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SIGINT T&R MANUAL)

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(c) MCO 3400.3F
(d) MCO 3500.27B W/Erratum
(e) MCRP 3-0A
(f) MCRP 3-0B
(g) MCO 1553.2A

1. Purpose. Per reference (a), this T&R Manual establishes required events for standardized training of Marines and Navy personnel assigned to perform intelligence functions. Additionally, it provides tasking for formal schools preparing personnel for service in the Signals Intelligence Occupational Field. This NAVMC supersedes NAVMC DIR 3500.41.

2. Scope

a. Per reference (b), commanders will conduct an internal assessment of the unit's ability to execute, develop long-, mid-, and short-range training plans to sustain proficiency in each MET. 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. Commanders will use reference (c) to incorporate nuclear, biological, and chemical defense training into training plans and reference (d) to integrate operational risk management. References (e) and (f) 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 (g) to ensure programs of instruction meet skill-training requirements established in this manual, and provide career-progression training in the events designated for initial training in the formal school environment.

3. Information. CG, TECOM will update this T&R Manual as necessary to provide current and relevant training standards to commanders, and to ensure a current Core Capabilities METL is available for use in DRRS by Marine Corps units performing signal intelligence functions. All questions pertaining to

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the Marine Corps Ground T&R Program and Unit Training Management should be directed to: Commanding General, TECOM (Ground Training Division C 469), 1019 Elliot Road, Quantico, VA 22134.

4. Command. This Directive is applicable to the Marine Corps Total Force.
5. Certification. Reviewed and approved this date.


R. C. FOX
By direction

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Encl: (1) Chapter 4, 2600 Individual Events

1. Situation. To transmit a chapter insert to the basic Manual.
2. Execution. Remove the existing Chapter 4 and replace with the enclosure.
3. Summary of Change. This change is out of the normal T&R review cycle due to an emerging Communication Emitter Sensing and Attacking System (CESAS) training requirement.
4. Filing Instructions. This change transmittal will be filed immediately following the signature page of the basic Manual.


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Log completed change action as indicated.

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SIGINT T&R MANUAL

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CHAPTER 1

OVERVIEW

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SIGINT T&R 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 Lists (METLs) for ground communities derived from the Marine Corps Task List (MCTL). T&R Manuals are built around these METLs and all events contained in T&R Manuals relate directly to this METL. 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).

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. However, it is not necessary to have all individuals within a unit fully trained in order for that organization to accomplish its assigned tasks. Manpower shortfalls, temporary assignments, leave, or other factors outside the commander's control, often affect the ability to conduct individual training. During these periods, unit readiness is enhanced if emphasis is placed on the individual training of Marines on-hand. Subsequently, these Marines will be mission ready and capable of executing as part of a team when the full complement of personnel is available.

2. Commanders will ensure that all tactical training is focused on their combat mission. The T&R Manual is a tool to help develop the unit's training plan. In most cases, unit training should focus on achieving unit proficiency in the core capabilities METL. However, commanders will adjust their training focus to support METLs associated with a major OPLAN/CONPLAN or named operation as designated by their higher commander and reported accordingly in the Defense Readiness Reporting System (DRRS). Tactical

training will support the METL in use by the commander and be tailored to meet T&R standards. Commanders at all levels are responsible for effective combat training. The conduct of training in a professional manner consistent with Marine Corps standards cannot be over emphasized.

3. Commanders will provide personnel the opportunity to attend formal and operational level courses of instruction as required by this Manual. Attendance at all formal courses must enhance the warfighting capabilities of the unit as determined by the unit commander.

1002. UNIT TRAINING MANAGEMENT

1. Unit Training Management (UTM) is the application of the Systems Approach to Training (SAT) and the Marine Corps Training Principles. 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 wartime mission.

2. UTM techniques, described in references (b) and (e), provide commanders with the requisite tools and techniques to analyze, design, develop, implement, and evaluate the training of their unit. The Marine Corps Training Principles, explained in reference (b), provide sound and proven direction and are flexible enough to accommodate the demands of local conditions. These principles are not inclusive, nor do they guarantee success. They are guides that commanders can use to manage unit-training programs. The Marine Corps training principles are:

- Train as you fight
- Make commanders responsible for training
- Use standards-based training
- Use performance-oriented training
- Use mission-oriented training
- Train the MAGTF to fight as a combined arms team
- Train to sustain proficiency
- Train to challenge

3. To maintain an efficient and effective training program, leaders at every level must understand and implement UTM. Guidance for UTM and the process for establishing effective programs are contained in references (a) through (g).

1003. SUSTAINMENT AND EVALUATION OF TRAINING

1. 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).

2. 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. Whether it involves individual or collective training events, they must ensure proficiency is sustained by requiring retraining of each event at or

before expiration of the designated sustainment interval. Performance of the training event, however, is not sufficient to ensure combat readiness. Leaders at all levels must evaluate the performance of their Marines and the unit as they complete training events, and only record successful accomplishment of training based upon the evaluation. The goal of evaluation is to ensure that correct methods are employed to achieve the desired standard, or the Marines understand how they need to improve in order to attain the standard. Leaders must determine whether credit for completing a training event is recorded if the standard was not achieved. While successful accomplishment is desired, debriefing of errors can result in successful learning that will allow ethical recording of training event completion. 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.

3. 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. References (a) and (f) provide further guidance on the conduct of informal and formal evaluations using the Marine Corps Ground T&R Program.

1004. ORGANIZATION

1. T&R Manuals are organized in one of two methods: unit-based or community-based. Unit-based T&R Manuals are written to support a type of unit (Infantry, Artillery, Tanks, etc.) and contain both collective and individual training standards. Community-based are written to support an Occupational Field, a group of related Military Occupational Specialties (MOSSs), or billets within an organization (EOD, NBC, Intel, etc.), and usually only contain individual training standards. T&R Manuals are comprised of chapters that contain unit METs, collective training events (CTE), and individual training events (ITE) for each MOS, billet, etc.

1005. T&R EVENT CODING

1. T&R events are coded for ease of reference. Each event has up-to a 4-4-4-digit identifier. The first up-to four digits are referred to as a "community" and represent the unit type or occupation (TANK, TOW, 1802, etc.). The second up-to four digits represent the functional or duty area (TAC, CMDC, GNRV, etc.). The last four digits represent the level and sequence of the event.

2. The T&R levels are illustrated in Figure 1. An example of the T&R coding used in this Manual is shown in Figure 2.

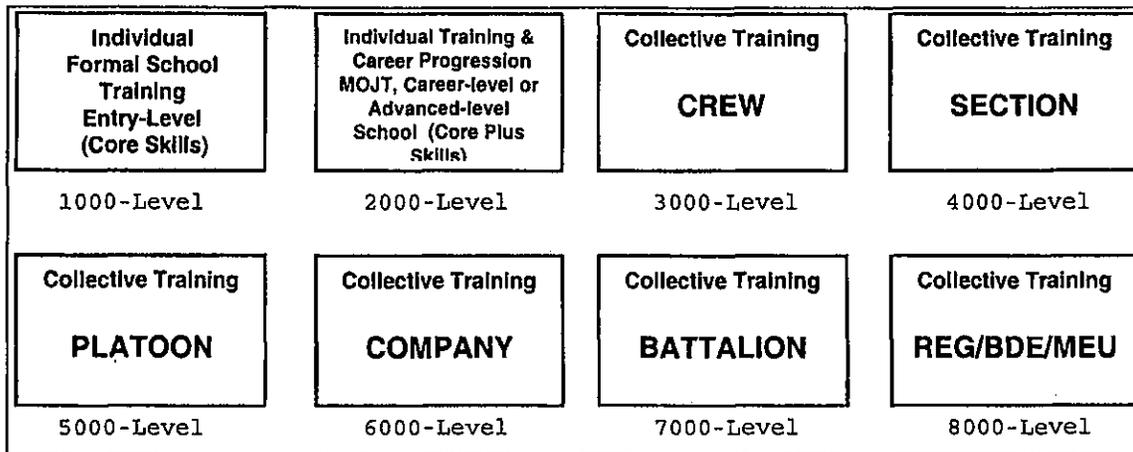


Figure 1: T&R Event Levels

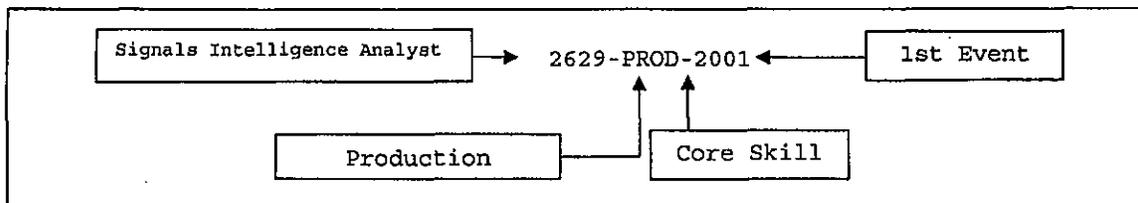


Figure 2: T&R Event Coding

1006. COMBAT READINESS PERCENTAGE

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. Combat Readiness Percentage (CRP) is the percentage of required training events that a unit or Marine accomplishes within specified sustainment intervals.

3. In unit-based T&R Manuals, 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.

4. Individual combat readiness, in both unit-based and community-based T&R Manuals, is assessed as the percentage of required individual events in which

a Marine is current. This translates as the percentage of training events for his/her MOS and grade (or billet) that the Marine successfully completes within the directed sustainment interval. Individual skills are developed through a combination of 1000-level training (entry-level formal school courses), individual on-the-job training in 2000-level events, and follow-on formal school training. Skill proficiency is maintained by retraining in each event per the specified sustainment interval.

1007. EVALUATION-CODED (E-CODED) EVENTS

1. Unit-type T&R Manuals can contain numerous unit events, some for the whole unit and others for integral parts that serve as building blocks for training. To simplify training management and readiness assessment, only collective events that are critical components of a mission essential task (MET), or key indicators of a unit's readiness, are used to generate CRP for a MET. These critical or key events are designated in the T&R Manual as Evaluation-Coded (E-Coded) events. Formal evaluation of unit performance in these events is recommended because of their value in assessing combat readiness. Only E-Coded events are used to calculate CRP for each MET.

2. The use of a METL-based training program allows the commander discretion in training. This makes the T&R Manual a training tool rather than a prescriptive checklist.

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. Using the battalion-based (unit) model, the battalion (7000-level) has collective events that directly support a MET on the METL. These collective events are E-Coded and 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 4 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: $325 \text{ (total MET CRP)} / 5 \text{ (total number of METS)} = 65\%$

1009. T&R EVENT COMPOSITION

1. This section explains each of the components of a T&R event. These items are included in all events in each T&R Manual.

a. Event Code (see Sect 1006). The event code is a 4-4-4 character set. For individual training events, the first 4 characters indicate the occupational function. The second 4 characters indicate functional area (TAC, CBTS, VOFS, etc.). The third 4 characters are simply a numerical designator for the event.

b. Event Title. The event title is the name of the event.

c. E-Coded. This is a "yes/no" category to indicate whether or not the event is E-Coded. If yes, the event contributes toward the CRP of the associated MET. The value of each E-Coded event is based on number of E-Coded events for that MET. Refer to paragraph 1008 for detailed explanation of E-Coded events.

d. Supported MET(s). List all METs that are supported by the training event.

e. Sustainment Interval. This is the period, expressed in number of months, between evaluation or retraining requirements. Skills and capabilities acquired through the accomplishment of training events are refreshed at pre-determined intervals. It is essential that these intervals are adhered to in order to ensure Marines maintain proficiency.

f. Billet. Individual training events may contain a list of billets within the community that are responsible for performing that event. This ensures that the billet's expected tasks are clearly articulated and a Marine's readiness to perform in that billet is measured.

g. Grade. Each individual training event will list the rank(s) at which Marines are required to learn and sustain the training event.

h. Initial Training Setting. For Individual T&R Events only, this specifies the location for initial instruction of the training event in one of three categories (formal school, managed on-the-job training, distance

learning). Regardless of the specified Initial Training Setting, any T&R event may be introduced and evaluated during managed on-the-job training.

(1) "FORMAL" - When the Initial Training Setting of an event is identified as "FORMAL" (formal school), the appropriate formal school or training detachment is required to provide initial training in the event. Conversely, formal schools and training detachments are not authorized to provide training in events designated as Initial Training Setting "MOJT" or "DL." Since the duration of formal school training must be constrained to optimize Operating Forces' manning, this element provides the mechanism for Operating Forces' prioritization of training requirements for both entry-level (1000-level) and career-level (2000-level) T&R Events. For formal schools and training detachments, this element defines the requirements for content of courses.

(2) "DL" - Identifies the training event as a candidate for initial training via a Distance Learning product (correspondence course or MarineNet course).

