performing the event, as depicted in figure 1-1. EXCEPTION: Events that relate to staff planning, to the conduct of a command operations center or to staff level decision making processes will be numbered according to the level of the unit to which the staff belongs. For example: an infantry battalion staff conducting planning for an offensive attack would be labeled as INF-PLAN-7001 even though the entire battalion is not actively involved in the planning of the operation. T&R event sequence numbers that begin with "9" are reserved for Marine Air Ground Task Forces (MAGTF) Command Element (CE) events. An example of event coding is displayed in Figure 1-2.

**Functional Area**

MOS/Community--------> ####-####-#### <-1st event in sequence

***Event level***

Figure 1-2: T&R Event Coding

**1006. T&R EVENT COMPOSITION**

1. An event contained within a T&R Manual is an individual or collective training standard. This section explains each of the components that make up the T&R event. These items will be included in all of the events in each T&R Manual. Community-based T&R Manuals may have several additional components not found in unit-based T&R Manuals. The event condition, event title (behavior) and event standard should be read together as a grammatical sentence.

2. An example of a collective T&R event is provided in figure 1-3 and an example of an individual T&R event is provided in figure 1-4. Events shown in figures are for illustrative purposes only and are not actual T&R events.

XXXX-XXXX-####: Provide interior guard

SUPPORTED MET(S): MCT #.#.#

EVALUATION CODED: YES/NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Text

CONDITION: Text

STANDARD: Text

EVENT COMPONENTS:
1. Event component.
2. Event component.
3. Event component.

REFERENCES:

1. Reference
2. Reference
3. Reference

PREREQUISITE EVENTS:
XXXX-XXXX-####  XXXX-XXXX-####

INTERNAL SUPPORTED:
XXXX-XXXX-####  XXXX-XXXX-####

INTERNAL SUPPORTING:
XXXX-XXXX-####  XXXX-XXXX-####

SUPPORT REQUIREMENTS:

  EQUIPMENT: XXX

MISCELLANEOUS: XXX

  ADMINISTRATIVE INSTRUCTIONS: XXX

Figure 1-3: Example of a Collective T&R Event

XXXX-XXXX-####: Stand a sentry post

EVALUATION CODED: NO  SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Text

MOS PERFORMING: ####, ####

INITIAL TRAINING SETTING: XXX

CONDITION: Text

STANDARD: Text

PERFORMANCE STEPS:
1. Event component.
2. Event component.
3. Event component.

REFERENCES:
1. Reference
2. Reference
3. Reference

PREREQUISITE EVENTS:
XXXX-XXXX-####  XXXX-XXXX-####

INTERNAL SUPPORTED:
XXXX-XXXX-####  XXXX-XXXX-####

INTERNAL SUPPORTING:
XXXX-XXXX-####  XXXX-XXXX-####

SUPPORT REQUIREMENTS:

EQUIPMENT: XXX

MISCELLANEOUS: XXX

ADMINISTRATIVE INSTRUCTIONS: XXX

Figure 1-4: Example of an Individual Event

1. Event Code. The event code is explained in paragraph 1005.

2. Title. The name of the event. The event title contains one action verb and ideally, one object.

3. Evaluation Coded. Collective events categorize the capabilities that a given unit may be expected to perform. There are some collective events that the Marine Corps has determined that a unit MUST be able to perform, if that unit is to be considered fully ready for operations. These E-Coded events represent the irreducible minimum or the floor of readiness for a unit. E-Coded events are derived from the training measures of effectiveness for the METs for units that must report readiness in the DRRS. It would seem intuitive that most E-Coded events would be for Battalion sized units and higher since those are the units that report in DRRS. However, if the Marine Corps has determined that the readiness of a subordinate, supporting unit to accomplish a particular collective event is vital to the accomplishment of the supported unit's MET, then that lower echelon collective event is E-Coded.

4. Supported MET(s). List all METs that are supported by the training event in the judgment of the occupation field drafting the T&R Manual, even if those events are not listed as Measure of Effectiveness (MOEs) in a MET.

5. Sustainment Interval. It is critical to understand the intent of the Sustainment Interval so training time is not wasted with duplicated training. Sustainment Interval is expressed in number of months. Most individual T&R events and many lower level collective events are never out of sustainment because they are either part of a Marine's daily routine, or are frequently executed within the sustainment interval. Sustainment Interval is relevant when an individual or collective event is not observed and evaluated within the sustainment period, has atrophied, and therefore retraining and evaluation is required.

6. Billet/MOS. Each individual training event will contain a billet code and/or MOS that designates who is responsible for performing that event and any corresponding formal course required for that billet. Each commander has the flexibility to shift responsibilities based on the organization of his command. These codes are based on recommendations from the collective subject matter expertise that developed this manual and are listed for each event.

7. Grade. The Grade field indicates the rank at which Marines are required to complete the event.

8. Description. This field allows T&R developers to include an explanation of event purpose, objectives, goals, and requirements. It is a general

description of an action requiring learned skills and knowledge, i.e., engage fixed target with crew-served weapons. This is an optional field for individual events but is required for collective events. This field can be of great value guiding a Formal School or OPFOR unit trying to discern the intent behind an event that might not be readily apparent.

9. Condition. Condition refers to the constraints that may affect event performance in a real-world environment. It indicates what is provided (equipment, tools, materials, manuals, aids, etc.), environmental constraints or conditions under which the task is to be performed, and any specific cues or indicators to which the performer must respond. Commanders can modify the conditions of the event to best prepare their Marines to accomplish the assigned mission (e.g. in a desert environment; in a mountain environment; etc.). When resources or safety requirements limit the conditions, this should be stated. The content of the condition should be included in the event on a "by exception" basis. If there exists an assumption regarding the conditions under which all or most of the events in the Manual will be performed, then only those additional or exceptional items required should be listed in the condition. The common conditions under which all the events in a chapter will be executed will be listed as a separate paragraph at the beginning of the chapter.

10. Standard. The performance standard indicates the basis for judging the effectiveness of the performance. It consists of a carefully worded statement that identifies the proficiency level expected when the task is performed. The standard provides the minimum acceptable performance parameters and must be strictly adhered to. The standard for collective events will likely be general, describing the desired end-state or purpose of the event. The standard for individual events will be objective, quantifiable, and readily observable. Standards will more specifically describe to what proficiency level, specified in terms of accuracy, completeness, time required, and sequencing the event is to be accomplished. These guidelines can be summarized in the acronym "ACTS" (Accuracy Completeness Time Sequence. In no cases will "per the reference" or "per/in accordance with commander's intent" be used as a stand-alone standard.

11. Event Components/Performance Steps. Description of the actions that the event is composed of, or a list of subordinate, included T&R event and event descriptions. The event components help the user determine what must be accomplished and the proper sequence of execution of subordinate events. Event components are used for collective events; performance steps are used for individual events.

a. The event components and performance steps will be consciously written so that they may be employed as performance evaluation check lists by the operating forces. They must be sequenced to demonstrate the building block approach to training.

b. Event components may be events one individual in the unit performs, events that small groups in the unit perform, or events involving the entire unit.

12. Chained Events. Enables unit leaders to effectively identify prerequisite, supporting, and supported events that ultimately support MCTs/METs. Supported events are chained to supporting events to enable the accomplishment of the supported event to standard and therefore are considered "chained". The completion of identified supported events can be

utilized to update sustainment interval credit for supporting events, based on the assessment of the commander.

13. Prerequisite Events. Prerequisites are academic training or other T&R events that must be completed prior to attempting the task. They are lower-level events or tasks that give the individual/unit the skills required to accomplish the event. They can also be planning steps, administrative requirements, or specific parameters that build toward mission accomplishment.

14. Supported Event. An event whose performance is inherently supported by the performance of one or more supporting events. A supported event will be classified as internal supported if it has been developed specifically for the community. A supported event that has been chained to an event from an external community T&R will be classified as external supported.

15. Supporting Event. An event whose performance inherently supports the performance of a supported event. A supporting event will be classified as internal supporting if it has been developed specifically for the community. A supporting event that has been chained to a community event from an external community T&R will be classified as external supporting.

16. Initial Training Setting. All individual events will designate the setting at which the skill is first taught, either formally, MOJT within the OPFOR, or via a distance learning product (DL).

17. References. The training references shall be utilized to determine task performance steps. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. T&R Manuals are designed to be a training outline, not to replicate or replace doctrinal publications, reference publications or technical manuals. References are key to developing detailed lesson plans, determining grading criteria, and ensuring standardization of training. For individual events only one authoritative reference is required.

18. Distance Learning Products. Distance learning products include: Individual Multimedia Instruction (IMI), Computer-Based Training (CBT), MarineNet, etc. This notation is included when, in the opinion of the TRMG in consultation with the MTESD representative, the event can be taught via one of these media vice attending a formal course of instruction or receiving MOJT.

19. Support Requirements. This is a list of the external and internal support the unit and Marines will need to complete the event. This is a key section in the overall T&R effort, as resources will eventually be tied directly to the training towards METS. Future efforts to attain and allocate resources will be based on the requirements outlined in the T&R Manual. The list includes, but is not limited to:

- Range(s)/Training Area
- Ordnance
- Equipment
- Materials
- Other Units/Personnel

The ordnance requirements for one year of training for the events in the T&R will be aggregated into a table contained in an appendix to the T&R. The task analyst and the occupational field representatives will be careful not to "double count" ammunition that might be employed in the performance of individual and collective events that are chained.

20. Suitability of Simulation/Simulators/DL products. The following "Suitability and Sequence" codes listed in Figure 1-5 have been developed to communicate characteristics for employing simulations during training. Units of measure have been assigned based on the amount of time it takes a Marine or unit to train to task utilizing a particular simulator. Suitability and Sequence codes are captured in the event title in a parenthetical remark, as well as within the simulation field of the T&R event. The simulation field also identifies the type of simulation, units of measure, and any other pertinent information.

| Code | Requirement |
|---|---|
| L | The event can only be trained to standard in a Live environment. Any event assessed as "NO" for Simulatab1e was coded "L." |
| P | The event must be performed to standard in simulator as a PREREQUISITE to live fire qualification as per current policy, T&R manual, or doctrine. |
| S/L | Event must be trained to standard in simulation then live unless simulation capacity is not available, then live only training is appropriate. |
| L/S | Event must be trained to standard in a live environment then simulation unless simulation capacity is not available, then live only training is appropriate. |
| S | Event can ONLY be conducted to standard and qualification in simulator. |

Figure 1-5: Suitability and Sequence codes

a. Training simulation capabilities offer an opportunity to build and sustain proficiency while achieving and/or maintaining certain economies. Commanders should take into consideration simulation tools as a matter of course when designing training.

b. Simulation Terms:

(1) Simulation: A model of a system animated discretely or continuously over a period of time. A simulation may be closed-loop (i.e., it executes based in initial inputs without human intervention), or it may be open-loop (i.e., human input to alter the variables in the system during execution is allowed). A simulation is an approximation of how the modeled system will behave over time. Simulations are constructed based on verified and validated mathematical models of actual systems. Simulations can be very

simple or complex depending on the degree of fidelity and resolution needed to understand the behavior of a system.

(2) Simulator: A simulator is the physical apparatus employed as the interface for humans to interact with a model or observe its output. A simulator has input controls and outputs in the form of human sensory stimuli (visual, auditory, olfactory, tactile/haptic, and taste). For instance, some of the features of the vehicle cab (the seat, steering wheel, turn signals, accelerator pedal, brakes, and windshield) and projection screen. Both the vehicle cab and projection screen are the interface by which a human being interacts with the simulated environment of a driving a vehicle and observe the outputs of the mathematical models of vehicle dynamics.

(3) Model: A mathematical representation of the behavior (i.e., shows the behavior of projectiles, combat simulations, etc.) of a system at a distinct point in time.

(4) Live: Real people operates real systems to include both live people operating real platforms or systems on a training range and battle staffs from joint, component or service tactical headquarters using real world C2 systems.

(5) Virtual: Real people operating simulated systems. Virtual simulations inject humans-in-the-loop in a central role by exercising motor control skills (e.g., flying an air platform simulator, engaging targets in indoor simulated marksmanship trainer), decision skills, and/or communication skills.

(6) Constructive: Models and simulations that involve simulated people operating simulated systems (i.e., MAGTF Tactical Warfare Simulation). Real people make inputs to such simulations, but are not involved in determining the outcomes.

(7) Live, Virtual and Constructive Training Environment: Defined by combining any of the three training domains (LVC) to create a common operational environment, by which units can interact across LVC domains as though they are physically located in the same operational environment.

(8) Distance Learning: Any instruction and evaluation provided through a variety of distance learning delivery systems (i.e., MarineNet) where the students and instructors are separated by time and/or location.

c. Figure 1-6 depicts an event title with simulation code and simulation and/or simulators that can be used, as displayed within a T&R event.

**XXXX-XXX-XXXX**: Call for indirect fire using the grid method (L/S)

**SUPPORT REQUIREMENTS**:

**SIMULATION EVALUATION**:

| SIMULATED | SUITABILITY | SIMULATOR | UNIT OF MEASURE | HOURS | PM |
|---|---|---|---|---|---|
| Yes | L/S | ODS | Marine Hours | 12 | Y |

Figure 1-6: Example of Simulation/Simulators displayed within a T&R event

21. Miscellaneous

a. This field provides space for any additional information that will assist in the planning and execution of the event. Units and FLCS are cautioned not to disregard this information or to consider the information of lesser importance than what is contained in other parts of the T&R event. Miscellaneous fields provide an opportunity for the drafters of the T&R event to communicate vital information that might not fit neatly into any other available field. The list may include, but is not limited to:

- Admin Instructions
- Special Personnel Certifications
- Equipment Operating Hours
- Road Miles

**1007. COMBAT READINESS PERCENTAGE (CRP)**

1. The Marine Corps Ground T&R Program includes processes to assess readiness of units and individual Marines. Every unit in the Marine Corps maintains a basic level of readiness based on the training and experience of the Marines in the unit. Even units that never trained together are capable of accomplishing some portion of their missions. Combat readiness assessment does not associate a quantitative value for this baseline of readiness, but uses a "Combat Readiness Percentage" as a method to provide a concise descriptor of the recent training accomplishments of units and Marines.

2. CRP is the percentage of required training events that a unit or Marine accomplishes within specified sustainment intervals.

3. Unit combat readiness is assessed as a percentage of the successfully completed and current (within sustainment interval) key training events called "Evaluation-Coded" (E-Coded) Events. E-Coded Events and unit CRP calculation are described in follow-on paragraphs. CRP achieved through the completion of E-Coded Events is directly relevant to readiness assessment in DRRS.

**1008. CRP CALCULATION**

1. Collective training begins at the 3000-level (team, crew or equivalent). Unit training plans are designed to accomplish the events that support the unit METL while simultaneously sustaining proficiency in individual core skills. E-Coded collective events are the only events that contribute to unit CRP. This is done to assist commanders in prioritizing the training toward the METL, taking into account resource, time, and personnel constraints.

2. Unit CRP increases after the completion of E-Coded events. The number of E-Coded events for the MET determines the value of each E-Coded event. For example, if there are 4 E-Coded events for a MET, each is worth 25% of MET CRP. MET CRP is calculated by adding the percentage of each completed and current (within sustainment interval) E-Coded training event. The percentage for each MET is calculated the same way and all are added together and divided by the number of METS to determine unit CRP. For ease of

calculation, we will say that each MET has four E-Coded events, each contributing 25% towards the completion of the MET. If the unit has completed and is current on three of the four E-Coded events for a given MET, then they have completed 75% of the MET. The CRP for each MET is added together and divided by the number of METS to get unit CRP; unit CRP is the average of MET CRP.

For Example:

MET 1: 75% complete (3 of 4 E-Coded events trained)
MET 2: 100% complete (6 of 6 E-Coded events trained)
MET 3: 25% complete (1 of 4 E-Coded events trained)
MET 4: 50% complete (2 of 4 E-Coded events trained)
MET 5: 75% complete (3 of 4 E-Coded events trained)

To get unit CRP, simply add the CRP for each MET and divide by the number of METS:

MET CRP: 75 + 100 + 25 + 50 + 75 = 325

Unit CRP: 325 (total MET CRP)/5 (total number of METS) = 65%

3. CRP is a valuable tool to assist commanders in readiness reporting by providing objective data to support and inform their subjective assessment.

## 1009. CHEMICAL BIOLOGICAL RADIOLOGICAL NUCLEAR TRAINING

1. All personnel assigned to the operating force must be trained in CBRN defense in order to survive and continue their mission in this environment. Individual proficiency standards are defined as survival and basic operating standards. Survival standards are those that the individual must master in order to survive CBRN attacks. Basic operating standards are those that the individual, and collectively the unit, must perform to continue operations in a CBRN environment.

2. In order to develop and maintain the ability to operate in a CBRN environment, CBRN training is an integral part of the training plan and events in this T&R Manual. Units should train under CBRN conditions whenever possible. Per reference (c), all units must be capable of accomplishing their assigned mission in a contaminated environment.

## 1010. NIGHT TRAINING

1. While it is understood that all personnel and units of the operating force are capable of performing their assigned mission in "every clime and place," current doctrine emphasizes the requirement to perform assigned missions at night and during periods of limited visibility. Basic skills are significantly more difficult when visibility is limited.

2. To ensure units are capable of accomplishing their mission they must train under the conditions of limited visibility. Units should strive to conduct all events in this T&R Manual during both day and night/limited visibility conditions. When there is limited training time available, night training should take precedence over daylight training, contingent on the availability of equipment and personnel.

## 1011. RISK MANAGEMENT (RM)

1. RM is a process that enables commanders to plan for and minimize risk while still accomplishing the mission. It is a tool to aid decision making used by Marines at all levels to increase effectiveness by anticipating hazards and reducing the potential for loss, thereby increasing the probability of success. RM minimizes risks to acceptable levels, commensurate with mission accomplishment.

2. All leaders and Marines will integrate risk management in the planning process and implement hazard controls to reduce risk to acceptable levels. Applying the RM process will reduce mishaps, injuries, and damage they cause, thereby increasing both individual performance and unit readiness. RM assists the commander in avoiding unnecessary risk, determining the balance between training realism and unnecessary risks in training, making an informed decision to implement a course of action (COA), identifying feasible and effective control measures, adjusting training plans to fit the level of proficiency and experience of Marines/Sailors, and providing reasonable alternatives for mission accomplishment.

3. Specifically, Commanders are required to implement and document deliberate risk management in the planning and execution of all training evolutions and activities. Furthermore, the authority to approve or accept Risk Assessment Code (RAC) 1 or 2 hazards will not be delegated below Lieutenant Colonel (O5). Further guidance for RM is found in Marine Corps Order 3500.27_.

## 1012. IMPROVISED EXPLOSIVE TRAINING

1. Improvised Explosive Device (IED) threat impacts all elements of the MAGTF and all Marines regardless of military occupational specialty, location, or operational environment. The ability to effectively operate and survive in environments with an IED threat is critical to force protection, maintaining combat effectiveness, and mission accomplishment.

2. Per Marine Corps Policy on Organizing, Training, and Equipping for Operations in an IED Environment (MCO 3502.9), Marines must be capable of not only accomplishing their assigned mission, but also accomplishing their mission in environments with an IED threat. Counter-Improvised Explosive Device (C-IED) training must be integrated into the unit training plan IOT ensure personnel assigned to the Operating Forces train and maintain proficiency in C-IED tactics, techniques, and procedures.

## 1013. MOS-SPECIFIC PHYSICAL STANDARDS

1. This T&R Manual contains MOS-specific physical standards, which must be demonstrated, in order to achieve MOS qualification. These MOS-specific physical standards have been identified throughout this T&R Manual within the administrative instructions to the event.

2. Assessments for MOS-specific physical standards have been developed and are contained within Appendix E. These assessments provide Commanders reasonable assurance that a Marine has the physical capacity to perform the regularly assigned and recurrent duties of the MOS.

3. These MOS-specific physical standards are not the sole requirement for MOS qualification.

COMMUNICATIONS TRAINING AND READINESS MANUAL

# CHAPTER 2

# MISSION-ESSENTIAL TASKS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 2

MISSION-ESSENTIAL TASKS

**2000. CORE MISSION-ESSENTIAL TASKS (MET).**

The MET tables list the standardized core METs for various units supported by the Communications community.

**2001. COMM BN CORE COMMUNICATIONS METS**

| | |
|---|---|
| MCT 5.1.1.1 | Provide Single Channel Radio Communications |
| MCT 5.1.1.2 | Provide Wide Area Networks (WAN) / Local Area Networks (LAN) Communications |
| MCT 5.1.1.3 | Provide Electronic Message Communications |
| MCT 5.1.1.4 | Provide Telephone Communications |
| MCT 5.1.1.5 | Provide Digital Backbone |
| MCT 5.1.2.6 | Provide Communications Control |

**2002. DIV HQTRS BN CORE COMMUNICATIONS METS**

| | |
|---|---|
| MCT 5.3.2 | Establish Means for Command and Control |

**2003. HQTRS CO CLR (MFR) CORE COMMUNICATIONS METS**

| | |
|---|---|
| MCT 5.1.1 | Provide and Maintain Communications |

**2004. HQTRS REGT MLG CORE COMMUNICATIONS METS**

| | |
|---|---|
| MCT 5.1.1 | Provide and Maintain Communications |

**2005. MHG CORE COMMUNICATIONS METS**

| | |
|---|---|
| MCT 5.1.1 | Provide and Maintain Communications |

**2006. MWCS CORE COMMUNICATIONS METS**

| | |
|---|---|
| MCT 5.1.1.1 | Provide Single Channel Radio Communications |
| MCT 5.1.1.2 | Provide Wide Area Networks (WAN) / Local Area Networks (LAN) Communications |
| MCT 5.1.1.4 | Provide Telephone Communications |
| MCT 5.1.1.5 | Provide Digital Backbone |
| MCT 5.1.2.6 | Provide Communications Control |

**2007. MWSS CORE COMMUNICATIONS METS**

| | |
|---|---|
| MCT 6.3.3 | Restore Mission Essential Operations and Communications |

**2008. RECONNAISSANCE BN CORE COMMUNICATIONS METS**

| | |
|---|---|
| MCT 5.3.2 | Establish Means for Command and Control |

**2009. COMMUNICATIONS MET-SUPPORTING E-CODED EVENTS**

The Communications MET-Supporting E-coded Events table lists the E-coded collective T&R events that support the core METs identified in tables 2001-2008. These E-coded T&R events form the basis for unit readiness planning per reference (d), identifying subordinate collective and individual training events through the supporting/chained relationships described in each event.

| Event Code | E-Coded | Event |
|---|---|---|
| COMM-CCON-3001 | N | Perform Communication Control (COMMCON) |
| COMM-CCON-4001 | N | Perform Communication Control (COMMCON) |
| COMM-CCON-5001 | N | Perform Communication Control (COMMCON) |
| COMM-CCON-6001 | Y | Perform Communication Control (COMMCON) |
| COMM-CCON-7001 | Y | Perform Communication Control (COMMCON) |
| COMM-DATA-3001 | N | Provide data services |
| COMM-DATA-4001 | N | Provide data services |
| COMM-DATA-5001 | N | Provide data services |
| COMM-JTF-4001 | N | Provide initial communications for a JTF command element |
| COMM-MEU-4001 | N | Provide communications for a MEU command element |
| COMM-NET-3001 | N | Provide network services |
| COMM-NET-3002 | N | Provide long haul cabling transport |
| COMM-NET-4001 | N | Provide network services |
| COMM-NET-5001 | N | Provide network services |
| COMM-OPS-3001 | Y | Provide access to DISN services |
| COMM-OPS-3002 | Y | Establish a communications site |
| COMM-OPS-4001 | Y | Provide access to DISN services |
| COMM-OPS-4002 | Y | Establish a communications site |
| COMM-OPS-5001 | Y | Distribute communication services across the MAGTF/MSE |
| COMM-OPS-5002 | Y | Provide access to DISN services |
| COMM-OPS-5003 | Y | Establish a communications site |
| COMM-OPS-6001 | Y | Distribute communication services across the MAGTF/MSE |
| COMM-OPS-6002 | Y | Provide access to DISN services |
| COMM-OPS-7001 | Y | Distribute communication services across the MAGTF/MSE |
| COMM-OPS-7002 | Y | Provide access to DISN services |
| COMM-SPE-6001 | N | Provide Systems Planning Engineering |
| COMM-SPE-7001 | N | Provide Systems Planning and Engineering |
| COMM-TRAN-3001 | N | Provide single channel radio services |
| COMM-TRAN-3002 | N | Provide satellite communications services |
| COMM-TRAN-3003 | N | Provide multichannel radio services |

| | | |
|---|---|---|
| COMM-TRAN-5001 | N | Provide transmission services |

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 3

## COLLECTIVE EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 3

COLLECTIVE EVENTS

**3000. PURPOSE.** Chapter 3 contains collective training events for the Communications community.

**3001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| COMM | Communications |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| CCON | Communications Control |
| DATA | Data |
| JTF | Joint Task Force Enabler |
| MEU | MEU Support |
| NET | Network |
| OPS | Operations |
| TRAN | Transmission |
| SPE | Systems Planning and Engineering |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 9000 | Brigade/Group Level |
| 8000 | Regiment Level |
| 7000 | Battalion/Squadron Level |
| 6000 | Company Level |
| 5000 | Platoon Level |
| 4000 | Squad/Section Level |
| 3000 | Team/Crew Level |

**3002. INDEX OF COLLECTIVE EVENTS**



**3003. 7000-LEVEL EVENTS**

**COMM-CCON-7001:** Perform Communication Control (COMMCON)

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** COMMCON is exercised through the organization, direction, coordination, planning, decentralized execution, and employment of resources to engineer, install, operate, maintain, and defend a secure communications network responsive to operational requirements. COMMCON consists of three functional areas: systems planning and engineering, operational systems control, and technical control, and is exerted through the arrangement of communication elements throughout the chain of command to ensure MAGTF interoperability.

**CONDITION:** Given a command's mission, communications plan, all equipment and personnel.

**STANDARD:** Mitigating risks to communication networks and minimizing service interruptions.

**EVENT COMPONENTS:**
1. Establish a COMMCON hierarchy.
2. Perform SPE.
3. Establish a SYSCON.
4. Establish a TECHCON.
5. Establish defensive cyberspace operations capabilities.
6. Establish a helpdesk, as required.
7. Submit reports, as required.
8. Coordinate network modifications.

**REFERENCES:**
1. JP 6-0 Joint Communications System
2. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:** COMM-SCON-6001

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**COMM-OPS-7001:** Distribute communication services across the MAGTF/MSE

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The battalion/squadron will distribute classified/unclassified transmission, network, data, cybersecurity services in support of end user communication requirements enabling command and control.

**CONDITION:** Given a command's mission, communications plan, equipment and personnel.

**STANDARD:** Enabling command and control.

**EVENT COMPONENTS:**
1. Establish transmission services, as required.
2. Establish network services, as required.

3. Establish data services, as required.
4. Establish cybersecurity services, as required.
5. Identify spectrum requirements.
6. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:** COMM-OPS-6001

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**COMM-OPS-7002:** Provide access to DISN services

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 6.3.3

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The battalion/squadron will provide DISN STEP access and IOM all required communication and support assets IOT provide certified and accredited classified/unclassified transmission, network, data, cybersecurity services in support of end user communications, enabling command and control.

**CONDITION:** Given a command's mission, operational tasking and associated planning documentation, a communications plan, required equipment staged and ready, an approved certification and accreditation package, documentation, references, and personnel.

