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C 469
27 Apr 04

MARINE CORPS ORDER P1200.7Z

From: Commandant of the Marine Corps
To: Distribution List

Subj: MILITARY OCCUPATIONAL SPECIALTIES MANUAL (SHORT TITLE: MOS MANUAL)

Ref: MCO 1200.15B, MOS System Modification Process

Encl: (1) Locator Sheet

Report Required: DoD Enlisted/Officer Occupational Conversion Table (Report Control Symbol DD-1200-02) (EXTERNAL RCS DD-P&R)959), par. 0006.3

1. Purpose. To present the occupational system information that will enable the Marine Corps to carry out its assigned mission to organize, train, assign, and manage the force.

2. Cancellation. MCO P1200.7Y.

3. Effective date. 15 April 2004.

4. Summary of Revision. This revision has been conducted in accordance with the reference and it contains substantial changes. OccFld 55, Music, changes grade structure for PMOS 5524 and related skill designators of that PMOS from "GySgt to Pvt" to "SSgt to Pvt." The title for OccFld 06 changes from "Command and Control Systems" to "Communications," and OccFld 46, Visual Information, changes the grade structure for all of the enlisted MOSs. New MOSs are created for OccFlds 06, 21, 26, 72, 99, and MOS 9985 is redescribed. There are also significant changes in OccFlds 06, 25, 28, 40, and 59. The Commanding General, Marine Corps Combat Development Command (CG, MCCDC) Front-End Analysis Process for developing Individual Training Standards (ITS) continues to be used as an evaluation tool to effect the restructure of OccFlds based upon validated Marine Corps needs. To ensure content accuracy and completeness, all OccFlds were reviewed by MOS managers, MCCDC Total Force Structure, Deputy Commandant for the Marine Corps for Manpower and Reserve Affairs, and the Commanding General, Training and Education Command.

5. Scope. The cornerstone of the Marine Corps Occupational System is the MOS Manual with its framework of OccFlds and MOSs. This Manual provides the means for:

a. Identifying the skills of individuals and the requirements of organizations in the various tables of organization (T/O) as validated through the Front-End Analysis Program.

b. The effective use of the manpower inventory by placing the right Marine in the right billet, i.e., personnel accounting, classification, training, and assignment, and enlisted and officer career planning and promotion.

6. Recommendation for Modification. The Marine Corps Occupational System is dynamic in response to constant changes with the adoption of new equipment,

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weapons, organizations, and techniques. Recommendations for improving or modifying the Marine Corps Occupational System are invited. Recommended changes will be submitted to the Commanding General, Marine Corps Combat Development Command (CG, MCCDC (C 469)), 3300 Russell Road, Quantico, Virginia 22134-5001 in the format described in the Introduction to this Manual.

7. Action. Commanding Officers and all personnel associated with the Marine Corps Occupational System shall familiarize themselves with this Manual and make all MOS changes as summarized in Chapters 2 and 4, Officer/Enlisted Conversion Guidance, and as further guided by the reference and the Deputy Commandant of the Marine Corps, Manpower and Reserve Affairs.

8. Reserve Applicability. This Manual is applicable to the Marine Corps Reserve.

9. Certification. Reviewed and approved this date.

GEORGE J. FLYNN
By direction

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LOCATOR SHEET

Subj: MILITARY OCCUPATIONAL SPECIALTIES MANUAL (SHORT TITLE: MOS MANUAL

Location: _____
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MOS MANUAL

RECORD OF CHANGE

Log completed change action as indicated.

Change Number	Date of Change	Date Entered	Signature of Person Incorporating Change

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INTRODUCTION

0001. PURPOSE. The purpose of this Manual is to present the Marine Corps Occupational System. The Occupational System identifies and codifies the personnel skill requirements, derived through the Expeditionary Warfare Development System. The Occupational System enables the Human Resource Development Process to maintain personnel inventory to meet the needs of the force.

0002. COMPOSITION. This Manual is composed of four chapters. Chapters 1 and 2 contain officer MOSs and chapters 3 and 4 contain enlisted MOSs.

0003. APPLICATION. MOSs are assigned to personnel as outlined in MCO P1000.6, ACTS Manual and provisions of this Manual.

0004. MAINTENANCE OF THE MANUAL

1. The Marine Corps Occupational System is established and maintained by the Commanding General, Marine Corps Combat Development Command (MCCDC). All recommended changes and modifications to any particular MOS or occupational field, or to policy set forth in this Manual, must be submitted to the Commanding General, MCCDC (C 469), 3300 Russell Road, Quantico, VA 22134-5001.

2. Information contained in recommendations for changes to the Manual must be in sufficient detail to enable complete staffing to cognizant Headquarters staff agencies. Changes to tables of organization, grade structure, mergers of MOSs, usually require changes to the Manual. All such changes should be directed to CG, MCCDC (C 469), the single point of contact for staffing and coordination of all MOS change issues. Accordingly, proposed changes from either major field commands or advocates and functional leaders at Headquarters, Marine Corps must include the following enclosures:

a. Enclosure (1) will be a complete occupational description as shown in paragraphs 1101.4 and 3101.2 of this Manual.

b. Enclosure (2) will contain justification for the proposed modification in the format shown in figure 0-1. This form may be locally reproduced.

3. Commanders of the Operating Forces, Supporting Establishment, and individual Marines are encouraged to recommend changes to the Marine Corps Occupational System. Changes should be submitted to the CG, MCCDC, address above, or the appropriate Headquarters, U.S. Marine Corps Occupational Field Advocate or Functional Leader, as defined in MCO 5311.1C, The Total Force Structure Process. The minimum information to initiate action is set forth below:

a. The OccFld/MOS involved in the change.

b. Detailed discussion of the problem or deficiency.

c. Recommended solution.

0005. MARINE CORPS OCCUPATIONAL SYSTEM. This Manual describes the Marine Corps Occupational System. The Commanding General, Marine Corps Combat Development Command, as the owner of the Expeditionary Warfare Force Development System, is responsible for developing Marine Corps combat requirements including doctrine,

organization, training and personnel. Organizational requirements are set forth in Tables of Organization (T/O). T/Os are tabulated with numbers derived from the Marine Corps Occupational System. The numbers define the different human capabilities required by units. The same numbers are used by the Deputy Commandant, Manpower and Reserve Affairs to develop and maintain a personnel inventory of skilled Marines to meet the organizational requirements of the units. The Occupational System by necessity must be somewhat rigid in its process to maintain accuracy of the meaning of the number codes. To maintain flexibility, the Manual will be reviewed and revised regularly, usually once a year.

1. General

a. The Marine Corps Occupational System uses a four-digit number code constructed on the concept that occupations with similar skill and knowledge requirements are grouped into functional areas, known as occupational fields (OccFlds), and jobs, known as Military Occupational Specialties (MOSs). This provides for the most efficient and effective classification, assignment, and utilization of Marine Corps personnel. The Occupational System identifies Marine Corps personnel, duties, skill attributes, and requirements within the specific functional areas.

b. OccFlds are identified by the first two digits of the four-digit code and a descriptive title. The OccFld is a grouping of related MOSs. Criteria to be considered in establishment of an OccFld include the total number of Marines in the OccFld, the number of MOSs (diversity), unity of functional management, and training requirements.

c. The MOS is a four-digit code consisting of the OccFld code completed by two additional digits. It describes a group of related duties and job performance tasks that extend over one or more grades.

(1) The MOS is used to identify skill requirements of billets in T/Os, to assign Marines with capabilities appropriate to required billets, and to manage the force.

(2) Criteria to be considered in establishment and type (see glossary, table 0-1) of MOS include the number of Marines required in the specialty, rotation base, training requirements, specialty requirements/prerequisites, and career potential.

d. MOSs will not be created without corresponding requirements in tables of organization. Requests for MOSs to keep track of skills without valid T/O requirements are referred to other manpower and personnel inventory management systems.

2. Certification

a. MOSs are awarded when performance based criteria have been met as set forth in the Individual Training Standards (ITS) and Training and Readiness (T&R) Manuals. The simulated environment of a formal school and the actual work environment on the job are both suitable for entry-level performance evaluation under controlled evaluations by competent authority. Every effort should be made to train at MOS producing schools so that unit commanders can dedicate their resources to mission oriented objectives.

b. Consistent with MCO P1000.6 (ACTS Manual) and MCO P1001.1R (MCRAM) and except as noted in the specific MOS entry in this Manual, certification to award an enlisted MOS shall be authorized when:

(1) Marines graduate from formal schools using approved POI's or another Service equivalent that designates the MOS to be awarded. The school provides core

skill training or training-to-standard as set forth in the applicable MCO 1510, Individual Training Standards (ITS) and Training and Readiness (T&R) Manual, MCO P3500.

(2) Most MOSs are awarded by attending the appropriate formal school. In those cases where formal school is either not available or the Marine is unable to attend, an AMOS can be awarded by the commanding officer when all core skill performance criteria have been met and the Marine holds a billet in the unit for the AMOS. The MOS is awarded as an additional MOS only, unless approved by CMC (MMEA) or ((RAM) for Reserve).

(3) Awarding MOSs to prior service Marines in the Selected Marine Corps Reserve (SMCR) is further subject to Reserve Force Order 1535.1, which is coordinated with this Manual.

c. All Marines in recruit training are designated to receive a particular MOS and typically attend the MOS-awarding school before being assigned to a unit. To reduce the time spent for Marines Awaiting Training (MAT), this training requirement can be delayed if a school seat is not available for an unacceptably long period. In such cases, and only if a school seat is held for a future date within 6 months, the Marine may be permanently assigned to the intended unit while waiting for the scheduled course.

0006. THE DEPARTMENT OF DEFENSE (DoD) REQUIRED REPORT

1. The DoD requires that a report of the following information be submitted at such times as modifications to the occupational system are affected:

a. Copy of new or revised MOS description.

b. Recommended DoD code for each MOS.

2. The CG, MCCDC (C 469) will submit this report to the Defense Manpower Data Center, 1600 Wilson Blvd., Suite 400, Arlington, VA 22209-2593.

3. Report Control Symbol DD-1200-02 (EXTERNAL RCS DD-P&R(AR)959) has been assigned to this report.

0007. Table 0-1 provides a glossary of definitions relating to the Marine Corps Occupational System.

0008. Symbols. The following symbols are used throughout the MOS Manual:

1. * - indicates a skill designator MOSs.

2. # - indicates there is a note at the end of the MOS.

1. Justification for this proposed modification: (Use additional page if required.)

_____

_____

_____

_____

#2. Organizational Requirements

a. List affected T/Os and line numbers involved.