(3) "MOJT" - Events specified for Managed On-the-Job Training are to be introduced to Marines, and evaluated, as part of training within a unit by supervisory personnel.

i. Event Description. Provide a description of the event purpose, objectives, goals, and requirements. It is a general description of an action requiring learned skills and knowledge (e.g. Camouflage the M1A1 Tank).

j. Condition. Describe the condition(s), under which tasks are performed. Conditions are based on a "real world" operational environment. They indicate what is provided (equipment, materials, manuals, aids, etc.), environmental constraints, conditions under which the task is performed, and any specific cues or indicators to which the performer must respond. When resources or safety requirements limit the conditions, this is stated.

k. Standard. The standard indicates the basis for judging 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 is strictly adhered to. The standard for collective events is general, describing the desired end-state or purpose of the event. While the standard for individual events specifically describe to what proficiency level in terms of accuracy, speed, sequencing, quality of performance, adherence to procedural guidelines, etc., the event is accomplished.

l. Event Components. Describe the actions composing the event and help the user determine what must be accomplished and to properly plan for the event.

m. 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.

n. Chained Events. Collective T&R events are supported by lower-level collective and individual T&R events. This enables unit leaders to effectively identify subordinate T&R events that ultimately support specific mission essential tasks. When the accomplishment of any upper-level events, by their nature, result in the performance of certain subordinate and related events, the events are "chained." The completion of chained events will update sustainment interval credit (and CRP for E-Coded events) for the related subordinate level events.

o. Related Events. Provide a list of all Individual Training Standards that support the event.

p. References. The training references are utilized to determine task performance steps, grading criteria, and ensure standardization of training procedures. They assist the trainee in satisfying the performance standards, or the trainer in evaluating the effectiveness of task completion. References are also important to the development of detailed training plans.

q. Distance Learning Products (IMI, CBT, MCI, etc.). Include this component when the event can be taught via one of these media methods vice attending a formal course of instruction or receiving MOJT.

r. Support Requirements. This is a list of the external and internal support the unit and Marines will need to complete the event. The list includes, but is not limited to:

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

s. Miscellaneous. Provide any additional information that assists in the planning and execution of the event. Miscellaneous information may include, but is not limited to:

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

2. Community-based T&R Manuals have several additional components not found in unit-based T&R manuals. These additions do not apply to this T&R Manual.

1010. CBRNE TRAINING

1. All personnel assigned to the operating force must be trained in chemical, biological, radiological, and nuclear defense (CBRND), in order to survive and continue their mission in a CBRN 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 a CBRN incident. Basic operating standards are those that the

individual, and collectively the unit, must perform to continue operations in a CBRNE environment.

2. CBRN Officers and Specialists are instrumental in integrating realistic scenarios/situations that challenge units' ability to operate in a CBRN environment. Units should train under CBRNE conditions whenever possible. Per reference (c), all units must be capable of accomplishing their assigned mission in a contaminated environment.

1011. 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 climate 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 individual, crew, and unit proficiency.

1012. OPERATIONAL RISK MANAGEMENT (ORM)

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

2. Commanders, leaders, maintainers, planners, and schedulers will integrate risk assessment in the decision-making process and implement hazard controls to reduce risk to acceptable levels. Applying the ORM process will reduce mishaps, lower costs, and provide for more efficient use of resources. ORM assists the commander in conserving lives and resources and avoiding unnecessary risk, making an informed decision to implement a course of action (COA), identifying feasible and effective control measures where specific measures do not exist, and providing reasonable alternatives for mission accomplishment. Most importantly, ORM assists the commander in determining the balance between training realism and unnecessary risks in training, the impact of training operations on the environment, and the adjustment of training plans to fit the level of proficiency and experience of Sailors/Marines and leaders. Further guidance for ORM is found in references (b) and (d).

1013. APPLICATION OF SIMULATION

1. Simulations/Simulators and other training devices shall be used when they are capable of effectively and economically supplementing training on the

identified training task. Particular emphasis shall be placed on simulators that provide training that might be limited by safety considerations or constraints on training space, time, or other resources. When deciding on simulation issues, the primary consideration shall be improving the quality of training and consequently the state of readiness. Potential savings in operating and support costs normally shall be an important secondary consideration.

2. Each training event contains information relating to the applicability of simulation. If simulator training applies to the event, then the applicable simulator(s) is/are listed in the "Simulation" section and the CRP for simulation training is given. This simulation training can either be used in place of live training, at the reduced CRP indicated; or can be used as a precursor training for the live event, i.e., weapons simulators, convoy trainers, observed fire trainers, etc. It is recommended that tasks be performed by simulation prior to being performed in a live-fire environment. However, in the case where simulation is used as a precursor for the live event, then the unit will receive credit for the live event CRP only. If a tactical situation develops that precludes performing the live event, the unit would then receive credit for the simulation CRP.

1014. MARINE CORPS GROUND T&R PROGRAM

1. The Marine Corps Ground T&R Program continues to evolve. The vision for Ground T&R Program is to publish a T&R Manual for every readiness-reporting unit so that core capability METs are clearly defined with supporting collective training standards, and to publish community-based T&R Manuals for all occupational fields whose personnel augment other units to increase their combat and/or logistic capabilities. The vision for this program includes plans to provide a Marine Corps training management information system that enables tracking of unit and individual training accomplishments by unit commanders and small unit leaders, automatically computing CRP for both units and individual Marines based upon MOS and rank (or billet). Linkage of T&R Events to the Marine Corps Task List (MCTL), through the core capability METs, has enabled objective assessment of training readiness in the DRRS.

2. DRRS measures and reports on the readiness of military forces and the supporting infrastructure to meet missions and goals assigned by the Secretary of Defense. With unit CRP based on the unit's training toward its METs, the CRP will provide a more accurate picture of a unit's readiness. This will give fidelity to future funding requests and factor into the allocation of resources. Additionally, the Ground T&R Program will help to ensure training remains focused on mission accomplishment and that training readiness reporting is tied to units' METLs.

SIGINT T&R MANUAL

CHAPTER 2

MISSION ESSENTIAL TASKS MATRIX

This chapter remains as a placeholder for future use.

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CHAPTER 3

COLLECTIVE EVENTS

This chapter is reserved for future use.

SIGINT T&R MANUAL

CHAPTER 4

MOS 2600 INDIVIDUAL EVENTS

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SIGINT T&R MANUAL

CHAPTER 4

MOS 2600 INDIVIDUAL EVENTS

4000. PURPOSE. This chapter includes all individual training events for the Basic Signals Intelligence/Ground Electronic Warfare Operator. An individual event is an event that a trained Basic Signals Intelligence/Ground Electronic Warfare Operator would accomplish in the execution of Mission Essential Tasks (METs). These events are linked to a Service-Level Mission Essential Task. This linkage tailors individual and collective training for the selected MET. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

4001. EVENT CODING

Events in the T&R Manual are depicted with a 12-digit, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. In some cases, all 12 digits may not be used. This chapter utilizes the following methodology:

- a. Field one. Each event starts with 2600, indicating that the event is for MOS 2600, Basic Signals Intelligence/Ground Electronic Warfare Operator.
- b. Field two. This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

<u>Code</u>	<u>Description</u>	<u>Example</u>
COLL	Collections	2600-COLL-XXXX
COMM	Communication	2600-COMM-XXXX
GENI	General Intelligence	2600-GENI-XXXX
SCTY	Security	2600-SCTY-XXXX
PROD	Production	2600-PROD-XXXX
TRGT	Targeting	2600-TRGT-XXXX

- c. Field three. All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at intermediate/advanced-level schools or MOJT.

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2600-PROD-2005	Conduct intelligence briefs	4-11

4003. 1000-LEVEL EVENTS

2600-COMM-1001: Operate tactical radios

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 3 months

DESCRIPTION: The individual will be able to operate tactical radios.

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references.

STANDARD: To establish secure tactical communications within a time limit established by the commander.

PERFORMANCE STEPS:

1. Apply RF theory.
2. Inventory tactical radio components.
3. Set up tactical radio.
4. Establish communications.
5. Utilize cryptographic equipment to issue, as required.
6. Utilize cryptographic equipment to transfer, as required.
7. Utilize cryptographic equipment to receive, as required.
8. Utilize cryptographic equipment to clone, as required.
9. Perform duties of radio operator.

REFERENCES:

1. CJCSM 6231.04 Manual for Employing Joint Tactical Communications
 2. EKMS 1 Electronic Key Management System
 3. MCRP 3-40.3B Radio Operator's Handbook
 4. UNIT SOP Unit's Standing Operating Procedures
-

2600-COLL-1002: Conduct basic computer operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This is a collective of basic computer tasks that an individual must be able to perform.

MOS PERFORMING: 2600

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given a mission order to facilitate the conduct of SIGINT operations.

STANDARD: To properly set up and operate a computer on a network, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Utilize computer components.
2. Utilize computer peripherals.
3. Utilize computer software.
4. Utilize productivity applications.
5. Describe network fundamentals.
6. Describe classified and unclassified networks.

REFERENCES:

1. ISBN 978-0-596-00148-3 Windows 2000 Commands Pocket Reference
 2. ISBN 9780735615434 Windows XP Professional Academic Learning Series
 3. MICROSOFT OFFICE Excel 2007: Basic 2007, Thomson Course Technology
 4. MICROSOFT OFFICE Outlook 2007: Basic 2007, Thomson Course Technology
 5. MICROSOFT OFFICE PowerPoint 2007: Basic 2007, Thomson Course Technology
 6. MICROSOFT OFFICE Word 2007: Basic 2007, Thomson Course Technology
-

2600-COMM-1003: Employ antennas

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

DESCRIPTION: The individual will be able to employ both Field Expedient Antennas (FEAs) and manufactured antennas.

MOS PERFORMING: 2600

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given an antenna, and an operational transceiver.

STANDARD: To transmit or receive a signal, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify antenna characteristics based on antenna theory.
2. Identify operational constraints associated with FEAs and SL-3 antennas.
3. Identify environmental constraints associated with FEAs and SL-3 antennas.
4. Determine appropriate antennas to utilize based upon characteristics and capabilities of antenna.
5. Employ appropriate antenna.

REFERENCES:

1. Local SOP Local Standard Operating Procedures
 2. MCRP 3-40.3C Field Antenna Handbook
 3. NAVEDTRA 10250 Principles of Radio Wave Transmission
 4. NAVEDTRA 172-10-00-83 Module 10 Introduction to Wave Propagation, Transmission Lines and Antennas
-

2600-SCTY-1004: Apply security procedures

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

DESCRIPTION: The individual will ensure that classified material (to include EKMS) and information is properly safeguarded and its distribution is limited to authorized personnel and communications channels. Classified and sensitive material must be properly marked, stored and protected.

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given classified material and information.

STANDARD: To prevent security violations and compromises.

PERFORMANCE STEPS:

1. Mark all material with proper classification.
2. Store classified material.
3. Account for all classified material, as required.
4. Courier classified material, as required.
5. Destroy classified material, as required.
6. Utilize classified material.
7. Sanitize work spaces, as required.
8. Apply OPSEC measures.
9. Apply INFOSEC measures.
10. Apply COMPUSEC measures.

REFERENCES:

1. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
 2. DODD 5105.21-M-1 Sensitive Compartmented Information (SCI) Security Manual, Administrative Security
 3. Local SOP Local Standard Operating Procedures
 4. SECNAV M-5510.36 DON Information Security Program (ISP) Regulation
-

2600-GENI-1005: Demonstrate a basic understanding of the Intelligence Cycle

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

DESCRIPTION: Demonstrate knowledge of the basic functions and responsibilities of the Intelligence Community, and how it applies to the Intelligence Cycle.

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references and given mission tasking.

STANDARD: To recognize roles and responsibilities of members of the intelligence community, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Identify members of the IC.
3. Identify IC functions.
4. Define the intelligence oversight program.
5. Describe the intelligence cycle.
6. Describe the IC relationships with Foreign Partners.
7. Define the functions of Information Operations (IO).

REFERENCES:

1. MCWP 2-1 Intelligence Operations
 2. MCWP 2-22 Signals Intelligence
-

2600-PROD-1006: Recognize reportable information

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

DESCRIPTION: The individual will evaluate raw information and compare it to Intelligence Requirements (IR) to recognize reportable information.

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Given evaluated and minimized traffic and IRs (intelligence requirements).

STANDARD: To satisfy IRs in the time allotted by the commander.

PERFORMANCE STEPS:

1. Review IRs.
2. Review evaluated and minimized traffic.
3. Identify EEIs.
4. Notify appropriate entities.

REFERENCES:

1. MCWP 2-1 Intelligence Operations
 2. MCWP 2-22 Signals Intelligence
 3. USSID CR1231 (SMGT-2001, 2002, 2003)
 4. USSID CR1283 (SMGT-2001, 2002, 2003, 2005)
 5. USSID CR1284 (SMGT-2001, 2002, 2003, 2005)
 6. USSID CR1400 (SMGT-2002, 2005, 2006)
 7. USSID CR1500 (SMGT-2002, 2005, 2006)
 8. USSID CR1501 (SMGT-2002)
 9. USSID CR1601 CR1610, CR1611 USSID CR1601, CR1610, CR1611
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2600-TRGT-1001: Conduct Electronic Attack

EVALUATION CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Individual will conduct electronic attack against selected targets.