**STANDARD:** Within 36 hours, and satisfying the commander's communication requirements.

**EVENT COMPONENTS:**
1. Embark unit.
2. Establish field power, as required.
3. Establish transmission services as required.
4. Establish network services, as required.
5. Establish data services, as required.
6. Establish cybersecurity services, as required.
7. Identify spectrum requirements.
8. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:** COMM-OPS-6002

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power is provided by the 1100 occupational field, Utilities. Refer to NAVMC 3500.12_ Engineers & Utilities T&R Manual for T&R events relating to field power, including 0600 occupational field Marines performing incidental operation of utilities equipment.

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**COMM-SCON-7001:** Provide System Control (SYSCON)

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The SYSCON performs current operations functions for communications operations. It is established to maintain current information on availability and operational readiness and to set priorities and resolve conflicts. The SYSCON receives direction from the Communication Control Center (CCC) and coordinates directly with senior, subordinate, and adjacent SYSCONs as required.

**CONDITION:** Provided a commands mission, a communications plan, and required equipment and personnel.

**STANDARD:** In accordance with the communications plan.

**EVENT COMPONENTS:**
1. Monitor availability/operational readiness of communication systems.
2. Direct circuit/link establishment, restoration, and disestablishment priorities.
3. Resolve circuit/link conflicts.
4. Coordinate with higher, adjacent, supporting, subordinate communications control centers.
5. Maintain communications systems change management log.

**REFERENCES:**
1. JP 6-0 Joint Communications System
2. MCO 3500.27_ Operational Risk Management (ORM)
3. MCWP 3-40.3 MAGTF Communications System
4. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:** COMM-SCON-6001

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**COMM-SPE-7001:** Provide Systems Planning and Engineering

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** Communications planning cells at all echelons conduct a deliberate process to develop a communications plan that supports operational requirements.

**CONDITION:** Provided mission requirements, references, and personnel.

**STANDARD:** Supporting operational requirements.

**EVENT COMPONENTS:**
1. Identify communications requirements.
2. Develop Annex K to the operations order.
3. Develop network services plan.
4. Develop data services plan.
5. Develop cybersecurity services plan.
6. Develop transmission services plan.
7. Identify spectrum requirements.
8. Develop information security plan.
9. Identify COMSEC callout requirements.
10. Develop certification and accreditation package.
11. Submit plan.

**REFERENCES:**
1. CJCSM 3130.03 APEX Adaptive Planning and Execution (APEX) Planning Formats and Guidance
2. JP 6-0 Joint Communications System
3. MCO 3500.27_ Operational Risk Management (ORM)
4. MCWP 3-40.3 MAGTF Communications System
5. Operation/Exercise Order
6. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:** COMM-SPE-6001

---

**COMM-CCON-6001:** Perform Communication Control (COMMCON)

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** COMMCON is exercised through the organization, direction, coordination, planning, decentralized execution, and employment of resources to engineer, install, operate, maintain, and defend a secure communications network responsive to operational requirements. COMMCON consists of three functional areas; systems planning and engineering, operational systems control, and technical control, and is exerted through the arrangement of communication elements throughout the chain of command to ensure MAGTF interoperability.

**CONDITION:** Given a command's mission, communications plan, all equipment and personnel.

**STANDARD:** Mitigating risks to communication networks and minimizing service interruptions.

**EVENT COMPONENTS:**
1. Establish a COMMCON hierarchy.
2. Perform SPE.
3. Establish a SYSCON.
4. Establish a TECHCON.
5. Establish defensive cyberspace operations capabilities.

6. Establish a helpdesk, as required.
7. Submit reports, as required.
8. Coordinate network modifications.

**REFERENCES:**
1. JP 6-0 Joint Communications System
2. MCWP 3-40.3 MAGTF Communications System

---

**COMM-OPS-6001:** Distribute communication services across the MAGTF/MSE

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The company/detachment will distribute classified/unclassified transmission, network, data, cyber-security services in support of end user communication requirements enabling command and control.

**CONDITION:** Given a command's mission, communications plan, equipment and personnel.

**STANDARD:** Enabling command and control.

**EVENT COMPONENTS:**
1. Establish transmission services as required.
2. Establish network services, as required.
3. Establish cybersecurity services, as required.
4. Establish data services, as required.
5. Identify spectrum requirements.
6. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**
COMM-DATA-5001 COMM-NET-5001 COMM-TRAN-5001

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**COMM-OPS-6002:** Provide access to DISN services

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 6.3.3

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The company/detachment will provide DISN STEP access and IOM all required communication and support assets IOT provide certified and accredited classified/unclassified transmission, network, data, cybersecurity services in support of end user communications, enabling command and control.

**CONDITION:** Given a command's mission, operational tasking and associated planning documentation, a communications plan, required equipment staged and ready, an approved certification and accreditation package, documentation, references, and personnel.

**STANDARD:** Within 36 hours, and satisfying the commander's communication requirements.

**EVENT COMPONENTS:**
1. Embark unit.
2. Establish field power, as required.
3. Establish transmission services as required.
4. Establish network services, as required.
5. Establish data services, as required.
6. Establish cybersecurity services, as required.
7. Identify spectrum requirements.
8. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**
COMM-NET-5001 COMM-OPS-5002 COMM-OPS-5003 COMM-TRAN-5001

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power is provided by the 1100 occupational field, Utilities. Refer to NAVMC 3500.12_ Engineers & Utilities T&R Manual for T&R events relating to field power, including 0600 occupational field Marines performing incidental operation of utilities equipment.

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**COMM-SCON-6001:** Provide System Control (SYSCON)

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The SYSCON performs current operations functions for communications operations. It is established to maintain current information on availability and operational readiness and to set priorities and resolve conflicts. The SYSCON receives direction from the Communication Control Center (CCC) and coordinates directly with senior, subordinate, and adjacent SYSCONs as required.

**CONDITION:** Provided a commands mission, a communications plan, and required equipment and personnel.

**STANDARD:** In accordance with the communications plan.

**EVENT COMPONENTS:**

1. Monitor availability/operational readiness of communication systems.
2. Direct circuit/link establishment, restoration, and disestablishment priorities.
3. Coordinate with higher, adjacent, supporting, subordinate communications control centers.
4. Maintain communications systems change management log.

**REFERENCES:**
1. JP 6-0 Joint Communications System
2. MCWP 3-40.3 MAGTF Communications System
3. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0602-CCON-1001 | 0602-DCO-1001 | 0699-MNGT-2001 |
| 0699-MNGT-2002 | COMM-OPS-5001 | COMM-OPS-5002 |
| COMM-OPS-5003 | | |

---

**COMM-SPE-6001:** Provide Systems Planning Engineering

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** Communications planning cells at all echelons conduct a deliberate process to develop a communications plan that supports operational requirements.

**CONDITION:** Provided mission requirements, references, and personnel.

**STANDARD:** Supporting operational requirements.

**EVENT COMPONENTS:**
1. Identify communications requirements.
2. Develop Annex K to the operations order.
3. Develop network services plan.
4. Develop data services plan.
5. Develop transmission services plan.
6. Develop cybersecurity services plan.
7. Identify spectrum requirements.
8. Develop information security plan.
9. Identify COMSEC callout requirements.
10. Develop certification and accreditation package.
11. Submit plan.

**REFERENCES:**
1. CJCSM 3130.03 APEX Adaptive Planning and Execution (APEX) Planning Formats and Guidance
2. JP 6-0 Joint Communications System
3. MCO 3500.27_ Operational Risk Management (ORM)
4. MCWP 3-40.3 MAGTF Communications System
5. Operation/Exercise Order
6. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0602-CCON-1001 | 0602-DCO-1001 | 0602-PLAN-1001 |
| 0602-PLAN-1002 | 0602-PLAN-1003 | 0602-PLAN-1005 |
| 0603-OPS-2001 | 0603-OPS-2002 | 0603-PLAN-2001 |
| 0603-PLAN-2002 | 0603-PLAN-2004 | 0603-PLAN-2005 |
| 0605-PLAN-2001 | 0605-PLAN-2002 | 0605-PLAN-2003 |
| 0620-ENGR-2001 | 0620-ENGR-2002 | 0629-MNGT-2001 |
| 0629-PLAN-2001 | 0629-PLAN-2002 | 0630-ENGR-2001 |
| 0630-ENGR-2002 | 0639-MNGT-2001 | 0639-PLAN-2001 |
| 0640-PLAN-2003 | 0670-ENGR-2001 | 0670-ENGR-2002 |
| 0679-PLAN-2001 | 0689-MNGT-2004 | 0689-MNGT-2005 |
| 0699-MNGT-2001 | 0699-MNGT-2002 | |

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**COMM-CCON-5001:** Perform Communication Control (COMMCON)

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** COMMCON is exercised through the organization, direction, coordination, planning, decentralized execution, and employment of resources to engineer, install, operate, maintain, and defend a secure communications network responsive to operational requirements. COMMCON consists of three functional areas: systems planning and engineering, operational systems control, and technical control, and is exerted through the arrangement of communication elements throughout the chain of command to ensure MAGTF interoperability.

**CONDITION:** Given a command's mission, communications plan, all equipment and personnel.

**STANDARD:** Mitigating risks to communication networks and minimizing service interruptions.

**EVENT COMPONENTS:**
1. Adhere to COMMCON hierarchy.
2. Conduct communications planning
3. Perform SYSCON functions.
4. Perform TECHCON functions.
5. Perform DODIN Operations.
6. Establish a helpdesk, as required.
7. Submit reports, as required.
8. Coordinate network modifications.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. Expeditionary Energy Strategy
3. JP 6-0 Joint Communications System
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

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**COMM-DATA-5001:** Provide data services

**SUPPORTED MET(S):** MCT 5.1.1.4

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon will IOM all data systems IAW the data services plan utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, references, existing network, equipment and personnel.

**STANDARD:** In accordance with applicable technical references, and satisfying the commander's data services requirements.

**EVENT COMPONENTS:**
1. Establish data services.
2. Install data systems.
3. Conduct DODIN operations.
4. Enforce cybersecurity policies.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:** COMM-DATA-4001

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**COMM-NET-5001:** Provide network services

**SUPPORTED MET(S):** MCT 5.1.1.2

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon will employ network resources IAW the network plan utilizing all necessary support assets. Network services are also referred to as Department of Defense information network (DODIN) operations.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, a network plan, an approved certification and accreditation package, documentation, references, an existing digital backbone, and equipment and personnel.

**STANDARD:** Within 72 hours, and satisfying the commander's network services requirements.

**EVENT COMPONENTS:**
1. Plan network services.
2. Establish network architecture.
3. Establish network services.
4. Extend network services.
5. Conduct DODIN operations.
6. Enforce cybersecurity policies.
7. Support help desk.

**REFERENCES:**

1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. DODI 8570.01-M Information Assurance Workforce Improvement Program
3. JP 3-12 Cyberspace Operations
4. JP 6-0 Joint Communications System
5. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:** COMM-NET-4001

---

**COMM-OPS-5001:** Distribute communication services across the MAGTF/MSE

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon/detachment will distribute classified/unclassified transmission, network, data, cybersecurity services in support of end user communication requirements enabling command and control.

**CONDITION:** Given a command's mission, communications plan, equipment and personnel.

**STANDARD:** Enabling command and control.

**EVENT COMPONENTS:**
1. Provide transmission services as required.
2. Provide network services, as required.
3. Provide data services, as required.
4. Provide cybersecurity services, as required.
5. Identify spectrum requirements.
6. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**
COMM-DATA-4001 COMM-NET-4001 COMM-OPS-4001
COMM-OPS-4002

---

**COMM-OPS-5002:** Provide access to DISN services

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 6.3.3

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon/detachment will provide DISN STEP access and IOM all required communication and support assets IOT provide certified and accredited classified/unclassified transmission, network, data, cybersecurity services in support of end user communications, enabling command and control.

**CONDITION:** Given a command's mission, operational tasking and associated planning documentation, a communications plan, required equipment staged and ready, an approved certification and accreditation package, documentation, references, and personnel.

**STANDARD:** Within 36 hours, and satisfying the commander's communication requirements.

**EVENT COMPONENTS:**
1. Embark unit.
2. Establish field power, as required.
3. Establish transmission services as required.
4. Establish network services, as required.
5. Establish data services, as required.
6. Establish cybersecurity services, as required.
7. Identify spectrum requirements.
8. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**
COMM-DATA-4001 COMM-NET-4001 COMM-OPS-4001 COMM-OPS-4002

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power is provided by the 1100 occupational field, Utilities. Refer to NAVMC 3500.12_ Engineers & Utilities T&R Manual for T&R events relating to field power, including 0600 occupational field Marines performing incidental operation of utilities equipment.

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**COMM-OPS-5003:** Establish a communications site

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon/detachment will establish a communication site that is scalable IAW operational requirements.

**CONDITION:** Provided a command's mission, a communications site plan, documents, and required equipment and personnel.

**STANDARD:** Supporting operational requirements and in accordance with the communications plan.

**EVENT COMPONENTS:**
1. Conduct site survey
2. Embark unit.
3. Conduct movement to site.
4. Implement force protection measures.

5. Execute communications site plan.
6. Establish field power.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:** COMM-OPS-4002

---

**COMM-TRAN-5001:** Provide transmission services

**SUPPORTED MET(S):** MCT 5.1.1.5

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon will provide transmission services IAW the transmission plan, utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, a transmission plan, documentation, references, and required equipment and personnel.

**STANDARD:** In accordance with applicable technical references, and satisfying the commander's transmission requirements.

**EVENT COMPONENTS:**
1. Plan transmission services.
2. Establish transmission site.
3. Establish repeater site(s), as required.
4. Establish a watch.
5. Establish retransmission site(s), as required.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCO 3500.27_ Operational Risk Management (ORM)
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

---

**COMM-CCON-4001:** Perform Communication Control (COMMCON)

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** COMMCON is exercised through the organization, direction, coordination, planning, decentralized execution, and employment of resources to install, operate, maintain, and defend a secure communications network responsive to operational requirements. COMMCON consists of three functional areas: systems planning and engineering, operational systems control, and technical control, and is exerted through the arrangement of communication elements throughout the chain of command to ensure MAGTF interoperability.

**CONDITION:** Given a command's mission, communications plan, all equipment and personnel.

**STANDARD:** Mitigating risks to communication networks and minimizing service interruptions.

**EVENT COMPONENTS:**
1. Adhere to COMMCON hierarchy.
2. Conduct communications planning.
3. Perform SYSCON functions.
4. Perform TECHCON functions.
5. Perform DODIN Operations.
6. Establish a helpdesk, as required.
7. Submit reports, as required.
8. Coordinate network modifications.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. Expeditionary Energy Strategy
3. JP 6-0 Joint Communications System
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

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**COMM-DATA-4001:** Provide data services

**SUPPORTED MET(S):** MCT 5.1.1.4

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 3 months

**DESCRIPTION:** The squad/section will IOM all data systems IAW the data services plan utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, references, existing network, equipment, and personnel.

**STANDARD:** In accordance with applicable technical references, and satisfying the commander's data services requirements.

**EVENT COMPONENTS:**
1. Install data systems.
2. Conduct DODIN operations.
3. Implement cybersecurity controls.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System

3. MCWP 3-40.3 MAGTF Communications System
4. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:** COMM-DATA-3001

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**COMM-JTF-4001:** Provide initial communications for a JTF command element

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will IOM all required communication and support assets IOT provide classified/unclassified transmission, network, data, cybersecurity services that support end user information exchange enabling command and control.

**CONDITION:** Given a command's mission, communications plan, and all equipment and personnel.

**STANDARD:** Within 12 hours of arrival at the area of operation, meet the commander's communications requirements.

**EVENT COMPONENTS:**
1. Provide systems control.
2. Establish network services.
3. Establish data services.
4. Establish cybersecurity services.
5. Establish transmission services.
6. Provide technical control.
7. Provide helpdesk support.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**
COMM-CCON-3001 COMM-DATA-3001 COMM-NET-3001
COMM-TRAN-3001

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**COMM-MEU-4001:** Provide communications for a MEU command element

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will IOM all required communication and support assets IOT provide classified/unclassified transmission, network, data, cybersecurity services in support of end user communications enabling command and control.

**CONDITION:** Given a command's mission, operation order, and equipment and personnel.

**STANDARD:** Within 12 hours of arrival at the area of operation, and meeting the commanders communications requirements.

**EVENT COMPONENTS:**
1. Develop communication plan.
2. Establish field power, as required.
3. Provide systems control.
4. Establish network services.
5. Establish data services.
6. Establish cybersecurity services.
7. Establish transmission services.
8. Provide technical control.
9. Provide helpdesk support.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 3-02 Amphibious Operations
3. JP 6-0 Joint Communications System
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**
COMM-DATA-3001 COMM-OPS-3001 COMM-TRAN-3003

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power support is provided by the Utilities occupational field. Refer to NAVMC 3500.12_ Engineer & Utilities T&R Manual for relevant T&R events.

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**COMM-NET-4001:** Provide network services

**SUPPORTED MET(S):**
MCT 5.1.1.2 MCT 5.1.1.5

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will employ network resources IAW the network plan utilizing all necessary support assets. Network services are also referred to as Department of Defense information network (DODIN) operations.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, a network plan, an approved certification and accreditation package, documentation, references, an existing digital backbone, and equipment and personnel.

**STANDARD:** Within 72 hours, and satisfying the commander's network services requirements.

**EVENT COMPONENTS:**
1. Plan network services.
2. Establish network architecture.

3. Establish network services.
4. Extend network services.
5. Conduct DODIN operations.
6. Enforce cybersecurity policies.
7. Support help desk.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. DODI 8570.01-M Information Assurance Workforce Improvement Program
3. JP 3-12 Cyberspace Operations
4. JP 6-0 Joint Communications System
5. MCWP 3-40.3 MAGTF Communications System
6. Unit SOP Unit's Standing Operating Procedures

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**COMM-OPS-4001:** Provide access to DISN services

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 6.3.3

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will provide DISN STEP access and IOM all required communication and support assets IOT provide certified and accredited classified/unclassified transmission, network, data, cybersecurity services in support of end user communications, enabling command and control.

**CONDITION:** Given a command's mission, operational tasking and associated planning documentation, a communications plan, required equipment staged and ready, an approved certification and accreditation package, documentation, references, and personnel.

**STANDARD:** Within 36 hours, and satisfying the commander's communication requirements.

**EVENT COMPONENTS:**
1. Embark unit.
2. Establish field power, as required.
3. Establish technical control.
4. Establish transmission services as required.
5. Establish network services, as required.
6. Establish data services, as required.
7. Establish cybersecurity services, as required.
8. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**

| | | |
|---|---|---|
| COMM-DATA-3001 | COMM-NET-3001 | COMM-NET-3002 |
| COMM-OPS-3001 | COMM-OPS-3002 | COMM-TRAN-3001 |
| COMM-TRAN-3002 | COMM-TRAN-3003 | |

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power is provided by the 1100 occupational field, Utilities. Refer to NAVMC 3500.12_ Engineers & Utilities T&R Manual for T&R events relating to field power, including 0600 occupational field Marines performing incidental operation of utilities equipment.

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**COMM-OPS-4002:** Establish a communications site

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 5.1.2.6

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The squad/section will establish a communication site that is scalable IAW operation requirements.

**CONDITION:** Provided a command's mission, a communications site plan, documents, and required equipment and personnel.

**STANDARD:** Supporting operational requirements and in accordance with the communications plan.

**EVENT COMPONENTS:**
1. Conduct site survey.
2. Embark unit.
3. Conduct movement to site.
4. Implement force protection measures.
5. Execute communications site plan.
6. Establish field power.

**REFERENCES:**
1. CJCSM 6231.01_ Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**

| | | |
|---|---|---|
| COMM-DATA-3001 | COMM-NET-3001 | COMM-NET-3002 |
| COMM-TRAN-3001 | COMM-TRAN-3002 | COMM-TRAN-3003 |

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**COMM-CCON-3001:** Perform Communication Control (COMMCON)

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** COMCON is exercised through the organization, direction, coordination, planning, decentralized execution, and employment of resources to engineer, install, operate, maintain, and defend a secure communications network responsive to operational requirements. COMMCON consists of three functional areas: systems planning and engineering, operational systems control, and technical control, and is exerted through the arrangement of communication elements throughout the chain of command to ensure MAGTF interoperability.

**CONDITION:** Given a command's mission, communications plan, all equipment and personnel.

**STANDARD:** Mitigating risks to communication networks and minimizing service interruptions.

**EVENT COMPONENTS:**
1. Establish a COMMCON hierarchy.
2. Perform SPE.
3. Establish a SYSCON.
4. Establish a TECHCON.
5. Establish defensive cyberspace operations capabilities.
6. Establish a helpdesk, as required.
7. Submit reports, as required.
8. Coordinate network modifications.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. Expeditionary Energy Strategy
3. JP 6-0 Joint Communications System
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

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**COMM-DATA-3001:** Provide data services

**SUPPORTED MET(S):** MCT 5.1.1.4

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 3 months

**DESCRIPTION:** The team/crew will IOM all data systems IAW the data services plan utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, a data services plan, an approved certification and accreditation package, documentation, references, an existing digital backbone, and equipment and personnel.

**STANDARD:** In accordance with applicable technical references, and satisfying the commander's data services requirements.

**EVENT COMPONENTS:**
1. Plan data services.
2. Validate site plan.
3. Validate HVAC requirements.
4. Validate disaster recovery plan
5. Establish data services architecture.

6. Establish data services.
7. Conduct DODIN operations.
8. Support help desk.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0630-ENGR-2001 | 0630-ENGR-2002 | 0631-INST-1001 |
| 0631-MNGT-2001 | 0631-OPER-1001 | 0633-INST-2001 |
| 0633-INST-2002 | 0633-INST-2003 | 0633-INST-2004 |
| 0633-MANT-2001 | 0633-MNGT-2001 | |

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**COMM-NET-3001:** Provide network services

**SUPPORTED MET(S):**
MCT 5.1.1.2 MCT 5.1.1.5

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will employ resources IAW the network plan utilizing all necessary support assets. Network services are also referred to as Department of Defense information network (DODIN) operations.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, a network plan, an approved certification and accreditation package, documentation, references, an existing digital backbone, and equipment and personnel.

**STANDARD:** Within 72 hours, and satisfying the commander's network services requirements.

**EVENT COMPONENTS:**
1. Plan network services.
2. Validate the site plan.
3. Validate power stability/reliability.
4. Validate disaster recovery plan.
5. Establish network architecture.
6. Establish network services.
7. Extend network services.
8. Verify and maintain link quality.
9. Conduct DODIN operations.
10. Support help desk.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. DODI 8570.01-M Information Assurance Workforce Improvement Program
3. JP 3-12 Cyberspace Operations
4. JP 6-0 Joint Communications System
5. MCWP 3-40.3 MAGTF Communications System
6. Unit SOP Unit's Standing Operating Procedures

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**COMM-NET-3002:** Provide long haul cabling transport

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 5.1.1.2 MCT 5.1.1.4

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will provide long haul cable transport to interconnect communications devices to support the communications plan.

**CONDITION:** Provided tools, ditching equipment, materials, and reference.

**STANDARD:** Establishing connectivity between end points and to a depth required by the cabling plan.

**EVENT COMPONENTS:**
1. Install aerial cabling.
2. Install direct buried cabling.
3. Conduct cable management.
4. Install commercial cabling.
5. Establish outside plant services.
6. Install fiber-optic cabling.

**REFERENCES:**
1. FM 11-372-2 Outside Plant Cable Placement
2. MCO 3500.27_ Operational Risk Management (ORM)

**CHAINED EVENTS:** 0633-INST-2002

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:**
1. trenching equipment
2. cable for burying
3. labeling equipment
4. PPE
5. equipment lifting capability

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**COMM-OPS-3001:** Provide access to DISN services

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 6.3.3

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will provide DISN STEP access and IOM all required communication and support assets IOT provide certified and accredited classified/unclassified transmission, network, data, cybersecurity services in support of end user communications, enabling command and control.

**CONDITION:** Given a command's mission, operational tasking and associated planning documentation, a communications plan, required equipment staged and ready, an approved certification and accreditation package, references, and personnel.

**STANDARD:** Within 36 hours, and satisfying the commander's communication requirements.

**EVENT COMPONENTS:**
1. Embark unit.
2. Establish field power, as required.
3. Establish technical control.
4. Establish transmission services as required.
5. Establish network services, as required.
6. Establish data services, as required.
7. Establish cybersecurity services, as required.
8. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**

| | | |
|---|---|---|
| COMM-DATA-3001 | COMM-NET-3001 | COMM-NET-3002 |
| COMM-TRAN-3001 | COMM-TRAN-3002 | COMM-TRAN-3003 |

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power is provided by the 1100 occupational field, Utilities. Refer to NAVMC 3500.12_ Engineers & Utilities T&R Manual for T&R events relating to field power, including 0600 occupational field Marines performing incidental operation of utilities equipment.

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**COMM-OPS-3002:** Establish a communications site

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The team/crew will establish a communication site that is scalable IAW operational requirements.

**CONDITION:** Provided a command's mission, a communications site plan, documents, and required equipment and personnel.

**STANDARD:** Supporting operational requirements and in accordance with the communications plan.

**EVENT COMPONENTS:**
1. Conduct site survey.
2. Embark unit.
3. Conduct movement to site.
4. Implement force protection measures.

5. Establish field power
6. Execute communications site plan.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**

| | | |
|---|---|---|
| COMM-DATA-3001 | COMM-TRAN-3001 | COMM-TRAN-3002 |
| COMM-TRAN-3003 | | |

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**COMM-TRAN-3001:** Provide single channel radio services

**SUPPORTED MET(S):** MCT 5.1.1.1

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will provide single channel radio services IAW the transmission plan utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, transmission plan, spectrum plan, references, equipment and personnel

**STANDARD:** Within 1 hour, and satisfying the commander's single channel radio requirements.

**EVENT COMPONENTS:**
1. Validate the site plan.
2. Establish single channel radio site.
3. Install single channel radio services.
4. Establish antenna hill, if required.
5. Establish retransmission site, if required.
6. Extend radio services.
7. Conduct radio checks.
8. Establish a watch.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCO 3500.27_ Operational Risk Management (ORM)
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0620-ENGR-2001 | 0620-ENGR-2002 | 0621-MNGT-2001 |
| 0621-OPER-1002 | 0621-OPER-1003 | 0621-OPER-1004 |
| 0621-OPER-1005 | 0621-OPER-2002 | 0621-OPER-2003 |
| 0621-PLAN-2001 | 0621-PLAN-2002 | 0627-GBS-2001 |

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**COMM-TRAN-3002:** Provide satellite communications services

**SUPPORTED MET(S):** MCT 5.1.1.5

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 3 months

**DESCRIPTION:** The team will provide satellite services IAW the transmission plan utilizing all necessary support assets. Team members will ensure site survey guidelines and SAA parameters are enforced.

**CONDITION:** Provided a command's mission, transmission plan, satellite access authorization (SAA), cut sheets, equipment and personnel.

**STANDARD:** Within 12 hours of arrival at the designated site, with the appropriate signal quality level that supports data exchange per equipment technical references, and ensuring site survey guidelines are followed.

**EVENT COMPONENTS:**
1. Validate the site plan.
2. Coordinate with service provider.
3. Install satellite terminal.
4. Configure satellite terminal.
5. Establish link(s).
6. Verify and maintain link quality.
7. Establish a watch.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System
4. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0620-ENGR-2001 | 0620-ENGR-2002 | 0627-OPER-1001 |
| 0627-PLAN-2002 | 0629-MNGT-2001 | 0629-PLAN-2001 |
| 0629-PLAN-2002 | | |

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**COMM-TRAN-3003:** Provide multichannel radio services

**SUPPORTED MET(S):** MCT 5.1.1.5

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 3 months

**DESCRIPTION:** The section will provide multichannel radio network IAW the transmission plan, utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, transmission plan, references, equipment and personnel.

**STANDARD:** In accordance with applicable technical references, and satisfying the commander's multichannel radio requirements.