_____

_____

_____

b. T/O considerations have been coordinated with CG MCCDC (C 53). ____Yes ___NO

_____

_____

c. Listing of possible pay grade/MOS substitutions.

_____

_____

d. Pay grade distribution enlisted force management system considerations have been coordinated with the CMC (MPP). ____ Yes ____ No

#3. Personnel Requirements

a. Number of Personnel by Pay Grade

Current Enlisted	___ E-9	___ E-8	___ E-7	___ E-6	___ E-5	___ E-4	___ E-3	___ E-2	___ E-1	TOTAL
Officer			___ 0-6	___ 0-5	___ 0-4	___ 0-3	___ 0-2	___ 0-1	___ W-1	TOTAL
Proposed Enlisted	___ E-9	___ E-8	___ E-7	___ E-6	___ E-5	___ E-4	___ E-3	___ E-2	___ E-1	TOTAL
Officer			___ 0-6	___ 0-5	___ 0-4	___ 0-3	___ 0-2	___ 0-1	___ W-1	TOTAL

b. Source of Personnel

_____ Deleted MOSs ____ ____

_____ Combined MOSs ____ ____

_____ Compensatory reduction in OccFld/MOSs ____ ____

_____ Above current strength authorization

c. Women Marines assignment considerations have been reviewed by CMC (MPP). ____ Yes ____ No

d. Selective reenlistment bonus and proficiency pay considerations have been coordinated with the CMC (MPP). ____ Yes ____ No

Figure 0-1.--Justification for Modification of the Marine Corps Occupational System Structure

#4. Service school requirements have been coordinated with the CG, MCCDC (C 469). ____ Yes ____ No

5. MOS is applicable to the Marine Corps Apprenticeship Program (refer to MCO 1550.22). ____Yes ____No

6. List schools, category and length of training required.

7. A proposal to establish an enlisted skill designator only MOS within one of the primary OccFlds should state in the proposed MOS description, subparagraph b, Requirements/Prerequisites for those primary MOS(s) that may hold the skill designator MOS.

Items to be completed only by Headquarters staff agencies.

Figure 0-1.--Justification for Modification of the Marine Corps Occupational System Structure

Marine Corps Occupational System
Glossary of Terms Used in this Manual

Primary MOS (PMOS)	Identifies the primary occupational classification of a Marine. Marines are promoted in their PMOS, and changes to an individual Marine's PMOS without approval from HQMC (MM) are not authorized.
Additional MOS (AMOS)	Any existing PMOS awarded to a Marine who already holds a PMOS. Marines are not promoted in an AMOS.
Skill Designator	A non-primary MOS. May be found in Category "B" MOSs or in regular OccFlds. Skill designator MOSs within OccFlds are usually low density MOSs that require foundation skills acquired in a related primary MOS. Example from OccFld 35: Primary MOS 3521 with skill designators 3522, 3523, 3524, or 3525.
Category "B" MOS	MOSs 8000-9599 (except MOSs 8412 and 8421). Enlisted only billet MOSs, non-PMOS, appearing on T/Os where special skills or an accounting for structure is required. The overall population is not managed as a community. Marines are promoted by PMOS even while serving in Category "B" billets.
Core Skills	Those essential basic skills that "make" a Marine and qualify that Marine for an MOS. Core skills comprise the set of core tasks for each MOS as found in the Individual Training Standards (ITS), or Training and Readiness (T&R) Manual. *Core skills have not yet been identified for all MOSs. MOSs not having core skills in the ITS will have Task-to-Standard designation or "S".
Core Plus Skills	Tasks that are mission advanced, rank, or billet specific. These tasks are taught, executed, and evaluated at the unit level.
Required Training	Training normally expected to be received by Marines after completion of recruit training, where core skills training is provided at an MOS producing formal school course. This is not to imply that it is the only source of MOS qualifying training.
Skills Progression	Formal schools training for Marines already holding an MOS, but the training relates directly to increasing overall skills and knowledge in the MOS. All holders of the MOS might be expected to attend, if available.
Skill Enhancement Training	Formal school or structured training for Marines already holding an MOS. Relates directly to increasing overall skills in the MOS. Usually intended for MOS holders with particular billet requirements.

Table 0-1

Figure 0-1.--Justification for Modification of the Marine Corps Occupational System Structure

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OFFICER OCCUPATIONAL SYSTEM

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CHAPTER 1

OFFICER OCCUPATIONAL SYSTEM

1001. GENERAL

1. This chapter is divided into two sections. Section 1 contains officer MOS descriptions and Section 2 contains the alphabetical listing of officer MOSs.

2. The data in this chapter identifies Marine Corps regular unrestricted officer, career reserve officers, limited duty officers (LDOs), and warrant officer duties, skills, and requirements within specific OccFlds.

CHAPTER 1

OFFICER OCCUPATIONAL SYSTEM

SECTION 1: OFFICER MOS DESCRIPTION

1101. INFORMATION. Officer OccFlds are displayed in numerical sequence and officer MOSs follow in numerical sequence within OccFlds. Basic MOSs exist for each OccFld as listed in the alphabetical listing and are indicated by the last two digits "01" of the MOS code, with the exception of MOS 7597-98, Basic Pilot. Officer basic MOS descriptions used as basic OccFld designators before specialized training is received are not included in this Manual. The following format is used to describe officer MOSs:

1. Title. The MOS code, a narrative description, and appropriate officer category.

2. Officer Designation. Officers are generally assigned primary MOSs by their type of commission or appointment.

a. The three categories of MOSs which are assigned as primary MOSs to officers are: Category I MOSs are suitable for assignment to unrestricted Regular/Reserve officers; Category II MOSs are suitable for assignment to LDOs; Category III MOSs are suitable for assignment to regular/reserve warrant officers.

b. A Roman numeral appearing after an MOS title indicates the appropriate officer category for that MOS. MOSs will be assigned as primary MOSs only to officers who are in the designated categories.

c. MOSs that do not have Roman numeral designations in the title line may be assigned to any qualified officer as an additional MOS or as a skill designator MOS, except for billet designators.

3. Women Officer Designation. Women Officer Restrictions: Women Marine officers will be assigned MOSs by the guidelines stated in the preceding paragraph except for assignment restrictions set forth in MCO P1300.8, Marine Corps Personnel Assignment Policy.

4. Body. The body of the officer MOS description is organized as follows:

a. Summary

b. Requirements/Prerequisites

c. Duties

d. Related DOT Classification/DOT Code. The related DOT classification/DOT code lists the comparable civilian classification title(s) and code(s) that are presented in the U.S. Department of Labor Dictionary of Occupational Titles (DOT).

1102. OCCUPATIONAL SYSTEM. The Marine Corps Occupational System has been constructed on the concept that occupations of similar skill and knowledge requirements are grouped in functional areas, known as OccFlds, which provide for the most efficient and effective classification, assignment, and utilization of Marine Corps personnel. The officer occupational system identifies Marine Corps commissioned and warrant officer duties, skill attributes, and requirements within

the specific functional areas. See additional material in paragraph 0005 of the Introduction.

1103. MOS SYSTEM. The MOS system consists of a four-digit number used in conjunction with a descriptive title to identify Marine Corps occupations and personnel.

1. OccFld. The first two digits of a four-digit number and a descriptive title identify the OccFld. The OccFld is a grouping of related MOSs. Criteria to be considered in establishment of an OccFld include the total number of Marines in the field, the number of MOSs (diversity), combat or combat support requirements, rotation base, and training requirements.

2. MOS

a. The MOS describes a group of skills and related duties that extend over one or more grades. Each MOS consists of a four-digit code and a descriptive title.

b. Criteria to be considered in establishment of an MOS include the number of Marines required in the specialty, combat or combat support relationship, rotation base, training requirements, specialty requirements/prerequisites, and career pattern.

c. The MOS is used to identify skill requirements of billets in T/Os.

d. MOS number ending in 01-10 or any multiple of 5 are reserved for officer MOSs, except for MOS numbers of 9600 or higher.

3. Other MOS Categories

a. Skill designator MOSs. A skill designator MOS is a non-primary MOS. They may be found in Category "B" MOSs or in regular OccFlds. Skill designator MOSs are usually low density MOS within Occflds that require foundation skills acquired in a related primary MOS. Examples from OccFld 02: Primary MOS 0210 with skill designator MOS 0215.

b. Identifying and Reporting MOSs. MOSs in the 9700 through 9999 series will be used for the following three purposes:

(1) To identify skills of individuals.

(2) To identify billets in T/Os.

(3) To identify personnel in the Manpower Management System who are assigned a reporting MOS.

c. See Table 0-1 of the Introduction to this Manual.

1104. **OCCUPATIONAL FIELD 01, PERSONNEL AND ADMINISTRATION**

1. MOS 0160, Postal Officer (III)

a. Summary. Postal officers are special staff officers who manage postal operations and postal services at installations, commands, and while deployed. They act as Installation Official Mail Managers, ensuring that the Official Mail Cost Control Program (OMCCP) works effectively. They represent the commanding officer to the other services, tenant activities, the Department of Defense (DoD), and the U.S. Postal Service (USPS) for all postal and official mail matters.

b. Requirements/Prerequisites

(1) Must have a secret security clearance.

(2) Complete the Postal Operation and Supervisors Courses at Ft. Jackson, SC.

(3) Must have experience as a postal clerk, MOS 0161, in order to properly supervise postal operations and identify noncompliance, abuse, or depredations.

(4) Have no record of derogatory or unfavorable conduct that casts doubt on the officer’s trustworthiness and honesty.

(5) Have no history of psychiatric disorder, alcoholism, or drug abuse unless a medical evaluation determines the condition no longer exists.

(6) Have no convictions by court martial, UCMJ punishment for postal related offenses within the last 3 years, or civilian convictions other than minor traffic violations.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code. Postmaster 188.167-066.

2. MOS 0170, Personnel Officer (III)

a. Summary. Personnel officers are special staff officers, who supervise and manage a consolidated administrative office in matters pertaining to personnel administration. Personnel officers must understand the duties, tasks, and responsibilities required for MOSs 0121, 0151, 0171, and 0193. Personnel officers function as a supervisor, coordinator, and administrator of the manpower, personnel and pay information reported into the Marine Corps Total Force System (MCTFS) via the Unit Diary/Manpower Integrated Personnel System (UD/MIPS) or On Line Diary System (OLDS). Personnel officers must possess knowledge of the Marine Corps standard word processing and database software packages and the MCTFS. Personnel officers advise on issues related to personal affairs, benefits, and privileges accrued to members of the Armed Forces. Due to the diversity of commands throughout the Marine Corps, the duties and tasks performed by the personnel officer may overlap those performed by the adjutant.

b. Requirements/Prerequisites

(1) Complete the Personnel Officer Course conducted at MCB Camp Lejeune, NC.