BILLET: EA Team Member

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

INITIAL TRAINING SETTINGS: FORMAL

CONDITION: With the aid of references, given mission tasking, an electronic attack system, and a communication system.

STANDARD: To degrade or disrupt target signals, within a time limit established by the commander, and in accordance with the references.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Conduct electromagnetic spectrum deconfliction.
3. Select appropriate equipment.
4. Operate Electronic Attack equipment.
5. Provide jamming report.

REFERENCES:

1. MCRP 3-16A Tactics, Techniques, and Procedures for the Targeting Process
 2. MCRP 3-16B The Joint Targeting Process and Procedures for Targeting Time-Critical Elements
 3. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
 4. JP 3-60 Joint Doctrine for Targeting
 5. JP 3-13.1 Electronic Warfare
 6. MCWP 3-40.5 Electronic Warfare
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4004. 2000-LEVEL EVENTS

2600-SCTY-2001: Prepare an Emergency Action Plan (EAP)

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Each accredited SCIF or secure area must establish an Emergency Action Plan (EAP) to be approved by the G-2/S-2 or SSO as appropriate.

GRADES: LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid references.

STANDARD: To ensure the safeguard of classified in the event of an emergency, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Create sequence of events.
2. Submit to proper authorities for approval.
3. Conduct rehearsal.

REFERENCES:

1. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
 2. DODD 5105.21-M-1 Sensitive Compartmented Information (SCI) Security Manual, Administrative Security
 3. SECNAVINST 5510.30 DON Personnel Security Program (PSP) Regulation
 4. UNIT SOP Unit's Standing Operating Procedures
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2600-PROD-2002: Produce non-standard reports

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Individual will utilize SIGINT data provided to produce a SIGINT report.

GRADES: LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given SIGINT data and production equipment.

STANDARD: To identify SIGINT activity based on SIGINT data previously collected, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify the various SIGINT activity.
2. Identify proper report for reporting SIGINT activity.
3. Produce SIGINT activity report.

REFERENCES:

1. DCGS
 2. DOTMLPF Doctrine Organization Training Materiel Leadership Personnel Facilities
 3. Local SOP Local Standard Operating Procedures
 4. MCWP 2-22 Signals Intelligence
 5. MCWP 3-40.5 Electronic Warfare
 6. SEDSCAF Standard Electronic Intelligence Data Systems Codes and Formats Manual
-

2600-SCTY-2003: Establish a Tactical/Mobile Sensitive Compartmented Information Facility (TSCIF/MSCIF)

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

DESCRIPTION: TSCIF/MSCIFs are established to conduct TS/SCI operations.

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references and given mission tasking.

STANDARD: To support mission requirements, in the time allotted by the commander.

PERFORMANCE STEPS:

1. Review TSCIF/MSCIF requirements.
2. Obtain site location from advance party personnel, as required.
3. Request to establish a TSCIF/MSCIF.
4. Establish physical security requirements.
5. Send TSCIF/MSCIF activation message.
6. Prepare an Emergency Destruction Plan (EDP).
7. Brief TSCIF/MSCIF personnel on security matters.
8. Maintain TSCIF/MSCIF access roster.
9. Conduct final TSCIF/MSCIF inspection.
10. Send TSCIF/MSCIF deactivation message.

REFERENCES:

1. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
 2. DODD 5200.1 DOD Information Security Program
 3. DODD TS-5105.21-M-2 Sensitive Compartmented Information (SCI) Security Manual, Communications Intelligence (COMINT) Policy
 4. SECNAVINST 5510.30 DON Personnel Security Program (PSP) Regulation
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2600-SCTY-2004: Construct a Field Expedient Antenna (FEA)

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

DESCRIPTION: SIGINT analysts/operators will be able to construct field expedient antennas.

GRADES: CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given mission tasking, antenna equipment, and currently fielded communications equipment and/or collection equipment.

STANDARD: To establish communications, in the time allotted by the commander.

PERFORMANCE STEPS:

1. Identify the appropriate FEA.
2. Determine the length of the antenna.
3. Gather required materials.
4. Select a site.
5. Construct antenna.
6. Connect antenna to equipment.
7. Establish communications, as required.
8. Establish collections, as required.

REFERENCES:

1. Local SOP Local Standard Operating Procedures
 2. MCRP 3-40.3C Field Antenna Handbook
 3. NAVEDTRA 10250 Principles of Radio Wave Transmission
 4. NAVEDTRA 172-10-00-83 Module 10 Introduction to Wave Propagation, Transmission Lines and Antennas
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2600-PROD-2005: Conduct Intelligence briefs

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

DESCRIPTION: Individual must gather information and intelligence to orally brief an audience.

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given mission tasking, and appropriate briefing materials.

STANDARD: To convey the information in a clear and concise manner, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Gather information resources.
3. Analyze data.

4. Prepare brief.
5. Deliver brief.
6. Follow up to answer questions.

REFERENCES:

1. Local SOP Local Standard Operating Procedures
 2. MCWP 2-22 Signals Intelligence
-

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CHAPTER 5

MOS 2602 INDIVIDUAL EVENTS

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SIGINT T&R MANUAL

CHAPTER 5

MOS 2602 INDIVIDUAL EVENTS

5000. **PURPOSE.** This chapter includes all individual training events for the Signals Intelligence/Electronic Warfare Officer. An individual event is an event that a trained Signals Intelligence/Electronic Warfare Officer would accomplish in the execution of Mission Essential Tasks (METs). These events are linked to a Service-Level Mission Essential Task. This linkage tailors individual and collective training for the selected MET. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

5001. **EVENT CODING.** Events in the T&R Manual are depicted with a 12-digit, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. In some cases, all 12 digits may not be used. This chapter utilizes the following methodology:

a. Field one. Each event starts with 2602, indicating that the event is for MOS 2602, Signals Intelligence/Electronic Warfare Officer.

b. Field two. This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

<u>Code</u>	<u>Description</u>	<u>Example</u>
SMGT	Signals Management	2602-SMGT-XXXX

c. Field three. All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at intermediate/advanced-level schools or MOJT. This chapter only contains 2000-level events.

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5003. 2000-LEVEL EVENTS

2602-SMGT-2001: Evaluate Technical SIGINT/EW mission readiness

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Identify all resource requirements and advise commander on technical solutions with respect to SIGINT/EW readiness.

MOS PERFORMING: 2602

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given mission requirements and/or tasking, and authorized resources.

STANDARD: To ensure all technical requirements are identified and addressed, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Validate technical SIGINT operational readiness.
2. Validate T/O&E for a SIGINT unit.
3. Determine equipment employment and shortfalls for a SIGINT unit.
4. Advise commander on SIGINT mission requirements.
5. Apply legal considerations to ensure Intelligence Oversight compliance, as required.
6. Direct coordination with external agencies.
7. Validate SIGINT unit training plan.
8. Advise commander on SCIF/T-SCIF operations.
9. Advise commander on Emergency Action Plan (EAP).
10. Coordinate with higher headquarters (HHQ), as required.
11. Brief the capabilities and limitations of SIGINT support to operations.
12. Review lessons learned and after action reports on SIGINT operations.

REFERENCES:

1. JP 2-01 Joint Intelligence Support to Military Operations
2. MCDP 1-0 Marine Corps Operations, Sep 2001
3. MCDP 3 Expeditionary Operations
4. MCDP 4 Logistics
5. MCDP 5 Planning
6. MCRP 2-3A Intelligence Preparation of the Battlefield/Battlespace
7. MCRP 5-12D Organization of Marine Corps Forces
8. MCWP 2-22 Signals Intelligence

2602-SMGT-2002: Manage Technical SIGINT/EW production

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Supervise production and reporting to satisfy information and intelligence requirements.

MOS PERFORMING: 2602

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given information requirements, tasking, collected information, and authorized resources.

STANDARD: To satisfy information requirements, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review information requirements and/or tasking.
2. Apply legal considerations, as required.
3. Determine reporting criteria.
4. Validate appropriate reporting vehicles.
5. Supervise production of SIGINT product(s).
6. Supervise SIGINT reporting to 2nd and 3rd party customers.
7. Supervise SIGINT reporting to allied and coalition customers.
8. Release SIGINT reports.
9. Participate in all-source fusion analysis.
10. Provide technical information to supported units, as required.

REFERENCES:

1. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
2. DoD Regulation 5240.1-R Procedures Governing DoD Intelligence Components Affecting U.S. Persons
3. DoDI 3305.09 DoD Cryptologic Training
4. EO 12333 U.S. Intelligence Activities (As Amended)
5. JP 2-0 Doctrine for Intelligence Support to Joint Operations
6. JP 2-01 Joint and National Intelligence Support to Military Operations
7. MCDP 1-0 Marine Corps Operations, Sep 2001
8. MCDP 3 Expeditionary Operations
9. MCDP 5 Planning
10. MCO 1553.3 Unit Training Management
11. MCRP 2-3A Intelligence Preparation of the Battlefield/Battlespace
12. MCRP 5-12D Organization of Marine Corps Forces
13. MCWP 2-22 Signals Intelligence
14. NSA/CSS Policy 1-23 Procedures Governing NSA/CSS Activities That Affect U.S. Persons
15. USSID SP0018 USSID SP0018

2602-SMGT-2003: Supervise SIGINT collection management

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Coordinate, request, and/or direct collection tasking to maximize SIGINT collection utilizing assets at all echelons.

MOS PERFORMING: 2602

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given information requirements and/or tasking, and authorized resources.

STANDARD: To satisfy information requirements, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review information requirements and mission tasking.
2. Identify SIGINT authorities.
3. Apply legal considerations, as required.
4. Provide SIGINT capabilities to overall collection plan.
5. Identify SIGINT collection gaps to overall collection plan.
6. Coordinate with national and theater agencies, as required.
7. Develop SIGINT architecture.
8. Manage collection assets.
9. Evaluate collection effectiveness.

REFERENCES:

1. DODD S-3115.7 Signals Intelligence
2. FM 34-2 Collection Management and Synchronization Planning
3. MCDP 5 Planning
4. MCRP 2-3A Intelligence Preparation of the Battlefield/Battlespace
5. MCWP 2-1 Intelligence Operations
6. MCWP 2-22 Signals Intelligence
7. MCWP 3-40.5 Electronic Warfare
8. Radio Battalion SOPs Radio Battalion SOPs
9. USSIDS United States Signals Intelligence Directives

2602-SMGT-2004: Manage SIGINT/EW Equipment integration

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: As a Systems Integration Management Officer (SIMO), research, procure, integrate, and maintain SIGINT/EW related capabilities in support of SIGINT operations and training.

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given commanders intent or mission tasking, and authorized resources.

STANDARD: To ensure operational relevancy, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify capabilities and limitations of all organic SIGINT assets.
2. Research solutions to address mission shortfalls.
3. Produce formalized documentation.
4. Validate POR documentation.
5. Facilitate contracting and acquisition services.
6. Provide SIGINT equipment assets and resources.
7. Ensure systems have Authority to Operate (ATO).
8. Coordinate equipment training.
9. Coordinate integration of new capabilities into SIGINT architecture.
10. Ensure integration capabilities into program of record.
11. Manage SIGINT capability readiness.

REFERENCES:

1. MCWP 3-40.3 Communications and Information Systems
 2. Applicable Software User and Reference Guide
-

2602-SMGT-2005: Direct Electronic Warfare (EW) Operations

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Direct and coordinate EW assets to support mission requirements to maximize SIGINT effectiveness at all echelons.

MOS PERFORMING: 2602

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given information requirements and/or tasking, and authorized resources.

STANDARD: To ensure proper conduct and execution of EW operations, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review information requirements and/or tasking.
2. Apply legal considerations, as required.
3. Conduct EW mission planning.
4. Present COAs based on analysis of SIGINT information.
5. Provide technical support to EW operations planning.
6. Coordinate with national and theater agencies, as required.
7. Deconflict EW operations with higher and adjacent headquarters.
8. Direct SIGINT support to the targeting process.
9. Direct SIGINT/EW support to Information Operations (IO).
10. Advise on methodology of direction finding (DF) and geo-location resources to locate targets.

11. Determine measure of effectiveness (MOE) and/or battle damage assessment (BDA).
12. Direct SIGINT support to personnel recovery efforts, as required.

REFERENCES:

1. Air Tasking Order (ATO) Air Tasking Order (ATO)
2. JP 3-13.1 Joint Doctrine for Command and Control Warfare
3. MCWP 2-22 Signals Intelligence
4. Radio Battalion SOPs Radio Battalion SOPs

2602-SMGT-2006: Direct computer network operations (CNO)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Direct computer network operations (CNO) in support of mission requirements to maximize SIGINT effectiveness utilizing assets at all echelons.

MOS PERFORMING: 2602

GRADES: WO-1, CWO-2, CWO-3, CWO-4, CWO-5

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given information requirements and/or tasking, and authorized resources.