**EVENT COMPONENTS:**
1. Plan multichannel radio network.
2. Establish multichannel radio site.
3. Verify and maintain link quality.

4. Perform loopbacks, as required.
5. Establish repeater site(s), as required.
6. Establish a watch.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCO 3500.27_ Operational Risk Management (ORM)
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0620-ENGR-2001 | 0620-ENGR-2002 | 0623-OPER-1001 |
| 0623-PLAN-2001 | 0629-MNGT-2001 | 0629-PLAN-2001 |
| 0629-PLAN-2002 | | |

**3004. 6000-LEVEL EVENTS**

**COMM-CCON-6001:** Perform Communication Control (COMMCON)

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** COMMCON is exercised through the organization, direction, coordination, planning, decentralized execution, and employment of resources to engineer, install, operate, maintain, and defend a secure communications network responsive to operational requirements. COMMCON consists of three functional areas; systems planning and engineering, operational systems control, and technical control, and is exerted through the arrangement of communication elements throughout the chain of command to ensure MAGTF interoperability.

**CONDITION:** Given a command's mission, communications plan, all equipment and personnel.

**STANDARD:** Mitigating risks to communication networks and minimizing service interruptions.

**EVENT COMPONENTS:**
1. Establish a COMMCON hierarchy.
2. Perform SPE.
3. Establish a SYSCON.
4. Establish a TECHCON.
5. Establish defensive cyberspace operations capabilities.
6. Establish a helpdesk, as required.
7. Submit reports, as required.
8. Coordinate network modifications.

**REFERENCES:**
1. JP 6-0 Joint Communications System
2. MCWP 3-40.3 MAGTF Communications System

**COMM-OPS-6001:** Distribute communication services across the MAGTF/MSE

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The company/detachment will distribute classified/unclassified transmission, network, data, cyber-security services in support of end user communication requirements enabling command and control.

**CONDITION:** Given a command's mission, communications plan, equipment and personnel.

**STANDARD:** Enabling command and control.

**EVENT COMPONENTS:**
1. Establish transmission services as required.
2. Establish network services, as required.
3. Establish cybersecurity services, as required.
4. Establish data services, as required.
5. Identify spectrum requirements.
6. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**
COMM-DATA-5001 COMM-NET-5001 COMM-TRAN-5001

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**COMM-OPS-6002:** Provide access to DISN services

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 6.3.3

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The company/detachment will provide DISN STEP access and IOM all required communication and support assets IOT provide certified and accredited classified/unclassified transmission, network, data, cybersecurity services in support of end user communications, enabling command and control.

**CONDITION:** Given a command's mission, operational tasking and associated planning documentation, a communications plan, required equipment staged and ready, an approved certification and accreditation package, documentation, references, and personnel.

**STANDARD:** Within 36 hours, and satisfying the commander's communication requirements.

**EVENT COMPONENTS:**
1. Embark unit.
2. Establish field power, as required.
3. Establish transmission services as required.

4. Establish network services, as required.
5. Establish data services, as required.
6. Establish cybersecurity services, as required.
7. Identify spectrum requirements.
8. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**
COMM-NET-5001 COMM-OPS-5002 COMM-OPS-5003 COMM-TRAN-5001

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power is provided by the 1100 occupational field, Utilities. Refer to NAVMC 3500.12_ Engineers & Utilities T&R Manual for T&R events relating to field power, including 0600 occupational field Marines performing incidental operation of utilities equipment.

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**COMM-SCON-6001:** Provide System Control (SYSCON)

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The SYSCON performs current operations functions for communications operations. It is established to maintain current information on availability and operational readiness and to set priorities and resolve conflicts. The SYSCON receives direction from the Communication Control Center (CCC) and coordinates directly with senior, subordinate, and adjacent SYSCONs as required.

**CONDITION:** Provided a commands mission, a communications plan, and required equipment and personnel.

**STANDARD:** In accordance with the communications plan.

**EVENT COMPONENTS:**
1. Monitor availability/operational readiness of communication systems.
2. Direct circuit/link establishment, restoration, and disestablishment priorities.
3. Coordinate with higher, adjacent, supporting, subordinate communications control centers.
4. Maintain communications systems change management log.

**REFERENCES:**
1. JP 6-0 Joint Communications System
2. MCWP 3-40.3 MAGTF Communications System
3. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0602-CCON-1001 | 0602-DCO-1001 | 0699-MNGT-2001 |
| 0699-MNGT-2002 | COMM-OPS-5001 | COMM-OPS-5002 |
| COMM-OPS-5003 | | |

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**COMM-SPE-6001:** Provide Systems Planning Engineering

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** Communications planning cells at all echelons conduct a deliberate process to develop a communications plan that supports operational requirements.

**CONDITION:** Provided mission requirements, references, and personnel.

**STANDARD:** Supporting operational requirements.

**EVENT COMPONENTS:**
1. Identify communications requirements.
2. Develop Annex K to the operations order.
3. Develop network services plan.
4. Develop data services plan.
5. Develop transmission services plan.
6. Develop cybersecurity services plan.
7. Identify spectrum requirements.
8. Develop information security plan.
9. Identify COMSEC callout requirements.
10. Develop certification and accreditation package.
11. Submit plan.

**REFERENCES:**
1. CJCSM 3130.03 APEX Adaptive Planning and Execution (APEX) Planning Formats and Guidance
2. JP 6-0 Joint Communications System
3. MCO 3500.27_ Operational Risk Management (ORM)
4. MCWP 3-40.3 MAGTF Communications System
5. Operation/Exercise Order
6. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0602-CCON-1001 | 0602-DCO-1001 | 0602-PLAN-1001 |
| 0602-PLAN-1002 | 0602-PLAN-1003 | 0602-PLAN-1005 |
| 0603-OPS-2001 | 0603-OPS-2002 | 0603-PLAN-2001 |
| 0603-PLAN-2002 | 0603-PLAN-2004 | 0603-PLAN-2005 |
| 0605-PLAN-2001 | 0605-PLAN-2002 | 0605-PLAN-2003 |
| 0620-ENGR-2001 | 0620-ENGR-2002 | 0629-MNGT-2001 |
| 0629-PLAN-2001 | 0629-PLAN-2002 | 0630-ENGR-2001 |
| 0630-ENGR-2002 | 0639-MNGT-2001 | 0639-PLAN-2001 |
| 0640-PLAN-2003 | 0670-ENGR-2001 | 0670-ENGR-2002 |
| 0679-PLAN-2001 | 0689-MNGT-2004 | 0689-MNGT-2005 |
| 0699-MNGT-2001 | 0699-MNGT-2002 | |

**3005. 5000-LEVEL EVENTS**

**COMM-CCON-5001:** Perform Communication Control (COMMCON)

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** COMMCON is exercised through the organization, direction, coordination, planning, decentralized execution, and employment of resources to engineer, install, operate, maintain, and defend a secure communications network responsive to operational requirements. COMMCON consists of three functional areas: systems planning and engineering, operational systems control, and technical control, and is exerted through the arrangement of communication elements throughout the chain of command to ensure MAGTF interoperability.

**CONDITION:** Given a command's mission, communications plan, all equipment and personnel.

**STANDARD:** Mitigating risks to communication networks and minimizing service interruptions.

**EVENT COMPONENTS:**
1. Adhere to COMMCON hierarchy.
2. Conduct communications planning
3. Perform SYSCON functions.
4. Perform TECHCON functions.
5. Perform DODIN Operations.
6. Establish a helpdesk, as required.
7. Submit reports, as required.
8. Coordinate network modifications.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. Expeditionary Energy Strategy
3. JP 6-0 Joint Communications System
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

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**COMM-DATA-5001:** Provide data services

**SUPPORTED MET(S):** MCT 5.1.1.4

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon will IOM all data systems IAW the data services plan utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, references, existing network, equipment and personnel.

**STANDARD:** In accordance with applicable technical references, and satisfying the commander's data services requirements.

**EVENT COMPONENTS:**
1. Establish data services.
2. Install data systems.
3. Conduct DODIN operations.
4. Enforce cybersecurity policies.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:** COMM-DATA-4001

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**COMM-NET-5001:** Provide network services

**SUPPORTED MET(S):** MCT 5.1.1.2

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon will employ network resources IAW the network plan utilizing all necessary support assets. Network services are also referred to as Department of Defense information network (DODIN) operations.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, a network plan, an approved certification and accreditation package, documentation, references, an existing digital backbone, and equipment and personnel.

**STANDARD:** Within 72 hours, and satisfying the commander's network services requirements.

**EVENT COMPONENTS:**
1. Plan network services.
2. Establish network architecture.
3. Establish network services.
4. Extend network services.
5. Conduct DODIN operations.
6. Enforce cybersecurity policies.
7. Support help desk.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. DODI 8570.01-M Information Assurance Workforce Improvement Program
3. JP 3-12 Cyberspace Operations
4. JP 6-0 Joint Communications System
5. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:** COMM-NET-4001

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**COMM-OPS-5001:** Distribute communication services across the MAGTF/MSE

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon/detachment will distribute classified/unclassified transmission, network, data, cybersecurity services in support of end user communication requirements enabling command and control.

**CONDITION:** Given a command's mission, communications plan, equipment and personnel.

**STANDARD:** Enabling command and control.

**EVENT COMPONENTS:**
1. Provide transmission services as required.
2. Provide network services, as required.
3. Provide data services, as required.
4. Provide cybersecurity services, as required.
5. Identify spectrum requirements.
6. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**
COMM-DATA-4001 COMM-NET-4001 COMM-OPS-4001
COMM-OPS-4002

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**COMM-OPS-5002:** Provide access to DISN services

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 6.3.3

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon/detachment will provide DISN STEP access and IOM all required communication and support assets IOT provide certified and accredited classified/unclassified transmission, network, data, cybersecurity services in support of end user communications, enabling command and control.

**CONDITION:** Given a command's mission, operational tasking and associated planning documentation, a communications plan, required equipment staged and ready, an approved certification and accreditation package, documentation, references, and personnel.

**STANDARD:** Within 36 hours, and satisfying the commander's communication requirements.

**EVENT COMPONENTS:**
1. Embark unit.
2. Establish field power, as required.

3. Establish transmission services as required.
4. Establish network services, as required.
5. Establish data services, as required.
6. Establish cybersecurity services, as required.
7. Identify spectrum requirements.
8. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**
COMM-DATA-4001 COMM-NET-4001 COMM-OPS-4001
COMM-OPS-4002

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power is provided by the 1100 occupational field, Utilities. Refer to NAVMC 3500.12_ Engineers & Utilities T&R Manual for T&R events relating to field power, including 0600 occupational field Marines performing incidental operation of utilities equipment.

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**COMM-OPS-5003:** Establish a communications site

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon/detachment will establish a communication site that is scalable IAW operational requirements.

**CONDITION:** Provided a command's mission, a communications site plan, documents, and required equipment and personnel.

**STANDARD:** Supporting operational requirements and in accordance with the communications plan.

**EVENT COMPONENTS:**
1. Conduct site survey
2. Embark unit.
3. Conduct movement to site.
4. Implement force protection measures.
5. Execute communications site plan.
6. Establish field power.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:** COMM-OPS-4002

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**COMM-TRAN-5001:** Provide transmission services

**SUPPORTED MET(S):** MCT 5.1.1.5

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The platoon will provide transmission services IAW the transmission plan, utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, a transmission plan, documentation, references, and required equipment and personnel.

**STANDARD:** In accordance with applicable technical references, and satisfying the commander's transmission requirements.

**EVENT COMPONENTS:**
1. Plan transmission services.
2. Establish transmission site.
3. Establish repeater site(s), as required.
4. Establish a watch.
5. Establish retransmission site(s), as required.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCO 3500.27_ Operational Risk Management (ORM)
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

**3006. 4000-LEVEL EVENTS**

**COMM-CCON-4001:** Perform Communication Control (COMMCON)

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** COMMCON is exercised through the organization, direction, coordination, planning, decentralized execution, and employment of resources to install, operate, maintain, and defend a secure communications network responsive to operational requirements. COMMCON consists of three functional areas: systems planning and engineering, operational systems control, and technical control, and is exerted through the arrangement of communication elements throughout the chain of command to ensure MAGTF interoperability.

**CONDITION:** Given a command's mission, communications plan, all equipment and personnel.

**STANDARD:** Mitigating risks to communication networks and minimizing service interruptions.

**EVENT COMPONENTS:**
1. Adhere to COMMCON hierarchy.
2. Conduct communications planning.

3. Perform SYSCON functions.
4. Perform TECHCON functions.
5. Perform DODIN Operations.
6. Establish a helpdesk, as required.
7. Submit reports, as required.
8. Coordinate network modifications.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. Expeditionary Energy Strategy
3. JP 6-0 Joint Communications System
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

---

**COMM-DATA-4001:** Provide data services

**SUPPORTED MET(S):** MCT 5.1.1.4

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 3 months

**DESCRIPTION:** The squad/section will IOM all data systems IAW the data services plan utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, references, existing network, equipment, and personnel.

**STANDARD:** In accordance with applicable technical references, and satisfying the commander's data services requirements.

**EVENT COMPONENTS:**
1. Install data systems.
2. Conduct DODIN operations.
3. Implement cybersecurity controls.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System
4. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:** COMM-DATA-3001

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**COMM-JTF-4001:** Provide initial communications for a JTF command element

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will IOM all required communication and support assets IOT provide classified/unclassified transmission, network, data, cybersecurity services that support end user information exchange enabling command and control.

**CONDITION:** Given a command's mission, communications plan, and all equipment and personnel.

**STANDARD:** Within 12 hours of arrival at the area of operation, meet the commander's communications requirements.

**EVENT COMPONENTS:**
1. Provide systems control.
2. Establish network services.
3. Establish data services.
4. Establish cybersecurity services.
5. Establish transmission services.
6. Provide technical control.
7. Provide helpdesk support.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**
COMM-CCON-3001 COMM-DATA-3001 COMM-NET-3001 COMM-TRAN-3001

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**COMM-MEU-4001:** Provide communications for a MEU command element

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will IOM all required communication and support assets IOT provide classified/unclassified transmission, network, data, cybersecurity services in support of end user communications enabling command and control.

**CONDITION:** Given a command's mission, operation order, and equipment and personnel.

**STANDARD:** Within 12 hours of arrival at the area of operation, and meeting the commanders communications requirements.

**EVENT COMPONENTS:**
1. Develop communication plan.
2. Establish field power, as required.
3. Provide systems control.
4. Establish network services.
5. Establish data services.
6. Establish cybersecurity services.
7. Establish transmission services.
8. Provide technical control.

9. Provide helpdesk support.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 3-02 Amphibious Operations
3. JP 6-0 Joint Communications System
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**
COMM-DATA-3001 COMM-OPS-3001 COMM-TRAN-3003

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power support is provided by the Utilities occupational field. Refer to NAVMC 3500.12_ Engineer & Utilities T&R Manual for relevant T&R events.

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**COMM-NET-4001:** Provide network services

**SUPPORTED MET(S):**
MCT 5.1.1.2 MCT 5.1.1.5

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will employ network resources IAW the network plan utilizing all necessary support assets. Network services are also referred to as Department of Defense information network (DODIN) operations.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, a network plan, an approved certification and accreditation package, documentation, references, an existing digital backbone, and equipment and personnel.

**STANDARD:** Within 72 hours, and satisfying the commander's network services requirements.

**EVENT COMPONENTS:**
1. Plan network services.
2. Establish network architecture.
3. Establish network services.
4. Extend network services.
5. Conduct DODIN operations.
6. Enforce cybersecurity policies.
7. Support help desk.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. DODI 8570.01-M Information Assurance Workforce Improvement Program
3. JP 3-12 Cyberspace Operations
4. JP 6-0 Joint Communications System
5. MCWP 3-40.3 MAGTF Communications System
6. Unit SOP Unit's Standing Operating Procedures

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**COMM-OPS-4001:** Provide access to DISN services

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 6.3.3

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will provide DISN STEP access and IOM all required communication and support assets IOT provide certified and accredited classified/unclassified transmission, network, data, cybersecurity services in support of end user communications, enabling command and control.

**CONDITION:** Given a command's mission, operational tasking and associated planning documentation, a communications plan, required equipment staged and ready, an approved certification and accreditation package, documentation, references, and personnel.

**STANDARD:** Within 36 hours, and satisfying the commander's communication requirements.

**EVENT COMPONENTS:**
1. Embark unit.
2. Establish field power, as required.
3. Establish technical control.
4. Establish transmission services as required.
5. Establish network services, as required.
6. Establish data services, as required.
7. Establish cybersecurity services, as required.
8. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**

| | | |
|---|---|---|
| COMM-DATA-3001 | COMM-NET-3001 | COMM-NET-3002 |
| COMM-OPS-3001 | COMM-OPS-3002 | COMM-TRAN-3001 |
| COMM-TRAN-3002 | COMM-TRAN-3003 | |

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power is provided by the 1100 occupational field, Utilities. Refer to NAVMC 3500.12_ Engineers & Utilities T&R Manual for T&R events relating to field power, including 0600 occupational field Marines performing incidental operation of utilities equipment.

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**COMM-OPS-4002:** Establish a communications site

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 5.1.2.6

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The squad/section will establish a communication site that is scalable IAW operation requirements.

**CONDITION:** Provided a command's mission, a communications site plan, documents, and required equipment and personnel.

**STANDARD:** Supporting operational requirements and in accordance with the communications plan.

**EVENT COMPONENTS:**
1. Conduct site survey.
2. Embark unit.
3. Conduct movement to site.
4. Implement force protection measures.
5. Execute communications site plan.
6. Establish field power.

**REFERENCES:**
1. CJCSM 6231.01_ Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**

| | | |
|---|---|---|
| COMM-DATA-3001 | COMM-NET-3001 | COMM-NET-3002 |
| COMM-TRAN-3001 | COMM-TRAN-3002 | COMM-TRAN-3003 |

**3007. 3000-LEVEL EVENTS**

**COMM-CCON-3001:** Perform Communication Control (COMMCON)

**SUPPORTED MET(S):** MCT 5.1.2.6

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** COMCON is exercised through the organization, direction, coordination, planning, decentralized execution, and employment of resources to engineer, install, operate, maintain, and defend a secure communications network responsive to operational requirements. COMMCON consists of three functional areas: systems planning and engineering, operational systems control, and technical control, and is exerted through the arrangement of communication elements throughout the chain of command to ensure MAGTF interoperability.

**CONDITION:** Given a command's mission, communications plan, all equipment and personnel.

**STANDARD:** Mitigating risks to communication networks and minimizing service interruptions.

**EVENT COMPONENTS:**
1. Establish a COMMCON hierarchy.
2. Perform SPE.
3. Establish a SYSCON.

4. Establish a TECHCON.
5. Establish defensive cyberspace operations capabilities.
6. Establish a helpdesk, as required.
7. Submit reports, as required.
8. Coordinate network modifications.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. Expeditionary Energy Strategy
3. JP 6-0 Joint Communications System
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

---

**COMM-DATA-3001:** Provide data services

**SUPPORTED MET(S):** MCT 5.1.1.4

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 3 months

**DESCRIPTION:** The team/crew will IOM all data systems IAW the data services plan utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, a data services plan, an approved certification and accreditation package, documentation, references, an existing digital backbone, and equipment and personnel.

**STANDARD:** In accordance with applicable technical references, and satisfying the commander's data services requirements.

**EVENT COMPONENTS:**
1. Plan data services.
2. Validate site plan.
3. Validate HVAC requirements.
4. Validate disaster recovery plan
5. Establish data services architecture.
6. Establish data services.
7. Conduct DODIN operations.
8. Support help desk.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0630-ENGR-2001 | 0630-ENGR-2002 | 0631-INST-1001 |
| 0631-MNGT-2001 | 0631-OPER-1001 | 0633-INST-2001 |
| 0633-INST-2002 | 0633-INST-2003 | 0633-INST-2004 |
| 0633-MANT-2001 | 0633-MNGT-2001 | |

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**COMM-NET-3001:** Provide network services

**SUPPORTED MET(S):**
MCT 5.1.1.2 MCT 5.1.1.5

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will employ resources IAW the network plan utilizing all necessary support assets. Network services are also referred to as Department of Defense information network (DODIN) operations.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, a network plan, an approved certification and accreditation package, documentation, references, an existing digital backbone, and equipment and personnel.

**STANDARD:** Within 72 hours, and satisfying the commander's network services requirements.

**EVENT COMPONENTS:**
1. Plan network services.
2. Validate the site plan.
3. Validate power stability/reliability.
4. Validate disaster recovery plan.
5. Establish network architecture.
6. Establish network services.
7. Extend network services.
8. Verify and maintain link quality.
9. Conduct DODIN operations.
10. Support help desk.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. DODI 8570.01-M Information Assurance Workforce Improvement Program
3. JP 3-12 Cyberspace Operations
4. JP 6-0 Joint Communications System
5. MCWP 3-40.3 MAGTF Communications System
6. Unit SOP Unit's Standing Operating Procedures

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**COMM-NET-3002:** Provide long haul cabling transport

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 5.1.1.2 MCT 5.1.1.4

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will provide long haul cable transport to interconnect communications devices to support the communications plan.

**CONDITION:** Provided tools, ditching equipment, materials, and reference.

**STANDARD:** Establishing connectivity between end points and to a depth required by the cabling plan.

**EVENT COMPONENTS:**
1. Install aerial cabling.
2. Install direct buried cabling.

3. Conduct cable management.
4. Install commercial cabling.
5. Establish outside plant services.
6. Install fiber-optic cabling.

**REFERENCES:**
1. FM 11-372-2 Outside Plant Cable Placement
2. MCO 3500.27_ Operational Risk Management (ORM)

**CHAINED EVENTS:** 0633-INST-2002

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:**
1. trenching equipment
2. cable for burying
3. labeling equipment
4. PPE
5. equipment lifting capability

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**COMM-OPS-3001:** Provide access to DISN services

**SUPPORTED MET(S):**
MCT 5.1.1 MCT 6.3.3

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will provide DISN STEP access and IOM all required communication and support assets IOT provide certified and accredited classified/unclassified transmission, network, data, cybersecurity services in support of end user communications, enabling command and control.

**CONDITION:** Given a command's mission, operational tasking and associated planning documentation, a communications plan, required equipment staged and ready, an approved certification and accreditation package, references, and personnel.

**STANDARD:** Within 36 hours, and satisfying the commander's communication requirements.

**EVENT COMPONENTS:**
1. Embark unit.
2. Establish field power, as required.
3. Establish technical control.
4. Establish transmission services as required.
5. Establish network services, as required.
6. Establish data services, as required.
7. Establish cybersecurity services, as required.
8. Develop information security services.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**

| | | |
|---|---|---|
| COMM-DATA-3001 | COMM-NET-3001 | COMM-NET-3002 |
| COMM-TRAN-3001 | COMM-TRAN-3002 | COMM-TRAN-3003 |

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** Field power is provided by the 1100 occupational field, Utilities. Refer to NAVMC 3500.12_ Engineers & Utilities T&R Manual for T&R events relating to field power, including 0600 occupational field Marines performing incidental operation of utilities equipment.

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**COMM-OPS-3002:** Establish a communications site

**SUPPORTED MET(S):** MCT 5.1.1

**EVALUATION-CODED:** YES **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The team/crew will establish a communication site that is scalable IAW operational requirements.

**CONDITION:** Provided a command's mission, a communications site plan, documents, and required equipment and personnel.

**STANDARD:** Supporting operational requirements and in accordance with the communications plan.

**EVENT COMPONENTS:**
1. Conduct site survey.
2. Embark unit.
3. Conduct movement to site.
4. Implement force protection measures.
5. Establish field power
6. Execute communications site plan.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System

**CHAINED EVENTS:**

| | | |
|---|---|---|
| COMM-DATA-3001 | COMM-TRAN-3001 | COMM-TRAN-3002 |
| COMM-TRAN-3003 | | |

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**COMM-TRAN-3001:** Provide single channel radio services

**SUPPORTED MET(S):** MCT 5.1.1.1

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** The section will provide single channel radio services IAW the transmission plan utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, transmission plan, spectrum plan, references, equipment and personnel

**STANDARD:** Within 1 hour, and satisfying the commander's single channel radio requirements.

**EVENT COMPONENTS:**
1. Validate the site plan.
2. Establish single channel radio site.
3. Install single channel radio services.
4. Establish antenna hill, if required.
5. Establish retransmission site, if required.
6. Extend radio services.
7. Conduct radio checks.
8. Establish a watch.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCO 3500.27_ Operational Risk Management (ORM)
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0620-ENGR-2001 | 0620-ENGR-2002 | 0621-MNGT-2001 |
| 0621-OPER-1002 | 0621-OPER-1003 | 0621-OPER-1004 |
| 0621-OPER-1005 | 0621-OPER-2002 | 0621-OPER-2003 |
| 0621-PLAN-2001 | 0621-PLAN-2002 | 0627-GBS-2001 |

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**COMM-TRAN-3002:** Provide satellite communications services

**SUPPORTED MET(S):** MCT 5.1.1.5

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 3 months

**DESCRIPTION:** The team will provide satellite services IAW the transmission plan utilizing all necessary support assets. Team members will ensure site survey guidelines and SAA parameters are enforced.

**CONDITION:** Provided a command's mission, transmission plan, satellite access authorization (SAA), cut sheets, equipment and personnel.

**STANDARD:** Within 12 hours of arrival at the designated site, with the appropriate signal quality level that supports data exchange per equipment technical references, and ensuring site survey guidelines are followed.

**EVENT COMPONENTS:**
1. Validate the site plan.
2. Coordinate with service provider.
3. Install satellite terminal.
4. Configure satellite terminal.
5. Establish link(s).
6. Verify and maintain link quality.
7. Establish a watch.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCWP 3-40.3 MAGTF Communications System
4. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0620-ENGR-2001 | 0620-ENGR-2002 | 0627-OPER-1001 |
| 0627-PLAN-2002 | 0629-MNGT-2001 | 0629-PLAN-2001 |
| 0629-PLAN-2002 | | |

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**COMM-TRAN-3003:** Provide multichannel radio services

**SUPPORTED MET(S):** MCT 5.1.1.5

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 3 months

**DESCRIPTION:** The section will provide multichannel radio network IAW the transmission plan, utilizing all necessary support assets.

**CONDITION:** Provided a command's mission, operational tasking and associated planning documentation, transmission plan, references, equipment and personnel.

**STANDARD:** In accordance with applicable technical references, and satisfying the commander's multichannel radio requirements.

**EVENT COMPONENTS:**
1. Plan multichannel radio network.
2. Establish multichannel radio site.
3. Verify and maintain link quality.
4. Perform loopbacks, as required.
5. Establish repeater site(s), as required.
6. Establish a watch.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. JP 6-0 Joint Communications System
3. MCO 3500.27_ Operational Risk Management (ORM)
4. MCWP 3-40.3 MAGTF Communications System
5. Unit SOP Unit's Standing Operating Procedures

**CHAINED EVENTS:**

| | | |
|---|---|---|
| 0620-ENGR-2001 | 0620-ENGR-2002 | 0623-OPER-1001 |
| 0623-PLAN-2001 | 0629-MNGT-2001 | 0629-PLAN-2001 |
| 0629-PLAN-2002 | | |

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 4

## MOS 06XX INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 4

MOS 06XX INDIVIDUAL EVENTS

**4000. PURPOSE.** This chapter details the individual events that pertain to multiple communications MOSs. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**4001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-character, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. This chapter utilizes the following methodology:

a. Field one. This field represents the MOS. This chapter contains the following MOS codes:

| Code | Description |
|---|---|
| 06XX | Multiple communications MOSs |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| BUDG | Budget |
| CMSC | Communications Security |
| EMBK | Embarkation |
| GBS | Global Broadcast Service |
| MANT | Maintenance |
| MNGT | Management |
| OPER | Equipment Operation |
| OPS | Operations |
| PLAN | Planning |
| SCON | Systems Control |
| TRNG | Training |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 1000 | Core Skills |
| 2000 | Core Plus Skills |

**4002. INDEX OF EVENTS**

| | | |
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| 06XX-BUDG-2001 | Manage a communications unit budget | 4-5 |
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| 06XX-MNGT-2003 | Supervise DODIN Operations | 4-6 |
| 06XX-OPS-2003 | Manage a help desk | 4-6 |
| 06XX-TRNG-2001 | Manage a communications unit training program | 4-7 |

**4003. 1000-LEVEL EVENTS**

**06XX-OPER-1001:** Operate a vehicle-based communications system

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** Certain MOSs in the communications occupational field operate equipment that is inherently vehicle-mounted. Marines in these MOSs require vehicle licenses in order to effectively perform their duties. Marines in other communications MOSs will refer to the MT T&R Manual when an incidental license is required for the performance of their duties.