(2) Applicants to be considered for selection, as a Warrant Officer in MOS 0170 must have completed the Advanced Personnel Administration Course (APAC)

conducted at MCB Camp Lejeune, NC or have three years experience in a personnel admin center at the rank of sergeant or above. Those selected for Warrant Officer who have not attended APAC must do so prior to attending the Warrant Officer Basic Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Supervisor, Personnel Clerks 209.132-010.

(2) Manager, Personnel 166.117-018.

3. MOS 0180, Adjutant (I)

a. Summary. Adjutants serve as staff officers. They coordinate administrative matters of internal staff sections and external agencies at the staff level. Adjutants formulate and supervise the execution of command administrative policies, receiving and routing correspondence, handling and safeguarding classified material, preparing responses to special correspondence and establishing and maintaining the command reports control, and forms management programs. Typical duties and tasks of the adjutant include: casualty reporting, awards and decorations, fitness report, legal matters, and postal functions. Due to the diversity of commands throughout the Marine Corps, the duties and tasks performed by the adjutant may overlap those of the personnel officer.

b. Requirements/Prerequisites. Complete the Adjutant Course conducted at MCB Camp Lejeune, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code. Manager, Office 169.167-034.

1105. **OCCUPATIONAL FIELD 02, INTELLIGENCE**

1. MOS 0202, Marine Air/Ground Task Force (MAGTF) Intelligence Officer (I)#

a. Summary. Intelligence officers function as advisors to the commander and assist in carrying out intelligence responsibilities. They formulate plans, policies, and functions pertaining to all intelligence operations at all levels.

b. Requirements/Prerequisites

(1) Must be eligible for a top-secret security clearance based upon a Single Scope Background Investigation (SSBI).

(2) Complete the MAGTF Intelligence Officer Course, Navy and Marine Intelligence Training Center (NMITC), Dam Neck, VA. Selected Marine Corps Reserve (SMCR) officers without previous active duty experience who successfully complete Phases I and II of the MAGTF Intelligence Officer Reserve Course, NMITC, Dam Neck, VA, will be awarded MOS 0202 as an additional MOS only. MOS 0202 may be awarded to Reserve Officers as an additional primary MOS after completing Phases I and II of the MAGTF Intelligence Officer Reserve Course, NMITC, Dam Neck, VA, and serving 3 years in an 0202 billet in an SMCR unit or IMA detachment. The 3-year OJT period begins when the Marine is assigned to an Intelligence billet. Waivers of the 3-year OJT requirement may be granted by C4I on a case-by-case basis.

(3) Must be a captain or above.

(4) The following courses of instruction are desirable as skills progression courses for MOS 0202:

(a) Intel Collection Management Course, Washington, DC.

(b) Financial Management of Intel Course, Washington, DC.

(c) Military Operations Familiarization Course, Washington, DC.

(d) Military Operations Training Course, Washington, DC.

(e) Operations Support Specialist Course, Washington, DC.

(f) DoD Strategic Debriefing Course, Ft. Huachuca, AZ.

(g) Multi-Discipline CI Analysis Course, Washington, DC.

(h) Joint Special Operations Intel Course, Washington, DC.

(i) Command and Control Systems Course, Quantico, VA.

(j) Postgraduate Intel Program (PGIP), Washington, DC.

(k) MC&G Officers Course, Ft. Belvoir, VA.

(l) MC&G Staff Officers Course, Ft. Belvoir, VA.

(m) Combat Targeting Course, Goodfellow AFB, TX.

(n) Military Officer Advanced Cryptologic Course, Ft. Meade, MD.

(o) National Senior Cryptologic Course, Ft. Meade, MD.

(p) National Senior Intelligence Program, Washington, DC.

(q) Joint CI Staff Officers Course, Washington, DC.

(r) National Seniors Users Executive Course, Washington, DC.

(s) Indications and Warnings Course, Washington, DC.

(t) Intelligence Analyst Course, Washington, DC.

(u) Counterterrorism Analyst Course, Washington, DC.

(v) Advanced Counterterrorism Analysis Course, Washington, DC.

(w) Dynamics of International Terrorism Course, Hurlburt Field, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Intelligence Research Specialist 059.167-010.

(2) Intelligence Specialist 059.267-014.

#MOS was changed to only captains and above in 1994. Lieutenants currently assigned this MOS may retain it as a primary MOS.

2. MOS 0203, Ground Intelligence Officer (I)

a. Summary. Ground intelligence officers primarily serve as platoon commanders in division reconnaissance companies, infantry battalion scout/sniper platoons, and other ground intelligence assignments: Battalion, Regiment, and Division Staffs, Force Service Support Group, and Intelligence Battalion.

b. Requirements/Prerequisites

(1) Must be eligible for a top-secret clearance based on a Single Scope Background Investigation (SSBI).

(2) Must be a male lieutenant to be assigned this MOS as a primary MOS. This MOS may be assigned as an additional MOS to male captains and above.

(3) Complete the Infantry Officer Course (IOC), MCCDC, Quantico, VA; the Scout Sniper Platoon Commander's Course (SSPCC), MCCDC, Quantico, VA; and the Ground Intelligence Officer's Course (GIOC), Navy Marine Corps Intelligence Training Center (NMITC), Dam Neck, VA.

(4) The following courses of instruction are desirable as skills progression courses for MOS 0203:

(a) Intel Collection Management Course, Washington, DC.

(b) Combat Targeting Course, Goodfellow AFB, TX.

(c) Indications and Warnings Course, Washington, DC.

(d) Intelligence Analyst Course, Washington, DC.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Intelligence Research Specialist 059.167-010

(2) Intelligence Specialist 059.267-014

3. MOS 0204, Human Source Intelligence Officer (I)

a. Summary. Human source intelligence (HUMINT) officers serve in both counterintelligence (CI) and HUMINT billets. Duties include serving as CI platoon commander, Interrogation (IT) platoon commander and company executive officer within the HUMINT Company as well as serving as a division or MEF staff officer.

b. Requirements/Prerequisites

(1) Must be eligible for access to Sensitive Compartmented Information (SCI), based on a Single Scope Background Investigation (SSBI).

(2) Must be a male lieutenant to be assigned this MOS as a primary MOS. This MOS may be assigned as an additional MOS for male captains and above.

(3) Complete the MAGTF Counterintelligence Course at Navy Marine Corps Intelligence Training Center (NMITC), Dam Neck, VA. Reserve Officers without previous active duty intelligence experience who successfully complete Phases I, II, and III of the MAGTF Counterintelligence Reserve Course, NMITC, Dam Neck, VA, will be awarded MOS 0204 as an additional MOS only. MOS 0204 will be granted to Reserve Officers as a primary MOS after completing Phases I, II, and III of the MAGTF Counterintelligence Reserve Course, NMITC, Dam Neck, VA and serving 4 years in a 0204 billet within the Selected Marine Corps Reserve.

(4) Must be willing to submit to a test for Espionage and Sabotage (TES) polygraph examination.

(5) Must be a U.S. citizen.

(6) The following courses of instruction are desirable as skills progression courses for MOS 0204:

(a) Advanced Counterintelligence Course, Dam Neck, VA.

(b) Military Operations Familiarization Course, Washington, DC.

(c) Military Operations Training Course, Washington, DC.

(d) Operations Support Specialist Course, Washington, DC.

(e) DoD Strategic Debriefing Course, Ft. Huachuca, AZ.

(f) Multi-Discipline CI Analysis Course, Washington, DC.

(g) Joint CI Staff Officers Course, Washington, DC.

(h) Counterterrorism Analyst Course, Washington, DC.

(i) Advanced Counterterrorism Analysis Course, Washington, DC.

(j) Dynamics of International Terrorism Course, Hurlburt Field, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Counterintelligence Agent 378.267.010.

(2) Intelligence Specialist 059.267-014.

4. MOS 0205, Tactical Intelligence Officer (III)#

a. Summary. Tactical intelligence officers serve in selected internal and external billets, which relate to the planning, collection, analysis, and production of strategic and combat intelligence of a specialized or technical nature. They perform, supervise, and coordinate those specialized intelligence related tasks required in all aspects of strategic and combat intelligence analysis, collection management, surveillance and reconnaissance, targeting, human intelligence and intelligence specialist teams, and element operations.

b. Requirements/Prerequisites

(1) Must be eligible for access to Sensitive Compartmented Information based on a Special Background Investigation.

(2) Complete one of the formal intelligence courses listed in MOS 0202, Requirements/Prerequisites of this Manual.

(3) Must have previously served in one of the following MOSs: 0211, 0231, 0241, or 0251.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Intelligence Specialist 059.267-014.

This MOS has been deleted and is no longer being assigned. Reserve warrant officers may retain this MOS and be assigned to 0202 billets commensurate with their rank and experience until attrition or lateral move.

5. MOS 0206, Signals Intelligence/Ground Electronic Warfare Officer (I)

a. Summary. Signals intelligence/ground electronic warfare (SIGINT/EW) officers command, or assist in commanding a SIGINT/EW unit and/or perform SIGINT/EW officer duties of a technical nature.

b. Requirements/Prerequisites

(1) Must be eligible for a top-secret clearance based on a Single Scope Background Investigation (SSBI).

(2) Must be a lieutenant to be assigned this MOS as a primary MOS. This MOS may be assigned as an additional MOS to captains and above.

(3) Complete the Naval Cryptologic Officers Basic Course, Naval Technical Training Center, Corry Station, Pensacola, FL.

(4) The following courses of instruction are desirable as skills progression courses for MOS 0206:

(a) National Senior Cryptologic Course, Ft. Meade, MD.

(b) Military Officer Advanced Cryptologic Course, Ft. Meade, MD.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

6. MOS 0207, Air Intelligence Officer (I)

a. Summary. Air intelligence officers function in a variety of intelligence billets located within the air wing. Billets include targeting officer, collections officer, dissemination officer and S-2 officer of a VMAQ.

b. Requirements/Prerequisites

(1) Must be eligible for a top-secret security clearance based upon a Single Scope Background Investigation (SSBI).

(2) Must be a lieutenant to be assigned this MOS as a primary MOS. This MOS may be assigned as an additional MOS to captains and above.