STANDARD: To ensure proper conduct and execution of network operations, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review information requirements.
2. Apply legal considerations, as required.
3. Provide technical support to the operation(s).
4. Coordinate with national agencies, as required.
5. Deconflict network operations with higher and adjacent headquarters.
6. Present various CNO COAs based on analysis conducted.
7. Integrate the execution of CNO with current planned operations.
8. Direct SIGINT support to the targeting process.
9. Direct SIGINT support to Information Operations (IO).
10. Evaluate measure of effectiveness (MOE) and/or battle damage assessment (BDA).

REFERENCES:

1. DCID 7/3 Information Operations and Intelligence Community related Activities
2. DODD 5240.1 DoD Intelligence Activities
3. DODI S-5240.mm Counterintelligence In Cyberspace
4. DoDD O-3600.3 Technical Assurance Standards for computer Network Attack (CNA)
5. Document 5a. NSCID No 6 Signals Intelligence
6. EO 12333 U.S. Intelligence Activities (As Amended)

7. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
 8. JP 2-02 National Intelligence Support to Joint Operations
 9. JP 3-13 Joint Doctrine for Information Operations
 10. MCWP 2-22 Signals Intelligence
 11. MOA DOD/IC Memorandum of Agreement between the DOD and IC regarding CAN/CNE Activities, 2 Apr 2004
 12. NSA/CSS Policy 1-58 NSA/CSS Policy 1-58
 13. SIGINT FOC Marine Corps SIGINT Future Operating Concept 2009-2015, 15 Jan 2009
 14. USSID DA3655 Computer Network Exploitation
 15. USSID DA3857 USSID DA3857
 16. USSID SG5000 USSID SG5000
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CHAPTER 6

MOS 2611 INDIVIDUAL EVENTS

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SIGINT T&R MANUAL

CHAPTER 6

MOS 2611 INDIVIDUAL EVENTS

6000. **PURPOSE.** This chapter includes all individual training events for the Cryptologic Digital Network Technician/Analyst. An individual event is an event that a trained Cryptologic Digital Network Technician/Analyst would accomplish in the execution of Mission Essential Tasks (METs). These events are linked to a Service-Level Mission Essential Task. This linkage tailors individual and collective training for the selected MET. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

6001. **EVENT CODING.** Events in the T&R Manual are depicted with a 12-digit, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. In some cases, all 12 digits may not be used. This chapter utilizes the following methodology:

a. **Field one.** Each event starts with 2600, indicating that the event is for MOS 2611, Cryptologic Digital Network Technician/Analyst.

b. **Field two.** This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

<u>Code</u>	<u>Description</u>	<u>Example</u>
ANYS	Analysis	2611-ANYS-XXXX
COLL	Collections	2611-COLL-XXXX
EXPL	Exploitation	2611-EXPL-XXXX
PROD	Production	2611-PROD-XXXX

c. **Field three.** All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at intermediate/advanced-level schools or MOJT. This chapter only contains 2000-level events.

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2611-PROD-1004	Produce Digital Network Information Reports	6-6

6003. 1000-LEVEL EVENTS

2611-COLL-1001: Collect Signals of Interest in the Cyber Domain

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The Digital Network Operator will identify and collect on networks of interest to satisfy the mission requirements.

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, currently fielded SIGINT/EW equipment, and a target environment.

STANDARD: To identify potential target(s) for further prosecution, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Select appropriate equipment.
3. Prosecute the target environment.
4. Identify characteristics of the network.

REFERENCES:

1. DODD 5240.1 DoD Intelligence Activities
 2. Executive Order 12333 United States Intelligence Activities
 3. NSA/CSS Policy 1-58 NSA/CSS Policy 1-58
 4. USSID DA3655 Computer Network Exploitation
 5. USSID DA3857 USSID DA3857
 6. USSID SG5000 USSID SG5000
-

2611-EXPL-1002: Exploit Networks of Interest in the Cyber Domain

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The Digital Network Operator will process and exploit networks of interest to satisfy intelligence requirements.

MOS PERFORMING: 2611

GRADES: CPL, SGT, SSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, currently fielded SIGINT/EW equipment, and collected data.

STANDARD: Exploit targeted networks to answer IRs, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Apply legal considerations.
3. Select appropriate equipment, tools and techniques.
4. Process data.
5. Exploit the target environment.

REFERENCES:

1. DODD 5240.1 DoD Intelligence Activities
 2. Executive Order 12333 United States Intelligence Activities
 3. MCWP 2-22 Signals Intelligence
 4. NSA/CSS Policy 1-58 NSA/CSS Policy 1-58
 5. USSID DA3655 Computer Network Exploitation
 6. USSID DA3857 USSID DA3857
 7. USSID SG5000 USSID SG5000
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2611-ANYS-1003: Conduct basic network analysis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The Digital Network Operator must conduct basic analysis to refine the collection effort and validate follow-on targeting and exploitation.

MOS PERFORMING: 2611

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given a signals environment, collected traffic, and currently fielded SIGINT/EW equipment.

STANDARD: To refine the collection effort and validate follow-on targeting and exploitation, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Apply legal considerations.
2. Identify potential target vulnerabilities.
3. Conduct traffic analysis.
4. Create a network topology.
5. Conduct network analysis.

REFERENCES:

1. Executive Order 12333 United States Intelligence Activities
 2. NSA/CSS Policy 1-58 NSA/CSS Policy 1-58
 3. USSID DA3655 Computer Network Exploitation
 4. USSID DA3857 USSID DA3857
 5. USSID SG5000 USSID SG5000
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2611-PROD-1004: Produce Digital Network Information Reports

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The Digital Network Operator will produce Digital Network Information Reports to satisfy intelligence requirements ensuring reporting time limits are met as required.

MOS PERFORMING: 2611

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, and relevant data.

STANDARD: To report information on a specific target, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Evaluate data.
3. Prepare a technical report.

REFERENCES:

1. UNIT SOP Unit's Standing Operating Procedures
 2. USSID CR1400 (SMGT-2002, 2005, 2006)
 3. USSID CR1500 (SMGT-2002, 2005, 2006)
 4. USSID SP0009 USSID SP0009
 5. USSID SP0018 USSID SP0018
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SIGINT T&R MANUAL

CHAPTER 7

MOS 2621 INDIVIDUAL EVENTS

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SIGINT T&R MANUAL

CHAPTER 7

MOS 2621 INDIVIDUAL EVENTS

7000. PURPOSE. This chapter includes all individual training events for the Special Communication Signals Collection Operator/Analyst. An individual event is an event that a trained Special Communication Signals Collection Operator/Analyst would accomplish in the execution of Mission Essential Tasks (METs). These events are linked to a Service-Level Mission Essential Task. This linkage tailors individual and collective training for the selected MET. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

7001. EVENT CODING

Events in the T&R Manual are depicted with a 12-digit, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. In some cases, all 12 digits may not be used. This chapter utilizes the following methodology:

a. Field one. Each event starts with 2600, indicating that the event is for MOS 2621, Special Communication Signals Collection Operator/Analyst.

b. Field two. This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

<u>Code</u>	<u>Description</u>	<u>Example</u>
ANYS	Analysis	2621-ANYS-XXXX
COLL	Collections	2621-COLL-XXXX
PROC	Process	2621-PROC-XXXX

c. Field three. All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at intermediate/advanced-level schools or MOJT. This chapter only contains 2000-level events.

7002. INDEX OF INDIVIDUAL EVENTS

EVENT	TITLE	PAGE
1000-LEVEL EVENTS		
2621-COLL-1001	Collect Signals of Interest in the Electromagnetic Spectrum	7-4
2621-PROC-1002	Conduct basic signals processing	7-4
2621-ANYS-1004	Conduct network analysis	7-5
2000-LEVEL EVENTS		
2621-ANYS-2001	Conduct nodal analysis	7-7
2621-ANYS-2002	Provide COMINT support to Battle Damage Assessment (BDA)	7-7

7003. 1000-LEVEL EVENTS

2621-COLL-1001: Collect Signals of Interest in the Electromagnetic Spectrum

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 3 months

DESCRIPTION: The Communications Signals Collector will identify signals of interests and associate various signal characteristics to successfully target communication emitters.

MOS PERFORMING: 2621

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, currently fielded SIGINT/EW equipment, and a target environment.

STANDARD: To identify potential target(s) for further prosecution, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Select appropriate equipment.
3. Prosecute the target environment.
4. Identify characteristics of signal.

REFERENCES:

1. EA-100 Basic SIGINT Technology
 2. EA-269 Signals Search and Analysis Training Course
 3. No Pub ID NSGT Series Radio Wave Modulation and Signal Multiplexing
 4. No Pub ID RASIN Manual
-

2621-PROC-1002: Conduct basic signals processing

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: During the course of processing information, the Signals Analyst will conduct basic processing of intercepted signals from raw signaling to useable information.

MOS PERFORMING: 2621

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, currently fielded SIGINT/EW equipment, and signals of interest,

STANDARD: To produce useable information, in a timeframe dictated by the operational environment.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Determine appropriate Signals Intelligence (SIGINT) Electronic Warfare (EW) equipment.
3. Apply appropriate techniques to create usable format.
4. Apply principles of COMSEC.
5. Store, as required.
6. Forward, as required.

REFERENCES:

1. MCDP 1-0 Marine Corps Operations, Sep 2001
 2. MCWP 2-1 Intelligence Operations
 3. MCWP 2-22 Signals Intelligence
 4. USSIDS United States Signals Intelligence Directives
-

2621-ANYS-1004: Conduct network analysis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The COMINT Analyst will analyze target metadata to satisfy intelligence requirements.

MOS PERFORMING: 2621

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given COMINT mission tasking, granted access to databases, and a currently fielded analysis and reporting system.

STANDARD: To determine the structure and organization of targeted systems, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review COMINT mission tasking.
2. Access appropriate database(s).
3. Process national and theatre level data.
4. Perform metadata analysis.
5. Identify network infrastructure(s).
6. Identify critical nodes.
7. Assist in the development of integrated intelligence products.

REFERENCES:

1. MCWP 2-1 Intelligence Operations
2. MCWP 2-3 MAGTF Intelligence Production and Analysis
3. MCWP 2-4 Marine Air-Ground Task Force Intelligence Dissemination
4. MCWP 3-40.5 Electronic Warfare

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5. MCWP 5-1 Marine Corps Planning Process
 6. SECNAVINST 5510.34A Disclosure of Classified Military Information and Controlled Unclassified Information to Foreign Governments, International Organizations, and Foreign Representatives
-

7004. 2000-LEVEL EVENTS

2621-ANYS-2001: Conduct nodal analysis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The individual must evaluate the communications network of a target to identify critical nodes.

MOS PERFORMING: 2621

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given an OP order, a collection file and/or collection transcript, and a currently fielded analysis and reporting system.

STANDARD: To evaluate critical nodes for exploitability, continued collection, and/or targeting, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review OP order.
2. Determine the various nodes.
3. Identify critical nodes.
4. Prioritize various critical nodes of communications networks.
5. Determine method of prosecution.
6. Recommend priority for tasking.

REFERENCES:

1. MCRP 2-3A Intelligence Preparation of the Battlefield/Battlespace
 2. MCWP 2-22 Signals Intelligence
 3. MCWP 2-3 MAGTF Intelligence Production and Analysis
-

2621-ANYS-2002: Provide COMINT support to Battle Damage Assessment (BDA)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The individual will provide the unit commander with timely battle damage assessments as required.

MOS PERFORMING: 2621

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given a target environment, and currently fielded SIGINT/EW equipment.

STANDARD: To identify and report the BDA information, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Identify Commanders requirements.
2. Identify enemy battle damage information.
3. Provide intelligence regarding battle damage assessment.

REFERENCES:

1. Local SOP Local Standard Operating Procedures
 2. USSID 4 Concept of SIGINT Support to Military Commanders
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SIGINT T&R MANUAL

CHAPTER 8

MOS 2629 INDIVIDUAL EVENTS

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SIGINT T&R MANUAL

CHAPTER 8

MOS 2629 INDIVIDUAL EVENTS

8000. **PURPOSE.** This chapter includes all individual training events for the Signals Intelligence Analyst. An individual event is an event that a trained Signals Intelligence Analyst would accomplish in the execution of Mission Essential Tasks (METs). These events are linked to a Service-Level Mission Essential Task. This linkage tailors individual and collective training for the selected MET. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

8001. **EVENT CODING.** Events in the T&R Manual are depicted with a 12-digit, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. In some cases, all 12 digits may not be used. This chapter utilizes the following methodology:

a. Field one. Each event starts with 2600, indicating that the event is for MOS 2629, Signals Intelligence Analyst.

b. Field two. This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

<u>Code</u>	<u>Description</u>	<u>Example</u>
ANYS	Analysis	2629-ANYS-XXXX
DISS	Dissemination	2629-DISS-XXXX
PLAN	Planning	2629-PLAN-XXXX
PROD	Production	2629-PROD-XXXX

c. Field three. All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at intermediate/advanced-level schools or MOJT. This chapter only contains 2000-level events.