**MOS PERFORMING:** 0621, 0623, 0627

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided with applicable references, operational motor transport equipment, forms, required tools and equipment.

**STANDARD:** Safely meeting operational requirements with no injury to personnel or damage to equipment.

**PERFORMANCE STEPS:**
1. Perform PMCS.
2. Prepare operational forms and records.
3. Start the engine.
4. Select transmission gear.
5. Select transfer case gear.
6. Operate vehicle forward.
7. Operate vehicle in reverse.
8. Comply with traffic regulations.
9. Operate vehicle with headlights.
10. Operate vehicle in blackout drive.
11. Operate vehicle with vision enhancement devices.
12. Operate vehicle with towed load.
13. Stop the vehicle.
14. Shut down the engine.
15. Complete operational forms and records.
16. Operate vehicle CTIS.
17. Operate equipment using a ground guide.

**REFERENCES:**
1. AETM Applicable Equipment Technical Manuals
2. AIETM Applicable Interactive Electronic Technical Manual
3. ALO/I Applicable Lubrication Order/Instruction
4. FM 21-305 Manual for Wheeled Vehicle Driver
5. FM 21-60 Visual Signals

6. FM 3-25-26 Map Reading and Land Navigation
7. MCO 5100.19_ Marine Corps Traffic Safety Program (Drivesafe)
8. MCWP 3-17.1 Combined Arms Gap-Crossing Operations
9. TB 9-639 Passenger Carrying Capacity of Tactical and Admin Vehicles
10. TM 11033-OR Operators Manual
11. TM 11240-15/3_ Tactical Motor Transport Licensing Official's Manual
12. TM 11329A-OI/1 Operators, Unit Direct Support and General Support Maintenance Manual
13. TM 11-5855-238-10 NIGHT VISION GOGGLES AN/PVS-5A
14. TM 11-5855-262-10 Operator's Manual, AN/PVS-7
15. TM 2320-10/6 Operator Manual for HMMWV
16. TM 4700-15/1_ Ground Equipment Record Procedures
17. TM 8H667-13&P/1 Drivers Vision Enhancer
18. TM 9-3990-206-14&P PLS Flatrack (IPF) Flatrack M1
19. TM 9-4910-593-12&P Tow Bar Motor Vehicle

**SUPPORT REQUIREMENTS:**

**SIMULATION EVALUATION:**

| SIMULATED | SUITABILITY | SIMULATOR | UNIT OF MEASURE | HOURS | PM |
|---|---|---|---|---|---|
| Yes | L/S | ODS | Team Hours | 0 | N |

**MISCELLANEOUS:**

**SIMULATION:**
For Marine hours see Motor Transport SAWG comments for incidental operator hours and sustainment.

---

**06XX-OPS-1001:** Demonstrate basic communication knowledge

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0612, 0621, 0627, 0651

**GRADES:** PVT, PFC, LCPL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided appropriate documentation.

**STANDARD:** Demonstrate working knowledge and familiarization with the basic communication function.

**PERFORMANCE STEPS:**
1. Demonstrate communication principles to MAGTF operations.
2. Demonstrate network fundamentals to a communication plan.
3. Demonstrate systems fundamentals to a communication plan.
4. Demonstrate transmission fundamentals to a communication plan.
5. Adhere to communication security requirements.
6. Demonstrate helpdesk procedures.

**REFERENCES:** MCWP 3-40.3 MAGTF Communications System

---

**06XX-BUDG-2001:** Manage a communications unit budget

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Provides input to a budget that supports the operations and maintenance funding requirements of communications operations.

**MOS PERFORMING:** 0602, 0605, 0610, 0619, 0620, 0629, 0640, 0648, 0650, 0659, 0681, 0689, 0699

**GRADES:** SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, 2NDLT, 1STLT, CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided budget documents, commander's guidance, and references.

**STANDARD:** Supporting operations requirements and in accordance with higher headquarters budget guidance.

**PERFORMANCE STEPS:**
1. Determine recurring operations and maintenance (O&M) costs.
2. Estimate recurring reimbursable allocations.
3. Estimate variable costs.
4. Determine projects costs.
5. Submit required initial authorization.
6. Determine Procurement Marine Corps (PMC) funding requirements.
7. Develop program objective memorandum (POM) funding requirements.
8. Submit midyear review.
9. Submit end of year review.

**REFERENCES:**
1. DoD 7000.14-R Department of Defense Financial Management Regulations (DoDFMR), Volume 7A: "Military Pay Policy - Active Duty and Reserve Pay"
2. MCO P4400.150_ Consumer Level Supply Policy Manual
3. MCO P7100.11_ Budget Manual for HQMC and Special Activities
4. NAVSO P-1000 DON Financial Management Policy Manual (Navy Comptroller Manual)

---

**06XX-MNGT-2002:** Perform program management

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0602, 0603, 0610, 0620, 0650, 0699

**GRADES:** MSGT, MGYSGT, CWO-3, CWO-4, CWO-5, CAPT, MAJ

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided an operations order, commander's guidance, and references.

**STANDARD:** To design, build, configure, secure, operate, sustain and maintain projects in support of the communications plan.

**PERFORMANCE STEPS:**
1. Initiate the plan.
2. Identify stakeholders.
3. Conduct planning.
4. Plan the scope of the project.
5. Plan resource management.
6. Plan for risks.
7. Execute the plan.
8. Monitor and control the plan.
9. Close the plan.

**REFERENCES:** MCWP 3-40.3 Communications

---

**06XX-MNGT-2003:** Supervise DODIN Operations

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0602, 0603, 0605, 0610, 0619, 0620, 0629, 0640, 0650, 0659, 0689, 0699

**GRADES:** GYSGT, MSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, 2NDLT, 1STLT, CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, operational conditions, operational plans, and a communications systems architecture.

**STANDARD:** Satisfying the commander's communications system requirements and in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Design DOD communication systems and networks.
2. Manage the execution of the communications plan.
3. Manage the build, configuration, security, operation, maintenance and sustainment of DOD communication systems and networks.
4. Manage communications control functions and procedures.

**REFERENCES:** MCWP 3-40.3 Communications

---

**06XX-OPS-2003:** Manage a help desk

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0619, 0629, 0659, 0699

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided a communications plan, equipment, personnel, and references.

**STANDARD:** Delivering timely and accurate end user support in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Develop watch schedule.
2. Supervise watch duties.
3. Establish priorities.
4. Supervise quality control.
5. Conduct trend analysis.
6. Report helpdesk statistics.

**REFERENCES:**
1. MCNOSC Marine Corps Network Operations and Security Center (https://www.mcnosc.usmc.mil)
2. MCO 3500.27_ Operational Risk Management (ORM)

---

**06XX-TRNG-2001:** Manage a communications unit training program

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Training of communications personnel sustains and progresses individual skills, integrates individual skills into unit capabilities, and manages unit training using the Marine Corps training principles and the Systems Approach to Training (SAT) to maximize training results and focus the training priorities of the unit in preparation for the conduct of its wartime missions.

**MOS PERFORMING:** 0610, 0619, 0620, 0629, 0640, 0648, 0650, 0659, 0681, 0689, 0699

**GRADES:** SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** Ensuring required training is completed to maintain unit readiness.

**PERFORMANCE STEPS:**
1. Conduct a training assessment.
2. Determine training goals.
3. Develop a training plan.
4. Develop training schedules.
5. Develop a training scenario.
6. Coordinate unit training.
7. Conduct operational risk assessment.

8. Create a performance evaluation checklist.
9. Prepare for training.
10. Conduct training.
11. Evaluate training.
12. Conduct after action reviews.
13. Document training.

**REFERENCES:**
1. MCO 1200.17_ Military Occupational Specialty Manual (MOS Manual)
2. MCO 1553.3_ Unit Training Management (UTM) Program
3. MCO 1560.25_ Marine Corps Lifelong Learning Program
4. MCO P1510.94_ Standing Operating Procedures for Resident Professional Military Education (PME)
5. MCO P3500.72_ Marine Corps Ground Training and Readiness (T&R) Program
6. MCO P4790.2_ MIMMS Field Procedures Manual
7. MCRP 3-0A Unit Training Management Guide
8. MCTP 8-10B How to Conduct Training
9. MCWP 3-40.3 MAGTF Communications System
10. MOS Roadmap Military Occupational Specialty (MOS) Roadmaps
11. NAVMC 3500.56_ Communications T&R Manual
12. TECOMO 1500.1 Military Occupational Specialty Roadmaps
13. TEEP Training, Exercise and Evaluation Plan
14. Unit SOP Unit's Standing Operating Procedures
15. Unit Training Plan

**4004. 2000-LEVEL EVENTS**

**06XX-BUDG-2001:** Manage a communications unit budget

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Provides input to a budget that supports the operations and maintenance funding requirements of communications operations.

**MOS PERFORMING:** 0602, 0605, 0610, 0619, 0620, 0629, 0640, 0648, 0650, 0659, 0681, 0689, 0699

**GRADES:** SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, 2NDLT, 1STLT, CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided budget documents, commander's guidance, and references.

**STANDARD:** Supporting operations requirements and in accordance with higher headquarters budget guidance.

**PERFORMANCE STEPS:**
1. Determine recurring operations and maintenance (O&M) costs.
2. Estimate recurring reimbursable allocations.
3. Estimate variable costs.
4. Determine projects costs.
5. Submit required initial authorization.
6. Determine Procurement Marine Corps (PMC) funding requirements.
7. Develop program objective memorandum (POM) funding requirements.
8. Submit midyear review.

9. Submit end of year review.

**REFERENCES:**
1. DoD 7000.14-R Department of Defense Financial Management Regulations (DoDFMR), Volume 7A: "Military Pay Policy - Active Duty and Reserve Pay"
2. MCO P4400.150_ Consumer Level Supply Policy Manual
3. MCO P7100.11_ Budget Manual for HQMC and Special Activities
4. NAVSO P-1000 DON Financial Management Policy Manual (Navy Comptroller Manual)

---

**06XX-MANT-2001:** Maintain communication equipment

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** Crew/operator maintenance includes the full range of organizational category in the field level of maintenance authorized for the crew/operator. This includes inspections (LTIs, SL-3s), modifications (firmware upgrades and when identified as crew/operator), PMCS, creation of SRs in GCSS-MC, etc.

**MOS PERFORMING:** 0612, 0613, 0621, 0623, 0627, 0651

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided maintenance documents, equipment, and technical references.

**STANDARD:** Ensuring the equipment is clean, rust free, SL-3 complete, and operational.

**PERFORMANCE STEPS:**
1. Conduct SL-3 inventory.
2. Inspect equipment.
3. Conduct PMCS.
4. Conduct an operational check.
5. Complete equipment records.
6. Report discrepancies.
7. Induct equipment into maintenance, as required.
8. Requisition parts, as required.
9. Apply parts, as required.
10. Apply modification, as required.
11. Document maintenance.

**REFERENCES:**
1. Applicable technical references
2. MCO 3500.27_ Operational Risk Management (ORM)
3. MCO P4790.1_ Marine Corps Integrated Maintenance Management System (MIMMS) Introduction Manual
4. MCO P4790.2_ MIMMS Field Procedures Manual
5. SL 1-2/3 Index of Authorized Publications in Stock
6. TM 4700-15/1_ Ground Equipment Record Procedures

---

**06XX-MNGT-2002**: Perform program management

**EVALUATION-CODED**: NO **SUSTAINMENT INTERVAL**: 6 months

**MOS PERFORMING**: 0602, 0603, 0610, 0620, 0650, 0699

**GRADES**: MSGT, MGYSGT, CWO-3, CWO-4, CWO-5, CAPT, MAJ

**INITIAL TRAINING SETTING**: MOJT

**CONDITION**: Provided an operations order, commander's guidance, and references.

**STANDARD**: To design, build, configure, secure, operate, sustain and maintain projects in support of the communications plan.

**PERFORMANCE STEPS**:
1. Initiate the plan.
2. Identify stakeholders.
3. Conduct planning.
4. Plan the scope of the project.
5. Plan resource management.
6. Plan for risks.
7. Execute the plan.
8. Monitor and control the plan.
9. Close the plan.

**REFERENCES**: MCWP 3-40.3 Communications

---

**06XX-MNGT-2003**: Supervise DODIN Operations

**EVALUATION-CODED**: NO **SUSTAINMENT INTERVAL**: 12 months

**MOS PERFORMING**: 0602, 0603, 0605, 0610, 0619, 0620, 0629, 0640, 0650, 0659, 0689, 0699

**GRADES**: GYSGT, MSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, 2NDLT, 1STLT, CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING**: FORMAL

**CONDITION**: Given a command's mission, operational conditions, operational plans, and a communications systems architecture.

**STANDARD**: Satisfying the commander's communications system requirements and in accordance with the communications plan.

**PERFORMANCE STEPS**:
1. Design DOD communication systems and networks.
2. Manage the execution of the communications plan.
3. Manage the build, configuration, security, operation, maintenance and sustainment of DOD communication systems and networks.
4. Manage communications control functions and procedures.

**REFERENCES:** MCWP 3-40.3 Communications

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**06XX-OPS-2003:** Manage a help desk

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0619, 0629, 0659, 0699

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided a communications plan, equipment, personnel, and references.

**STANDARD:** Delivering timely and accurate end user support in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Develop watch schedule.
2. Supervise watch duties.
3. Establish priorities.
4. Supervise quality control.
5. Conduct trend analysis.
6. Report helpdesk statistics.

**REFERENCES:**
1. MCNOSC Marine Corps Network Operations and Security Center (https://www.mcnosc.usmc.mil)
2. MCO 3500.27_ Operational Risk Management (ORM)

---

**06XX-TRNG-2001:** Manage a communications unit training program

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Training of communications personnel sustains and progresses individual skills, integrates individual skills into unit capabilities, and manages unit training using the Marine Corps training principles and the Systems Approach to Training (SAT) to maximize training results and focus the training priorities of the unit in preparation for the conduct of its wartime missions.

**MOS PERFORMING:** 0610, 0619, 0620, 0629, 0640, 0648, 0650, 0659, 0681, 0689, 0699

**GRADES:** SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** Ensuring required training is completed to maintain unit readiness.

**PERFORMANCE STEPS:**

1. Conduct a training assessment.
2. Determine training goals.
3. Develop a training plan.
4. Develop training schedules.
5. Develop a training scenario.
6. Coordinate unit training.
7. Conduct operational risk assessment.
8. Create a performance evaluation checklist.
9. Prepare for training.
10. Conduct training.
11. Evaluate training.
12. Conduct after action reviews.
13. Document training.

**REFERENCES:**

1. MCO 1200.17_ Military Occupational Specialty Manual (MOS Manual)
2. MCO 1553.3_ Unit Training Management (UTM) Program
3. MCO 1560.25_ Marine Corps Lifelong Learning Program
4. MCO P1510.94_ Standing Operating Procedures for Resident Professional Military Education (PME)
5. MCO P3500.72_ Marine Corps Ground Training and Readiness (T&R) Program
6. MCO P4790.2_ MIMMS Field Procedures Manual
7. MCRP 3-0A Unit Training Management Guide
8. MCTP 8-10B How to Conduct Training
9. MCWP 3-40.3 MAGTF Communications System
10. MOS Roadmap Military Occupational Specialty (MOS) Roadmaps
11. NAVMC 3500.56_ Communications T&R Manual
12. TECOMO 1500.1 Military Occupational Specialty Roadmaps
13. TEEP Training, Exercise and Evaluation Plan
14. Unit SOP Unit's Standing Operating Procedures
15. Unit Training Plan

COMMUNICATIONS TRAINING AND READINESS MANUAL

# CHAPTER 5

# MOS 0602 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 5

MOS 0602 INDIVIDUAL EVENTS

**5000. PURPOSE.**
This chapter details the individual events that pertain to Communications Officers. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**5001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the MOS. This chapter contains the following MOS codes:

| Code | Description |
|---|---|
| 0602 | Communications Officer |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| DCO | Defensive Cyberspace Operations |
| OPS | Operations |
| PLAN | Planning |
| TRNG | Training |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 1000 | Core Skills |

**5002. INDEX OF EVENTS**

**5003. 1000-LEVEL EVENTS**

**0602-CCON-1001:** Direct DOD Information Network (DODIN) Operations

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0602

**GRADES:** 2NDLT, 1STLT, CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, operational conditions, operational plans, and a communications systems architecture.

**STANDARD:** Satisfying the commander's communications system requirements and in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Direct the design of DOD information networks, as required.
2. Direct the build of DOD information networks, as required.
3. Direct the configuration of DOD information networks, as required.
4. Direct the security of DOD information networks, as required.
5. Direct the operation of DOD information networks, as required.
6. Direct the maintenance of DOD information networks, as required.
7. Direct the sustainment of DOD information networks, as required.
8. Identify problems, as required.
9. Direct corrective actions, as required.
10. Validate corrective action, as required.
11. Review reports, as required.
12. Report status to commander, as required.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

---

**0602-DCO-1001:** Direct Defensive Cyberspace Operations

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Communications officers determine and direct cybersecurity operations to ensure the readiness of communications networks.

**MOS PERFORMING:** 0602

**GRADES:** 2NDLT, 1STLT, CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided cybersecurity directives and cybersecurity trained personnel.

**STANDARD:** Maintaining availability, integrity, authentication, confidentiality, and non-repudiation of Marine Corps information, information systems, and information infrastructures.

**PERFORMANCE STEPS:**
1. Coordinate in the development or modification of the plan.
2. Report security violations.
3. Direct corrective measures to defensive cybersecurity operations vulnerabilities.
4. Direct adherence to system security configuration guidelines.
5. Ensure compliance with defensive cybersecurity operations requirements in a networking environment.
6. Direct defensive cybersecurity operations inspections, tests, and reviews.
7. Ensure compliance with approved certification and accreditation package.

**REFERENCES:**
1. Dir C4 DIACAP Memorandum DOD Information Assurance Certification and Accreditation Process (DIACAP) Memorandum from Director, Command, Control, Communications, and Computers (C4) Identifying IA Training Continuum, DoD Approved Baseline IA Certifications, and IA Workforce Qualifying Military Occupational Specialty (MOS) and Civil Service Series/Operational Code
2. DoDD 8510.01 DOD Information Assurance Certification and Accreditation Process (DIACAP)
3. DODI 8570.01-M Information Assurance Workforce Improvement Program

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**0602-PLAN-1001:** Determine transmission requirements

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0602

**GRADES:** 2NDLT, 1STLT, CAPT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, approved course of action, task organization, table of equipment, higher headquarters Annex K.

**STANDARD:** Within a timeline provided by the commander and satisfying the commander's communications system requirements.

**PERFORMANCE STEPS:**
1. Compile radio network requirements.
2. Validate single channel radio requirements.
3. Validate multichannel radio requirements.
4. Validate satellite access requirements.
5. Submit radio network shortfalls to higher headquarters.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 MAGTF Communications System

---

**0602-PLAN-1002:** Determine data systems requirements

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0602, 2651

**GRADES:** GYSGT, MSGT, MGYSGT, 2NDLT, 1STLT, CAPT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, approved course of action, task organization, table of equipment, higher headquarters Annex K.

**STANDARD:** Within a timeline provided by the commander and satisfying the commander's communications system requirements.

**PERFORMANCE STEPS:**
1. Validate user requirement.

2. Determine services to be required.
3. Analyze T/E and equipment capabilities.
4. Compile data systems requirements.
5. Submit shortfalls to higher headquarters.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 MAGTF Communications System

**MISCELLANEOUS:**

**ADMINISTRATIVE INSTRUCTIONS:** This event is designated at "FORMAL" for MOS 2651 with ranks GySgt - MGySgt.

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**0602-PLAN-1003:** Determine network requirements

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0602

**GRADES:** 2NDLT, 1STLT, CAPT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, approved course of action, task organization, table of equipment, higher headquarters Annex K.

**STANDARD:** Within a timeline provided by the commander and satisfying the commander's communications system requirements.

**PERFORMANCE STEPS:**
1. Validate user requirement.
2. Determine services to be required.
3. Analyze T/E and equipment capabilities.
4. Compile network requirements.
5. Submit shortfalls to higher headquarters.

**REFERENCES:**
1. MCWP 3-40.3 MAGTF Communications System
2. MCWP 5-1 Marine Corps Planning Process (MCPP)

---

**0602-PLAN-1005:** Develop a MSE Level communications plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** Per MCWP 3-40.3 MAGTF Communications System, the selected COA across the Range of Military Operations (ROMO) to include amphibious operations as the tactical COA, is converted into the overall CONOPS and the command's OPORD is crafted, the communications planner translates the communication concept of support into the communications CONOPS and develops the communication plan. While the formal, deliberate manifestation of a communications plan is detailed in the annex K, time available, size of unit, and mission dictate the extent to which a plan is documented. The purpose of any order, whether delivered in a 200-page document or verbally, is to provide clarity and promote shared understanding. Once the order is issued, a communications organization can then transition to briefing the plan and conducting rehearsals.

**MOS PERFORMING:** 0602

**GRADES:** 2NDLT, 1STLT, CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, approved course of action, task organization, table of equipment, higher headquarters Annex K, and communication concept of support.

**STANDARD:** Within a timeline provided by the commander and satisfying the commander's communications system requirements.

**PERFORMANCE STEPS:**
1. Analyze higher headquarters annex K.
2. Develop a radio network plan.
3. Develop a network plan.
4. Develop a data systems plan.
5. Determine installation/restoration priorities.
6. Determine defensive cyberspace operations requirements.
7. Determine communication security requirements.
8. Determine power requirements.
9. Submit communications system requirements to higher headquarters.
10. Disseminate the communications plan.

**REFERENCES:**
1. CJCSI 6510.01E Information Assurance (IA) and Computer Network Defense (CND)
2. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
3. CJCSM 6231.04B Manual for Employing Tactical Communications
4. DoDI 8500.2 Information Assurance (IA) Implementation
5. Expeditionary Energy Strategy
6. JP 2-02 National Intelligence Support to Joint Operations

7. JP 6-0 Joint Communications System
8. MCEB Pub 7 Frequency Resource Record System (FRRS) Standard Frequency Action Format
9. MCRP 2-10A.1 Signals Intelligence (Formerly MCWP 2-22)
10. MCRP 3-30B.3 Multiservice Communications Procedures for Tactical Radios in a Joint Environment (Tactical Radios)
11. MCWP 3-40.3 MAGTF Communications System
12. MCWP 5-1 Marine Corps Planning Process (MCPP)
13. MCWP 6-22 Communications and Information Systems
14. TM 2000-15/1_ Brief Description of U.S. Marine Corps Communication-Electronic Equipment

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 6

MOS 0603 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 6

MOS 0603 INDIVIDUAL EVENTS

**6000. PURPOSE.** This chapter details the individual events that pertain to Advanced Communications Officers. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**6001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the MOS. This chapter contains the following MOS codes:

| Code | Description |
|---|---|
| 0603 | Advanced Communications Officer |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| OPS | Operations |
| PLAN | Planning |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**6002. INDEX OF EVENTS**

| Event Code | Event | Page |
|---|---|---|
| **2000 Level Events** | | |
| 0603-OPS-2001 | Direct DOD Information Network (DODIN) Operations | 6-3 |
| 0603-OPS-2002 | Direct Defensive Cyberspace Operations | 6-3 |
| 0603-PLAN-2001 | Develop an MSC/MAGTF communications plan | 6-4 |
| 0603-PLAN-2002 | Validate the integration of the transmissions plan into the communications plan | 6-5 |
| 0603-PLAN-2004 | Validate the integration of the data systems plan into the communications plan | 6-5 |
| 0603-PLAN-2005 | Validate the integration of the network plan into the communication plan | 6-6 |

**6003. 2000-LEVEL EVENTS**

**0603-OPS-2001:** Direct DOD Information Network (DODIN) Operations

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0603

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, operational conditions, operational plans, and a communications systems architecture.

**STANDARD:** Satisfying the commander's communications system requirements and in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Direct the design of DOD information networks, as required.
2. Direct the build of DOD information networks, as required.
3. Direct the configuration of DOD information networks, as required.
4. Direct the security of DOD information networks, as required.
5. Direct the operation of DOD information networks, as required.
6. Direct the maintenance of DOD information networks, as required.
7. Direct the sustainment of DOD information networks, as required.
8. Identify problems, as required.
9. Direct corrective actions, as required.
10. Validate corrective action, as required.
11. Review reports, as required.
12. Report status to commander, as required.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0603-OPS-2002:** Direct Defensive Cyberspace Operations

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Communications officers determine and direct cybersecurity operations to ensure the readiness of communications networks.

**MOS PERFORMING:** 0603

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided cyber security directives and cybersecurity trained personnel.

**STANDARD:** Maintaining availability, integrity, authentication, confidentiality, and non-repudiation of Marine Corps information, information systems, and information infrastructures.

**PERFORMANCE STEPS:**
1. Coordinate in the development or modification of the plan.
2. Report security violations.
3. Direct corrective measures to defensive cyber security operations vulnerabilities.
4. Direct adherence to system security configuration guidelines.
5. Ensure compliance with defensive cyber security operations requirements in a networking environment.
6. Direct defensive cyber security operations inspections, tests, and reviews.
7. Ensure compliance with approved certification and accreditation package.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

---

**0603-PLAN-2001:** Develop an MSC/MAGTF communications plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Per MCWP 3-40.3 MAGTF Communications System, the selected COA across the Range of Military Operations (ROMO) to include amphibious operations as the tactical COA, is converted into the overall CONOPS and the command's OPORD is crafted, the communications planner translates the communication concept of support into the communications CONOPS and develops the communication plan. While the formal, deliberate manifestation of a MSC communications plan is detailed in the annex K, time available, size of unit, and mission dictate the extent to which a plan is documented. The purpose of any order, whether delivered in a 200-page document or verbally, is to provide clarity and promote shared understanding. Once the order is issued, a communications organization can then transition to briefing the plan and conducting rehearsals.

**MOS PERFORMING:** 0603

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, approved course of action, task organization, table of equipment, higher headquarters Annex K.

**STANDARD:** Within a timeline provided by the commander and satisfying the commander's communications system requirements.

**PERFORMANCE STEPS:**
1. Analyze higher headquarters' operations order.
2. Develop communications concept of support.
3. Identify the communications vulnerabilities.
4. Identify the communications mission limitations.
5. Lead COOP planning.

6. Validate joint connectivity requirements.
7. Validate joint connectivity requirements.
8. Validate coalition connectivity requirements.
9. Integrate the communications architecture.
10. Coordinate DoDIN and DCO support requirements.
11. Direct DoDIN operations.
12. Direct defensive cyber operations.
13. Conduct cyber threat analysis with the intelligence section.
14. Conduct Staff coordination (Intel, IW, Fires, CPT, CEWCC etc.)
15. Draft an Annex K in support of the operations order.
16. Conduct transition.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. Expeditionary Energy Strategy
3. MCWP 3-40.3 MAGTF Communications System

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**0603-PLAN-2002:** Validate the integration of the transmissions plan into the communications plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** The advanced communications officer provides planning guidance, directs the actions of, and validates the plans developed by SMEs fulfill the overall mission requirements, then integrates those individual plans into the overall communications plan.