(3) Complete the Naval Intelligence Officer Basic Course (NIOBC), Navy Marine Corps Intelligence Training Center (NMITC), Dam Neck, VA.

(4) The following courses of instruction are desirable as skills progression courses for MOS 0207:

(a) Intel Collection Management Course, Washington, DC.

(b) Combat Targeting Course, Goodfellow AFB, TX.

(c) Intelligence Analyst Course, Washington, DC.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Intelligence Research Specialist 059.167-010.

(2) Intelligence specialist 059.267-014.

7. MOS 0210, Counterintelligence Officer (II/III)#

a. Summary. Counterintelligence (CI) warrant officers serve in both CI and HUMINT billets. They conduct technical surveillance countermeasures (TSCM), provide

expertise in advanced foreign CI, and advise tactical commanders in force protection operations. Duties include serving as a CI assistant platoon commander and HUMINT Exploitation Team (HET) Commander within the HUMINT Company, service on a MEF staff, Naval Criminal Investigative Service, and serving as a CI representative to unified commands and national-level agencies. CI limited duty officers function as supervisors, advisors and coordinators of counterintelligence activities and human intelligence collection operations. Duties may include serving as CIHO at the MEF or MARFOR headquarters, service with the Naval Criminal Investigative Service, serving as staff officers within the CI/HUMINT Branch, HQMC, and serving as a CI representative to national-level agencies.

b. Requirements/Prerequisites

(1) Must be eligible for access to Sensitive Compartmented Information (SCI) predicated on a Single Scope Background Investigation (SSBI).

(2) Must be a male warrant officer or limited duty officer in the grade of warrant officer through lieutenant colonel.

(3) Complete the MAGTF Counterintelligence Course at Navy Marine Corps Intelligence Training Center (NMITC) Dam Neck, VA. Reserve warrant officers, without previous active duty intelligence experience, who successfully complete Phases I, II, and III of the MAGTF Counterintelligence Reserve Course, NMITC, Dam Neck, VA, will be awarded MOS 0210 as an additional MOS only. MOS 0210 will be granted to Reserve Warrant Officers as a primary MOS after completing Phases I, II, and III of the MAGTF Counterintelligence Reserve Course, NMITC, Dam Neck, VA, and serving 4-years in an 0210 billet within the Selected Marine Corps Reserve.

(4) Must be willing to submit to a Test for Espionage and Sabotage (TES) polygraph examination.

(5) Must be a U.S. citizen.

(6) The following courses of instruction are desirable as skills progression courses for MOS 0210:

(a) Advanced Counterintelligence Course, Dam Neck, VA.

(b) Military Operations Familiarization Course, Washington, DC.

(c) Military Operations Training Course, Washington, DC.

(d) Operations Support Specialist Course, Washington, DC.

(e) DoD Strategic Debriefing Course, Ft. Huachuca, AZ.

(f) Multi-Discipline CI Analysis Course, Washington, DC.

(g) Joint CI Staff Officers Course, Washington, DC.

(h) Counter-terrorism Analyst Course, Washington, DC.

(i) Advanced Counter-terrorism Analysis Course, Washington, DC.

(j) Dynamics of International Terrorism Course, Hurlburt Field, FL.

(7) Must hold PMOS 0211/0251 with two years experience as a 0211/0251.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Intelligence Specialist 059.267-014.

(2) Counterintelligence Agent 378.267.010.

MOS 0211 Marines attend the MAGTF Counterintelligence Course prior to receiving PMOS 0211. MOS 0251 Marines selected for MOS 0210 must complete the MAGTF Counterintelligence Course prior to receiving MOS 0210. MOS will transition from a Category II/III MOS to Category III MOS in FY 2008. Future revisions of this manual will update the status of this transition.

8. MOS 0215, Technical Surveillance Countermeasures (TSCM)Officer*

a. Summary. Technical surveillance countermeasures trained and certified counterintelligence officers are involved in all facets of planning and conducting tactical, strategic, and joint TSCM operations and activities. These activities are designed to locate, identify, and neutralize the threat of technical surveillance penetration of sensitive areas. These officers are expected to possess a working knowledge of the techniques and equipment employed by foreign intelligence services and terrorist organizations for the technical penetration of spaces. These officers normally perform as members of a CI TSCM sub-team or detachment; however, they may also perform duties in support of Naval Criminal Investigative Service; as a TSCM instructor at Ft. Meade, MD; or as a TSCM representative to national level CI/investigative agencies. This MOS is to be assigned as a skill designator MOS and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must hold primary MOS 0210.

(2) Complete the Technical Surveillance Countermeasures Fundamentals Course and the Technical Surveillance Countermeasures Course (3C-ASI9L/244-ASI69).

(3) Must have 36 months obligated service remaining upon completion of the TSCM Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. None.

9. MOS 0277, Weapons and Tactics Instructor-Intelligence Officer

a. Summary. Weapons and tactics and instructor-intelligence officers train personnel in the tactical employment of threat weapon systems in support of MAGTF operations. This MOS will be assigned as a skill designator only to qualified intelligence personnel.

b. Requirements/Prerequisites

(1) Must be a MOS 0202 or 0207.

(2) Must successfully complete the Weapons and Tactics Instructor Course.

(3) MOS 0277 may be awarded to Reserve officers as an additional primary MOS after completing

c. Duties

(1) As the unit's intelligence training officer, develop and execute individual T&R training and collective operational unit training.

(2) Serve as the unit SME for intelligence support to mission planning, briefing/debriefing, threat systems and unit weapons system employment. Be responsible for intelligence required for unit's mission in support of the MAGTF and Joint tasking.

(3) Assist in recommending to unit commanders qualified intelligence personnel for nominate to the WTI Course.

(4) Instructs on current enemy capabilities and tactics to counter the threat.

d. Related DOT Classification/DOT Code. No civilian equivalent.

1106. **OCCUPATIONAL FIELD 03, INFANTRY**

1. MOS 0302, Infantry Officer (I)

a. Summary. Infantry officers are the commanders or their assistants in infantry and reconnaissance units in Marine Air-Ground Task Forces (MAGTFs). They plan, direct, and assist in the deployment and tactical employment of MAGTFs and any subordinate infantry and reconnaissance units. Infantry officers are responsible for the discipline, morale, and welfare of their unit's Marines. To fulfill these responsibilities, they evaluate intelligence; estimate the operational situation; and formulate, coordinate, and execute appropriate plans for offensive/defensive maneuver, reconnaissance, fire support, nuclear, biological and chemical defense, directed energy warfare, communications and operational logistics and maintenance.

b. Requirement/Prerequisites. Complete the Infantry Officer Course at MCCDC, Quantico, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.85, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

2. MOS 0303, Light-Armored Vehicle (LAV) Officer*

a. Summary. LAV officers are the commanders or their assistants in the Light Armored Reconnaissance (LAR) Battalion. As such, LAV officers plan, direct and assist in the deployment and tactical employment of LAR units. To fulfill these responsibilities, they evaluate intelligence; estimate the operational situation; and formulate, coordinate and execute appropriate plans for offensive/defensive maneuver, reconnaissance, fire support, nuclear, biological and chemical defense, directed energy warfare, communications, and operational logistics and maintenance. LAV officers are also responsible for the discipline, morale and welfare of their units' Marines. This MOS may be assigned only as a skill designator MOS.

b. Requirements/Prerequisites. Must complete MOS requirements to be an infantry officer and an appropriate period of OJT in an LAR battalion and attend the LAV Leaders Course at SOI West. An appropriate amount of OJT will be considered in lieu of attending the LAV Leaders Course for awarding MOS 0303 as a skill designator MOS.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.85, Individual Training Standards.

d. Related DOT Classification/DOT Code. Infantry Unit Leader 378.137-010.

3. MOS 0306, Infantry Weapons Officer (III)

a. Summary. Infantry weapons officers are advisers to the commander at all levels on the tactical employment of the weapons organic to infantry units. Gunners assist the primary staff in the development and monitoring of unit training programs related to the training, tactical employment and the preventive maintenance of the units organic weapons. They have oversight of the units annual re-qualification programs for the service rifle and pistol and supervise the units training programs with respect to individual and infantry crew served weapons to include preparation of training plans and schedules. They also design, develop, implement and control expeditionary ranges, world wide, to accommodate all weapons organic to the MAGTF in accordance with the current version of MCO 3570.1. Additional duties may include: new weapons systems acquisition, new weapons systems research and development,

management of the units ammunition allocation, the unit training plan, infantry training, and fire support planning. His strength is his ability to "set-up" combined arms training. During operations the Gunner will assist the commander in battle tracking. He can be sent forward to oversee the battle, reporting directly to the battalion/regimental/division commanders in a "directed telescope" fashion. As infantry weapons officers advance in grade, billet descriptions will include: Marine Gunner Infantry Training Battalion (SOI East or West), Marine Gunner Advanced Infantry Training Company (SOI East and West), Tactical Training and Exercise Control Group (TTECG) MAGTF-TC, Marine Gunner Infantry Regiment (Active and Reserve) Marine Gunner Infantry Division, Marine Gunner Infantry Officer Course, Marine Gunner the Basic School, Marine Gunner Small Arms Weapons Instructor school, and Marine Gunner 4th MEB (AT). Additional assignments may be assigned based on future needs of the Marine Corps.

b. Requirements/Prerequisites

(1) Must have previously served in MOS 0369.

(2) Must be a minimum of Gunnery Sergeant when selected.

(3) Must have a minimum of 16 years of active military service on the date of commissioning.

(4) Must complete the Warrant Officer Basic Course.

(5) Must complete a specifically designed course of instruction sponsored by the Commanding Officer, The Basic School and the Marine Gunner OccFld manager.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.85, Individual Training Standards.

d. Related DOT Classification/DOT Code. Tactical Ground Range Control Officer.

1107. **OCCUPATIONAL FIELD 04, LOGISTICS**

1. MOS 0402, Logistics Officer (I)

a. Summary. Logistics officers plan, coordinate, execute and/or supervise the execution of all logistics functions and the six functional areas of combat service support (CSS): supply, maintenance, transportation, general engineering, health services, and services. Logistics officers serve as commanders or assistants to the commanders of CSS units/elements and as members of general or executive staffs in the operating forces, supporting establishment, and joint staffs. They perform duties of embarkation officer, maintenance management officer, motor transport officer, landing support officers, and are responsible for administrative and tactical unit movement of personnel, supplies, and equipment by all modes of transportation.

b. Requirements/Prerequisites. Complete the Logistics Officer Course at the Marine Corps Combat Service School, MCB Camp Lejeune, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Manager, Traffic 184.167-094.