8002. INDEX OF INDIVIDUAL EVENTS

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2629-PROD-2001	Provide Signals Intelligence input to the IPB	8-4
2629-ANYS-2002	Manipulate intelligence databases	8-4
2629-ANYS-2003	Conduct SIGINT analysis	8-5
2629-PROD-2004	Produce SIGINT reports	8-6
2629-PLAN-2005	Provide support to the collection plan	8-6
2629-DISS-2006	Disseminate SIGINT	8-7

8003. 2000-LEVEL EVENTS

2629-PROD-2001: Provide Signals Intelligence input to the IPB

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The SIGINT Analyst will consolidate intelligence information in order to construct SIGINT input to the IPB.

MOS PERFORMING: 2629

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, data and analysis tools.

STANDARD: To satisfy required tasking, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Gather data.
3. Analyze data.
4. Sanitize as required.
5. Disseminate.

REFERENCES:

1. FM 34-130 Intelligence Preparation of the Battle Field
 2. JP 2-03 Joint Tactics, Techniques, and Procedures for Joint NSA/CSS Policy
1-23 Procedures Governing NSA/CSS Activities that Affect U.S. Persons
 3. MCWP 2-12.1 Geographic Intelligence
-

2629-ANYS-2002: Manipulate intelligence databases

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The individual will utilize and maintain all applicable intelligence databases.

MOS PERFORMING: 2629

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, a currently fielded analysis and reporting system, and granted access to databases.

STANDARD: To archive, retrieve and compile appropriate data to satisfy existing intelligence requirements, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking and intelligence requirements.
2. Access appropriate database(s).
3. Compile applicable data.
4. Create organic databases.
5. Maintain organic databases.
6. Populate appropriate databases.

REFERENCES:

1. DoDI 3305.09 DoD Cryptologic Training
 2. NSA/CSS Policy 1-23 Procedures Governing NSA/CSS Activities That Affect U.S. Persons
 3. No Pub ID Technical Control and Analysis Center Description Document
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2629-ANYS-2003: Conduct SIGINT analysis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

MOS PERFORMING: 2629

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, intelligence information, database access and a currently fielded analysis and reporting system.

STANDARD: To satisfy intelligence requirements, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Access database(s) as required.
3. Review collected data and previous reporting.
4. Identify relevant information.
5. Conduct traffic analysis.
6. Conduct network analysis.
7. Correlate collected data.
8. Create SIGINT analysis product(s) as required.

REFERENCES:

1. FM 34-1 Intelligence and Electronic Warfare Operations
2. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
3. JP 3-60 Joint Doctrine for Targeting
4. MCRP 3-16A Tactics, Techniques, and Procedures for the Targeting Process
5. MCWP 3-40.5 Electronic Warfare
6. TRAF-2101 Basic Communications Analysis

7. USSID CR1400 (SMGT-2002, 2005, 2006)
 8. USSID CR1500 (SMGT-2002, 2005, 2006)
 9. USSID SP0009 USSID SP0009
 10. USSID SP0018 USSID SP0018
 11. USSIDS United States Signals Intelligence Directives
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2629-PROD-2004: Produce SIGINT reports

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The SIGINT Analyst will produce standard and non-standard SIGINT reports to satisfy intelligence requirements ensuring reporting time limits are met as required.

MOS PERFORMING: 2629

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, collected data and a currently fielded analysis and reporting system.

STANDARD: To satisfy intelligence requirements, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Process collected data.
3. Determine the appropriate reporting vehicle.
4. Produce Time Sensitive SIGINT reports established by the governing USSID.
5. Produce non-standard reports.
6. Produce other standard reports, as required.

REFERENCES:

1. Local SOP Local Standard Operating Procedures
 2. USSID CR1400 (SMGT-2002, 2005, 2006)
 3. USSID CR1500 (SMGT-2002, 2005, 2006)
 4. USSID SP0009 USSID SP0009
 5. USSID SP0018 USSID SP0018
 6. USSIDS United States Signals Intelligence Directives
-

2629-PLAN-2005: Provide support to the collection plan

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The SIGINT Analyst will assist the collection management effort to satisfy intelligence requirements.

MOS PERFORMING: 2629

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, collection plan, collection assets, and a currently fielded analysis and reporting system.

STANDARD: To satisfy intelligence requirements, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Identify available collection assets capabilities and limitations.
3. Identify available external resources.
4. Identify collection gaps.
5. Provide input to the development of the collection plan.
6. Assist in the execution of the collection plan.

REFERENCES:

1. JP 1-02 DOD Dictionary of Military and Associated Terms
 2. JP 2-01 Joint and National Intelligence Support to Military Operations
 3. Local SOP Local Standard Operating Procedures
 4. MCWP 2-1 Intelligence Operations
 5. MCWP 2-12 MAGTF Intelligence Production and Analysis
 6. MCWP 2-22 Signals Intelligence
 7. National Intelligence Priorities Framework (NIPF) National Intelligence Priorities Framework (NIPF)
 8. No Pub ID Technical Control and Analysis Center Description Document
-

2629-DISS-2006: Disseminate SIGINT

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The SIGINT Analyst will disseminate SIGINT utilizing appropriate, available, and authorized distribution mediums and reporting vehicles to authorized consumers ensuring reporting time limits are met as required.

MOS PERFORMING: 2629

GRADES: CPL, SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, a SIGINT product, available and authorized communication mediums, and a currently fielded analysis and reporting system.

STANDARD: To authorized consumers, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Review SIGINT product.
3. Determine available, appropriate, and authorized dissemination medium.
4. Coordinate with external releasing authorities as required.
5. Sanitize SIGINT to the GENSER level, as required.
6. Disseminate products.

REFERENCES:

1. MCWP 2-1 Intelligence Operations
 2. MCWP 2-12 MAGTF Intelligence Production and Analysis
 3. MCWP 2-4 Marine Air-Ground Task Force Intelligence Dissemination
 4. MCWP 5-1 Marine Corps Planning Process
 5. SECNAVINST 5510.34A Disclosure of Classified Military Information and Controlled Unclassified Information to Foreign Governments, International Organizations, and Foreign Representatives
 6. USSID CR1400 (SMGT-2002, 2005, 2006)
 7. USSID CR1500 (SMGT-2002, 2005, 2006)
 8. USSIDS United States Signals Intelligence Directives
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SIGINT T&R MANUAL

CHAPTER 9

MOS 2631 INDIVIDUAL EVENTS

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SIGINT T&R MANUAL

CHAPTER 9

MOS 2631 INDIVIDUAL EVENTS

9000. PURPOSE. This chapter includes all individual training events for the Electronic Intelligence Intercept Operator/Analyst. An individual event is an event that a trained Electronic Intelligence Intercept Operator/Analyst Operator would accomplish in the execution of Mission Essential Tasks (METs). These events are linked to a Service-Level Mission Essential Task. This linkage tailors individual and collective training for the selected MET. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

9001. EVENT CODING. Events in the T&R Manual are depicted with a 12-digit, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. In some cases, all 12 digits may not be used. This chapter utilizes the following methodology:

a. Field one. Each event starts with 2600, indicating that the event is for MOS 2600, Electronic Intelligence Intercept Operator/Analyst.

b. Field two. This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

<u>Code</u>	<u>Description</u>	<u>Example</u>
ANYS	Analysis	2631-ANYS-XXXX
GENI	General Intelligence	2631-GENI-XXXX
PLAN	Planning	2631-PLAN-XXXX

c. Field three. All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at intermediate/advanced-level schools or MOJT. This chapter only contains 2000-level events.

9002. INDEX OF INDIVIDUAL EVENTS

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1000-LEVEL EVENTS		
2631-ANYS-1001	Maintain the Electronic Order of Battle (EOB)	9-4
2631-ANYS-1002	Operate Integrated Broadcast Receiver (IBR)	9-4
2631-ANYS-1003	Process intelligence broadcast data	9-5
2631-ANYS-1004	Conduct network analysis	9-6
2000-LEVEL EVENTS		
2631-GENI-2001	Conduct post-mission analysis	9-7
2631-PLAN-2002	Integrate available SIGINT assets	9-7

9003. 1000-LEVEL EVENTS

2631-ANYS-1001: Maintain the Electronic Order of Battle (EOB)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Consolidate multiple source ELINT data to create and maintain situational awareness of emitter location and parametric data for an area of interest.

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, mission tasking, and multiple sources of ELINT data.

STANDARD: To support mission requirements, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Gather resources.
3. Utilize appropriate databases for emitter location.
4. Compile ELINT data.
5. Analyze ELINT data.
6. Correlate parametric data to platforms.
7. Create EOB.
8. Maintain and update EOB as required.

REFERENCES:

1. EPL List Elint Parameters Limits List
2. IBUG IBUG
3. JANES All the Worlds Aircraft
4. No Pub ID Gale Lite Users Guide
5. Radio Battalion SOPs Radio Battalion SOPs
6. Relevant country Fact Book from the Central Intelligence Agency World.
NAVMC 3500.65 Relevant country Fact Book from the Central Intelligence Agency World. NAVMC 3500.65
7. USSID AP2401 USSID AP2401
8. USSID AP2402 USSID AP2402
9. VMAQ SOP VMAQ SOP

2631-ANYS-1002: Operate Integrated Broadcast Receiver (IBR)

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: Marines will operate currently fielded IBRs to provide near real time data (NRTD) to support mission tasking.

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given the appropriate EKMS equipment.

STANDARD: To receive intelligence data from intelligence broadcasts, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Conduct operational checks.
2. Obtain broadcast settings.
3. Identify COMSEC needed.
4. Load COMSEC.
5. Verify currently fielded reporting and analysis system can communicate with the IBR.
6. Sign on to the broadcast(s).

REFERENCES:

1. IBUG IBUG
 2. Local SOP Local Standard Operating Procedures
 3. TM Technical Manuals
-

2631-ANYS-1003: Process intelligence broadcast data

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 3 months

DESCRIPTION: Operate the currently fielded Tactical Data Processor (TDP) to graphically and parametrically display broadcast intelligence data to aid in satisfying mission requirements.

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, a currently fielded reporting and analysis system, currently fielded TDP, and an IBS feed.

STANDARD: To display and manipulate intelligence data to satisfy mission requirements, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Establish connectivity to the intelligence broadcast.
3. Conduct data query.
4. Manipulate intelligence data to satisfy mission requirements.
5. Report Indications and Warning (I&W) information.

REFERENCES:

1. EPL List Elint Parameters Limits List
 2. Local SOP Local Standard Operating Procedures
 3. No Pub ID Gale Lite Users Guide
 4. TCAC Operators Guide TCAC Operators Guide
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2631-ANYS-1004: Conduct network analysis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The ELINT Analyst will analyze target metadata to satisfy intelligence requirements.

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given ELINT National SIGINT Requirements List (NSRL) tasking, granted access to databases, and a currently fielded analysis and reporting system.

STANDARD: To determine the structure and organization of targeted systems, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review ELINT National SIGINT Requirements List (NSRL) tasking.
2. Access appropriate database(s).
3. Process national and theatre level data.
4. Perform metadata analysis.
5. Identify network infrastructure(s).
6. Identify critical nodes.
7. Assist in the development of integrated intelligence products.

REFERENCES:

1. MCWP 2-1 Intelligence Operations
 2. MCWP 2-3 MAGTF Intelligence Production and Analysis
 3. MCWP 2-4 Marine Air-Ground Task Force Intelligence Dissemination
 4. MCWP 3-40.5 Electronic Warfare
 5. MCWP 5-1 Marine Corps Planning Process
 6. SECNAVINST 5510.34A Disclosure of Classified Military Information and Controlled Unclassified Information to Foreign Governments, International Organizations, and Foreign Representatives
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9004. 2000-LEVEL EVENTS

2631-GENI-2001: Conduct post-mission analysis

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The individual will process raw information collected by EW collection platforms to produce intelligence. This will result in parametric and location data for emitters.

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

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given mission tasking, and currently fielded reporting and analysis system.

STANDARD: To locate and identify emitters to satisfy mission requirements, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Debrief aircrew.
3. Load mission on currently fielded reporting and analysis system.
4. Analyze raw data.
5. Utilize appropriate databases to aid in emitter location.
6. Correlate parametric data to emitter platforms.
7. Draft appropriate message for dissemination.
8. Develop graphical depiction of emitter location.

REFERENCES:

1. EPL List Elint Parameters Limits List
 2. MCWP 2-22 Signals Intelligence
 3. MCWP 3-40.5 Electronic Warfare
 4. TCAC Operators Guide TCAC Operators Guide
 5. USSIDS United States Signals Intelligence Directives
 6. VMAQ SOP VMAQ SOP
-

2631-PLAN-2002: Integrate available SIGINT assets

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The ELINT Analyst will liaison with national, theater, and tactical level agencies that conduct SIGINT/EW operations in an area of interest. This allows the analyst to be aware of other intelligence capabilities and efficiently coordinates collection efforts.