**MOS PERFORMING:** 0603

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, approved course of action, task organization, table of equipment, higher headquarters Annex K.

**STANDARD:** Within a timeline provided by the commander and satisfying the commander's communications system requirements.

**PERFORMANCE STEPS:**
1. Validate radio network requirements.
2. Validate single channel radio requirements.
3. Validate multichannel radio requirements.
4. Validate satellite access requirements.
5. Submit radio network shortfalls to higher headquarters.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. Expeditionary Energy Strategy
3. MCWP 3-40.3 MAGTF Communications System

---

**0603-PLAN-2004:** Validate the integration of the data systems plan into the communications plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0603

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a communications concept and higher headquarters Annex K.

**STANDARD:** Within a timeline provided by the commander and satisfying the commander's communications system requirements.

**PERFORMANCE STEPS:**
1. Validate user requirement.
2. Validate services to be required.
3. Identify T/E and equipment capabilities.
4. Validate data systems requirements.
5. Validate mission critical shortfalls to higher headquarters.
6. Submit mission critical shortfalls to higher headquarters.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. Expeditionary Energy Strategy
3. MCWP 3-40.3 MAGTF Communications System

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**0603-PLAN-2005:** Validate the integration of the network plan into the communication plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0603

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a communications concept and higher headquarters Annex K.

**STANDARD:** Within a timeline provided by the commander and satisfying the commander's communications system requirements.

**PERFORMANCE STEPS:**
1. Validate WAN diagrams.
2. Validate LAN diagrams.
3. Validate all application/system requirements/diagrams.
4. Validate the integration of the defensive cyber operations plan.
5. Validate virtual infrastructure diagram.
6. Validate quality of service scheme.
7. Validate data network appendix for an annex K.

**REFERENCES:**

1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. Expeditionary Energy Strategy
3. MCWP 3-40.3 MAGTF Communications System

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 7

## MOS 0605 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 7

MOS 0605 INDIVIDUAL EVENTS

**7000. PURPOSE.** This chapter details the individual events that pertain to Cyber Network Operations Officers. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**7001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the MOS. This chapter contains the following MOS codes:

| Code | Description |
|---|---|
| 0605 | Cyber Network Operations Officer |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| MNGT | Management |
| OPS | Operations |
| PLAN | Planning |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**7002. INDEX OF EVENTS**



**7003. 2000-LEVEL EVENTS**

**0605-MNGT-2001:** Manage information technology program

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Information technology program management is performed at the MSC, MEF, MARFOR, and Joint/Combined component command levels.

**MOS PERFORMING:** 0605

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided commander's guidance, and acquisition regulations.

**STANDARD:** Meeting the goals established by the command and in accordance with the FAR.

**PERFORMANCE STEPS:**
1. Verify requirements.
2. Create POA&M.
3. Supervise development.
4. Supervise integrated product teams.
5. Communicate periodic progress risk and issues.
6. Manage testing requirements.
7. Develop statements of work and statements of objectives.
8. Manage a schedule.
9. Draft lifecycle documentations.
10. Manage lifecycle plan.
11. Perform contracting officer requirements.

**REFERENCES:**
1. Applicable Contract Documentation
2. Applicable technical references
3. DAWIA Public Law 101-510, Title 10 USC
4. DoD 5200.28 Security Requirements for Automated Information Systems (AIS)
5. DOD 5200.28-STD DOD Trusted Computer System Evaluation Criteria
6. FAR Federal Acquisition Regulation
7. MARCORSYSCOM MARCORSYSCOM.usmc.mil
8. Unit SOP Unit's Standing Operating Procedures

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**0605-OPS-2001:** Manage a Cyberspace Operations plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** T&R Event is accomplished at the MSC, MEF, MARFOR, and Joint/Combined component command levels.

**MOS PERFORMING:** 0605

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided commander's guidance, higher headquarters Cyberspace Operations plans, higher headquarters operations order, and references.

**STANDARD:** Supporting the commanders integrated, operational requirements in accordance with the cyberspace operations plan.

**PERFORMANCE STEPS:**
1. Supervise Cyberspace Operations architecture development.
2. Coordinate with intelligence community in support of Defensive Cyberspace Operations.
3. Supervise implementation of the DODIN operations plan.
4. Supervise implementation of the Defensive Cyberspace Operations plan.
5. Supervise implementation of the Cyberspace Content Management (CCM) plan.
6. Supervise Defensive Cyberspace Operations-response action plan.
7. Supervise tier 1 Defensive Cyberspace Operations support plan.

**REFERENCES:**
1. Cisco Press Books http://www.ciscopress.com
2. Deputy Secretary of Defense CyberOps Memorandum, 15 October 2008
3. DoD Capstone Concept for Joint Operations Version 3.0, 15 January 2009
4. DoDI 8410.2 NETOPS for the Global Information Grid (GIG)
5. Gray Book Gray Book, Marine Corps Operating Concepts for a Changing Security Environment, March 2006
6. JCT & CS Joint Cyberspace Training and Certification Standards
7. Joint Operating Concept Version 2.0 Irregular Warfare: Countering Irregular Threats
8. JP 6-0 Joint Communications System
9. MCNOSC Marine Corps Network Operations and Security Center (https://www.mcnosc.usmc.mil)
10. MCWP 3-40.3 MAGTF Communications System
11. Microsoft Technet Online http://www.microsoft.com/technet/
12. NMS-Cyber National Military Strategy for Cyberspace Operations
13. NSS National Security Strategy (NSS) of the United States
14. Operation/Exercise Order
15. The National Strategy to Secure Cyberspace
16. TRADOC Pamphlet 525-7-8 The United States Army's Cyberspace Operations Concept Capability Plan 2016-2028, 22 February 2010
17. Unit SOP Unit's Standing Operating Procedures
18. Unit T/O&E Unit's Table of Organization and Equipment
19. USMC Cyberspace Concept

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**0605-PLAN-2001:** Develop a Cyberspace Operations plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Cyberspace Operations plans are developed at the MSC, MEF, MARFOR, and Joint/Combined component command levels.

**MOS PERFORMING:** 0605

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided commander's guidance, higher headquarters Cyberspace Operations plans, higher headquarters Annex K, and references.

**STANDARD:** Supporting the commander's Cyberspace Operations requirements and in accordance with MCWP 5-1 Marine Corps Planning Process.

**PERFORMANCE STEPS:**
1. Identify Cyberspace Operations requirements.
2. Develop DODIN operations plan.
3. Develop Defensive Cyberspace Operations plan.
4. Develop cyberspace content management plan.
5. Develop cyber effect request procedures.
6. Validate network plan.

**REFERENCES:**
1. Cisco Press Books http://www.ciscopress.com
2. Deputy Secretary of Defense CyberOps Memorandum, 15 October 2008
3. DoD Capstone Concept for Joint Operations Version 3.0, 15 January 2009
4. DoDI 8410.2 NETOPS for the Global Information Grid (GIG)
5. Gray Book Gray Book, Marine Corps Operating Concepts for a Changing Security Environment, March 2006
6. JCT & CS Joint Cyberspace Training and Certification Standards
7. Joint Operating Concept Version 2.0 Irregular Warfare: Countering Irregular Threats
8. MCNOSC Marine Corps Network Operations and Security Center (https://www.mcnosc.usmc.mil)
9. MCWP 3-40.3 MAGTF Communications System
10. Microsoft Technet Online http://www.microsoft.com/technet/
11. NMS-Cyber National Military Strategy for Cyberspace Operations
12. NSS National Security Strategy (NSS) of the United States
13. Operation/Exercise Order
14. TRADOC Pamphlet 525-7-8 The United States Army's Cyberspace Operations Concept Capability Plan 2016-2028, 22 February 2010
15. Unit SOP Unit's Standing Operating Procedures
16. Unit T/O&E Unit's Table of Organization and Equipment
17. USMC Cyberspace Concept

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**0605-PLAN-2002:** Design a Cyberspace Operations plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Cyberspace Operations plans are developed at the MSC, MEF, MARFOR, and Joint/Combined component command levels.

**MOS PERFORMING:** 0605

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided commander's guidance, higher headquarters Cyberspace Operations plans, higher headquarters operations order, and references.

**STANDARD:** Supporting the commander's Cyberspace Operations requirements and in accordance with MCWP 5-1 Marine Corps Planning Process.

**PERFORMANCE STEPS:**
1. Identify Cyberspace Operations requirements.
2. Design DODIN operations plan.
3. Design Defensive Cyberspace Operations plan.
4. Design cyberspace content management (CCM) plan.
5. Perform technical assessment and integration of cyberspace capabilities.
6. Design Defensive Cyberspace Operations-response action plan.
7. Design tier 1 Defensive Cyberspace Operations support plan.
8. Design cyber effect request form (CERF).
9. Design Defensive Cyberspace Operations friendly forces information requirement (FFIR).
10. Identify intelligence gaps.
11. Develop RFIs ISO components of the Cyberspace Operations plan.

**REFERENCES:**
1. Cisco Press Books http://www.ciscopress.com
2. Deputy Secretary of Defense CyberOps Memorandum, 15 October 2008
3. DoD Capstone Concept for Joint Operations Version 3.0, 15 January 2009
4. DoDI 8410.2 NETOPS for the Global Information Grid (GIG)
5. Gray Book Gray Book, Marine Corps Operating Concepts for a Changing Security Environment, March 2006
6. JCT & CS Joint Cyberspace Training and Certification Standards
7. Joint Operating Concept Version 2.0 Irregular Warfare: Countering Irregular Threats
8. JP 6-0 Joint Communications System
9. MCNOSC Marine Corps Network Operations and Security Center (https://www.mcnosc.usmc.mil)
10. MCWP 3-40.3 MAGTF Communications System
11. Microsoft Technet Online http://www.microsoft.com/technet/
12. NMS-Cyber National Military Strategy for Cyberspace Operations
13. NSS National Security Strategy (NSS) of the United States
14. Operation/Exercise Order
15. The National Strategy to Secure Cyberspace
16. TRADOC Pamphlet 525-7-8 The United States Army's Cyberspace Operations Concept Capability Plan 2016-2028, 22 February 2010
17. Unit SOP Unit's Standing Operating Procedures
18. Unit T/O&E Unit's Table of Organization and Equipment
19. USMC Cyberspace Concept

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**0605-PLAN-2003:** Manage Cyberspace Operations capability design plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0605

**GRADES:** CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided commander's guidance.

**STANDARD:** Supporting the commander's operational requirements.

**PERFORMANCE STEPS:**
1. Identify commander's/director's priorities.
2. Verify technical requirement.
3. Manage support function.
4. Manage testing requirements.
5. Supervise solution design and development.
6. Validate alignment with service/DOD level architecture.
7. Review and approve solution design documentation.
8. Provide technical/resources input to programming and budgeting activities.
9. Develop/update DOD Architecture Framework (DODAF) products.
10. Develop technical/resource input to technology road map plan.
11. Evaluate courses of action.
12. Draft plan of action and milestones.
13. Coordinate with outside agencies.
14. Manage program life cycle.
15. Determine total cost of ownership.
16. Validate COOP.
17. Communicate periodic progress risk and issues.

**REFERENCES:**
1. Cisco Press Books http://www.ciscopress.com
2. Deputy Secretary of Defense CyberOps Memorandum, 15 October 2008
3. DoD Capstone Concept for Joint Operations Version 3.0, 15 January 2009
4. DoDI 8410.2 NETOPS for the Global Information Grid (GIG)
5. Joint Operating Concept Version 2.0 Irregular Warfare: Countering Irregular Threats
6. JP 6-0 Joint Communications System
7. Marine Corps Operating Concepts for a Changing Security Environment
8. MCNOSC Marine Corps Network Operations and Security Center (https://www.mcnosc.usmc.mil)
9. MCWP 3-40.3 MAGTF Communications System
10. Microsoft Technet Online http://www.microsoft.com/technet/
11. NMS-Cyber National Military Strategy for Cyberspace Operations
12. NSS National Security Strategy (NSS) of the United States
13. Operation/Exercise Order
14. The National Strategy to Secure Cyberspace
15. TRADOC Pamphlet 525-7-8 The United States Army's Cyberspace Operations Concept Capability Plan 2016-2028, 22 February 2010
16. Unit SOP Unit's Standing Operating Procedures
17. Unit T/O&E Unit's Table of Organization and Equipment
18. USMC Cyberspace Concept

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 8

## MOS 0620 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 8

MOS 0620 INDIVIDUAL EVENTS

**8000. PURPOSE.** This chapter details the individual events that pertain to Space and Waveform Integration Officers. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**8001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the MOS. This chapter contains the following MOS codes:

| Code | Description |
|---|---|
| 0620 | Space and Waveform Integration Officer |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| ENGR | Engineer |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**8002. INDEX OF EVENTS**



**8003. 2000-LEVEL EVENTS**

**0620-ENGR-2001:** Engineer transmission architecture

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0620

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** Identifying the capability to enable Command and Control (C2) in support of Department of Defense Information Network (DODIN) Operations.

**PERFORMANCE STEPS:**
1. Identify requirements.
2. Engineer the Single Channel Radio (SCR) architecture.
3. Engineer the Multi-Channel Radio (MUX) architecture.
4. Engineer the SATCOM network architecture.
5. Engineer the terrestrial architecture.
6. Engineer space dependent communication systems architecture.
7. Engineer security controls.
8. Engineer management solutions.
9. Engineer encryption solutions.
10. Create transmission network documents.
11. Draft satellite access request
12. Submit satellite access request.
13. Provide input to accreditation processes.
14. Ensure systems interoperability.

**REFERENCES:**
1. CJCSM 6231.02B Manual for the Employment of Joint Tactical Communications (Joint Voice Communications Systems)
2. MCWP 3-40.3 Communications

---

**0620-ENGR-2002:** Optimize transmission architecture

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0620

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commanders guidance, and references.

**STANDARD:** Identifying the capability to enable Command and Control (C2) in support of Department of Defense Information Network (DODIN) Operations.

**PERFORMANCE STEPS:**
1. Validate network transmission architecture was implemented as engineered.
2. Verify compliance with security guidelines.
3. Analyze network quality of service.
4. Provide network transmission optimization solutions.
5. Provide solutions for threat mitigation.
6. Ensure systems interoperability.
7. Oversee change management procedures.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications

2. MCWP 3-40.3 Communications

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 9

MOS 0621 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 9

MOS 0621 INDIVIDUAL EVENTS

**9000. PURPOSE.** This chapter details the individual events that pertain to Transmission Systems Operators. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**9001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the MOS. This chapter contains the following MOS codes:

| Code | Description |
|---|---|
| 0621 | Transmission Systems Operator |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| MNGT | Manage |
| OPER | Operate |
| PLAN | Plan |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 1000 | Core Skills |
| 2000 | Core Plus Skills |

**9002. INDEX OF EVENTS**

| | | |
|---|---|---|
| 0621-PLAN-2001 | Conduct a site survey | 9-7 |
| 0621-PLAN-2002 | Develop frequency plan | 9-8 |

**9003. 1000-LEVEL EVENTS**

**0621-OPER-1002:** Operate a LOS multi-channel radio system

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** This event includes training on LOS, free space optics, and terrestrial communications systems.

**MOS PERFORMING:** 0621, 0623

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, equipment and references.

**STANDARD:** To establish a secure multi-channel communications link in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Install radio system.
3. Install antenna, as required.
4. Configure radio.
5. Install remoting device, as required.
6. Configure remoting device, as required.
7. Establish a secure radio link.
8. Conduct radio check.
9. Facilitate the passing of traffic.
10. Troubleshoot radio system, as required.
11. Restore radio system operations, as required.
12. Perform PMCS, as required.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

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**0621-OPER-1003:** Operate an expeditionary Satellite Communications (SATCOM) Terminal

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, equipment and references.

**STANDARD:** To establish secure satellite communications in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Install terminal.
3. Coordinate satellite access, as required.
4. Configure system.
5. Install COMSEC.
6. Install antenna.
7. Configure equipment interfaces.
8. Establish secure communications.
9. Troubleshoot satellite terminal, as required.
10. Restore satellite terminal operation, as required.
11. Coordinate satellite de-access, as required.
12. Complete shutdown procedures.
13. Perform PMCS, as required.
14. Provide input for the SATCOM after action report, as required.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

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**0621-OPER-1004:** Employ an antenna system

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0623, 0627

**GRADES:** PVT, PFC, LCPL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, equipment and references.

**STANDARD:** To establish a transmissions link in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Identify site layout.
3. Identify propagation.
4. Construct antenna.
5. Connect to radio.
6. Conduct operations check.
7. Install safety measures.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

**0621-OPER-1005:** Operate a single channel radio system.

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, equipment and references.

**STANDARD:** To establish secure radio communications utilizing proper radio procedures.

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Install radio system.
3. Install antenna, as required.
4. Configure radio.
5. Install remoting device, as required.
6. Configure remoting device, as required.
7. Establish a secure radio link.
8. Conduct radio check.
9. Pass traffic.
10. Troubleshoot radio system, as required.
11. Restore radio system operations, as required.
12. Conduct over the air rekey, as required.
13. Perform PMCS, as required.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

---

**0621-MNGT-2001:** Supervise a transmission site.

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0623, 0627

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, installed equipment, and references.

**STANDARD:** To maintain dependable, secure communications for the unit in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Inspect safety hazards and personal protective equipment (PPE).
2. Inspect force protection measures.

3. Inspect site layout.
4. Enforce standoff distance requirements, as required.
5. Inspect transmissions system installation.
6. Validate transmissions system configuration.
7. Inspect remoting device installation, as required.
8. Validate remoting device configuration, as required.
9. Inspect secure transmissions link.
10. Validate radio checks.
11. Supervise transmissions system troubleshooting, as required.
12. Validate transmissions system restoration priorities, as required.
13. Inspect PMCS, as required.
14. Supervise site sustainment.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

---

**0621-OPER-2002:** Establish a transmissions site

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0623, 0627

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided planning documents, location, equipment and references.

**STANDARD:** To provide transmissions links in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Conduct site survey.
2. Identify safety hazards and personal protective equipment (PPE).
3. Determine force protection measures.
4. Determine equipment requirements.
5. Determine power requirements.
6. Develop site layout.
7. Occupy the site.
8. Supervise employment of site plan.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

---

**0621-OPER-2003:** Operate advanced capabilities of transmission systems

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0623, 0627, 2651

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, equipment, and references.

**STANDARD:** Establishing secure transmissions links in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Install transmissions system.
3. Configure transmissions systems for advanced operation.
4. Conduct radio check.
5. Conduct transmissions communications checks.
6. Troubleshoot transmissions systems, as required.
7. Restore transmissions systems, as required.
8. Conduct network and transmissions systems integration.

**REFERENCES:**
1. Applicable equipment operation manual (OM)
2. MCO 3500.27_ Operational Risk Management (ORM)
3. MIL-HDBK-419A Grounding, Bonding, and Shielding for Electronic Equipments and Facilities (DEC 1987)

---

**0621-PLAN-2001:** Conduct a site survey

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0623, 0627

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents and references.

**STANDARD:** To select and verify the efficiency of an area as a transmission site in support of the communications plan.

**PERFORMANCE STEPS:**
1. Identify mission requirements.
2. Identify safety hazards and Personal protective equipment (PPE).
3. Determine location of transmission systems.
4. Determine location of antenna farm.
5. Identify obstructions.
6. Identify force protection measures.
7. Design site layout.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

**0621-PLAN-2002:** Develop frequency plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents and references.

**STANDARD:** To meet the transmissions requirements of the communications plan supporting operations as defined by commander's guidance.

**PERFORMANCE STEPS:**
1. Identify frequency requirements.
2. Prepare the plan.
3. Analyze the plan.
4. De-conflict the plan.
5. Submit the plan.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

**9004. 2000-LEVEL EVENTS**

**0621-MNGT-2001:** Supervise a transmission site.

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0623, 0627

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, installed equipment, and references.

**STANDARD:** To maintain dependable, secure communications for the unit in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Inspect safety hazards and personal protective equipment (PPE).
2. Inspect force protection measures.
3. Inspect site layout.
4. Enforce standoff distance requirements, as required.
5. Inspect transmissions system installation.
6. Validate transmissions system configuration.
7. Inspect remoting device installation, as required.
8. Validate remoting device configuration, as required.

9. Inspect secure transmissions link.
10. Validate radio checks.
11. Supervise transmissions system troubleshooting, as required.
12. Validate transmissions system restoration priorities, as required.
13. Inspect PMCS, as required.
14. Supervise site sustainment.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

---

**0621-OPER-2002:** Establish a transmissions site

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0623, 0627

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided planning documents, location, equipment and references.

**STANDARD:** To provide transmissions links in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Conduct site survey.
2. Identify safety hazards and personal protective equipment (PPE).
3. Determine force protection measures.
4. Determine equipment requirements.
5. Determine power requirements.
6. Develop site layout.
7. Occupy the site.
8. Supervise employment of site plan.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

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**0621-OPER-2003:** Operate advanced capabilities of transmission systems

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0623, 0627, 2651

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION**: Provided planning documents, equipment, and references.

**STANDARD**: Establishing secure transmissions links in accordance with the communications plan.

**PERFORMANCE STEPS**:
1. Identify safety hazards and personal protective equipment (PPE).
2. Install transmissions system.
3. Configure transmissions systems for advanced operation.
4. Conduct radio check.
5. Conduct transmissions communications checks.
6. Troubleshoot transmissions systems, as required.
7. Restore transmissions systems, as required.
8. Conduct network and transmissions systems integration.

**REFERENCES**:
1. Applicable equipment operation manual (OM)
2. MCO 3500.27_ Operational Risk Management (ORM)
3. MIL-HDBK-419A Grounding, Bonding, and Shielding for Electronic Equipments and Facilities (DEC 1987)

---

**0621-PLAN-2001**: Conduct a site survey

**EVALUATION-CODED**: NO **SUSTAINMENT INTERVAL**: 6 months

**MOS PERFORMING**: 0621, 0623, 0627

**GRADES**: CPL, SGT, SSGT

**INITIAL TRAINING SETTING**: FORMAL

**CONDITION**: Provided planning documents and references.

**STANDARD**: To select and verify the efficiency of an area as a transmission site in support of the communications plan.

**PERFORMANCE STEPS**:
1. Identify mission requirements.
2. Identify safety hazards and Personal protective equipment (PPE).
3. Determine location of transmission systems.
4. Determine location of antenna farm.
5. Identify obstructions.
6. Identify force protection measures.
7. Design site layout.

**REFERENCES**:
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

---

**0621-PLAN-2002:** Develop frequency plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents and references.

**STANDARD:** To meet the transmissions requirements of the communications plan supporting operations as defined by commander's guidance.

**PERFORMANCE STEPS:**
1. Identify frequency requirements.
2. Prepare the plan.
3. Analyze the plan.
4. De-conflict the plan.
5. Submit the plan.

**REFERENCES:**
1. 3-40.3B Radio Operator's Handbook
2. CJCSM 6231.04B Manual for Employing Tactical Communications
3. MCWP 3-40.3 Communications

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 10

## MOS 0623 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 10

MOS 0623 INDIVIDUAL EVENTS

**10000. PURPOSE.** This chapter details the individual events that pertain to Tropospheric Scatter Radio Multichannel Equipment Operators. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**10001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0623 | Tropospheric Transmissions System |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| OPER | Operate |
| PLAN | Plan |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 1000 | Core Skills |
| 2000 | Core Plus Skills |

**10002. INDEX OF EVENTS**



**10003. 1000-LEVEL EVENTS**

**0623-OPER-1001:** Operate a Troposcatter transmission system

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0623

**GRADES:** PVT, PFC, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, equipment, personnel, and references.

**STANDARD:** Establishing communications with the distant end with an acceptable bit error rate (BER) per the applicable technical references.

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Install system.
3. Establish link(s).
4. Monitor system performance.
5. Maintain circuit logbook.
6. Troubleshoot system, as required.
7. Restore communications, as required.
8. Conduct PMCS, as required.
9. Establish required stand-off distances.
10. Optimize link(s).
11. Conduct network and transmissions systems integration.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

---

**0623-PLAN-2001:** Plan a Troposcatter transmission system

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0623

**GRADES:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, planning tools, and references.

**STANDARD:** Supporting transmissions requirements in accordance with the communication plan.

**PERFORMANCE STEPS:**
1. Identify equipment requirements.
2. Identify required stand-off distances.
3. Conduct link analysis.
4. Incorporate safety considerations.
5. Submit plan for approval.

**REFERENCES:**
1. Expeditionary Energy Strategy
2. MCRP 3-40-3_ Multi-Service Communications Procedures and Tactical Radio Procedures in Joint Environment

3. MCWP 3-40.3 MAGTF Communications System

**10004. 2000-LEVEL EVENTS**

**0623-PLAN-2001:** Plan a Troposcatter transmission system

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0623

**GRADES:** CPL, SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, planning tools, and references.

**STANDARD:** Supporting transmissions requirements in accordance with the communication plan.

**PERFORMANCE STEPS:**
1. Identify equipment requirements.
2. Identify required stand-off distances.
3. Conduct link analysis.
4. Incorporate safety considerations.
5. Submit plan for approval.

**REFERENCES:**
1. Expeditionary Energy Strategy
2. MCRP 3-40-3_ Multi-Service Communications Procedures and Tactical Radio Procedures in Joint Environment
3. MCWP 3-40.3 MAGTF Communications System

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 11

## MOS 0627 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 11

MOS 0627 INDIVIDUAL EVENTS

**11000. PURPOSE.** This chapter details the individual events that pertain to Satellite Communications Operators. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**11001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0627 | Satellite Transmissions System Operator |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| GBS | Global Broadcasting Service |
| OPER | Operate |
| PLAN | Plan |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 1000 | Core Skills |
| 2000 | Core Plus Skills |

**11002. INDEX OF EVENTS**



**11003. 1000-LEVEL EVENTS**

**0627-OPER-1001:** Operate a satellite communications (SATCOM) terminal

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0627

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, equipment, and references.

**STANDARD:** To establish secure satellite communications in accordance with the communications plan

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Install terminal.
3. Coordinate satellite access, as required.
4. Configure system.
5. Install COMSEC.
6. Install antenna.
7. Configure equipment interfaces.
8. Establish secure communications.
9. Troubleshoot satellite terminal, as required.
10. Restore satellite terminal operation, as required.
11. Conduct over the air rekey, as required.
12. Coordinate satellite de-access, as required.
13. Complete shutdown procedures.
14. Perform PMCS, as required.
15. Provide input for the SATCOM after action report, as required.

**REFERENCES:**
1. Applicable technical references
2. Applicable equipment operation manual (OM)
3. EKMS-1 (series) EKMS Policy and Procedures for Navy EKMS Tiers 2 & 3
4. MCO 3500.27_ Operational Risk Management (ORM)
5. MIL-HDBK-419A Grounding, Bonding, and Shielding for Electronic Equipments and Facilities (DEC 1987)

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:**
1. Satellite communication system
2. Test measurement and diagnostic equipment (TMDE)
3. COMSEC equipment.
4. Data transfer device (DTD)
5. Generator set

---

**0627-PLAN-2002:** Determine satellite access request (SAR) requirements

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0627

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents and references.

**STANDARD:** Supporting satellite communications requirements in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Identify terminal type.
2. Identify terminal location.
3. Identify terminal capabilities.
4. Identify keying material requirements.
5. Submit draft SAR to communications planner.

**REFERENCES:**
1. Annex K Operations Order Annex K Command and Control
2. CJCSM 6231.04B Manual for Employing Tactical Communications

## 11004. 2000-LEVEL EVENTS

**0627-GBS-2001:** Operate a Global Broadcast Service (GBS)

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0627

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, equipment, access authorization, and references.