(2) Manager, Operations 184.117-050.

(3) Director, Transportation 187.167-214.

2. MOS 0405, Aerial Delivery Officer*

a. Summary. Aerial delivery officers are responsible for storage, maintenance, distribution, and disposal of air items, parachute packing, and preparation of cargo for aerial delivery. This title and MOS will also be used to identify Marine officers billets in T/Os. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must hold primary MOS 0402.

(2) Must be a qualified parachutist (MOS 9962) and a graduate of the Aerial Delivery Material Officer Course conducted by the U.S. Army Quartermaster Center and School, Ft Lee, VA.

(3) Complete the Logistics Officer Course at Combat Service Support School, MCB Camp Lejeune, NC.

(4) Skill progression schools/courses available, and required for aerial delivery officers include:

(a) Basic Airborne Course, U.S. Army Infantry School, Ft Benning, GA.

(b) Aerial Delivery and Materials Officers Course conducted by the U.S. Army Quartermaster Center and School, Ft Lee, VA.

(5) Skill progression schools/courses available, and recommended for aerial delivery officers include:

(a) U.S. Army Jumpmaster School, U.S. Army Infantry School, Ft Benning, GA.

(b) U.S. Army Pathfinder School, U.S. Army Infantry School, Ft Benning, GA.

(c) Aircraft Load Inspectors Certification Course, U.S. Quartermaster Center and School, Ft Lee, VA.

(d) Transportation of Hazardous Material Course, Air Force Military Training Center, Lackland AFB, TX.

(e) Defense Packaging of Hazardous Materials for Transportation Course, School of Military Packaging Technology, Aberdeen, MD.

(f) Transportation of Hazardous Materials Course, Navy Supply Corps School, Athens, GA.

c. Duties. Determines requirements for and plans the employment of aerial deliver systems in support of tactical and special operations. Commands, directs, supervises, and trains personnel engaged in the storage, packing, and preparation of material to be delivered by air. Plans and supervises the inspection, repair, testing packing, rigging, and storage of parachutes, and other airdrop retardation devices. Advises and assists in the coordination of transportation requirements to include recovery of airdrop equipment.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 0430, Embarkation Officer (II/III)

a. Summary. Embarkation officers plan and execute the unit movement of personnel, supplies, and equipment by all modes of transportation (e.g., land, sea, and air). They prepare loading and embarkation plans that meet tactical logistical requirements. They prepare and execute strategic mobility plans to deploy and sustain the MAGTF. They serve as embarkation officers at the regiment, aircraft group, separate battalion, MEU, MarDiv, MAW, and FSSG level, and as Strategic Mobility Officers at the Joint Task Force, MEF, and MARFOR Levels. They serve as combat cargo officers (CCOs) on amphibious staffs and ships. They coordinate and conduct unit-level embarkation training. They serve as Embarkation/Strategic Mobility Instructors at the Marine Corps Combat Service Support Schools (MCCSSS), Expeditionary Warfare Training Group Pacific (EWTGPac), and the Joint Deployment Training Center (JDTC), Ft. Eustis, VA. They can be assigned to serve at the Transportation Command (USTC) and its Transportation Component Commands (TCCs): Air Mobility Command (AMC), Military Sealift Command (MSC), and Military Traffic Management Command (MTMC). Embarkation/Strategic mobility officers analyze, translate, and execute commanders' operational requirements into a movement reality to support any mission accomplishment. They articulate the MAGTF mobility needs to Higher Headquarters, Unified/Specified Commanders, and the Transportation Component Commands. As the mobility specialist for the Marine Corps, their liaison with or assignment to USTC and its TCCs provide an effective and beneficial interface by the most qualified persons to address Marine Corps movement requirements. This MOS is technical in nature and requires years of experience to become proficient. Officers with a primary MOS of 0402 will not be assigned MOS 0430 as an additional MOS.

b. Requirements/Prerequisites

(1) Complete the Logistics/Embarkation SNCO/NCO Course, Logistics Operations School, Marine Corps Combat Service Support Schools, Camp Lejeune, NC (unless completed previously).

(2) Skill progression schools/courses available to and required (as indicated) for embarkation officers include:

(a) Transportation of Hazardous Material Course, Navy Supply Corps School, Athens, GA (this course, (b), or (c) is required).

(b) Defense Packaging of Hazardous Material for Transportation Course, School of Military Packaging Technology (SMPT), Aberdeen, MD (this course, (a), or (c) is required).

(c) Transportation of Hazardous Material Course, Air Force Military Training Center, Lackland, AFB, TX (this course, (a), or (b) is required).

(d) Inter-modal Dry Cargo Container (CSC) Reinspection Course, U.S. Army Defense Ammunition Center, McAlester, OK.

(e) AMC Affiliation Training for Equipment Preparation and Air load Certification, taught by a Mobile Training Team (Air Force)(required every two years (Air Force)).

(f) Ship Loading and Stowage Course, U.S. Army Transportation School, Ft Eustis, VA.

(g) USAF Air Mobility Operations Course, McGuire AFB, NJ (required).

(h) Ocean Transportation and Marine Terminal Operations Course, U.S. Army Transportation School, Ft Eustis, VA.

(i) Landing Force Staff Planning Course-MAGTF, EWTGLant, NAB Little Creek, Virginia Beach, VA.

(j) Landing Force Combat Service Support (CSS) Staff Planning (MEU) Course, EWTGPac, NAB Coronado, San Diego, CA.

(k) Maritime Pre-positioned Force (MPF) MEFFWD Staff Planning Course, ETWGPac, NAB Coronado, San Diego, CA.

(l) Transportation Officers Advanced Course (TOAC), U.S. Army Transportation School, Ft. Eustis, VA.

(m) Joint Planning Orientation Course (JPOC), taught at various locations. Quota control is HQMC (Code POC-30) at DSN 224-2116.

(n) Joint Operation Planning and Execution System (JOPES), taught at various locations (nine days). Quota Control is HQMC (code POC-30) at DSN 224-2116.

(o) Military Standard Transportation and Movement Procedures (MILSTAMP) Over, Short, and Damage Procedures, Navy Supply Corps School, Athens, GA or U.S. Army Transportation School, Ft Eustis, VA.

(p) Advanced Logistics Officer's Course (ALOC), Marine Corps Combat Development Command, Quantico, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Manager, Operations 184.117-050.

(2) Manager, Traffic 184.167-094.

(3) Director, Transportation 184.117-014.

1108. **OCCUPATIONAL FIELD 05, MARINE AIR GROUND TASK FORCE (MAGTF) PLANS**

1. MOS 0502, Force Deployment Planning and Execution Officer*

a. Summary. Force deployment planning and execution officers (FDP&E) participate in the preparation of joint operation plans in support of unified/specified commanders' operational missions. This title and MOS is also used to identify billets in T/Os requiring the special MAGTF planning/development skills and experience for Force Deployment Planning and Execution Systems in concert with the Joint Operational Planning and Execution Systems (JOPES). This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Prior to assignment of this MOS, an officer must have a minimum of 6 months in a billet that includes training and experience with Global Command Control System (GCCS) and Joint Planning Systems.

(2) The following course of instruction is desirable for skill progression: Completion of MAGTF Planners Advance Course, EWTGLant, NAB Little Creek, VA.

(3) Must have a top-secret security clearance.

(4) Must be a U.S. citizen.

c. Duties

(1) Analyzes joint mission assignments, planning guidance from higher headquarters, and force capabilities to determine options for the deployment and employment of Marine Air-Ground Task Forces in support of joint operations.

(2) Translates operational requirements into ADP system input and articulates MAGTF capabilities and requirements in operational and ADP terms.

(3) Operates a terminal on the SIPRNET to pass data to and communicate with other headquarters possessing a workstation.

(4) Initiates, accesses, modifies, and manipulates files and uses the Joint Operation Planning and Execution Systems (JOPES) and Joint Forces Requirements Generator (JFRG) to create the Marine Corps input to time-phased force and deployment data (TPFDD) files in support of unified/specified commanders' operation plans.

(5) Accesses, modifies, and manipulates the JOPES to monitor the deployment flow during execution.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

2. MOS 0505, Marine Air Ground Task Force (MAGTF) Planners*

a. Summary. Marine Air Ground Task Force (MAGTF) Planners complete an Advanced Intermediate Level School preparing them for planning and operational billets on selected Marine Corps staffs to include Marine Expeditionary forces, Marine Component Headquarters, MAGTF Staff Training Program, Marine Corps Warfighting Laboratory, Headquarters Marine Corps (CMC Staff Group or Strategic Initiative

Group), and other staffs with designated billets. These officers are prepared to lead Operational Planning Teams and conduct actions surrounding complex issues on senior staffs. Additionally, officers with this skill designator can be utilized during later tours in their career to fill appropriate Joint and service billets requiring planning and operations expertise and complex problem solving skills. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Complete one of the following resident schools:

(a) Marine Corps School of Advance War fighting, Quantico, VA.

(b) U.S. Army School of Advanced Military Studies, Ft Leavenworth, KS.

(c) U.S. Air Force School of Advanced Airpower Studies, Maxwell AFB, AL.

(d) Naval Operational Planner Course, Newport, RI.

(2) Must be eligible for a top-secret clearance based on a Single Scope Background Investigation (SSBI).

(3) Must be an unrestricted officer of the grade of Major or higher.

c. Duties. See MCWP 5-1 Marine Corps Planning Process.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 0530, Civil Affairs Officer*

a. Summary. Civil affairs officers assist the MAGTF commander to plan, coordinate, and conduct civil-military operations. They help the commander to consider the civil implications of all MAGTF missions throughout the conduct of Marine Corps Planning Process. They act as an interface between the MAGTF commander and a wide variety of civilian populations, agencies, and organizations. They provide cultural and regional expertise to the commander and assist in training and preparing the MAGTF for civil-military operations. This MOS will be assigned to unrestricted line officers as a skill designator MOS only by the CMC (MM).

b. Requirements/Prerequisites

(1) A foreign affairs background, a minimum of 6 months experience in a civil affairs group, and completion of a military civil affairs course are preferred, but not mandatory.

(2) While a security clearance is not a prerequisite for holding this MOS, one must be able to obtain a clearance up to top secret, should the billet specify.

c. Related DOT Classification/DOT Code

(1) Civil Preparedness Training Officer 169.127-010.

(2) Civil Preparedness Officer 188.117-022.