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

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references and given mission tasking.

STANDARD: To coordinate and integrate efforts between all SIGINT assets operating in a common AOI, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Conduct liaison with national, theater, and tactical level agencies.

REFERENCES:

1. JP 2-01.1 Joint Tactics, Techniques, and Procedures for Intelligence Support to Targeting
 2. JP 3-60 Joint Doctrine for Targeting
 3. MCRP 3-16A Tactics, Techniques, and Procedures for the Targeting Process
 4. MCRP 3-16B The Joint Targeting Process and Procedures for Targeting Time-Critical Targets
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SIGINT T&R MANUAL

CHAPTER 10

MOS 2651 INDIVIDUAL EVENTS

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SIGINT T&R MANUAL

CHAPTER 10

MOS 2651 INDIVIDUAL EVENTS

10000. **PURPOSE.** This chapter includes all individual training events for the Special Intelligence System Administrator/Communicator. An individual event is an event that a trained Special Intelligence System Administrator/Communicator would accomplish in the execution of Mission Essential Tasks (METs). These events are linked to a Service-Level Mission Essential Task. This linkage tailors individual and collective training for the selected MET. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

10001. **EVENT CODING.** Events in the T&R Manual are depicted with a 12-digit, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. In some cases, all 12 digits may not be used. This chapter utilizes the following methodology:

a. Field one. Each event starts with 2600, indicating that the event is for MOS 2651, Special Intelligence System Administrator/Communicator.

b. Field two. This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

<u>Code</u>	<u>Description</u>	<u>Example</u>
NADM	Network Administration	2651-NADM-XXXX
PLAN	Planning	2651-PLAN-XXXX
SYSA	System Administrator	2651-SYSA-XXXX
TCOM	Tactical Communications	2651-TCOM-XXXX

c. Field three. All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at intermediate/advanced-level schools or MOJT. This chapter only contains 2000-level events.

10002. INDEX OF INDIVIDUAL EVENTS

EVENT	TITLE	PAGE
1000-LEVEL EVENTS		
2651-SYSA-1001	Conduct basic system administration	10-4
2651-SYSA-1002	Handle Electronic Key Management System (EKMS) material	10-4
2651-NADM-1003	Build a network	10-5
2651-NADM-1004	Conduct basic network administration	10-6
2651-NADM-1005	Administer a mail server	10-6
2651-SCTY-1006	Assist with network security	10-7
2651-TCOM-1007	Operate high bandwidth satellite communications equipment	10-8
2651-SYSA-1008	Perform Information Assurance Technician (IAT) level 1 duties	10-8
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2000-LEVEL EVENTS		
2651-PLAN-2001	Develop a communications plan	10-11
2651-TCOM-2002	Manage SCI Networks	10-11
2651-TCOM-2003	Manage SCI system administration	10-12
2651-TCOM-2004	Integrate tactical SCI enterprise systems	10-13

10003. 1000-LEVEL EVENTS

2651-SYSA-1001: Conduct basic system administration

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This is inclusive of basic tasks that a System Administrator must be able to perform.

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, the authorized hardware and software.

STANDARD: To ensure reliable data processing and communications, within existing security policies and guidelines, and within the time allotted by the commander.

PERFORMANCE STEPS:

1. Maintain data integrity.
2. Manage hardware.
3. Manage software.
4. Manage peripherals.
5. Implement systems security.
6. Utilize basic OS commands.
7. Manage Active Directory.
8. Troubleshoot.

REFERENCES:

1. DoD 8570.01M Information Assurance Workforce Improvement Program
 2. DoDISS 5329-26 Joint DoDISS/Cryptologic SCI Information System Security Standards, March 31, 2001
 3. MCEN MCEN Information Security Policy
 4. SECNAVINST 5239 Department of the Navy Information Assurance (IA) Policy
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2651-SYSA-1002: Handle Electronic Key Management System (EKMS) material

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 6 months

DESCRIPTION: The individual will be familiar with the regulations governing the handling of EKMS material storage, distribution, usage, and destruction.

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references.

STANDARD: To protect against inadvertent loss, destruction, improper storage, or compromise.

PERFORMANCE STEPS:

1. Utilize two person integrity (TPI).
2. Store EKMS material as required.
3. Destroy EKMS material as required.
4. Account for EKMS material.
5. Receive EKMS material with proper classification.
6. Transport EKMS material as required.

REFERENCES:

1. EKMS 1_ Electronic Key Management System

2651-NADM-1003: Build a network

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This is inclusive of basic tasks that a Network Administrator must be able to perform to establish computer systems and tactical networks.

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, and authorized equipment.

STANDARD: To provide reliable communications, within existing security policies and guidelines, and within the time allotted by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Determine requirements.
3. Assess resources.
4. Implement network architecture.
5. Configure hardware as applicable.
6. Perform Internet Protocol (IP) addressing as applicable.
7. Configure Dynamic Host Configuration Protocol (DHCP) as applicable.
8. Connect Local Area Network (LAN)/Wide Area Network (WAN) as applicable.
9. Build a network.

REFERENCES:

1. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
 2. DODD 5105.21-M-1 Sensitive Compartmented Information (SCI) Security Manual, Administrative Security
 3. DoD 8570.01M Information Assurance Workforce Improvement Program
 4. Global SCI Domain Plan (SEO/NETOPS) Global SCI Domain Plan (SEO/NETOPS)
 5. Local SOP Local Standard Operating Procedures
 6. MCISR-E Roadmap Marine Corps Intelligence Surveillance and Reconnaissance Enterprise Roadmap
 7. MCWP 2-22 Signals Intelligence
 8. SECNAVINST 5239 Department of the Navy Information Assurance (IA) Policy
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2651-NADM-1004: Conduct basic network administration

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This is inclusive of basic tasks that a Network Administrator must be able to perform.

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, access, permissions and a network.

STANDARD: To ensure reliable data processing and communications, within existing security policies and guidelines, and within the time allotted by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Manage network file systems.
3. Ensure network data integrity.
4. Implement network security.
5. Administer domain name system (DNS).
6. Manage network accounts.
7. Configure network peripherals as applicable.
8. Configure network hardware as applicable.
9. Utilize remote access.
10. Implement auditing.
11. Troubleshoot.
12. Obtain CCNA Mods I/II certification.

REFERENCES:

1. DoD 8570.01M Information Assurance Workforce Improvement Program
 2. DoDISS 5329-26 Joint DoDISS/Cryptologic SCI Information System Security Standards, March 31, 2001
 3. Local SOP Local Standard Operating Procedures
 4. MCEN MCEN Information Security Policy
 5. SECNAVINST 5239 Department of the Navy Information Assurance (IA) Policy
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2651-NADM-1005: Administer a mail server

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: It is essential for a systems Administrator be able to administer Electronic Mail Services to support mail accounts, group addresses and other associated tasks.

MOS PERFORMING: 2651

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, authorized hardware and software, access, permissions and a network.

STANDARD: To establish electronic mail capabilities within the time allotted by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Assess resources.
3. Install hardware.
4. Install software.
5. Configure server.
6. Manage accounts.
7. Maintain server.
8. Troubleshoot.

REFERENCES:

1. DoD 8570.01M Information Assurance Workforce Improvement Program
 2. MCEN MCEN Information Security Policy
 3. SECNAVINST 5239 Department of the Navy Information Assurance (IA) Policy
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2651-SCTY-1006: Assist with network security

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: This is inclusive of basic tasks that a Network Administrator must be able to perform to assist with network security.

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, access, permissions and a network.

STANDARD: To maintain network integrity, confidentiality and reliability, within existing security policies and guidelines.

PERFORMANCE STEPS:

1. Configure IPSEC.
2. Conduct auditing.
3. Configure access control lists (ACLs).
4. Install security patches.
5. Identify threats.
6. Report threats.
7. Employ countermeasures.
8. Utilize SEC+ techniques.

REFERENCES:

1. DCID 6/3 Protecting Sensitive Compartmented Information with Information Systems
2. DODD 5105.21-M-1 Sensitive Compartmented Information (SCI) Security Manual, Administrative Security

3. DoD 8570.01M Information Assurance Workforce Improvement Program
4. DoDISS 5329-26 Joint DoDISS/Cryptologic SCI Information System Security Standards, March 31, 2001
5. Local SOP Local Standard Operating Procedures
6. MCEN MCEN Information Security Policy
7. SECNAVINST 5239 Department of the Navy Information Assurance (IA) Policy

2651-TCOM-1007: Operate high bandwidth satellite communications equipment

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

DESCRIPTION: Operate high bandwidth satellite communications equipment such as Very Small Aperture Terminal (VSAT).

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, and authorized satellite access.

STANDARD: To establish communications, in the time allotted by the commander.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Assess resources.
3. Ensure accountability of all components.
4. Conduct a site survey.
5. Submit support requests to external agencies as required.
6. Configure satellite earth terminals.
7. Establish communications.
8. Operate test measurement diagnostic equipment.
9. Troubleshoot for quality of service.

REFERENCES:

1. Local SOP Local Standard Operating Procedures
2. TM Technical Manuals

2651-SYSA-1008: Perform Information Assurance Technician (IAT) level I duties

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

DESCRIPTION: Per DoD 8570.01, Information Assurance Technician Level I personnel make the CE less vulnerable by correcting flaws and implementing IAT controls in the hardware or software installed within their operational systems. The CE is defined as local area network(s) server host and its operating system, peripherals and applications.

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a computing environment, IA directives and having obtained appropriate IAT Level I certification(s).

STANDARD: To maintain availability, integrity, authentication, confidentiality, and non-repudiation of information, information systems, and information infrastructures.

PERFORMANCE STEPS:

1. Recognize a potential security violation, take appropriate action to report the incident as required by regulation, and mitigate any adverse impact.
2. Apply instructions and pre-established guidelines to perform IA tasks within CE.
3. Provide end user IA support for all CE operating systems, peripherals, and applications.
4. Support, monitor, test, and troubleshoot hardware and software IA problems pertaining to their CE.
5. Apply CE specific IA program requirements to identify areas of weakness.
6. Apply appropriate CE access controls.
7. Install and operate the IT systems in a test configuration manner that does not alter the program code or compromise security safeguards.
8. Conduct tests of IA safeguards in accordance with established test plans and procedures.
9. Implement and monitor IA safeguards for CE system(s) in accordance with implementation plans and standard operating procedures.
10. Apply established IA security procedures and safeguards and comply with responsibilities of assignment.
11. Comply with system termination procedures and incident reporting requirements related to potential CE security incidents or actual breaches.
12. Implement online warnings to inform users of access rules for CE systems.
13. Implement applicable patches including IA vulnerability alerts (IAVA), IA vulnerability bulletins (IAVB), and technical advisories (TA) for the CE operating system(s).
14. Understand and implement technical vulnerability corrections.
15. Enter assets in a vulnerability management system.
16. Apply system security laws and regulations relevant to the CE being supported.
17. Implement DoD and DoD Component password policy.
18. Implement specific IA security countermeasures.
19. Obtain and maintain IA certification appropriate to position.

REFERENCES:

1. DoDD 8570.01M Information Assurance Workforce Improvement Program Incorporating Change 2, April 20, 2010
2. MCEN MCEN Information Security Policy
3. SECNAVINST 5239.3B DEPARTMENT OF THE NAVY INFORMATION ASSURANCE POLICY 17 June 2009

2651-SYSA-1009: Perform IAT level 2 Security+ duties

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 36 months

DESCRIPTION: Per DODD 8570.01, Information Assurance Technician Level II Security+ personnel provide Network Environment (NE) and advance level Computer Environment (CE) support. They pay special attention to intrusion detection, finding and fixing/reporting unprotected vulnerabilities, and ensuring that remote access points are well secured. This position focuses on threats and vulnerabilities and improve the security of the systems. IAT Level II Security + certified personnel have mastery of the functions of the IAT Level I position.

GRADES: PVT, PFC, LCPL, CPL, SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: Provided a networking environment, IA directives and having obtained the appropriate IAT Level II Security + certification.

STANDARD: To maintain availability, integrity, authentication, confidentiality, and non-repudiation of information, information systems, and information infrastructures.

PERFORMANCE STEPS:

1. Examine potential security violations to determine if the NE policy has been breached, assess the impact, and preserve evidence.
2. Identify network attack strategies and defenses.
3. Diagnose and resolve IA system security problems in response to reported incidents.
4. Implement strategies for ensuring mission continuity, fault tolerance, and disaster recovery.
5. Perform system audits to assess security related factors within the NE.
6. Develop and implement access control lists on routers, firewalls, and other network devices.
7. Implement intrusion detection by utilize appropriate application(s) for the NE.
8. Implement applicable patches including IAVAs, IAVBs, and TAs for the NE.
9. Adhere to IS security laws and regulations to support functional operations for the NE.
10. Maintain Security + certification.