**STANDARD:** Supporting commander's communications requirements and in accordance with equipment technical reference.

**PERFORMANCE STEPS:**
1. Perform PMCS, as required.
2. Maintain equipment.
3. Coordinate service distribution.
4. Operate system.
5. Configure system.
6. Install system.

**REFERENCES:** TM 11132A-OR Global Broadcast Service

---

**0627-PLAN-2002:** Determine satellite access request (SAR) requirements

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0621, 0627

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents and references.

**STANDARD:** Supporting satellite communications requirements in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Identify terminal type.
2. Identify terminal location.
3. Identify terminal capabilities.
4. Identify keying material requirements.
5. Submit draft SAR to communications planner.

**REFERENCES:**
1. Annex K Operations Order Annex K Command and Control
2. CJCSM 6231.04B Manual for Employing Tactical Communications

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 12

## MOS 0629 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 12

MOS 0629 INDIVIDUAL EVENTS

**12000. PURPOSE.** This chapter details the individual events that pertain to Transmissions Chiefs. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**12001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0629 | Transmissions Chief |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| MNGT | Manage |
| PLAN | Planning |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**12002. INDEX OF EVENTS**



**12003. 2000-LEVEL EVENTS**

**0629-MNGT-2001:** Manage transmission operations

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0629

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents and references.

**STANDARD:** Supporting the transmission requirements of the communications plan.

**PERFORMANCE STEPS:**
1. Supervise the employment of personnel.
2. Supervise the accountability of equipment assets.
3. Supervise the employment of communications security.
4. Supervise the employment of transmission systems.
5. Supervise transmission systems logistical re-supply.
6. Manage information security (INFOSEC) procedures.
7. Supervise troubleshooting procedures.
8. Coordinate corrective action.
9. Submit changes for approval.
10. Supervise PMCS performed, as required.
11. Conduct network and transmissions systems integration.
12. Submit after action reports, as required.

**REFERENCES:**
1. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
2. EKMS-1 (series) EKMS Policy and Procedures for Navy EKMS Tiers 2 & 3
3. Expeditionary Energy Strategy
4. MCRP 3-40-3_ Multi-Service Communications Procedures and Tactical Radio Procedures in Joint Environment
5. MCWP 3-40.3 MAGTF Communications System

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**0629-PLAN-2001:** Plan a transmission network

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0629

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, planning tools, and references.

**STANDARD:** Supporting the commander's transmission requirements IAW the communications plan.

**PERFORMANCE STEPS:**
1. Identify requirements.
2. Plan for contingency operations, as required.
3. Conduct site survey.
4. Identify communication node locations.
5. Develop mobile ad-hoc network, as required.
6. Develop communications programming applications.

7. Conduct transmission analysis.
8. Identify systems integration requirements.
9. Develop site layout.
10. Develop radio guard chart, as required.
11. Ensure crew assignment worksheets/cutsheets are created.
12. Submit frequency request, as required.
13. Identify satellite access request requirements, as required.
14. Submit satellite access request, as required.
15. Submit transmissions plan.

**REFERENCES:**
1. Expeditionary Energy Strategy
2. FM 24-18 Tactical Single-Channel Radio Communication Techniques
3. MCRP 3-40-3_ Multi-Service Communications Procedures and Tactical Radio Procedures in Joint Environment
4. MCWP 3-1 Ground Combat Operations
5. MCWP 3-40.3 MAGTF Communications System

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**0629-PLAN-2002:** Develop spectrum requirements

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** Identify spectrum requirements in order to enable command and control.

**MOS PERFORMING:** 0629

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, planning tools, and references.

**STANDARD:** To support the commander's spectrum requirements IAW the communications plan.

**PERFORMANCE STEPS:**
1. Identify spectrum requirements.
2. Analyze spectrum requirements, as required.
3. Identify frequency restriction requirements.
4. Identify local spectrum restrictions.
5. Submit frequency request, as required.
6. Generate the hopset, as required.
7. Submit spectrum requirements.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 13

## MOS 0630 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 13

MOS 0630 INDIVIDUAL EVENTS

**13000. PURPOSE.** This chapter details the individual events that pertain to Network Engineering Officers. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**13001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the MOS. This chapter contains the following MOS codes:

| Code | Description |
|---|---|
| 0630 | Network Engineering Officer |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| ENGR | Engineer |
| NET | Network |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**13002. INDEX OF EVENTS**



**13003. 2000-LEVEL EVENTS**

**0630-ENGR-2001:** Engineer network architecture

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0610

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To design, build, configure, and secure, the network in support of the communications plan.

**PERFORMANCE STEPS:**
1. Identify requirements.
2. Coordinate network architecture, as required.
3. Engineer security boundary.
4. Manage Internet Protocol address allocations.
5. Engineer Wide Area Network architecture.
6. Engineer Local Area Network architecture.
7. Engineer network encryption plan.
8. Engineer solutions for public key enablement, as required.
9. Develop change management procedures.
10. Engineer network monitoring plan.
11. Develop privileged access control plan.
12. Provide input to accreditation process.
13. Draft Gateway Access Request.
14. Submit Gateway Access Request.
15. Create Tabs and Appendices of the Annex K, as required.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0630-ENGR-2002:** Optimize network architecture

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0610

**GRADES:** WO-1, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To operate, maintain, and sustain the network in support of the communications plan.

**PERFORMANCE STEPS:**
1. Validate network architecture was implemented as engineered.
2. Verify compliance with security guidelines.
3. Assess network quality of service.
4. Provide network optimization solutions.
5. Provide solutions for threat mitigation.

6. Validate license management.
7. Oversee change management procedures.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0630-NET-2001:** Manage an installation office

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** An installation telecommunications office provides Department of Defense information networks (DODIN) access, Defense Switching Network (DSN), DoD-specific voice and video teleconferencing services, and commercial telecommunications services to a base, post, or station.

**MOS PERFORMING:** 0610

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** In accordance with the base/post/station/region architecture.

**PERFORMANCE STEPS:**
1. Review existing network architecture.
2. Establish Inside Plant SOP.
3. Establish Outside Plant SOP.
4. Manage personnel.
5. Account for equipment.
6. Manage equipment maintenance.
7. Identify training deficiencies.
8. Ensure completion of mission-specific individual qualification requirements.
9. Conduct training.
10. Conduct project management.

**REFERENCES:**
1. BICSI Outside Plant Design Reference Manual, 5th Edition, ISBN 1-928886-57-0
2. CJCSI 6211.02_ Defense Information Systems Network (DISN) Responsibilities
3. DoD Unified Capabilities Requirements 2013
4. ISBN 1-928886-64-7 Distribution Methods Manual, 13th Edition
5. MCO 2305.13 Unofficial Telephone Service at Department of Defense Activities
6. OPNAV 2060.8 Management and Business Administration of Department of Defense (DOD) Telephone Systems and Base Telecommunications Services within the Department of the Navy
7. UFC 3-580-01 Telecommunications Building Cabling Systems Planning and Design

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 14

MOS 0631 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 14

MOS 0631 INDIVIDUAL EVENTS

**14000. PURPOSE.** This chapter details the individual events that pertain to Network Administrators. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**14001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the MOS. This chapter contains the following MOS codes:

| Code | Description |
|---|---|
| 0631 | Network Administrator |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| INST | Install |
| OPER | Operate |
| MNGT | Manage |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 1000 | Core Skills |
| 2000 | Core Plus Skills |

**14002. INDEX OF EVENTS**



**14003. 1000-LEVEL EVENTS**

**0631-MNGT-2001:** Supervise network infrastructure

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0612

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To operate, maintain, and sustain the network in support of the communications plan.

**PERFORMANCE STEPS:**
1. Inspect cable management.
2. Operate wide area network devices.
3. Validate configuration of wide area network devices, as required.
4. Verify network connectivity to the gateway service provider.
5. Operate local area network devices.
6. Validate configuration of local area network devices, as required.
7. Implement network optimization.
8. Conduct network and data systems integration.
9. Conduct network and transmission systems integration.
10. Monitor the network with authorized tools.
11. Monitor network security.
12. Audit backup procedures.
13. Troubleshoot network outages, as required.
14. Comply with network restoration procedures.
15. Comply with change management procedures.
16. Update network diagrams, as required.
17. Inspect PMCS, as required.

**REFERENCES:**
1. MCO 3500.27_ Operational Risk Management (ORM)
2. O&T STE User Manual 2.0
3. OMNI User Manual Release 3.0
4. TC 24-20 Tactical Wire and Cable Techniques
5. TIA/EIA Telecommunications Industry Association/Electronics Industry Association 568 wiring standard
6. TM 08789B-12 Digital Non-secure Voice Terminal TA-1042
7. TM 11-5805-201-12 Operational Manual, TA-312/PT
8. TM 11-5805-243-13 Telephone Set TA-1/PT
9. TM 11-5805-693-12P Telephone Set TA-938A/G
10. TM 11-5810-329-10 Digital Subscriber Voice Terminal TSEC/KY-68

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:** 1. Tools 2. Cable/wire 3. Telephony swithing equipment 4. Telephone set 5. Power source

**MATERIAL:** 1. Cable route map 2. Cut sheets 3. Operational Risk Assessment Worksheet (ORAW)

**14004. 2000-LEVEL EVENTS**

**0631-MNGT-2001:** Supervise network infrastructure

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0612

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To operate, maintain, and sustain the network in support of the communications plan.

**PERFORMANCE STEPS:**
1. Inspect cable management.
2. Operate wide area network devices.
3. Validate configuration of wide area network devices, as required.
4. Verify network connectivity to the gateway service provider.
5. Operate local area network devices.
6. Validate configuration of local area network devices, as required.
7. Implement network optimization.
8. Conduct network and data systems integration.
9. Conduct network and transmission systems integration.
10. Monitor the network with authorized tools.
11. Monitor network security.
12. Audit backup procedures.
13. Troubleshoot network outages, as required.
14. Comply with network restoration procedures.
15. Comply with change management procedures.
16. Update network diagrams, as required.
17. Inspect PMCS, as required.

**REFERENCES:**
1. MCO 3500.27_ Operational Risk Management (ORM)
2. O&T STE User Manual 2.0
3. OMNI User Manual Release 3.0
4. TC 24-20 Tactical Wire and Cable Techniques
5. TIA/EIA Telecommunications Industry Association/Electronics Industry Association 568 wiring standard
6. TM 08789B-12 Digital Non-secure Voice Terminal TA-1042
7. TM 11-5805-201-12 Operational Manual, TA-312/PT
8. TM 11-5805-243-13 Telephone Set TA-1/PT
9. TM 11-5805-693-12P Telephone Set TA-938A/G
10. TM 11-5810-329-10 Digital Subscriber Voice Terminal TSEC/KY-68

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:** 1. Tools 2. Cable/wire 3. Telephony swithing equipment 4. Telephone set 5. Power source

**MATERIAL:** 1. Cable route map 2. Cut sheets 3. Operational Risk Assessment Worksheet (ORAW)

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 15

MOS 0633 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 15

MOS 0633 INDIVIDUAL EVENTS

**15000. PURPOSE.** This chapter details the individual events that pertain to Network Transport Technicians. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**15001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the MOS. This chapter contains the following MOS codes:

| Code | Description |
|---|---|
| 0633 | Network Transport Technician |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| INST | Install |
| MANT | Maintenance |
| MNGT | Manage |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**15002. INDEX OF EVENTS**

**15003. 2000-LEVEL EVENTS**

**0633-INST-2001**: Install aerial communications cable

**EVALUATION-CODED**: NO **SUSTAINMENT INTERVAL**: 12 months

**MOS PERFORMING**: 0613

**GRADES**: PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING**: FORMAL

**CONDITION**: Provided tools, equipment, materials, existing aerial span, a given height requirement, and references.

**STANDARD**: At the required height to establish connectivity between end points.

**PERFORMANCE STEPS**:
1. Ascend to installation location.
2. Lay cable.
3. Prepare lashing machine, as required.
4. Lash cable to existing span.
5. Descend from installation location.

**REFERENCES**:
1. FM 11-372-2 Outside Plant Cable Placement
2. MCO 3500.27_ Operational Risk Management (ORM)

**SUPPORT REQUIREMENTS**:

**EQUIPMENT**:
1. Lashing machine
2. Existing aerial span
3. PPE
4. Equipment lifting capability

---

**0633-INST-2002**: Perform individual roles of direct-buried communications cable installation

**EVALUATION-CODED**: NO **SUSTAINMENT INTERVAL**: 6 months

**MOS PERFORMING**: 0613

**GRADES**: PVT, PFC, CPL, SGT, SSGT

**INITIAL TRAINING SETTING**: FORMAL

**CONDITION**: Provided tools, ditching equipment, materials, and reference.

**STANDARD**: Establishing connectivity between end points and to a depth required by the cabling plan.

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Select a cable route.
3. Prepare trenching equipment.
4. Determine correct digging depth.
5. Prepare cable.
6. Dig trench.
7. Lay cable in trench.
8. Fill trench.
9. Label cable.

**REFERENCES:**
1. FM 11-372-2 Outside Plant Cable Placement
2. MCO 3500.27_ Operational Risk Management (ORM)

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:**
1. Trenching equipment
2. Cable for burying
3. Labeling equipment
4. PPE
5. Equipment lifting capability

---

**0633-INST-2003:** Perform individual roles of pole line system installation

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0613

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided required tools, materials, equipment, and references.

**STANDARD:** Extending cable infrastructure and without damage to equipment or injury to personnel.

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Prepare pole truck.
3. Auger hole.
4. Prepare pole.
5. Install pole.
6. Install messenger.
7. Label pole.

**REFERENCES:**
1. Applicable technical references
2. FM 11-372-2 Outside Plant Cable Placement
3. FM 24-20 Tactical Wire and Cable Techniques
4. MCO 3500.27_ Operational Risk Management (ORM)

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:**
1. PPE
2. Pole truck
3. Chain saw
4. Shovels
5. Packing rod
6. Mounting hardware
7. Guide wire
8. Pole sling
9. Messenger and mounting hardware
10. Labeling material
11. Equipment lifting capability
12. Pole climbing equipment

---

**0633-INST-2004:** Operate trenching equipment

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0613

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided tools, equipment, and references.

**STANDARD:** In accordance with the equipment, operation manual and without damage to equipment or injury to personnel.

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Configure as required.
3. Conduct operational check.
4. Dig trench.
5. Fill trench.

**REFERENCES:**
1. Applicable technical references
2. MCO 3500.27_ Operational Risk Management (ORM)

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**0633-MANT-2001:** Perform commercial cable systems corrective maintenance

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0613

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION**: Provided faulty cable, references, test, measurement, and diagnostic equipment (TMDE), materials, and tools.

**STANDARD**: Restoring connectivity between end points.

**PERFORMANCE STEPS**:
1. Identify safety hazards and personal protective equipment (PPE).
2. Identify cable type.
3. Identify cable fault.
4. Troubleshoot cable fault.
5. Repair cable fault.
6. Conduct operational check.
7. Document maintenance.

**REFERENCES**:
1. Applicable technical references
2. MCO 3500.27_ Operational Risk Management (ORM)
3. TM 4700-15/1_ Ground Equipment Record Procedures

**SUPPORT REQUIREMENTS**:

**EQUIPMENT**:
1. PPE
2. TMDE
3. Cable splicing equipment
4. Spare cable
5. Cable splicing materials

---

**0633-MNGT-2001**: Supervise aerial communications cable installation

**EVALUATION-CODED**: NO **SUSTAINMENT INTERVAL**: 12 months

**MOS PERFORMING**: 0613

**GRADES**: CPL, SGT, SSGT

**INITIAL TRAINING SETTING**: MOJT

**CONDITION**: Provided cable plan, personnel, tools, equipment, and references.

**STANDARD**: To ensure cable installation is conducted In accordance with the cabling plan.

**PERFORMANCE STEPS**:
1. Identify safety hazards and personal protective equipment (PPE).
2. Allocate required equipment.
3. Assign required personnel.
4. Supervise project.
5. Conduct quality control inspection.

**REFERENCES**:
1. FM 11-372-2 Outside Plant Cable Placement
2. FM 24-20 Tactical Wire and Cable Techniques
3. MCO 3500.27_ Operational Risk Management (ORM)

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:** 1. Cable plan

COMMUNICATIONS TRAINING AND READINESS MANUAL

# CHAPTER 16

# MOS 0639 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 16

MOS 0639 INDIVIDUAL EVENTS

**16000. PURPOSE.** This chapter details the individual events that pertain to Network Chiefs. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**16001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the MOS. This chapter contains the following MOS codes:

| Code | Description |
|---|---|
| 0639 | Network Chief |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| PLAN | Planning |
| MNGT | Manage |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**16002. INDEX OF EVENTS**



**16003. 2000-LEVEL EVENTS**

**0639-MNGT-2001:** Manage network infrastructure

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0619

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To build, configure, secure, operate, maintain, and sustain the network in support of the communications plan.

**PERFORMANCE STEPS:**
1. Inspect cable management.
2. Monitor wide area network devices.
3. Validate configuration of wide area network devices, as required.
4. Verify network connectivity to the gateway service provider.
5. Monitor local area network devices.
6. Validate configuration of local area network devices, as required.
7. Implement network optimization.
8. Conduct network and data systems integration.
9. Conduct network and transmission systems integration.
10. Monitor the network with authorized tools.
11. Monitor network security.
12. Audit backup procedures.
13. Manage network outages, as required.
14. Comply with network restoration procedures.
15. Comply with change management procedures.
16. Update network diagrams, as required.
17. Inspect PMCS, as required.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0639-PLAN-2001:** Plan a network infrastructure

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0619

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To build, configure, secure, operate, maintain, and sustain the network in support of the communications plan

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Identify requirements.
3. Conduct site survey.
4. Develop site layout.
5. Develop site sustainment plan.

6. Plan logistical re-supply.
7. Ensure crew assignment worksheets/cutsheets are created.
8. Develop network integration plan.
9. Determine installation priority.
10. Determine restoration priorities.
11. Manage internet protocol address allocations.
12. Develop cable plan.
13. Develop network diagram, as required.
14. Submit network diagrams, as required.
15. Provide input into the gateway access request.
16. Submit gateway access request.

**REFERENCES:**

1. BICSI Outside Plant Design Reference Manual, 5th Edition, ISBN 1-928886-57-0
2. CX-13295/G (300m) and CX-13295/G (1000m) Operator's Manual
3. FM 11-372-2 Outside Plant Cable Placement
4. ISBN 1-928886-64-7 Distribution Methods Manual, 13th Edition
5. MCO 3500.27_ Operational Risk Management (ORM)
6. MCWP 3-40.3 MAGTF Communications System
7. TC 24-20 Tactical Wire and Cable Techniques
8. TIA/EIA Telecommunications Industry Association/Electronics Industry Association 568 wiring standard
9. UFC 3-580-01 Telecommunications Building Cabling Systems Planning and Design

COMMUNICATIONS TRAINING AND READINESS MANUAL

# CHAPTER 17

# MOS 0640 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 17

MOS 0640 INDIVIDUAL EVENTS

**17000. PURPOSE.** This chapter details the individual events that pertain to Strategic Electromagnetic Spectrum Officers. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**17001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0640 | Strategic Electromagnetic Spectrum Officer |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| ENGR | Engineer |
| MNGT | Manage |
| PLAN | Plan |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**17002. INDEX OF EVENTS**

| Event Code | Event | Page |
|---|---|---|
| **2000 Level Events** | | |
| 0640-ENGR-2001 | Engineer Electromagnetic Spectrum Operations Plan | 17-2 |
| 0640-MNGT-2001 | Manage Electromagnetic Spectrum Operations Plan | 17-3 |
| 0640-MNGT-2002 | Supervise the mitigation of electromagnetic interference | 17-4 |
| 0640-PLAN-2003 | Coordinate spectrum supportability and certification | 17-4 |

**17003. 2000-LEVEL EVENTS**

**0640-ENGR-2001:** Engineer Electromagnetic Spectrum Operations Plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0640

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided with standard automated tools, and spectrum requirements.

**STANDARD:** To support MAGTF, MARFOR, or Joint spectrum operations.

**PERFORMANCE STEPS:**
1. Define Command specific policy and guidance.
2. Gather requirements.
3. Develop Electromagnetic Spectrum requirements summary.
4. Define Electromagnetic Operational Environment.
5. Obtain Electromagnetic Spectrum resources.
6. Coordinate Electromagnetic Spectrum Operations restricted frequency list priorities.
7. Coordinate de-confliction of the Electromagnetic Spectrum in support of the Electromagnetic Spectrum Operations plan.
8. Interpret policies to support Electromagnetic Spectrum Operations.

**REFERENCES:** CJCSM 3320.01_ Joint Operations in the Electromagnetic Battlespace

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**0640-MNGT-2001:** Manage Electromagnetic Spectrum Operations Plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0640

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided a frequency request or request for spectrum supportability or spectrum summary plan.

**STANDARD:** Ensuring coordination, prioritization and de-confliction of spectrum use is completed without causing or suffering unacceptable interference.

**PERFORMANCE STEPS:**
1. Identify spectrum certification and/or host nation coordination status.
2. Verify spectrum certification and/or host nation coordination status
3. Develop the electromagnetic spectrum requirements summary used to quantify the frequencies and bandwidths.
4. Coordinate with appropriate acquisition, Service and Joint level spectrum management agencies.
5. Define Electromagnetic Operating Environment requirements.

6. Characterize Electromagnetic Operating Environment requirements.
7. Integrate Electromagnetic Operating Environment requirements.
8. Manage electromagnetic spectrum databases.
9. Submit updates as necessary.

**REFERENCES:** CJCSM 3320.01_ Joint Operations in the Electromagnetic Battlespace

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**0640-MNGT-2002:** Supervise the mitigation of electromagnetic interference

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0640

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided the details of an electromagnetic interference event.

**STANDARD:** To detect, report, analyze, and resolve persistent and recurring non-hostile EMI incidents affecting DOD systems.

**PERFORMANCE STEPS:**
1. Ensure the victim and co-located systems are operating in accordance with their authorized frequency assignments.
2. Analyze appropriate spectrum management databases to identify potential sources of interference.
3. Deconflict victim systems with the electromagnetic spectrum operating environment.
4. Submit interference reports.
5. Coordinate mitigation efforts to resolve effects to electromagnetic interference victim systems.

**REFERENCES:** CJCSM 3320.01_ Joint Operations in the Electromagnetic Battlespace

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**0640-PLAN-2003:** Coordinate spectrum supportability and certification

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0640

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided a frequency request or request for spectrum supportability.

**STANDARD:** Ensuring equipment supportability and certification has been completed prior to operation of the system.

**PERFORMANCE STEPS:**

1. Identify spectrum certification and/or host nation coordination status.
2. Verify spectrum certification and/or host nation coordination status.
3. Coordinate with appropriate acquisition, Service and Joint level spectrum management agencies.
4. Ensure appropriate spectrum management databases are updated.
5. Submit updates as necessary.
6. Manage electromagnetic spectrum usage.

**REFERENCES:** CJCSM 3320.01_ Joint Operations in the Electromagnetic Battlespace

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 18

## MOS 0648 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 18

MOS 0648 INDIVIDUAL EVENTS

**18000. PURPOSE.** This chapter details the individual events that pertain to Spectrum Managers. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**18001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0648 | Spectrum Manager |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| MGNT | Manage |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**18002. INDEX OF EVENTS**

| Event Code | Event | Page |
|---|---|---|
| **2000 Level Events** | | |
| 0648-MNGT-2001 | Manage spectrum Operations | 18-2 |

**18003. 2000-LEVEL EVENTS**

**0648-MNGT-2001:** Manage spectrum Operations

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0648

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided commander's guidance, planning document, and references.

**STANDARD:** To support spectrum requirements IAW the communications plan.

**PERFORMANCE STEPS:**
1. Conduct spectrum analysis.
2. Determine electromagnetic spectrum requirements.
3. Manage spectrum certification.
4. Identify host nation requirements.
5. Maintain electromagnetic spectrum management databases.
6. Conduct electromagnetic spectrum interference resolution.
7. Develop the restricted frequency list (RFL).
8. Develop the Master Net List (MNL).
9. Generate frequency requests.
10. Submit and coordinate frequency requests.
11. Obtain approved frequency assignments.
12. Obtain the hopset resources.
13. Publish approved JCEOI and hopset resources.
14. Develop the communication-electronics operating instructions (CEOI).
15. Write a spectrum management appendix to Annex K.
16. Submit reports, as required.

**REFERENCES:**
1. ACP 190 Guide to Spectrum Management in Military Operation
2. CJCSI 3320.01_ Electromagnetic Spectrum Use In Joint Military Operations
3. CJCSI 3320.03 Joint Communications Electronic Operating Instructions
4. CJCSM 3320.01_ Joint Operations in the Electromagnetic Battlespace
5. DoD Guide DoD Frequency Assignment and Equipment Spectrum Certification Security Guide
6. MCO 2400.2_ USMC Management of Radio Frequency Spectrum
7. MCWP 3-40.3 MAGTF Communications System

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 19

## MOS 0670 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 19

MOS 0670 INDIVIDUAL EVENTS

**19000. PURPOSE.** This chapter details the individual events that pertain to Data Systems Engineering Officer. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**19001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0670 | Data Systems Engineering Officer |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| ENGR | Engineer |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**19002. INDEX OF EVENTS**



**19003. 2000-LEVEL EVENTS**

**0670-ENGR-2001:** Engineer data systems architecture

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0650

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To design, build, configure, and secure data systems in support of the communications plan.

**PERFORMANCE STEPS:**
1. Identify requirements.
2. Coordinate data systems architecture, as required.
3. Engineer the storage architecture.
4. Engineer the virtualization architecture.
5. Engineer the Network Operating System (NOS) architecture.
6. Engineer the messaging architecture.
7. Engineer the voice architecture.
8. Engineer unified communications solutions.
9. Engineer solutions for data systems software applications.
10. Engineer systems security plan.
11. Engineer systems monitoring plan.
12. Develop privileged access control plan.
13. Engineer solutions for public key enablement, as required.
14. Develop change management procedures.
15. Provide input to the Gateway Access Request (GAR).
16. Provide input to Certification and Accreditation (C&A) documentation.
17. Create Tabs and Appendices of the Annex K, as required.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0670-ENGR-2002:** Optimize data systems architecture

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0650

**GRADES:** WO-1, CWO-2, CWO-3, CWO-4, CWO-5

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To operate, maintain, and sustain data systems in support of the communications plan.

**PERFORMANCE STEPS:**
1. Validate data systems architecture was implemented as engineered.
2. Ensure compliance with security guidelines.
3. Analyze data systems performance.
4. Provide data systems optimization solutions.
5. Provide solutions for threat mitigation.

6. Validate license management.
7. Oversee change management procedures.

**REFERENCES:**

1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 20

MOS 0671 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 20

MOS 0671 INDIVIDUAL EVENTS

**20000. PURPOSE.** This chapter details the individual events that pertain to Data Systems Administrators. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**20001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0671 | Data Systems Administrator |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| INST | Install |
| MNGT | Manage |
| OPER | Operate |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 1000 | Core Skills |

**20002. INDEX OF EVENTS**



**20003. 1000-LEVEL EVENTS**

**0671-INST-1001:** Install data systems

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0651

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To build, configure, and secure data systems in support of the communications plan.

**PERFORMANCE STEPS:**
1. Install storage devices.
2. Configure storage devices.
3. Install backup solution.
4. Configure backup solution.
5. Install virtualization architecture.
6. Configure virtual environment.
7. Install operating systems.
8. Configure operating systems.
9. Install messaging services.
10. Configure messaging.
11. Install voice services.
12. Configure voice services.
13. Install data system software applications.
14. Configure software applications.
15. Implement security controls.
16. Install management tools.
17. Install monitoring tools.
18. Update diagrams, as required.
19. Perform PMCS, as required.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0671-OPER-1001:** Maintain data systems

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0651

**GRADES:** PVT, PFC, LCPL, CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To operate, maintain, and sustain data systems in support of the communications plan.