1109. **OCCUPATIONAL FIELD 06, COMMUNICATIONS**

1. MOS 0602, Communications Officer (I)"

a. Summary. Communications officers command, or assist in commanding, a communication unit or element. They supervise and coordinate all aspects of the planning, installation, operation, displacement and maintenance of data, telecommunication, and computer systems.

b. Requirements/Prerequisites

(1) Complete the Basic Communication Information Systems Officer Course, MCCDC, Quantico, VA.

(2) Must be eligible for a top-secret security clearance based on a special background investigation.

(3) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.117, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Manager, Electronic Data Processing 169.167-030.

(2) Superintendent, Radio Communications 193.167-018.

(3) Manager, Communications Station 184.167-062.

2. MOS 0603, C4 Planner (Officer)*

a. Summary. C4 planners serve in selected billets, which provide the G-6/S-6 with additional sources within the command staff section for the planning, coordination, and monitoring of C4 systems. This MOS may be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) This MOS will be assigned only to officers already holding MOS 0602.

(2) Complete the USMC Command, Control, Communications, and Computers Planners Course (C4PC), Command and Control Systems School, Quantico, VA.

c. Duties

(1) Plan and coordinate:

(a) C4 systems support requirements,

(b) C4 systems support for external and higher headquarters,

(c) C4 systems to support a MAGTF commander as a joint task force commander,

(d) C4 systems to support a MAGTF commander as a component commander,

(e) C4 systems support for joint/combined operation,

(f) C4 systems support for expeditionary operations,

(g) C4 systems integration (all Phases),

(h) Systems architecture/connectivity,

(i) Air command and control systems,

(j) Interoperability of USMC and USN C4 systems,

(k) Systems/Information security.

(2) Provide advanced planning for employment and sustainment of new C4 systems prior to fielding.

(3) Prioritize electromagnetic spectrum requirements.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 0610, Telephone Systems Officer (III)

a. Summary. Telephone systems officers supervise and coordinate the planning, installation, operation, and maintenance for our tactical voice switching common user network and special subscriber terminal employment within a MAGTF, including external connectivity to joint and national systems, and our supporting establishment infrastructure for voice, data, and video services.

b. Requirements/Prerequisites

(1) Chief warrant officers and warrant officers assigned this MOS must currently hold one of the following MOSs: 2822, 2823, 2844, 2847, 2862, 0614, or 0619.

(2) Complete the Telephone Systems Warrant Officer Course at Quantico, VA.

(3) Must have a secret security clearance based upon a National Agency Check.

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Central Office Repairer Supervisor 822.131-010.

(2) Communications Electrician Supervisor 823.131-010.

(3) Radio Mechanic 823.261-018.

(4) Maintenance Mechanic, Telephone.

(5) Electronic Mechanic.

(6) Station Installer and Repairer 822.261-022.

(7) Line supervisor 822.131-018.

(8) Customer-Facilities Supervisor 822.31-014.

4. MOS 0620, Network Management Officer (III)

a. Summary. Network management officers supervise and manage the planning and operation of transmission systems, multiplexing and circuit integration of all elements of wire, radio, and data communications in support of the MAGTF and Joint networks. They also develop documentation required to ensure effective employment of communications transmission systems in current and future operations.

b. Requirements/Prerequisites

(1) Chief warrant Officers and warrant officers assigned this MOS must have previously served in one of the following communications related MOSs: 0612, 0619, 0621, or 0629.

(2) Complete the Network Management Warrant Officer Course at Quantico, VA.

(3) Must have a secret security clearance based upon a National Agency Check (NAC).

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks refer to MCO 1510.83A, Individual Training Standards.

d. Related DOT Classification/DOT Code. Superintendent, Radio Communications 193.167.018.

5. MOS 0640, Strategic Spectrum Planner (III)

a. Summary. Strategic spectrum planners supervise and manage the planning and use of the electromagnetic spectrum for all communications and radio location requirements, provide technical and administrative guidance for the certification of equipment utilizing the electromagnetic spectrum, develop and supervise the Joint Communications Electronic Operating Instructions (JCEOI) and associated communication publications and documents, provide guidance and oversight on the use of Spectrum XXI, request, coordinate, and ensure Host Nation Approval (HNA) for equipment and coordinate with the Joint Services. This MOS is no longer being awarded and is retained as a skill designator by those previously holding MOS 0625. Chief Warrant Officers and warrant officers with MOS 0625 were reclassified as MOS 0640, Strategic Spectrum Planner.

b. Requirements/Prerequisites

(1) Complete the Inter-service Radio Frequency Management School at Keesler AFB, MS.

(2) Complete the Joint Task Force Spectrum Management Course at Keesler AFB, MS.

(3) Warrant Officers assigned the MOS must have previously served in one of the following communications MOSs: 0621/0629/0699.

(4) This MOS requires a secret security clearance based upon a National Agency Check.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.83A, Individual Training Standards.

d. Related DOT Classification/DOT Code. None.

5. MOS 0650, Data Systems Management Officer (III)

a. Summary. Data systems management officers supervise and manage the security planning and operation of IT systems. With a primary focus in the functional areas of Internet Protocol (IP) Local and Wide area Networks, they plan and supervise the installation and management of IT systems. They satisfy mission requirements, and provide technical direction, in conjunction with the overall communications control effort, relating to the security, installation, and performance of IT systems within the Marine Corps and Joint networks. Additionally, they develop documentation and provide technical guidance required to procure and integrate IT systems in the development of Marine Corps plans and policy for current and future operations.

b. Requirements/Prerequisites

(1) Warrant officers assigned this MOS must have previously served in one of the following data communication related MOSs: 4067, 0651, 0656, 0659, or 0689.

(2) Complete the Data Systems Management Warrant Officer Course at Quantico, VA.

(3) Must have a secret security clearance based on a National Agency Check.

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.37, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Systems Analyst 030.167-104.

(2) Data Communications Technician Supervisor 031.132-010.

(3) Data Communications Analyst 031.262-010.

(4) User Support Analyst Supervisor 032-132-010.

1110. OCCUPATIONAL FIELD 08, FIELD ARTILLERY

1. MOS 0802, Field Artillery Officer (I)

a. Summary. Field artillery officers command, or assist commanders in directing field artillery units. They direct tactical employment of the field artillery unit in combat, and coordinate unit's fire with other artillery units with mortar, air, and naval surface fire support ships. They evaluate intelligence, plan targeting at all echelons, and direct administration, communication, supply, maintenance, and security activities of artillery units.

b. Requirements/Prerequisites

(1) Complete the Field Artillery Officer Basic Course at Ft. Sill, OK.

(2) For Selected Marine Corps Reserve:

(a) Must complete twelve months on-the-job training (OJT) in a drilling SMCR artillery battery (MOS 0802 billet).

(b) Complete the Artillery Safety Certification Examination.

(c) Complete the Reserve Officer Artillery Certification Course Nonresident Course of Instruction.

(d) Upon completion of (a) and (c) above and based upon the recommendation of the unit commander, complete the Reserve Artillery Officer Certification Course Resident Instruction at Ft. Sill, OK.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

2. MOS 0803, Target Acquisition Officer (III)

a. Summary. Target acquisition officers advise the artillery commander on all survey, meteorological and target acquisition radar matters. They supervise the establishment, operation and maintenance of the radar platoon and target processing section. They formulate, coordinate and supervise the execution of survey plans essential to the proper employment of field artillery. They direct and perform survey reconnaissance. They supervise the establishment, operation and maintenance of meteorological stations, direct atmospheric meteorological observation, and interpret, evaluate, and distribute atmospheric data.

b. Requirements/Prerequisites

(1) Must complete the Target Acquisition Warrant Officer Basic Course at the U.S. Army Field Artillery School, Ft. Sill, OK.

(2) Must have previously served in one of the following MOSs: 0842, 0844, 0847, 0848, or 0861.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 0840, Naval Surface Fire Support Planner*

a. Summary. Naval surface fire support (NSFS) planners prepare, plan for, and coordinate the execution of NSFS. They perform staff functions to integrate NSFS with other supporting arms in amphibious operations and subsequent operations ashore. They supervise and coordinate shore fire control parties, and naval gunfire spot teams. This MOS will be assigned as a skill designator MOS only by the CMC (MM).

b. Requirements/Prerequisites. Complete the Naval Gunfire Liaison Officer Course at EWTGPAC, Coronado, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

4. MOS 0845, Naval Gunfire Spotter*

a. Summary. Naval gunfire spotters advise the supported unit commander on the employment of NSFS; and plan, call for, adjust, and control NSFS on selected targets. This MOS will be assigned as a skill designator MOS only by the CMC (MM).

b. Requirements/Prerequisites. Complete the Naval Gunfire Spotter Course at EWTGPAC, Coronado, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training and Readiness Manual.

d. Related DOT Classification/DOD Code. No civilian equivalent.

1111. **OCCUPATIONAL FIELD 11, UTILITIES**

1. MOS 1120, Utilities Officer (III)

a. Summary. The utilities OccFld includes technical warrant officers who plan, supervise, and coordinate activities of Marines in various MOSs who install, operate, and maintain water supply, heating, mobile electrical power generating sources, electrical distribution systems, air conditioning, refrigeration, and hygiene utility systems. There are a wide variety of challenging and interesting billets available to Warrant Officers in OccFld 11, ranging from duty in battalions and squadrons of the division, air wing, and force service support groups, to instructor duty at the Marine Corps Engineer School and acquisition billets at the Marine Corps Systems Command.

b. Requirements/Prerequisites

(1) Complete the Utilities Officer Course, Marine Corps Engineer School, MCB Camp Lejeune, NC.

(2) Must have previously served in one of the following MOSs: 1141, 1142, 1161, 1169, or 1171, 1181.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96, Individual Training Standards.

d. Related DOT Classification/DOT Code. Commissioner, Public Works 188.117-030.

1112. **OCCUPATIONAL FIELD 13, ENGINEER, CONSTRUCTION, FACILITIES, AND EQUIPMENT**

1. MOS 1302, Combat Engineer Officer (I)

a. Summary. Engineer officers command or assist in commanding engineer units consisting of Marines in various MOSs whose duties include repair, maintenance, and operation of engineer heavy equipment; construction, operation, and repair of structures and facilities; clearing and emplacing obstacles such as minefields; construction of bridges; using explosives for construction and demolition projects; using specialized demolitions for urban breaching; storage and distribution of bulk fuel products; installation, operation, and maintenance of utility systems.

b. Requirements/Prerequisites

(1) Complete the Combat Engineer Officer Course, Marine Corps Engineer School, MCB Camp Lejeune, NC.