REFERENCES:

1. DoDD 8570.01M Information Assurance Workforce Improvement Program Incorporating Change 2, April 20, 2010
 2. MCEN MCEN Information Security Policy
 3. SECNAVINST 5239.3B DEPARTMENT OF THE NAVY INFORMATION ASSURANCE POLICY 17 June 2009
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10004. 2000-LEVEL EVENTS

2651-PLAN-2001: Develop a communications plan

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 36 months

DESCRIPTION: The individual will develop a communications plan to facilitate the unit's internal and external communications.

GRADES: SGT, SSGT, GYSGT, MSGT, MGYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references and given mission tasking.

STANDARD: To establish communications in support of mission requirements, in the time allotted by the commanding officer.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Determine requirements.
3. Assess resources.
4. Develop communications architecture.
5. Submit support requests to external agencies as required.
6. Produce an Annex K.

REFERENCES:

1. CJCSM 6231.04 Manual for Employing Joint Tactical Communications
 2. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
 3. JP 2-02 National Intelligence Support to Joint Operations
 4. JP 6-0 Doctrine for C4 Systems Support to Joint Operations
 5. Local SOP Local Standard Operating Procedures
 6. MCWP 2-22 Signals Intelligence
 7. MCWP 3-40.3 MAGTF Communications System
 8. Unit TE & TO Unit TE & TO
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2651-TCOM-2002: Manage SCI Networks

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: A network manager must be able to perform all inclusive tasks to ensure a secure and uninterrupted service on SCI networks.

GRADES: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, access and permissions.

STANDARD: To ensure reliable data processing and communications within existing security policies, guidelines, and in the time allotted by the commander.

PERFORMANCE STEPS:

1. Implement mission tasking.
2. Determine appropriate network storage solutions.
3. Manage network security.
4. Manage data storage.
5. Enforce security policy.
6. Plan help desk operations.
7. Manage help desk operations.
8. Manage network configuration.
9. Coordinate troubleshooting efforts.
10. Coordinate corrective actions.

REFERENCES:

1. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
 2. DODD 5105.21-M-1 Sensitive Compartmented Information (SCI) Security Manual, Administrative Security
 3. DoD 8570.01M Information Assurance Workforce Improvement Program
 4. DoDISS 5329-26 Joint DoDISS/Cryptologic SCI Information System Security Standards, March 31, 2001
 5. Global SCI Domain Plan (SEO/NETOPS) Global SCI Domain Plan (SEO/NETOPS)
 6. Local SOP Local Standard Operating Procedures
 7. MCISR-E Roadmap Marine Corps Intelligence Surveillance and Reconnaissance Enterprise Roadmap
 8. SECNAVINST 5239 Department of the Navy Information Assurance (IA) Policy
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2651-TCOM-2003: Manage SCI system administration

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: A SCI system manager must ensure system network access and compliance with security requirements.

GRADES: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, and authorized hardware and software.

STANDARD: To ensure reliable data processing and communications within existing security policies, guidelines, and in the time allotted by the commander.

PERFORMANCE STEPS:

1. Develop Local SOP.
2. Monitor system performance.
3. Coordinate system integration.
4. Monitor system security.

5. Enforce security policy.
6. Utilize SEC+ skill sets.
7. . Configure Active Directory schema.
8. Plan help desk operations.
9. Manage help desk operations.

REFERENCES:

1. CJCSM 6231.04 Manual for Employing Joint Tactical Communications
 2. DoD 8570.01M Information Assurance Workforce Improvement Program
 3. DoDISS 5329-26 Joint DoDISS/Cryptologic SCI Information System Security Standards, March 31, 2001
 4. Global SCI Domain Plan (SEO/NETOPS) Global SCI Domain Plan (SEO/NETOPS)
 5. MCISR-E Roadmap Marine Corps Intelligence Surveillance and Reconnaissance Enterprise Roadmap
 6. SECNAVINST 5239 Department of the Navy Information Assurance (IA) Policy
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2651-TCOM-2004: Integrate tactical SCI enterprise systems

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 36 months

DESCRIPTION: This is inclusive of tactical SCI enterprise systems and programs of record (POR) in support of Marine Corps intelligence operations.

GRADES: SGT, SSGT, GYSGT

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, access and permissions.

STANDARD: To ensure reliable data processing and communications within existing security policies, guidelines, and in the time allotted by the commander.

PERFORMANCE STEPS:

1. Implement mission tasking.
2. Administer currently fielded tactical PORs.
3. Coordinate with external agencies.
4. Integrate tactical fielded systems into enterprise.
5. Manage network security.
6. Enforce security policy.
7. Manage network configuration.
8. Coordinate troubleshooting efforts.

REFERENCES:

1. DCID 6/9 Physical Security Standards for Sensitive Compartmented Information Facilities
2. DODD 5105.21-M-1 Sensitive Compartmented Information (SCI) Security Manual, Administrative Security
3. DoD 8570.01M Information Assurance Workforce Improvement Program
4. DoDISS 5329-26 Joint DoDISS/Cryptologic SCI Information System Security Standards, March 31, 2001
5. Global SCI Domain Plan (SEO/NETOPS) Global SCI Domain Plan (SEO/NETOPS)

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6. Local SOP Local Standard Operating Procedures
 7. MCISR-E Roadmap Marine Corps Intelligence Surveillance and Reconnaissance
Enterprise Roadmap
 8. MCWP 2-22 Signals Intelligence
 9. SECNAVINST 5239 Department of the Navy Information Assurance (IA) Policy
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SIGINT T&R MANUAL

CHAPTER 11

MOS 2670 INDIVIDUAL EVENTS

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SIGINT T&R MANUAL

CHAPTER 11

MOS 2670 INDIVIDUAL EVENTS

11000. **PURPOSE.** This chapter includes all individual training events for the Basic Cryptologic Linguist. An individual event is an event that a trained Basic Cryptologic Linguist would accomplish in the execution of Mission Essential Tasks (METs). These events are linked to a Service-Level Mission Essential Task. This linkage tailors individual and collective training for the selected MET. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

11001. **EVENT CODING.** Events in the T&R Manual are depicted with a 12-digit, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. In some cases, all 12 digits may not be used. This chapter utilizes the following methodology:

a. Field one. Each event starts with 2600, indicating that the event is for MOS 2670, Basic Cryptologic Linguist.

b. Field two. This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

<u>Code</u>	<u>Description</u>	<u>Example</u>
COLL	Collections	2670-COLL-XXXX
PROD	Production	2670-PROD-XXXX

c. Field three. All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at intermediate/advanced-level schools or MOJT. This chapter only contains 2000-level events.

11002. INDEX OF INDIVIDUAL EVENTS

EVENT	TITLE	PAGE
1000-LEVEL EVENTS		
2670-COLL-1001	Conduct basic traffic exploitation	11-4
2670-PROD-1002	Translate cryptologic language material	11-4
2670-PROD-1003	Transcribe cryptologic language material	11-5
2670-PROD-1004	Produce gist of cryptologic language material	11-5

11003. 1000-LEVEL EVENTS

2670-COLL-1001: Conduct basic traffic exploitation

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: During the course of processing information, the Cryptologic Linguist must be able to identify the essential elements of information (EEIs) and essential elements of friendly information (EEFIs).

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given mission tasking, currently fielded SIGINT/EW equipment, and a target environment.

STANDARD: To process communications of interest, in a timeframe dictated by the operational environment.

PERFORMANCE STEPS:

1. Review mission tasking.
2. Review target structure and organization.
3. Determine appropriate Signals Intelligence (SIGINT) Electronic Warfare (EW) equipment.
4. Process communications of interest.
5. Conduct initial traffic analysis.
6. Utilize fundamental communications network analysis, as applicable.
7. Report EEIs.
8. Provide Indications and Warnings (I&W) upon recognition.
9. Apply principles of COMSEC.
10. Apply legal considerations.

REFERENCES:

1. Executive Order 12333 United States Intelligence Activities
 2. MCDP 1-0 Marine Corps Operations, Sep 2001
 3. MCWP 2-1 Intelligence Operations
 4. MCWP 2-22 Signals Intelligence
 5. USSIDS United States Signals Intelligence Directives
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2670-PROD-1002: Translate cryptologic language material

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 3 months

DESCRIPTION: Individual translates target language material into English.

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given cryptologic language material, and lexical aids.

STANDARD: Into English with 80% accuracy, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review cryptologic language material.
2. Determine appropriate lexical aids.
3. Translate into English.
4. Identify EEIs, as applicable.

REFERENCES:

1. No Pub ID Language Dictionaries
-

2670-PROD-1003: Transcribe cryptologic language material

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

DESCRIPTION: Individual produces a transcript of a recorded voice cut.

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references, given a recorded voice cut, and lexical aids.

STANDARD: To at least 80% accuracy, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review recorded voice cut.
2. Determine appropriate lexical aids.
3. Transcribe using the appropriate transliteration system.

REFERENCES:

1. USSID 101 Annex A
-

2670-PROD-1004: Produce gist of cryptologic language material

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

DESCRIPTION: The individual produces a single-pass summary.

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

INITIAL TRAINING SETTING: FORMAL

CONDITION: With the aid of references and given a voice cut.

STANDARD: To identify at least 80% of the essential elements of information, within a time limit established by the commander.

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PERFORMANCE STEPS:

1. Listen to voice cut.
2. Produce gist.
3. Identify EEIs.

REFERENCES:

1. USSID 101 USSID 101
-

SIGINT T&R MANUAL

CHAPTER 12

MOS 2691 INDIVIDUAL EVENTS

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SIGINT T&R MANUAL

CHAPTER 12

MOS 2691 INDIVIDUAL EVENTS

12000. **PURPOSE.** This chapter includes all individual training events for the Signals Intelligence/Electronic Warfare Chief. An individual event is an event that a trained Signals Intelligence/Electronic Warfare Chief would accomplish in the execution of Mission Essential Tasks (METs). These events are linked to a Service-Level Mission Essential Task. This linkage tailors individual and collective training for the selected MET. Each event is composed of an individual event title, condition, standard, performance steps, support requirements, and references. Accomplishment and proficiency level required is determined by the event standard.

12001. **EVENT CODING**

Events in the T&R Manual are depicted with a 12-digit, 3-field alphanumeric system, i.e. XXXX-XXXX-XXXX. In some cases, all 12 digits may not be used. This chapter utilizes the following methodology:

a. Field one. Each event starts with 2600, indicating that the event is for MOS 2691, Signals Intelligence/Electronic Warfare Chief.

b. Field two. This field is alpha characters indicating a functional area. In this chapter, the functional areas are as follows:

<u>Code</u>	<u>Description</u>	<u>Example</u>
PLAN	Planning	2691-PLAN-XXXX
MGMT	Management	2691-MGMT-XXXX

c. Field three. All individual events within T&R Manuals are either 1000-level for events taught at MOS-producing formal schools or 2000-level for events taught at intermediate/advanced-level schools or MOJT. This chapter only contains 2000-level events.

12002. INDEX OF INDIVIDUAL EVENTS

EVENT	TITLE	PAGE
2000-LEVEL EVENTS		
2691-PLAN-2001	Conduct Mission Analysis	12-4
2691-PLAN-2002	Develop a Collection Plan	12-4
2691-PLAN-2003	Conduct National/Tactical Integration	12-5
2691-MGMT-2004	Manage SIGINT Analysis and Production	12-6
2691-MGMT-2005	Manage Electronic Warfare (EW) Operations	12-7

12003. 2000-LEVEL EVENTS

2691-PLAN-2001: Conduct Mission Analysis

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The Signals Intelligence/Electronic Warfare (SI/EW) Chief will determine the necessary manning, training, and equipment to meet operational requirements.

MOS PERFORMING: 2691

GRADES: MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given an operations order or requirement.

STANDARD: To meet operational requirements within the time limit established by the commanding officer.

PERFORMANCE STEPS:

1. Review all applicable operations plans, orders and requirements.
2. Draft operations plans and orders as required.
3. Determine SIGINT supportability.
4. Determine personnel requirements.
5. Determine unique skill set requirements.
6. Determine training requirements.
7. Match personnel to appropriate billet.
8. Address personnel shortfalls.
9. Determine equipment requirements.
10. Address equipment shortfalls.

REFERENCES:

1. Local SOP Local Standard Operating Procedures
2. MCDP 1-0 Marine Corps Operations, Sep 2001
3. MCO 1553.3 Unit Training Management
4. MCO P3500.72 Marine Corps Ground Training and Readiness Program
5. MCO P1200.16 MOS Manual
6. MCWP 2-22 Signals Intelligence

2691-PLAN-2002: Develop a Collection Plan

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The Signals Intelligence/Electronic Warfare (SI/EW) Chief will synchronize organic, theater and national assets to develop a collection plan which meet operational requirements.

MOS PERFORMING: 2691

GRADES: MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given intelligence requirements and a SIGINT target list.

STANDARD: To posture collection assets to meet operational requirements in the time limit established by the commanding officer.