**PERFORMANCE STEPS:**
1. Conduct cable management.

2. Manage storage devices.
3. Maintain virtual environment.
4. Maintain operating systems.
5. Maintain messaging services.
6. Maintain voice services.
7. Maintain data system software applications.
8. Maintain security controls.
9. Employ management tools.
10. Employ monitoring tools.
11. Update systems configurations, as required.
12. Implement backup procedures.
13. Troubleshoot outages, as required.
14. Comply with data systems restoration procedures.
15. Comply with change management procedures.
16. Update diagrams, as required.
17. Perform PMCS, as required.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

**20004. 2000-LEVEL EVENTS**

**0671-MNGT-2001:** Supervise data systems

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0651

**GRADES:** CPL, SGT, SSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To operate, maintain, and sustain data systems in support of the communications plan.

**PERFORMANCE STEPS:**
1. Inspect cable management.
2. Manage storage devices.
3. Maintain virtual environment.
4. Maintain operating systems.
5. Maintain messaging services.
6. Maintain voice services.
7. Integrate network and data system software applications.
8. Validate configuration of system devices.
9. Verify security controls.
10. Monitor security controls.
11. Monitor system performance.
12. Optimize system performance.
13. Update systems configurations, as required.
14. Audit backup procedures.
15. Troubleshoot outages, as required.
16. Comply with data systems restoration procedures.

17. Comply with change management procedures.
18. Update diagrams, as required.
19. Inspect PMCS, as required.

**REFERENCES:**

1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 21

## MOS 0673 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 21

MOS 0673 INDIVIDUAL EVENTS

**21000. PURPOSE.**
This chapter details the individual events that pertain to Applications Developer. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**21001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0673 | Applications Developer |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| DSGN | Design |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**21002. INDEX OF EVENTS**



**21003. 2000-LEVEL EVENTS**

**0673-DSGN-2001:** Develop Applications

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**DESCRIPTION:** Application Developers create command and control information solutions by developing, implementing and maintaining approved applications.

**GRADES:** SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided command and control requirements, a communication plan, tools, and references.

**STANDARD:** To enhance the commanders information exchange requirements.

**PERFORMANCE STEPS:**
1. Analyze requirements.
2. Identify approved methodologies and tool sets.
3. Develop intranet applications.
4. Develop mobile applications.
5. Integrate applications.
6. Develop database integration methodologies.
7. Develop dashboard technologies.
8. Implementation
9. Conduct post-development evaluations to determine performance and effectiveness.
10. Maintain developed applications.
11. Troubleshoot application issues.
12. Document findings.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 22

## MOS 0679 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 22

MOS 0679 INDIVIDUAL EVENTS

**22000. PURPOSE.** This chapter details the individual events that pertain to Data Systems Chiefs. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**22001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0679 | Data Systems Chief |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| MNGT | Manage |
| PLAN | Planning |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**22002. INDEX OF EVENTS**



**22003. 2000-LEVEL EVENTS**

**0679-MNGT-2001:** Manage data systems

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0659

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To build, configure, secure, operate, maintain, and sustain data systems in support of the communications plan.

**PERFORMANCE STEPS:**
1. Inspect cable management.
2. Manage storage devices.
3. Manage virtual environment.
4. Manage operating systems.
5. Manage messaging services.
6. Manage voice services.
7. Integrate network and data system software applications.
8. Validate configuration of system devices.
9. Verify security controls.
10. Monitor security controls.
11. Monitor system performance.
12. Optimize system performance.
13. Validate systems configurations, as required.
14. Audit backup procedures.
15. Manage outages, as required.
16. Comply with data systems restoration procedures.
17. Comply with change management procedures.
18. Update diagrams, as required.
19. Inspect PMCS, as required.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0679-PLAN-2001:** Plan data systems

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0659

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** To build, configure, secure, operate, maintain, and sustain data systems in support of the communications plan.

**PERFORMANCE STEPS:**
1. Identify safety hazards and personal protective equipment (PPE).
2. Identify requirements.
3. Conduct site survey.

4. Develop site layout.
5. Develop site sustainment plan.
6. Plan logistical re-supply.
7. Develop data systems integration plan.
8. Develop ancillary plans, as required.
9. Manage internet protocol address allocations.
10. Develop data systems diagrams, as required.
11. Submit diagrams, as required.
12. Provide input into the gateway access request.
13. Provide input to certification/accreditation documentation.
14. Ensure crew assignment worksheets/cutsheets are created.
15. Determine installation priority.
16. Determine restoration priorities.

**REFERENCES:**

1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 23

## MOS 0681 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 23

MOS 0681 INDIVIDUAL EVENTS

**23000. PURPOSE.** This chapter details the individual events that pertain to Information Security Technicians. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**23001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0681 | Information Security Technician |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| CMSC | Communications Security |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**23002. INDEX OF EVENTS**



**23003. 2000-LEVEL EVENTS**

**0681-CMSC-2001:** Manage Communication Security (COMSEC) account

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0681

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a Key Management Infrastructure (KMI) account and references.

**STANDARD:** To maintain 100% accountability of COMSEC material.

**PERFORMANCE STEPS:**
1. Receipt for, transfer, and destroy all COMSEC material.
2. Conduct semi-annual self-assessment.
3. Conduct semi-annual inventories.
4. Reconcile discrepancies.
5. Maintain account with the Defense Courier Division.
6. Maintain Command Authority User Representative.
7. Maintain firmware, IAVA updates, backups, and archives.
8. Maintain COMSEC library.
9. Maintain the COMSEC Emergency Action Plan/Destruction plan.
10. Verify all personnel are familiar with COMSEC Incidents and reporting requirements.
11. Verify all personnel that fill the required roles are properly trained/certified.
12. Conduct annual re-verification of personnel.
13. Conduct annual re-verification/recertification of devices.
14. Report compliance of required tasks to leadership.

**REFERENCES:**
1. EKMS-1 (series) EKMS Policy and Procedures for Navy EKMS Tiers 2 & 3
2. MCO 2281.1_ Electronic Key Management System (EKMS) Policy

**SUPPORT REQUIREMENTS:**

**EQUIPMENT:** 1. KMI suite

---

**0681-CMSC-2002:** Support Local Element (LE) Communications Security (COMSEC) Operations

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0681

**GRADES:** SSGT, GYSGT, MSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a commands mission, a Local Element, and COMSEC Material and references.

**STANDARD:** To setup, train, advise COMSEC Personnel.

**PERFORMANCE STEPS:**
1. Develop COMSEC standard operating procedures.
2. Provide COMSEC training to users.
3. Validate keying material that meets mission requirements.
4. Verify physical security of COMSEC material, as required.
5. Verify authorized access and need to know.
6. Conduct monthly LE spot checks.
7. Verify LE inventorying requirements are met.
8. Verify the transfer, receipt and destruction of COMSEC material.
9. Provide applicable operational security doctrine (OSD) to LE personnel.
10. Verify LE COMSEC Emergency Action Plan/Emergency Destruction Plan requirements are met.
11. Verify LE's are trained in identifying COMSEC insecurities.

**REFERENCES:**
1. EKMS-1 (series) EKMS Policy and Procedures for Navy EKMS Tiers 2 & 3
2. MCO 2281.1_ Electronic Key Management System (EKMS) Policy

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**0681-CMSC-2003:** Conduct Communication Security (COMSEC) audit

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0681

**GRADES:** GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Provided a COMSEC account and a certified central office of record (COR) Auditor.

**STANDARD:** To ensure COMSEC accounts are in compliance with policy.

**PERFORMANCE STEPS:**
1. Conduct in-brief with commander.
2. Conduct audit of communication security account and local elements.
3. Review physical security evaluation (PSE) and validate COMSEC material holdings.
4. Conduct out-brief with commander.
5. Report audit results IAW Service Authority policy.

**REFERENCES:**
1. EKMS-1 (series) EKMS Policy and Procedures for Navy EKMS Tiers 2 & 3
2. EKMS-3 (series) EKMS Inspection Manual
3. MCO 2281.1_ Electronic Key Management System (EKMS) Policy

**MISCELLANEOUS:**

**SPECIAL PERSONNEL CERTS:** Requires certification from the U.S. Navy/Department of the Navy.

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**0681-CMSC-2004:** Provide administrative oversight of all (COMSEC) matters

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 24 months

**MOS PERFORMING:** 0681

**GRADES:** GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** MOJT

**CONDITION:** Given a 0681 in an ISIC billet.

**STANDARD:** To ensure compliance with Communication Security (COMSEC) governing policies and procedures.

**PERFORMANCE STEPS:**
1. Validate the operational requirement.
2. Validate COMSEC keying material.
3. Validate COR audits.
4. Report results to service authority.
5. Conduct corrective actions, as required.
6. Review and take action on all COMSEC related message traffic.
7. Verify commands are compliant with all COMSEC related policies.
8. Provide quarterly training to the Commanding Officers and COMSEC Managers.
9. Review, validate, and submit Command Authority documentation to the National Security Agency Central Facility.
10. Advise leadership on all COMSEC incidents, policies, and procedures.

**REFERENCES:**
1. EKMS-1 (series) EKMS Policy and Procedures for Navy EKMS Tiers 2 & 3
2. EKMS-3 (series) EKMS Inspection Manual
3. MCO 2281.1_ Electronic Key Management System (EKMS) Policy

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 24

## MOS 0688 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 24

MOS 0688 INDIVIDUAL EVENTS

**24000. PURPOSE.** This chapter details the individual events that pertain to Cybersecurity Technicians. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**24001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0688 | Cybersecurity Technician |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| CYSN | Cybersecurity |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**24002. INDEX OF EVENTS**



**24003. 2000-LEVEL EVENTS**

**0688-CYBS-2001:** Implement a cybersecurity program

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0688

**GRADES:** SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, equipment, references, and a communications network.

**STANDARD:** To ensure confidentiality, integrity, and availability of data systems and networks.

**PERFORMANCE STEPS:**
1. Coordinate with subordinate, adjacent, and higher organizations on current cyber security requirements.
2. Disseminate applicable cyber security documentation.
3. Coordinate implementation of cyber security requirements.
4. Validate installation, operation, and configuration of cyber security controls.
5. Advise leadership on cyber security matters.
6. Report violations of cyber security policies.
7. Coordinate response actions to ensure compliance with cyber security policy.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

---

**0688-CYBS-2002:** Conduct a cybersecurity assessment

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0688

**GRADES:** SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided cybersecurity policies, procedures, and standards.

**STANDARD:** To ensure cybersecurity controls provide confidentiality, integrity, and availability for data systems and networks.

**PERFORMANCE STEPS:**
1. Perform document review.
2. Identify applicable risk controls.
3. Perform personnel interviews.
4. Conduct penetration testing, as required.
5. Employ assessment tools.
6. Analyze assessment results.
7. Report assessment results.
8. Submit risk analysis report.
9. Provide remediation plan.

**REFERENCES:**

1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

---

**0688-CYBS-2003**: Conduct incident handling

**EVALUATION-CODED**: NO **SUSTAINMENT INTERVAL**: 6 months

**MOS PERFORMING**: 0688

**GRADES**: SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING**: FORMAL

**CONDITION**: Provided cyber security policies, procedures, standards, and a communications network.

**STANDARD**: To report incidents on data systems and networks within established time lines.

**PERFORMANCE STEPS**:
1. Collect intrusion artifacts.
2. Analyze intrusion artifacts.
3. Coordinate incident mitigation.
4. Document incidents from detection to resolution.
5. Submit report.

**REFERENCES**:
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

---

**0688-CYBS-2004**: Implement a Defensive Cybersecurity Operations program

**EVALUATION-CODED**: NO **SUSTAINMENT INTERVAL**: 6 months

**MOS PERFORMING**: 0688

**GRADES**: SGT, SSGT, GYSGT

**INITIAL TRAINING SETTING**: FORMAL

**CONDITION**: Provided planning documents, equipment, references, and a communications network.

**STANDARD**: To ensure confidentiality, integrity, and availability of data systems and networks.

**PERFORMANCE STEPS**:
1. Conduct event auditing.
2. Conduct asset identification.
3. Coordinate implementation of baseline configurations.
4. Conduct monitoring of all network and data system sensors.
5. Conduct event correlation and trend analysis.
6. Implement corrective actions to prevent and mitigate intrusion.

7. Audit mitigation action effectiveness.
8. Validate cyber security controls on critical infrastructure.
9. Conduct Defensive cyber operation response actions.
10. Provide information for Cyber Effect Request Form (CERF).

**REFERENCES:**

1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 25

## MOS 0689 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 25

MOS 0689 INDIVIDUAL EVENTS

**25000. PURPOSE.** This chapter details the individual events that pertain to Cybersecurity Chiefs. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**25001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0689 | Cybersecurity Chief |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| MGNT | Manage |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**25002. INDEX OF EVENTS**



**25003. 2000-LEVEL EVENTS**

**0689-MNGT-2001:** Manage a cybersecurity assessment

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0689

**GRADES:** GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided cybersecurity policies, procedures, personnel and equipment.

**STANDARD:** To ensure cybersecurity controls provide confidentiality, integrity, and availability for data systems and networks.

**PERFORMANCE STEPS:**
1. Identify applicable cybersecurity policies.
2. Develop risk management strategy.
3. Develop assessment scope.
4. Develop assessment objectives.
5. Determine assessment tools.
6. Create assessment plan(s).
7. Obtain assessment approval.
8. Publish assessment plan.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

---

**0689-MNGT-2002:** Manage incident handling

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0689

**GRADES:** GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided cybersecurity policies, procedures, personnel, equipment, and a communications network.

**STANDARD:** To report incidents on data systems and networks within established time lines.

**PERFORMANCE STEPS:**
1. Develop incident response plan.
2. Coordinate incident management reporting.
3. Manage collection of intrusion artifacts.
4. Coordinate analysis of intrusion data.
5. Correlate incident data.
6. Conduct trend analysis.
7. Coordinate with intelligence analysts.
8. Publish guidance and documents on incident findings.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0689-MNGT-2003:** Manage Defensive cybersecurity Operations program

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0689

**GRADES:** GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, personnel, equipment, references, and a communications network.

**STANDARD:** To ensure confidentiality, integrity, and availability of data systems and networks

**PERFORMANCE STEPS:**
1. Develop event audit plan.
2. Develop asset identification plan.
3. Identify configuration baseline.
4. Develop monitoring plan.
5. Develop intrusion mitigation strategies.
6. Report mitigation effectiveness.
7. Coordinate change management.
8. Advise leadership on escalation criteria and events.
9. Coordinate Cyber Effect Request Form (CERF) development, submittal, and execution.
10. Coordinate cyber security operational readiness.
11. Annotate cyber key terrain.
12. Develop Defensive cyber operation response actions plan.

**REFERENCES:** CJCSM 6231.04B Manual for Employing Tactical Communications

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**0689-MNGT-2004:** Integrate cyberspace operations

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0689

**GRADES:** GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, personnel, equipment, references, and a communications network.

**STANDARD:** To ensure confidentiality, integrity, and availability of data systems and networks.

**PERFORMANCE STEPS:**
1. Identify offensive cyber techniques, tactics, and procedures to develop defensive controls.
2. Coordinate with intelligence agencies/commodities to develop cyber threat matrix/worksheet.
3. Coordinate event correlation.
4. Coordinate attribution identification of specific threats.
5. Advise leadership on cyber security capabilities.
6. Develop cybersecurity controls.
7. Coordinate implementation of cyber security controls.
8. Report event/incident findings.
9. Coordinate with approval authority on cyberspace operations.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0689-MNGT-2005:** Establish a cybersecurity program

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0689

**GRADES:** GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided a cybersecurity workforce, policies, standards, and communication network.

**STANDARD:** To ensure confidentiality, integrity, and availability of data systems and networks.

**PERFORMANCE STEPS:**
1. Review cybersecurity documentation.
2. Determine applicability of cybersecurity policies.
3. Plan a cybersecurity architecture.
4. Draft a cybersecurity plan.
5. Submit cybersecurity plan.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0689-MNGT-2006:** Supervise a cybersecurity program

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 6 months

**MOS PERFORMING:** 0689

**GRADES:** GYSGT, MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided cybersecurity policies, procedures, personnel and equipment.

**STANDARD:** To ensure confidentiality, integrity, and availability of data systems and networks.

**PERFORMANCE STEPS:**
1. Manage assessment and authorization process.
2. Advise leadership on cybersecurity matters.
3. Validate data systems and networks for compliance.
4. Manage cybersecurity workforce qualifications program.
5. Report security incidents.
6. Manage certification and accreditation process.
7. Submit reports.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 26

MOS 0691 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 26

MOS 0691 INDIVIDUAL EVENTS

**26000. PURPOSE.** This chapter details the individual events that pertain to Communications Training Instructor. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**26001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0691 | Communications Training Instructor |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| TRNG | Training |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**26002. INDEX OF EVENTS**

| Event Code | Event | Page |
|---|---|---|
| **2000 Level Events** | | |
| 0691-TRNG-2001 | Manage a communications unit training program | 26-2 |

**26003. 2000-LEVEL EVENTS**

**0691-TRNG-2001:** Manage a communications unit training program

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Training of communications personnel sustains and progresses individual skills, integrates individual skills into unit capabilities, and manages unit training using the Marine Corps training principles and the Systems Approach to Training (SAT) to maximize training results and focus the training priorities of the unit in preparation for the conduct of its wartime missions.

**MOS PERFORMING:** 0602, 0610, 0619, 0620, 0629, 0640, 0650, 0659, 0699

**GRADES:** SSGT, GYSGT, MSGT, MGYSGT, WO-1, CWO-2, CWO-3, CWO-4, CWO-5, CAPT, MAJ, LTCOL

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, commander's guidance, and references.

**STANDARD:** Ensuring required training is completed to maintain unit readiness.

**PERFORMANCE STEPS:**
1. Conduct a training assessment.
2. Determine training goals.
3. Develop a training plan.
4. Develop training schedules.
5. Develop a training scenario.
6. Coordinate unit training.
7. Conduct operational risk assessment.
8. Create a performance evaluation checklist.
9. Prepare for training.
10. Conduct training.
11. Evaluate training.
12. Conduct after action reviews.
13. Document training.

**REFERENCES:**
1. MCO 1200.17_ Military Occupational Specialty Manual (MOS Manual)
2. MCO 1553.3_ Unit Training Management (UTM) Program
3. MCO 1560.25_ Marine Corps Lifelong Learning Program
4. MCO P1510.94_ Standing Operating Procedures for Resident Professional Military Education (PME)
5. MCO P3500.72_ Marine Corps Ground Training and Readiness (T&R) Program
6. MCO P4790.2_ MIMMS Field Procedures Manual
7. MCRP 3-0A Unit Training Management Guide
8. MCTP 8-10B How to Conduct Training
9. MCWP 3-40.3 MAGTF Communications System
10. MOS Roadmap Military Occupational Specialty (MOS) Roadmaps
11. NAVMC 3500.56_ Communications T&R Manual
12. TECOMO 1500.1 Military Occupational Specialty Roadmaps
13. TEEP Training, Exercise and Evaluation Plan
14. Unit SOP Unit's Standing Operating Procedures
15. Unit Training Plan

**CHAINED EVENTS:**

| | | |
|---|---|---|
| URP-DEVL-2003 | URP-DEVL-2004 | URP-DEVL-2005 |
| URP-EVAL-2001 | URP-EVAL-2002 | URP-EVAL-2003 |
| URP-EVAL-2004 | URP-IMPL-2001 | |

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## CHAPTER 27

## MOS 0699 INDIVIDUAL EVENTS

COMMUNICATIONS TRAINING AND READINESS MANUAL

CHAPTER 27

MOS 0699 INDIVIDUAL EVENTS

**27000. PURPOSE.** This chapter details the individual events that pertain to Communications Chiefs. Each individual event provides an event title, along with the conditions events will be performed under, and the standard to which the event must be performed to be successful.

**27001. EVENT CODING**

Events in this T&R manual are depicted with an up to 12-digit, 3-field alphanumeric system (i.e., XXXX-XXXX-XXXX). This chapter utilizes the following methodology:

a. Field one. This field represents the community. This chapter contains the following community codes:

| Code | Description |
|---|---|
| 0699 | Communications Chief |

b. Field two. This field represents the functional/duty area. This chapter contains the following functional/duty areas:

| Code | Description |
|---|---|
| MGNT | Manage |

c. Field three. This field provides the level at which the event is accomplished and numerical sequencing of events. This chapter contains the following event levels:

| Code | Description |
|---|---|
| 2000 | Core Plus Skills |

**27002. INDEX OF EVENTS**



**27003. 2000-LEVEL EVENTS**

**0699-MNGT-2001**: Manage operational readiness

**EVALUATION-CODED**: NO **SUSTAINMENT INTERVAL**: 12 months

**MOS PERFORMING:** 0699

**GRADES:** MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Provided planning documents, maintenance management automated system and, commander's guidance.

**STANDARD:** Ensuring readiness status of equipment assets is accurate, current and capable of satisfying the commander's communications system requirements for command and control.

**PERFORMANCE STEPS:**
1. Review reports.
2. Manage mission requirements.
3. Manage resource requirements and priorities.
4. Manage personnel readiness, as required.
5. Manage equipment readiness, as required.
6. Manage training readiness, as required.
7. Advise commanders on readiness.
8. Validate readiness requirements.
9. Promulgate reports, as required.

**REFERENCES:**
1. MCO 4400.82_ Regulated/Controlled Item Management Manual
2. MCO P4790.2_ MIMMS Field Procedures Manual
3. UM 4790-5 MIMMS-AIS Field Maintenance Procedures

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**0699-MNGT-2002:** Manage DOD Information network (DODIN) Operations

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**MOS PERFORMING:** 0699

**GRADES:** MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, operational conditions, operational plans, and a communications systems architecture.

**STANDARD:** Satisfying the commander's communications system requirements and in accordance with the communications plan.

**PERFORMANCE STEPS:**
1. Manage the design of DOD information networks, as required.
2. Manage the build of DOD information networks, as required.
3. Manage the configuration of DOD information networks, as required.
4. Integrate DOD information networks, as required
5. Manage the security of DOD information networks, as required.
6. Manage the operation of DOD information networks, as required.
7. Manage the maintenance of DOD information networks, as required.
8. Manage the sustainment of DOD information networks, as required.
9. Identify problems.

10. Advise corrective actions, as required.
11. Validate corrective action, as required.
12. Report status, as required.

**REFERENCES:**
1. CJCSM 6231.04B Manual for Employing Tactical Communications
2. MCWP 3-40.3 Communications

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**0699-MNGT-2003:** Manage the execution of a communications plan

**EVALUATION-CODED:** NO **SUSTAINMENT INTERVAL:** 12 months

**DESCRIPTION:** Per MCWP 3-40.3 MAGTF Communications System, as the tactical COA is converted into the overall CONOPS and the command's OPORD is crafted, the communications planner translates the communication concept of support into the communications CONOPS and develops the communication plan. While the formal, deliberate manifestation of a communications plan is detailed in the annex K, time available, size of unit, and mission dictate the extent to which a plan is documented. The purpose of any order, whether delivered in a 200-page document or verbally, is to provide clarity and promote shared understanding. Once the order is issued, a communications organization can then transition to briefing the plan and conducting rehearsals.

**MOS PERFORMING:** 0699

**GRADES:** MSGT, MGYSGT

**INITIAL TRAINING SETTING:** FORMAL

**CONDITION:** Given a command's mission, approved communications plan, task organization, table of equipment, higher headquarters Annex K, and communication concept of support.

**STANDARD:** Within a timeline provided by the commander and satisfying the commander's communications system requirements.

**PERFORMANCE STEPS:**
1. Analyze higher headquarters annex K.
2. Manage the transmissions network plan.
3. Manage the network plan.
4. Manage the data systems plan.
5. Conduct transmissions, network, and data systems integration.
6. Manage installation/restoration priorities.
7. Determine communications circuit installation/restoration priorities.
8. Manage defensive cyberspace operations.
9. Manage communication security.
10. Validate power requirements.
11. Identify communications system requirements.
12. Identify reporting requirements.