(2) Non-MOS qualified Reserve officers unable to attend the regular formal school course may be certified for MOS 1302, as an AMOS-only, by the commander upon successful completion of the Alternate Training Instructional Program (ATIP) of the Marine Force Reserves. The ATIP for MOS 1302 Marines is found in Force Order 1535.1 and consists of core tasks to be performed to standard at Reserve MOJT, MCI, and three periods of schoolhouse instruction. The MOS 1302 Engineering Officer candidate is eligible for MOS 1302 after completion of any of the three-periods of schoolhouse instruction, completion of all required MCI courses, and a minimum of six months MOJT while assigned to a 1302 billet.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code. Superintendent, Construction 182.167-026.

2. MOS 1310, Engineer Equipment Officer (III)

a. Summary. Engineer equipment officer are warrant officers who supervise and coordinate engineer equipment repair, operation, and related metalworking activities in support of facilities, bridge, fuel farm construction/repair; obstacle clearing and emplacing; materials handling, and installation of utility systems. There are a variety of challenging and interesting billets available in MOS 1310, ranging from duty in battalion and squadrons of the division, air wing, and force service support groups, to instructor duty at the Marine Corps Engineer School, and acquisition billets at the Marine Corps Systems Command.

b. Requirements/Prerequisites

(1) Complete Engineer Equipment Officers Course, U.S. Army Engineer School, Ft Leonard Wood, MO.

(2) Must have previously served in one of the following MOSs: 1316, 1341, 1345, or 1349.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 1330, Facilities Management Officer*

a. Summary. Facilities management officers assist commanders in carrying out their responsibilities to obtain, maintain, and operate facilities needed for mission accomplishment. Responsibilities at the installation level include facilities maintenance planning, budgeting, and execution with billets as facilities maintenance plans officer and facilities maintenance officer (the latter position being the Maintenance Branch Head or equivalent for a Marine Corps installation). Responsibilities at Headquarters Marine Corps include plans and policy formulation for base realignment and closure, real property maintenance activities, and family/bachelor housing. This MOS may be assigned only as a skill designator MOS by the CMC (MM) upon a request from the individual or MOS Manager.

b. Requirements/Prerequisites

(1) Completion of the Marine Corps Facilities Management Course, Civil Engineer Corps Officers School (CECOS), Port Hueneme, CA.

(2) Completion of a minimum of 6 months in a facilities management billet.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

4. MOS 1390, Bulk Fuel Officer (III)

a. Summary. The bulk fuel officer MOS consists of technical warrant officers who plan, coordinate, and supervise the receipt, storage, transfer, and distribution of bulk fuel. Frequently, coordination with other agencies, both interservice and internationally, are required. Duties range from developing bulk fuel site rear area security plans, to emplacement of a bulk fuel system, to writing the bulk fuel portion of operation orders. Environmental concerns are extremely crucial in any training scenario. Challenging and interesting billets include battalions within the Force Service Support Group and squadrons within the Marine Aviation Wing, as well as, instructor duty at the U.S. Army Quartermaster School, and equipment acquisition at the Marine Corps Systems Command.

b. Requirements/Prerequisites

(1) Complete the Petroleum Officer Course, U.S. Army Quartermaster School, Ft Lee, VA.

(2) Must have previously held MOS 1391.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Fuel System Maintenance Supervisor 638.131-010.

(2) Manager, Bulk Plant 181.117-010.

1113. **OCCUPATIONAL FIELD 18, TANK AND ASSAULT AMPHIBIOUS VEHICLE**

1. MOS 1802, Tank Officer (I)

a. Summary. Tank officers' command, or assist in commanding tank units. Provide recommendations to the supported unit commander for the tactical employment of tank units. Tank officers, as maneuver unit leaders, must be able to evaluate intelligence and the operational situation. Additionally, they formulate, coordinate, and execute operation orders.

b. Requirements/Prerequisites. Complete the Armor Officer Basic Course, Ft. Knox, KY. (Note: 1802s that graduate from an M1A1 qualification course at Ft Knox, will become M1A1 qualified.) Non-MOS qualified reserve officers may be certified as 1802 upon completion of an authorized three-phased training. Phase 1 and 2 are combined into a nineteen-day attendance at the Marine Corps M1A1 Reserve Tank Commander/Gunner Course (MCRTCGC), Ft. Knox, KY. Phase 3 is home station completion of an MOJT package administered by the Inspector-Instructor. The Bn I&I may certify USMCR officer upon completion of phase 3 and satisfactory demonstration of core skills as set forth in the Individual Training Standards while occupying a billet requiring the AMOS via the OccFld manager.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.98, Individual Training Standards.

d. Related DOT Classification/DOD Code. No civilian equivalent.

2. MOS 1803, Assault Amphibious Vehicle (AAV) Officer (I)

a. Summary. Assault amphibious vehicle officers' command, or assist in commanding, assault amphibian (AA) units, provide recommendations to the supported unit commander for the tactical employment of AA units. They also direct AA units on maneuvers, tactical problems, and in combat. In conjunction with the U.S. Navy units, they control the ship to shore movement of AAVs. AAV officers are responsible for the AA unit's personnel and equipment readiness, operational employment, and the identification and coordination of required logistics support.

b. Requirements/Prerequisites

(1) Complete the Assault Amphibious Vehicle Officer Course at Camp Pendleton, CA.

(2) Must have CWS-1 swimmer qualification.

(3) Must have visual acuity correctable to 20/40 in both eyes.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.103, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

1114. **OCCUPATIONAL FIELD 21, GROUND ORDNANCE MAINTENANCE**

1. MOS 2102, Ordnance Officer (II)

a. Summary. Ordnance officers manage ordnance operations in the Marine Forces, Marine Expeditionary Forces, Bases, Posts, and Stations to include Headquarters Marine Corps. They serve as the Ground Ordnance Maintenance Technical Advisor in General Staff. They may command, or assist in commanding a ground ordnance maintenance unit or test, evaluate, and advise in a foreign or joint environment.

b. Requirements/Prerequisites

(1) Complete the Marine Corps Ordnance Officer Course at U.S. Army Ordnance Center and School, Aberdeen Proving Ground, MD.

(2) Be a captain, major or lieutenant colonel LDO and have previously held warrant officer MOS 2110, 2120, or 2125.

(3) Attend a 2-week orientation course on ammunition at the U.S. Army Missile and Munition Center and School, Redstone Arsenal, AL.

(4) Complete the Warrant Officer Basic Course (WOBC).

(5) Schools/Courses available:

(a) Advanced Logistics Officer Course.

(b) Joint Logistics Officer Course.

(c) Tactical Officer Logistics Course.

(d) Marine Corps Logistics Education Program.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Superintendent, Ammunition Storage 189.167-038.

(2) Artillery-Maintenance Supervisor 632.131-010.

2. MOS 2110, Ordnance Vehicle Maintenance Officer (III)

a. Summary. Ordnance vehicle maintenance officers manage the equipment readiness, work progress, and maintenance personnel qualification/training. They manage the activities of personnel engaged in the recovery, salvage, and maintenance of weapon systems (ordnance vehicles). They supervise the eleven functional areas of maintenance management; establish field maintenance sites, and procedures for the defense of those sites. They manage command environmental hazardous waste programs, and supervise and provide oversight of disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

b. Requirements/Prerequisites

(1) Complete the Marine Corps Ordnance Officer Course at U.S. Army Ordnance Center and School, Aberdeen Proving Ground, MD.

(2) This MOS may only be assigned to warrant officers previously qualified in MOS 2141, 2146, 2147, 2149, or 2171.

(3) Complete the Warrant Officer Basic Course within 18 months of appointment to WO/W-1.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code. Supervisor, Endless Track Vehicle 620.131-010.

3. MOS 2120, Weapons Repair Officer (III)

a. Summary. Weapons repair officers manage the equipment readiness, work progress, and maintenance personnel qualification/training. They manage the activities of personnel engaged in the recovery, salvage, and maintenance of weapon systems (small arms and artillery). They supervise the eleven functional areas of maintenance management. They manage command environmental and hazardous waste programs. They supervise and provide oversight of disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

b. Requirements/Prerequisites

(1) Complete the Marine Corps Ordnance Officer Course at U.S. Army Ordnance Center and School, Aberdeen Proving Ground, MD.

(2) Must have previously served in one of the following MOSs: 2111, 2112, 2131, 2161, 2171, or 2181.

(3) Complete Warrant Officer Basic Course within 18 months of appointment to WO/W-1.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code. Artillery-Maintenance Supervisor.

4. MOS 2125, Electro-Optic Instrument Repair Officer (III)

a. Summary. Electro-optic instrument repair officers manage the equipment readiness, work progress, and maintenance personnel qualification/training. They manage the activities of personnel engaged in maintenance on fire control, optical, electro-optical/laser devices, and small missile systems. They supervise the eleven functional areas of maintenance management. They establish maintenance production lines, procedures for inspection, and quality assurance on repaired equipment, field maintenance sites, and procedures for the defense of those sites. They manage command environmental and hazardous waste programs. They supervise and provide oversight of disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

b. Requirements/Prerequisites

(1) Complete the Marine Corps Ordnance Officer Course at U.S. Army Ordnance Center and School, Aberdeen Proving Ground, MD.

(2) This MOS may only be assigned to warrant officers previously qualified in MOS 2171.

(3) Complete the Warrant Officer Basic Course within 18 months of appointment to WO/W-1.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

1115. **OCCUPATIONAL FIELD 23, AMMUNITION AND EXPLOSIVE ORDNANCE DISPOSAL**

1. MOS 2305, Explosive Ordnance Disposal Officer (II/III)

a. Summary. Explosive ordnance disposal (EOD) officers supervise and/or command an EOD unit. They supervise and participate in operations that include special demolition techniques, and the location, excavation, recovery, rendering safe, neutralizing disassembly, inerting, detonating, burning or final disposal of unsafe conventional unexploded explosive ordnance (chemical, nuclear, and biological ordnance), as well as weapons of mass destruction (WMD), and improvised explosive devices (IED), that pose a threat to operations, installations, personnel, or materiel.

b. Requirements/Prerequisites

(1) This MOS may only be assigned to a warrant officer/limited duty officer previously qualified in MOS 2336.

(2) Must have a final secret security clearance based on a background investigation.

(3) Must meet all requirements for assignment to a critical position within the Nuclear Weapons Personnel Reliability Program (PRP); refer to SECNAVINST 5510.35.

(4) Must have normal color vision and no claustrophobic tendencies.

(5) In the performance of their duties, must be physically qualified for an explosive driver's license as well as emergency vehicles operator license, per NAVSEA, SW020-AF-ABK-010.