PERFORMANCE STEPS:

1. Review intelligence requirements.
2. Determine SIGINT support to the operations plan.
3. Coordinate with national SIGINT assets.
4. Coordinate with theater SIGINT assets.
5. Review SIGINT target list.
6. Assign tasks to organic collection assets.
7. Generate information needs statement, as required.
8. Evaluate collection effectiveness.
9. Address gaps in collection.

REFERENCES:

1. Local SOP Local Standard Operating Procedures
 2. MCDP 1-0 Marine Corps Operations, Sep 2001
 3. MCWP 2-12 MAGTF Intelligence Production and Analysis
 4. MCWP 2-22 Signals Intelligence
 5. National Intelligence Priorities Framework (NIPF) National Intelligence Priorities Framework (NIPF)
 6. USSID CR1400 (SMGT-2002, 2005, 2006)
 7. USSID CR1500 (SMGT-2002, 2005, 2006)
 8. USSID SP0009 USSID SP0009
 9. USSID SP0018 USSID SP0018 (All Codes)
-

2691-PLAN-2003: Conduct National/Tactical Integration

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The Signals Intelligence/Electronic Warfare (SI/EW) Chief will coordinate and leverage resources from National and Tactical SIGINT in support of MAGTF operations.

MOS PERFORMING: 2691

GRADES: MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given intelligence requirements and commanders intent.

STANDARD: To leverage all SIGINT resources in support of MAGTF operations, in the time limit established by the commanding officer.

PERFORMANCE STEPS:

1. Conduct liaison with MAGTF Intelligence Planners.
2. Conduct liaison with MAGTF Operations Planners.
3. Conduct liaison with MAGTF Electronic Warfare Coordination Cell.
4. Conduct liaison with theater level SIGINT/EW agencies and units.
5. Conduct liaison with national level SIGINT/EW agencies and units.
6. Conduct liaison with all agencies within the IC.
7. Conduct liaison with support establishment.

REFERENCES:

1. MCDP 1-0 Marine Corps Operations, Sep 2001
2. MCWP 2-12 MAGTF Intelligence Production and Analysis
3. MCWP 2-22 Signals Intelligence
4. National Intelligence Priorities Framework (NIPF) National Intelligence Priorities Framework (NIPF)
5. USSID CR1400 (SMGT-2002, 2005, 2006)
6. USSID CR1500 (SMGT-2002, 2005, 2006)
7. USSID SP0009 USSID SP0009
8. USSID SP0018 USSID SP0018 (All Codes)

2691-MGMT-2004: Manage SIGINT Analysis and Production

EVALUATION-CODED: NO

SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: The Signals Intelligence/Electronic Warfare (SI/EW) Chief will oversee SIGINT Analysis and Production to ensure timely and accurate reporting which conforms to legal compliance and minimization policy.

MOS PERFORMING: 2691

GRADES: MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given intelligence requirements and collected information.

STANDARD: To ensure SIGINT products satisfy intelligence requirements in the time limit established by the commanding officer.

PERFORMANCE STEPS:

1. Review SIGINT reporting requirements.
2. Manage the development of EEIs from intelligence requirements.
3. Prioritize analysis and production effort.
4. Establish requirements for production and dissemination.
5. Conduct intelligence gain/loss, as required.
6. Ensure Signals Intelligence input to IPB assessment.
7. Enforce legal compliance and minimization policy.

REFERENCES:

1. Local SOP Local Standard Operating Procedures
2. MCDP 1-0 Marine Corps Operations, Sep 2001
3. MCWP 2-12 MAGTF Intelligence Production and Analysis

4. MCWP 2-22 Signals Intelligence
 5. National Intelligence Priorities Framework (NIPF) National Intelligence Priorities Framework (NIPF)
 6. USSID CR1400 (SMGT-2002, 2005, 2006)
 7. USSID CR1500 (SMGT-2002, 2005, 2006)
 8. USSID SP0009 USSID SP0009
 9. USSID SP0018 USSID SP0018 (All Codes)
-

2691-MGMT-2005: Manage Electronic Warfare (EW) Operations

EVALUATION-CODED: NO SUSTAINMENT INTERVAL: 12 months

DESCRIPTION: Manage and coordinate EW resources to support mission requirements to maximize SIGINT effectiveness at all echelons.

MOS PERFORMING: 2691

GRADES: MSGT, MGYSGT

INITIAL TRAINING SETTING: MOJT

CONDITION: With the aid of references, given information requirements and/or tasking.

STANDARD: To ensure proper conduct and execution of EW operations, within a time limit established by the commander.

PERFORMANCE STEPS:

1. Review information requirements and/or tasking.
2. Apply legal considerations, as required.
3. Support EW mission planning.
4. Coordinate with national and theater agencies, as required.
5. Manage SIGINT support to the targeting process.
6. Manage SIGINT/EW support to Information Operations (IO).

REFERENCES:

1. Air Tasking Order (ATO) Air Tasking Order (ATO)
 2. MCWP 2-22 Signals Intelligence
 3. Radio Battalion SOPs Radio Battalion SOPs
 4. USSIDS United States Signals Intelligence Directives
-

SIGINT T&R MANUAL

APPENDIX A

ACRONYMS AND ABBREVIATIONS

A+	Assurance Plus
ACL	access control list
AOI	Area of Interest
AOR	Area of Responsibility
ATO	Authority to Operate
BDA	Battle Damage Assessment
C2	Command and Control
C2C	Command and Control Constellation
CCNA	CISCO Certified Network Associate
CG	Commanding General
CISCO	Corps Information Systems Control Officer
CJCSM	Chairman of the Joint Chiefs of Staff Manual
COA	Course of Action
COMINT	Communications Intelligence
COMPUSEC	Computer Security
CNA	Computer Network Attack
CNE	Computer Network Exploitation
CNO	Computer Network Operations
CRP	Combat Readiness Percentage
CSS	Combat Support System
CTE	Collective Training Events
DCGS	Defense Common Ground System
DCID	Director of Central Intelligence Directive
DF	Direct finding
DHCP	Dynamic Host Configuration Protocol
DNS	domain name system
DoD	Department of Defense
DODD	Department of Defense directive
DoDI	Department of Defense instruction
DoDISS	Department of Defense Index of Specifications and Standards
DON	Department of the Navy
EAP	Emergency Action Plan
EDP	Emergency Destruction Plan
EEL	Essential Elements of Information
EEFI	Essential Elements of Friendly Information
EKMS	Electronic Key Management System
ELINT	Electronic Intelligence
EO	Executive Order
EOB	Electronic Order of Battle
EPL	Elint Parameters Limits
EW	Electronic Warfare
FEA	Field Expedient Antennas
FM	Field Manual
FOC	Future Operating Concept
GENSER	General Service
HHQ	Higher headquarters
HUMINT	Human Intelligence

IA Information Assurance
IBR Integrated Broadcast Receiver
INFOSEC Information Security
IC Intelligence Cycle
Intel Intelligence
IO Information Operations
IP Internet Protocol
IPB Intelligence Preparation of the Battlefield/Battlespace
IR Intelligence Requirements
ISBN International Standard Book Number
ISP Information Security Program
ITE Individual Training Events
I&W Indications and Warning
JP Joint Publication
LAN Local Area Network
MAGTF Marine air-ground task force
MCDP Marine Corps Doctrinal Publication
MCEN Marine Corps Enterprise Network
MCISR-E Marine Corps Intelligence Surveillance and Reconnaissance
Enterprise
MCO Marine Corps Order
MCRP Marine Corps Readiness Publication
MCTL Marine Corps Task List
MCWP Marine Corps War fighting publication
MOA Military Operating Area
MOE Measure of Effectiveness
MOJT Managed on the job training
MSCIF Mobile Sensitive Compartmented Information Facility
NAVEDTRA Naval Education & Training
NAVMC Navy Marine Corps
NET+ Network Plus
NETOPS Network Operations
NIPF National Intelligence Priorities Framework
NRTD Near Real Time Data
NSA National Security Agency
NSCID National Security Council Intelligence Directive
NSRL National SIGINT Requirements List
OP Operations
OPSEC Operational Security
PIR Priority Intelligence Requirements
POR Program of Record
PSP Personnel Security Program
RF Radio Frequency
S-2 Intelligence staff officer
SCI Sensitive Compartmented Information
SCIF Sensitive Compartmented Information Facility
SEC+ Security plus
SECNAV Secretary of the Navy
SECNAVINST Secretary of the Navy Instruction
SEDSCAF Standard Electronic Intelligence Data Systems Codes and Formats
SI Signals Intelligence
SIGINT Signals Intelligence
SIMO Systems Integration Management Officer
SOP Standard Operating Procedures
SSO Special Security Officer

TCAC Tactical Command and Analysis Center
TDP Tactical Data Processor
TE Table of Equipment
TM Technical Manuals
TO Table of Organization
T/O&E Table of organization and equipment
TPI two person integrity
TS Top Secret
TSCIF Tactical Sensitive Compartmented Information Facility
USSID United States Signals Intelligence Directives
VMAQ Marine Tactical Electronic Warfare Squadron
VSAT Very Small Aperture Terminal
WAN Wide Area Network

SIGINT T&R 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 Pub 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 assessment is 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. Chaining is 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. Utilizing the building block approach to progressive training, these collective events are further supported by individual training events at the 1000 and 2000-levels. 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 collective event is 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 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.

Component Events. Component events are the major tasks involved in accomplishing a collective event. Listing these tasks guide Marines toward the accomplishment of the event and help evaluators determine if the task has been done to standard. These events may be lower-level collective or individual events that must be accomplished.

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.

Core Skills. Core skills are those essential basic skills that "make" a Marine and qualify that Marine for an MOS. They are the 1000-level skills introduced in entry-level training at formal schools.

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 Marine or 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.

Entry-level training. Pipeline training that equips students for service with the Marine Operating Forces.

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. Event components are 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.

I

Individual Readiness. The individual training readiness of each Marine is measured by the number of individual events required and completed for the rank or billet currently held.

Individual Training. Training that applies to individual Marines. Examples include rifle qualifications and HMMWV driver licensing.

Individual Training Standards (ITS). Individual Training Standards specify training tasks and standards for each MOS or specialty within the Marine Corps. In most cases, once an MOS or community develops a T&R, the ITS order will be cancelled. However, most communities will probably fold a large portion of their ITS into their new T&R manual.

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

Performance step. Performance steps are included in the components of an Individual T&R Event. They are the major procedures (i.e., actions) a unit Marine must accomplish to perform an individual event to standard. They describe the procedure the task performer must take to perform the task under operational conditions and provide sufficient information for a task performer to perform the procedure (May necessitate identification of supporting steps, procedures, or actions in outline form.). Performance steps follow a logical progression and should be followed sequentially, unless otherwise stated. Normally, performance steps are listed only for 1000-level individual events (those that are taught in the entry-level MOS school).

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 US 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 TEGC 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 1553.3B. 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. The training plan is a 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.

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APPENDIX C

REFERENCES

Department of Defense (DOD)

Regulation 5240.1-R Procedures Governing DoD Intelligence Components
Affecting U.S. Persons
8570.01M Information Assurance Workforce Improvement Program

Department of Defense directive (DODD)

5105.21-M-1 Sensitive Compartmented Information (SCI) Security Manual,
Administrative Security
TS-5105.21-M-2 Sensitive Compartmented Information (SCI) Security Manual,
Communications Intelligence (COMINT) Policy
5200.1 DOD Information Security Program
5240.1 DoD Intelligence Activities
O-3600.3 Technical Assurance Standards for computer Network Attack (CNA)
S-3115.7 Signals Intelligence

Department of Defense instruction (DoDI)

3305.09 DoD Cryptologic Training
S-5240.mm Counterintelligence In Cyberspace

Department of Defense Index of Specifications and Standards (DODISS)

5329-26 Joint DoDISS/Cryptologic SCI Information System Security Standards,
March 31, 2001

Chairman of the Joint Chiefs of Staff Manual (CJCSM)

6231.04 Manual for Employing Joint Tactical Communications

United States Signals Intelligence Directives (USSID)

4 Concept of SIGINT Support to Military Commanders

101 Annex A

AP2401

AP2402

CR1231 (SMGT-2001, 2002, 2003)

CR1283 (SMGT-2001, 2002, 2003, 2005)

CR1284 (SMGT-2001, 2002, 2003, 2005)

CR1400 (SMGT-2002, 2005, 2006)

CR1500 (SMGT-2002, 2005, 2006)

CR1501 (SMGT-2002)

CR1601

CR1610

CR1611

DA3655 Computer Network Exploitation

DA3857

SG5000

SP0009

SP0018

Executive Order (EO)

12333 U.S. Intelligence Activities (As Amended)

Secretary of the Navy (SECNAV)

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2-3 MAGTF Intelligence Production and Analysis

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ISBN 978-0-596-00148-3 Windows 2000 Commands Pocket Reference
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JANES All the Worlds Aircraft
Local SOP Local Standard Operating Procedures
MCISR-E Roadmap Marine Corps Intelligence Surveillance and Reconnaissance Enterprise Roadmap
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