**REFERENCES:**
1. CJCSI 6510.01E Information Assurance (IA) and Computer Network Defense (CND)
2. CJCSM 6231 (Series) Manual for Employing Joint Tactical Communications
3. CJCSM 6231.04B Manual for Employing Tactical Communications

4. DoDI 8500.2 Information Assurance (IA) Implementation
5. Expeditionary Energy Strategy
6. MCEB Pub 7 Frequency Resource Record System (FRRS) Standard Frequency Action Format
7. MCRP 3-30B.3 Multiservice Communications Procedures for Tactical Radios in a Joint Environment (Tactical Radios)
8. MCWP 3-40.3 MAGTF Communications System
9. MCWP 5-1 Marine Corps Planning Process (MCPP)
10. TM 2000-15/1_ Brief Description of U.S. Marine Corps Communication-Electronic Equipment

COMMUNICATIONS TRAINING AND READINESS MANUAL

APPENDIX A

ACRONYMS AND ABBREVIATIONS

AA . . . . . .administrative action
ACC . . . . . administrative clerk course
ADC . . . . . .area distribution center
ADCON . . . . . .administrative control
ADJ . . . . . Adjutant
ADP . . . . . automatic data processing
ADOS . . . . . .Active Duty Operational Support
ADSW . . . . . active duty special work
ADT . . . . . active duty training
AFADBD . . . . . armed forces active duty base date
AIC . . . . . .accounting identification code
AIS . . . . . automated information systems
AMCITS . . . . . .American Citizens
AO . . . . . area of operations
AO . . . . . Approving Official
AOR . . . . . area of responsibility
APAC . . . . . advance personnel administrative chief course
APACS . . . . . .Aircraft and Personnel Area Clearance System
APDS . . . . . .all purpose date stamp
APES . . . . . Automated Performance Evaluation System
APO . . . . . .Army Post Office
APS . . . . . Awards Processing System
AR . . . . . Active Reserve
ARCR . . . . . .Annual Retirement Credit Report
ASR . . . . . Authorized Strength Report
AT . . . . . .Annual Training
BAS . . . . . .Basic Allowance for Subsistence
BAH . . . . . Basic Allowance for Housing
BIC . . . . . Billet Information Code
BIR . . . . . basic individual record
BTR . . . . . basic training record
BMOS . . . . . Billet Military Occupational Specialty
BCNR . . . . . Bureau of Corrections for Naval Records
CA . . . . . .Convening Authority
CACO . . . . . Casualty Assistance Call Officer
CAC . . . . . common access card
CDPA . . . . . Central Design and Programming Activity
CertCom . . . . . Certificate of Commendation
CHART . . . . . Civilian Hiring and Recruitment Tool
CJCS . . . . . Chairman of the Joint Chiefs of Staff
CJCSI . . . . . Chairman of the Joint Chiefs of Staff instruction
CJCSM . . . . . Chairman of the Joint Chiefs of Staff manual
CMC . . . . . .Commandant of the Marine Corps
CMCC . . . . . Classified Material Control Center
CMF . . . . . central master file
CMR . . . . . Consolidated Memorandum Receipt
CMRRB . . . . . Civilian Resource Management Review Board
CMS . . . . . COMSEC materials system
CO . . . . . commanding officer

COCOM . . . . . Combatant Commander
COD . . . . . collect on delivery
COLA . . . . . Cost of Living Allowance
COMMARFOR . . . . . Commander, Marine Corps Forces
COMMARFORLANT . . . . . Commander, Marine Corps Forces, Atlantic
COMMARFORPAC . . . . . Commander, Marine Corps Forces, Pacific
COMSEC . . . . . communications security
CON . . . . . conduct
CONGINT . . . . . .Congressional/Special Interest
CONUS . . . . . Continental United States
COPE . . . . . .Custodian of Postal Effects
CRB . . . . . Competency Review Board
CRCR . . . . . .Career Retirement Credit Report
CSP . . . . . .Career Sea Pay
CSR . . . . . Consolidated Strength Report
CSR . . . . . Command Staffing Report
CTZE . . . . . .Combat Tax Zone Exclusion
DFN . . . . . Designated Foreign National
DISA . . . . . Defense Information Systems Agency
DCIPS. . . . . Defense Civilian Intelligence Personnel System
DCIPS . . . . . .Defense Casualty Information Processing System
DCP . . . . . .Directives Control Point
DCTB . . . . . Date Current Tour Began
DEOCS . . . . . .Defense Equal Opportunity Climate Survey
DEERS . . . . . Defense Enrollment Eligibility Reporting System
DES . . . . . Disability Evaluation System
DIMHRS . . . . . Defense Integrated Manpower Human Resource System
DISTLEARN . . . . . distance learning
DFAS . . . . . Defense Finance Accounting Service
DFR . . . . . Diary Feedback Report
DLA . . . . . dislocation allowance
DMM . . . . . .Domestic Mail Manual
DMS . . . . . Defense Message System
DoD . . . . . Department of Defense
DoDD . . . . . Department of Defense directive
DoDI . . . . . Department of Defense instruction
DoDFMR . . . . . Department of Defense financial management regulations
DON . . . . . Department of the Navy
DONCAF . . . . . Department of the Navy Central Adjudication Facility
DOR . . . . . Date of Rank
DR . . . . . dental record
DRRS . . . . . Defense Readiness Reporting System
DSR . . . . . .Deployment Status Report
DTAS . . . . . Deployed Theatre Accountability System
DTMS. . . . . Document Tracking Management System
DTOD . . . . . Defense Table of Official Distances
DTP . . . . . .DoD Drug Testing Program
DTS . . . . . Defense Travel System
EA . . . . . .Executive Agent
EAS . . . . . End of Active Service
ECC . . . . . End of Current Contract
EAD . . . . . Extended Active Duty
EDA . . . . . Estimated Date of Arrival
EDD . . . . . Estimated Date of Departure
EDFR . . . . . Electronic Diary Feedback Report
ELSIG . . . . . electronic signature
EO . . . . . Equal Opportunity

EOA . . . . . Equal Opportunity Advisor
EPW . . . . . Enemy Prisoner of War
ESGM . . . . . Enlisted Staffing Goal Model
ETD . . . . . .Estimated Time of Delivery
EUCU . . . . . .End User Computer Equipment
FAP . . . . . Fleet Assistance Program
FCG . . . . . Foreign Clearance Guide
FMC . . . . . Fleet Mail Center
FMF . . . . . Fleet Marine Force
FMFM . . . . . Fleet Marine Force manual
FHTNR . . . . . Fleet Home Town News Release
FMCC . . . . . future monitor command code
FMR . . . . . .financial management regulations
FPO . . . . . Fleet Post Office
FSA . . . . . Family Separation Allowance
FSGLI . . . . . .Family Service Member's Group Life Insurance
FY . . . . . .fiscal year
G-1 . . . . . manpower or personnel staff officer
G-2 . . . . . intelligence staff officer
G-3 . . . . . operations staff officer
G-4 . . . . . logistics staff officer
G-6 . . . . . communications and information systems officer
GCM . . . . . Good Conduct Medal
GEMS. . . . . .Global Enterprise Mail System
GPO . . . . . .Government Printing Office
GSA . . . . . General Services Administration
GTCC . . . . . Government Travel Charge Card
GTCCP . . . . . Government Travel Charge Card Program
GTN . . . . . Global Transportation Network
GTR . . . . . .Government Transportation Request
HDP . . . . . Hardship Duty Pay
HFP . . . . . Hostile Fire Pay
HQMC . . . . . Headquarters, Marine Corps
HR . . . . . health record
HRO . . . . . Human Resources Office
HSAP . . . . . Health Services Augmentation Program
IA . . . . . individual augment
IAW . . . . . .in accordance with
IADT . . . . . Incremental Active Duty Training
IDL . . . . . International Date Line
IDT . . . . . Inactive Duty Training
IHCA . . . . . In Hands of Civilian Authorities
IHFA . . . . . In Hands of Foreign Authorities
ID . . . . . identification
IDL . . . . . .Internal Distribution List
IDP . . . . . Imminent Danger Pay
IDT . . . . . Inactive Duty Training
IFDTL . . . . . .Internet Forensics Drug Testing Laboratory
IIADT . . . . . Incremental Initial Active Duty
IMA . . . . . Individual Mobilization Augmentee
IMM . . . . . International Mail Manual
IO . . . . . .Investigating Officer
IPAC . . . . . .Installation Personnel Administrative Center
IPP . . . . . .irregular parcels and pieces
IPP . . . . . In Progress Payments
IRO . . . . . .Initial Review Officer
IRR . . . . . Individual Ready Reserve

IRT . . . . . .Integrated Retail Terminal
JCS . . . . . Joint Chiefs of Staff
JFTR . . . . . Joint Federal Travel regulations
JMPA . . . . . Joint Military Postal Activity (Atlantic or Pacific)
JP . . . . . Joint Publication
JPERSTAT . . . . . Joint Personnel Status
JPRA . . . . . .Joint Personnel Recovery Agency
JRC . . . . . Joint Reception Center
JTF . . . . . Joint Task Force
KVN . . . . . Key Volunteer Network
IA . . . . . .Individual Augments
LCM . . . . . Leave and Earnings Statement
LES . . . . . letter class mail
LOA . . . . . letter of appreciation
LOD . . . . . .Line of Duty
LOI . . . . . Letter of Instruction
LSSS . . . . . Legal Services Support Section
LWAS . . . . . Leave While Awaiting Separation
MACOM . . . . . major command
MAGTF . . . . . Marine Air-Ground Task Force
MAMAS . . . . . Military Automated Mail Accounting System
MAO . . . . . mail address only
MARDIV . . . . . Marine Division
MARFOR . . . . . Marine Corps Forces
MCB . . . . . Marine Corps Base
MCC . . . . . Monitor Command Code
MCCS . . . . . .Marine Corps Community Services
MCCSSS . . . . . Marine Corps Combat Service Support Schools
MCM . . . . . Manual for Courts-Martial
MCO . . . . . Marine Corps Order
MCMEDS . . . . . Marine Corps Medical Evaluation Disability System
MCMPS . . . . . Marine Corps Mobilization Processing System
MCPP . . . . . Marine Corps Planning Process
MCPDS . . . . . Marine Corps Publication Distribution System
MCPEL . . . . . Marine Corps Publications Electronic Listing
MCWP . . . . . .Marine Corps Warfighting Publication
MCTFS . . . . . Marine Corps Total Force System
MEF . . . . . Marine Expeditionary Force
MEU . . . . . Marine Expeditionary Unit
MEU(SOC) . . . . . Marine Expeditionary Unit (special operations capable)
MIDAS . . . . . Military and International Dispatch and Accountability System
MILSTAMP . . . . . .military standard transportation and movement procedure
MIS . . . . . Manpower Information Systems
MISSA . . . . . Manpower Information System Support Agency
MISSO . . . . . Manpower Information System Support Office
MLG . . . . . .Marine Logistics Group
MMSB . . . . . Manpower Management Support Branch
MO . . . . . .money order
MOB . . . . . .money order business
MOC . . . . . Manpower Officer Course
MODIS . . . . . .Military Origin Destination Information System
MOID . . . . . .money order identification number
MOJT . . . . . Managed On the Job Training
MOL . . . . . Marine Online
MOM . . . . . .military ordinary mail
MOS . . . . . Military Occupational Specialty
MPC . . . . . military postal clerk

MPO . . . . . .Military Post Office
MPS . . . . . Military Postal System
MPSA . . . . . Military Postal Service Agency
MRI . . . . . .mail routing instruction
MRO . . . . . Marine Reported On
MRO . . . . . .Medical Review Officer
MROWS . . . . . Marine Reserve Order Writing System
MRTM . . . . . manpower requirements tracking module
MSC . . . . . Major Subordinate Command
MSE . . . . . Major Subordinate Element
MSPF . . . . . Maritime Special Purpose Force
MWR . . . . . Morale, Welfare and Recreation
NAMALA . . . . . Navy and Marine Corps Appellate Leave Activity
NATO . . . . . North Atlantic Treaty Organization
NAVMC . . . . . Navy and Marine Corps
NCIS . . . . . Naval Criminal Investigative Service
NDEA. . . . . Non-DTS Entry Agent
NEO . . . . . .Noncombatant Evacuation Operations
NIPRNET . . . . . nonsecure internet protocol router network
NJP . . . . . non-judicial punishment
NOK . . . . . Next of Kin
NSPS . . . . . National Security Personnel System
NOE . . . . . Notice of Eligibility
NOK . . . . . Next of Kin
OccFld . . . . . occupational field
OCONUS . . . . . Outside the Continental United States
ODSE . . . . . .Operational Data Storage Enterprise
ODTA . . . . . .Organizational Defense Travel Administrator
OHA . . . . . Overseas Housing Allowance
OMM . . . . . Official Mail Manager
OMPF . . . . . Official Military Personnel File
OPCON . . . . . operational control
OPFOR . . . . . .Operating Forces
OPLAN . . . . . operations plan
OPNAV . . . . . Office of the Chief of Naval Operations
OPORD . . . . . operations order
OPT . . . . . Operational Planning Team
OSP . . . . . outside piece
OPREP . . . . . Operations Report
OPSEC . . . . . operations security
OQR . . . . . Officer Qualification Record
PAC . . . . . .Personnel Administration Center
PAO . . . . . .Public Affairs Officer
PAR . . . . . personnel action request
PAS . . . . . Personnel Administration School
PB . . . . . USPS Postal bulletin
PC . . . . . postal clerk
PCA . . . . . Permanent Change of Assignment
PCR. . . . . Personnel Casualty Report
PCS . . . . . Permanent Change of Station
PDRL . . . . . Permanent Disability Retired List
PDS . . . . . permanent duty station
PEB . . . . . .Physical Evaluations Board
PEBD . . . . . Pay Entry Base Date
PERSTEMPO . . . . . personnel tempo
PFO . . . . . .Postal Finance Officer
PII . . . . . Personally Identifiable Information

PLEAD . . . . . Place Entered Active Duty
PLMS . . . . . Publications Library Management System
POC . . . . . Personnel Officer Course
POM . . . . . .Postal Operations Manual
POP . . . . . .Postal Operations Plan
PNA . . . . . .postal net alert
PNOK . . . . . .Primary Next of Kin
PDMRA . . . . . Post Deployment Mobilization Respite Absence
PRO . . . . . proficiency
PS . . . . . Postal Service
PSC . . . . . Postal Service Center
PSD . . . . . .Personnel Support Detachment
PSP . . . . . Personnel Security Program
PTAD . . . . . Permissive Temporary Additional Duty
PVI . . . . . .postage validation imprinter
RBE . . . . . .Remain Behind Element
RC . . . . . .Reserve Component
RCT . . . . . .Reserve Counterpart Training
RED . . . . . Record of Emergency Data
RFF . . . . . .Request for Forces
RIDT . . . . . Rescheduled Inactive Duty Training
RLO . . . . . Reserve Liaison Officer
RPA . . . . . request for personnel action
RUC . . . . . Reporting Unit Code
RU . . . . . reporting unit
S-1 . . . . . manpower or personnel staff officer
S-2 . . . . . intelligence staff officer
S-3 . . . . . operations staff officer
S-4 . . . . . logistics staff officer
S-6 . . . . . communications and information systems staff officer
SACO . . . . . .Substance Abuse Control
SDA . . . . . Special Duty Assignment
SE . . . . . Supporting Establishment
SECNAVINST . . . . . .Secretary of the Navy Instruction
SG . . . . . .staffing goal
SGLI . . . . . .Service Member's Group Life Insurance
SIPRNET . . . . . secret internet protocol router network
SITREPS . . . . . Situation Reports
SJA . . . . . .Staff Judge Advocate
SLDCADA . . . . . Standard Labor Data Collection and Distribution Application
SMCR . . . . . Select Marine Corps Reserve
SNCO . . . . . .Staff Noncommissioned Officer
SNM . . . . . Subject Named Marine
SOP . . . . . standing operating procedure
SORTS . . . . . Status of Resources and Training System
SPA . . . . . Secure Personnel Accountability
SPMAGTF . . . . . Special-Purpose Marine Air-Ground Task Force
SRB . . . . . service record book
SR . . . . . service record
SSBI . . . . . single-scope background investigation
SSIC . . . . . Standard Subject Identification Code
SSM . . . . . .Single Service Manager
TACON . . . . . .tactical control
TAD . . . . . Temporary Additional Duty
TDRL . . . . . Temporary Disability Retired List
TFSMS . . . . . Total Force Structured Management System
TLA . . . . . temporary lodging allowance

TMR . . . . . Timeliness Management Report
TMS . . . . . Training Management System
TNPQ . . . . . Temporarily Not Physically Qualified
T/O . . . . . Table of Organization
TO&E . . . . . .Table of Organization and Equipment
TOECR . . . . . .Table of Organization and Equipment Change Request
TPFDD . . . . . Time Phased Force Deployment Database
TTC . . . . . .Type of Transaction Code
TTISMM . . . . . .Transit Time Information System Military Mail
UA . . . . . unauthorized absence
UCMJ . . . . . Uniform Code of Military Justice
UDMIPS . . . . . Unit Diary Manpower Integrated Personnel System
UIC . . . . . .Unit Identification Code
ULN . . . . . .Unit Line Number
UMC . . . . . unit mail clerk
UMR . . . . . .unit mail room
UPB . . . . . Unit Punishment Book
USMCR . . . . . United States Marine Corps Reserve
USPS . . . . . .US Postal Service
WMD . . . . . weapons of mass destruction
WWR . . . . . .Wounded Warrior Regiment
ZIP . . . . . Zone Improvement Code

# COMMUNICATIONS TRAINING AND READINESS MANUAL

## APPENDIX B

## TERMS AND DEFINITIONS

Terms in this glossary are subject to change as applicable orders and directives are revised. Terms established by Marine Corps orders or directives take precedence after definitions found in Joint Publication 1-02, DOD Dictionary of Military and Associated Terms.

**A**

**After Action Review.** A professional discussion of training events conducted after all training to promote learning among training participants. The formality and scope increase with the command level and size of the training evolution. For longer exercises, they should be planned for at predetermined times during an exercise. The results of the AAR shall be recorded on an after action report and forwarded to higher headquarters. The commander and higher headquarters use the results of an AAR to reallocate resources, reprioritize their training plan, and plan for future training.

**Assessment.** An informal judgment of the unit's proficiency and resources made by a commander or trainer to gain insight into the unit's overall condition. It serves as the basis for the midrange plan. Commanders make frequent use of these determinations during the course of the combat readiness cycle in order to adjust, prioritize or modify training events and plans.

**C**

**Chaining**. A process that enables unit leaders to effectively identify subordinate collective events and individual events that support a specific collective event. For example, collective training events at the 4000-Level are directly supported by collective events at the 3000-Level. When a higher level event by its nature requires the completion of lower level events, they are "chained"; Sustainment credit is given for all lower level events chained to a higher event.

**Collective Event.** A clearly defined, discrete, and measurable activity, action, or event (i.e., task) that requires organized team or unit performance and leads to accomplishment of a mission or function. A collective task is derived from unit missions or higher-level collective tasks. Task accomplishment requires performance of procedures composed of supporting collective or individual tasks. A collective task describes the exact performance a group must perform in the field under actual operational conditions. The term "collective" does not necessarily infer that a unit accomplishes the event. A unit, such as a squad or platoon conducting an attack; may accomplish a collective event or, it may be accomplished by an individual to accomplish a unit mission, such as a battalion supply officer completing a reconciliation of the battalion's CMR. Thus, many collective events will have titles that are the same as individual events; however, the standard and condition will be different because the scope of the collective event is broader.

**Collective Training Standards (CTS).** Criteria that specify mission and functional area unit proficiency standards for combat, combat support, and combat service support units. They include tasks, conditions, standards, evaluator instruction, and key indicators. CTS are found within collective training events in T&R Manuals.

**Combat Readiness Cycle.** The combat readiness cycle depicts the relationships within the building block approach to training. The combat readiness cycle progresses from T&R Manual individual core skills training, to the accomplishment of collective training events, and finally, to a unit's participation in a contingency or actual combat. The combat readiness cycle demonstrates the relationship of core capabilities to unit combat readiness. Individual core skills training and the training of collective events lead to unit proficiency and the ability to accomplish the unit's stated mission.

**Combat Readiness Percentage (CRP).** The CRP is a quantitative numerical value used in calculating collective training readiness based on the E-Coded events that support the unit METL. CRP is a concise measure of unit training accomplishments. This numerical value is only a snapshot of training readiness at a specific time. As training is conducted, unit CRP will continuously change.

**Condition.** The condition describes the training situation or environment under which the training event or task will take place. Expands on the information in the title by identifying when, where and why the event or task will occur and what materials, personnel, equipment, environmental provisions, and safety constraints must be present to perform the event or task in a real-world environment. Commanders can modify the conditions of the event to best prepare their Marines to accomplish the assigned mission (e.g. in a desert environment; in a mountain environment; etc.).

**Core Competency.** Core competency is the comprehensive measure of a unit's ability to accomplish its assigned MET. It serves as the foundation of the T&R Program. Core competencies are those unit core capabilities and individual core skills that support the commander's METL and T/O mission statement. Individual competency is exhibited through demonstration of proficiency in specified core tasks and core plus tasks. Unit proficiency is measured through collective tasks.

**Core Capabilities.** Core capabilities are the essential functions a unit must be capable of performing during extended contingency/combat operations. Core unit capabilities are based upon mission essential tasks derived from operational plans; doctrine and established tactics; techniques and procedures.

**Core Plus Capabilities.** Core plus capabilities are advanced capabilities that are environment, mission, or theater specific. Core plus capabilities may entail high-risk, high-cost training for missions that are less likely to be assigned in combat.

**Core Plus Skills.** Core plus skills are those advanced skills that are environment, mission, rank, or billet specific. 2000-Level training is designed to make Marines proficient in core skills in a specific billet or at a specified rank at the Combat Ready level. 3000-8000-Level training produces combat leaders and fully qualified section members at the Combat Qualified level. Marines trained at the Combat Qualified level are those the commanding officer feels are capable of accomplishing unit-level missions and

of directing the actions of subordinates. Many core plus tasks are learned via MOJT, while others form the base for curriculum in career level MOS courses taught by the formal school.

**D**

**Defense Readiness Reporting System (DRRS).** A comprehensive readiness reporting system that evaluates readiness on the basis of the actual missions and capabilities assigned to the forces. It is a capabilities-based, adaptive, near real-time reporting system for the entire Department of Defense.

**Deferred Event.** A T&R event that a commanding officer may postpone when in his or her judgment, a lack of logistic support, ammo, ranges, or other training assets requires a temporary exemption. CRP cannot be accrued for deferred "E-Coded" events.

**Delinquent Event.** An event becomes delinquent when a unit exceeds the sustainment interval for that particular event. The individual or unit must update the delinquent event by first performing all prerequisite events. When the unit commander deems that performing all prerequisite is unattainable, then the delinquent event will be re-demonstrated under the supervision of the appropriate evaluation authority.

**E**

**E-Coded Event.** An "E-Coded" event is a collective T&R event that is a noted indicator of capability or, a noted collective skill that contributes to the unit's ability to perform the supported MET. As such, only "E-Coded" events are assigned a CRP value and used to calculate a unit's CRP.

**Evaluation.** Evaluation is a continuous process that occurs at all echelons, during every phase of training and can be both formal and informal. Evaluations ensure that Marines and units are capable of conducting their combat mission. Evaluation results are used to reallocate resources, reprioritize the training plan, and plan for future training.

**Event (Training).** 1) An event is a significant training occurrence that is identified, expanded and used as a building block and potential milestone for a unit's training. An event may include formal evaluations. 2) An event within the T&R Program can be an individual training evolution, a collective training evolution or both. Through T&R events, the unit commander ensures that individual Marines and the unit progress from a combat capable status to a Fully Combat Qualified (FCQ) status.

**Event Component**. The major procedures (i.e., actions) that must occur to perform a Collective Event to standard.

**Exercise Commander (EC).** The Commanding General, Marine Expeditionary Force or his appointee will fill this role, unless authority is delegated to the respective commander of the Division, Wing, or FSSG. Responsibilities and functions of the EC include: 1) designate unit(s) to be evaluated, 2) may designate an exercise director, 3) prescribe exercise objectives and T&R events to be evaluated, 4) coordinate with commands or agencies external to the Marine Corps and adjacent Marine Corps commands, when required.

**Exercise Director (ED).** Designated by the EC to prepare, conduct, and report all evaluation results. Responsibilities and functions of the ED include: 1) Publish a letter of instruction (LOI) that: delineates the T&R events to be evaluated, establishes timeframe of the exercise, lists responsibilities of various elements participating in the exercise, establishes safety requirements/guidelines, and lists coordinating instructions. 2) Designate the TEC and TECG to operate as the central control agency for the exercise. 3) Assign evaluators, to include the senior evaluator, and ensure that those evaluators are properly trained. 4) Develop the general exercise scenario taking into account any objectives/events prescribed by the EC. 5) Arrange for all resources to include: training areas, airspace, aggressor forces, and other required support.

**M**

**Marine Corps Ground Training and Readiness (T&R) Program.** The T&R Program is the Marine Corps' primary tool for planning and conducting training, for planning and conducting training evaluation, and for assessing training readiness. The program will provide the commander with standardized programs of instruction for units within the ground combat, combat support, and combat service support communities. It consolidates the ITS, CTS, METL and other individual and unit training management tools. T&R is a program of standards that systematizes commonly accepted skills, is open to innovative change, and above all, tailors the training effort to the unit's mission. Further, T&R serves as a training guide and provides commanders an immediate assessment of unit combat readiness by assigning a CRP to key training events. In short, the T&R Program is a building block approach to training that maximizes flexibility and produces the best-trained Marines possible.

**Mission Essential Task(s) MET(s).** A MET is a collective task in which an organization must be proficient in order to accomplish an appropriate portion of its wartime mission(s). MET listings are the foundation for the T&R Manual; all events in the T&R Manual support a MET.

**Mission Essential Task List (METL).** Descriptive training document that provides units a clear, war fighting focused description of collective actions necessary to achieve wartime mission proficiency. The service-level METL, that which is used as the foundation of the T&R Manual, is developed using Marine Corps doctrine, operational plans, T/Os, UJTL, UNTL, and MCTL. For community based T&R Manuals, an occupational field METL is developed to focus the community's collective training standards. Commanders develop their unit METL from the service-level METL, operational plans, contingency plans, and SOPs.

**O**

**Operational Readiness (DOD, NATO).** OR is the capability of a unit/formation, ship, weapon system, or equipment to perform the missions or functions for which it is organized or designed. May be used in a general sense or to express a level or degree of readiness.

**P**

**Prerequisite Event**. Prerequisites are the academic training and/or T&R events that must be completed prior to attempting the event.

**R**

**Readiness (DOD)**. Readiness is the ability of U.S. military forces to fight and meet the demands of the national military strategy. Readiness is the synthesis of two distinct but interrelated levels: a) Unit readiness--The ability to provide capabilities required by combatant commanders to execute assigned missions. This is derived from the ability of each unit to deliver the outputs for which it was designed. b) Joint readiness--The combatant commander's ability to integrate and synchronize ready combat and support forces to execute assigned missions.

**S**

**Section Skill Tasks.** Section skills are those competencies directly related to unit functioning. They are group rather than individual in nature, and require participation by a section (S-1, S-2, S-3, etc).

**Simulation Training.** Simulators provide the additional capability to develop and hone core and core plus skills. Accordingly, the development of simulator training events for appropriate T&R syllabi can help maintain valuable combat resources while reducing training time and cost. Therefore, in cases where simulator fidelity and capabilities are such that simulator training closely matches that of actual training events, T&R Manual developers may include the option of using simulators to accomplish the training. CRP credit will be earned for E-Coded simulator events based on assessment of relative training event performance.

**Standard.** A standard is a statement that establishes criteria for how well a task or learning objective must be performed. The standard specifies how well, completely, or accurately a process must be performed or product produced. For higher-level collective events, it describes why the event is being done and the desired end-state of the event. Standards become more specific for lower-level events and outline the accuracy, time limits, sequencing, quality, product, process, restrictions, etc., that indicate the minimum acceptable level of performance required of the event. At a minimum, both collective and individual training standards consist of a task, the condition under which the task is to be performed, and the evaluation criteria that will be used to verify that the task has been performed to a satisfactory level.

**Sustainment Training.** Periodic retraining or demonstration of an event required maintaining the minimum acceptable level of proficiency or capability required to accomplish a training objective. Sustainment training goes beyond the entry-level and is designed to maintain or further develop proficiency in a given set of skills.

**Systems Approach to Training (SAT).** An orderly process for analyzing, designing, developing, implementing, and evaluating a unit's training program to ensure the unit, and the Marines of that unit acquire the knowledge and skills essential for the successful conduct of the unit's wartime missions.

**T**

**Training Task**. This describes a direct training activity that pertains to an individual Marine. A task is composed of 3 major components: a description of what is to be done, a condition, and a standard.

**Technical Exercise Controller (TEC).** The TEC is appointed by the ED, and usually comes from his staff or a subordinate command. The TEC is the senior evaluator within the TECG and should be of equal or higher grade than the commander(s) of the unit(s) being evaluated. The TEC is responsible for ensuring that the evaluation is conducted following the instructions contained in this order and MCO 1553.3A. Specific T&R Manuals are used as the source for evaluation criteria.

**Tactical Exercise Control Group (TECG).** A TECG is formed to provide subject matter experts in the functional areas being evaluated. The benefit of establishing a permanent TECG is to have resident, dedicated evaluation authority experience, and knowledgeable in evaluation technique. The responsibilities and functions of the TECG include: 1) developing a detailed exercise scenario to include the objectives and events prescribed by the EC/ED in the exercise LOI; 2) conducting detailed evaluator training prior to the exercise; 3) coordinating and controlling role players and aggressors; 4) compiling the evaluation data submitted by the evaluators and submitting required results to the ED; 5) preparing and conducting a detailed exercise debrief for the evaluated unit(s).

**Training Plan.** Training document that outlines the general plan for the conduct of individual and collective training in an organization for specified periods of time.

**U**

**Unit CRP.** Unit CRP is a percentage of the E-Coded collective events that support the unit METL accomplished by the unit. Unit CRP is the average of all MET CRP.

**Unit Evaluation.** All units in the Marine Corps must be evaluated, either formally or informally, to ensure they are capable of conducting their combat mission. Informal evaluations should take place during all training events. The timing of formal evaluations is critical and should, when appropriate, be directly related to the units' operational deployment cycle. Formal evaluations should take place after the unit has been staffed with the majority of its personnel, has had sufficient time to train to individual and collective standards, and early enough in the training cycle so there is sufficient time to correctly identified weaknesses prior to deployment. All combat units and units' task organized for combat require formal evaluations prior to operational deployments.

**Unit Training Management (UTM).** Unit training management is the use of the SAT and Marine Corps training principles in a manner that maximizes training results and focuses the training priorities of the unit on its wartime mission. UTM governs the major peacetime training activity of the Marine Corps and applies to all echelons of the Total Force.

**W**

**Waived Event.** An event that is waived by a commanding officer when in his or her judgment, previous experience or related performance satisfies the requirement of a particular event.