(6) Requirements for continued qualification and progression training are:

(a) Must attend the Explosive Ordnance Disposal Refresher Course.

(b) Complete the Advanced Access and Disablement Course.

(c) Complete the Radiological Emergency Team (RETOPS) Course.

(d) Complete the Joint Nuclear Explosive Ordnance Disposal (JNEODC) Course.

(e) Complete the Dynamic Entry Basic Course.

(f) Completion of Hazardous Device School or Canadian IED Course or British IED Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.78, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

2. MOS 2340, Ammunition Officer (II/III)

a. Summary. Ammunition officers supervise and coordinate ammunition supply and renovation functions. These functions include, but are not limited to, procurement, receipt, storage, issue, handling, shipment, salvage, and renovation of ammunition.

They also operate ammunition supply points and are responsible for the establishment of field ammunition supply points in forward areas. Ammunition officers are assigned to billets on the general staff level and are responsible for advising those commanders on matters relating to the development of ammunition allowances for both training and combat operations. Assignments may also include commanding an ammunition company.

b. Requirements/Prerequisites

(1) Must have a secret security clearance based on background investigation.

(2) Complete the Ammunition Warrant Officer Entry Course at U.S. Army Ordnance Missile and Munitions Center and School, Redstone Arsenal, AL.

(3) This MOS may only be assigned to warrant officers who were previously qualified in MOS 2311.

(4) Only MOS 2340 Warrant Officers may apply for appointment as a MOS 2340 Limited Duty Officer (LDO). Warrant Officers applying for MOS 2340 LDO must have demonstrated ammunition technical qualification through performance of duty as a Warrant Officer in ammunition billets.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.78, Individual Training Standards.

d. Related DOT Classification/DOT Code. Magazine Supervisor 222.137-018.

1116. **OCCUPATIONAL FIELD 25, OPERATIONAL COMMUNICATIONS**

1. MOS 2510, Network Management Officer (III)

a. Summary. Network management officers supervise and manage the planning and operation of transmission systems, and circuit integration of all elements of wire, radio, and data communications in support of the MAGTF and Joint networks. They also develop documentation required to ensure effective employment of communications transmission systems in current and future operations. This MOS is no longer being awarded and is retained as a skill designator by those previously holding the MOS. Warrant officers and chief warrant officers with MOS 2510 were reclassified as MOS 0620, Network Management Officer. This MOS will remain in the MOS Manual until 2005.

b. Requirements/Prerequisites

(1) Complete the Network Management Warrant Officer Course at Quantico, VA.

(2) Warrant Officers assigned this MOS must have previously served in one of the following communications related MOSs: 0612, 0619, 0621, or 0629.

(3) This MOS requires a secret security clearance based upon a National Agency Check (NAC).

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks refer to MCO 1510.83A, Individual Training Standards.

d. Related DOT Classification/DOT Code. Superintendent, Radio Communications 193.167.018.

1117. **OCCUPATIONAL FIELD 26, SIGNALS INTELLIGENCE/GROUND ELECTRONIC WARFARE**

1. MOS 2602, Signals Intelligence/Electronic Warfare Officer (III)#

a. Summary. Signals intelligence/ground electronic warfare (SIGINT/EW) warrant officers supervise the tactical and technical employment of SIGINT/ground EW units, provide technical guidance and expertise in SIGINT support to intelligence digital network transmissions, digital network defense, digital network exploitation, provide technical guidance in the processing and reporting of information, and supervise the operations of the Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES) within the VMAQ squadrons.

b. Requirements/Prerequisites

(1) Must be eligible for a top-secret security clearance based upon a Single Scope Background Investigation.

(2) Must have previously served in one of the following MOSs: 2621, 2631, 2651, or 267X.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.38, Signals Intelligence Training & Readiness Manual.

d. Related DOT Classification/DOT Codes. No civilian equivalent.

This MOS is no longer being assigned to unrestricted officers. Unrestricted officers assigned this MOS will be redesignated MOS 0202 or 0206 by CMC (MM).

2. MOS 2611, Cryptologic Digital Network Technician/Analyst (Officer)*

a. Summary. Cryptologic digital network technician/analyst require formal Digital Network Analysis and Reporting training. Digital network technicians are involved in all facets of planning and conducting digital network collection, analysis and reporting. Operators must perform digital signals search mission; measure, evaluate and classify digital network signals; and provide traditional signals intelligence (SIGINT) support as deemed necessary by the unit commander. Operators must be familiar with computer hardware and software programs to include network operating systems. The duties and tasks for MOS 2611 increase at the rank of (staff sergeant and above) to encompass digital network analysis product reporting, information operations planning support, and supervisory tasks and functions. This MOS will be assigned as a skill designator MOS only to Marines in the 2600 OccFld.

b. Requirements/Prerequisites

(1) This MOS may be awarded to warrant officers who previously qualified while enlisted.

(2) Must have completed the Basic Digital Network Analysis course or the Network Exploitation and Mapping Course.

(3) Must be a U.S. citizen.

(4) Must possess a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

(5) This MOS will be assigned and voided only by the authority of the CMC (MM).

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.41, Signals Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

1118. **OCCUPATIONAL FIELD 27, LINGUIST**

1. MOS 2711 Through 2794, Linguist*

a. Summary. Linguist MOSs (2711-2727, 2733-2747, 2754-2769, 2776-2794) are skill designator MOSs that require specialized foreign language skills. Linguists supervise and participate in language translation/interpretation activities pertaining primarily to military operational and intelligence activities. The linguist MOSs will be assigned as skill designator MOSs to identify those Marines with qualifying foreign language skills. These titles and MOSs will also be used to identify billets in T/Os requiring specific foreign language skills as a required billet MOS (BMOS). These skill designator MOSs will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Successfully complete the required course of instruction at the Defense Language Institute. (Note: Individuals may also qualify for this skill designator MOS by demonstrating proficiency in the appropriate language by achieving a minimum level 2 proficiency in both the listening and either the reading or speaking portions of the Defense Language Proficiency test (DLPT).

(2) Maintain a current qualifying Defense Language Proficiency Test (DLPT) score of Reading Level 2/Listening Level 2.

c. Duties

(1) Conducts bi-directional consecutive interpretation of target language to English and English to target language using phraseology selected to preserve the original intent, meaning, and emphasis.

(2) Phrases ideas to avoid language that is stilted, unnatural, and difficult to understand.

(3) Displays an impartial attitude toward each speaker and to facts and opinions expressed.

(4) Interprets into either English or foreign language statements made by participants in conferences, working parties, and all similar activities.

(5) Interviews friendly non-English speaking civilians such as police, clergymen, and other citizens to obtain information of military value.

(6) Writes reports, including opinion as to the credibility of the person interviewed, for use by unit commander and for dissemination to lower, adjacent, and higher headquarters.

(7) Translates into either English or the foreign language, written material of both a technical and nontechnical nature.

(8) Establishes a file of language reference materials, English and foreign language dictionaries, and glossaries of military terms.

d. Related DOT Classification/DOT Code

(1) Interpreter 137.267-010.

(2) Translator 137.267-018.

2. Skill Designators - Middle East (MOSs 2711 to 2727)

a. Skill Designator, MOS 2711, Afghan Pushtu

(1) Requirement/Prerequisite. Must be proficient in Afghan Pushtu.

b. Skill Designator, MOS 2712, Arabic (Mod Std)

(1) Requirement/Prerequisite. Must be proficient in Arabic (Mod Std).

c. Skill Designator, MOS 2713, Arabic (Egyptian)

(1) Requirement/Prerequisite. Must be proficient in Arabic (Egyptian).

d. Skill Designator, MOS 2714, Arabic (Syrian)

(1) Requirement/Prerequisite. Must be proficient in Arabic (Syrian).

e. Skill Designator, MOS 2716, Amharic

(1) Requirement/Prerequisite. Must be proficient in Amharic.

f. Skill Designator, MOS 2717, Bengali

(1) Requirement/Prerequisite. Must be proficient in Bengali.

g. Skill Designator, MOS 2718, Hebrew

(1) Requirement/Prerequisite. Must be proficient in Hebrew.

h. Skill Designator, MOS 2719, Hindi

(1) Requirement/Prerequisite. Must be proficient in Hindi.

i. Skill Designator, MOS 2721, Kurdish

(1) Requirement/Prerequisite. Must be proficient in Kurdish.

j. Skill Designator, MOS 2722, Persian-Farsi

(1) Requirement/Prerequisite. Must be proficient Persian-Farsi.

k. Skill Designator, MOS 2723, Somali

(1) Requirement/Prerequisite. Must be proficient in Somali.

l. Skill Designator, MOS 2724, Swahili

(1) Requirement/Prerequisite. Must be proficient in Swahili.

m. Skill Designator, MOS 2726, Turkish

(1) Requirement/Prerequisite. Must be proficient in Turkish.

n. Skill Designator, MOS 2727, Urdu

(1) Requirement/Prerequisite. Must be proficient in Urdu.

3. Skill Designators - Asia-Pacific (MOSs 2733 to 2747)

a. Skill Designator, MOS 2733, Burmese

(1) Requirement/Prerequisite. Must be proficient in Burmese.

b. Skill Designator, MOS 2734, Cambodian

(1) Requirement/Prerequisite. Must be proficient in Cambodian.

c. Skill Designator, MOS 2736, Chinese (Cant)

(1) Requirement/Prerequisite. Must be proficient in Chinese (Cant).

d. Skill Designator, MOS 2737, Chinese (Man)

(1) Requirement/Prerequisite. Must be proficient in Chinese (Man).

e. Skill Designator, MOS 2738, Indonesian

(1) Requirement/Prerequisite. Must be proficient in Indonesian.

f. Skill Designator, MOS 2739, Japanese

(1) Requirement/Prerequisite. Must be proficient in Japanese.

g. Skill Designator, MOS 2741, Korean

(1) Requirement/Prerequisite. Must be proficient in Korean.

h. Skill Designator, MOS 2742, Laotian

(1) Requirement/Prerequisite. Must be proficient in Loatian.

i. Skill Designator, MOS 2743, Malay

(1) Requirement/Prerequisite. Must be proficient in Malay.

j. Skill Designator, MOS 2744, Tagalog

(1) Requirement/Prerequisite. Must be proficient in Tagalog.

k. Skill Designator, MOS 2746, Thai

(1) Requirement/Prerequisite. Must be proficient in Thai.

l. Skill Designator, MOS 2747, Vietnamese

(1) Requirement/Prerequisite. Must be proficient in Vietnamese.

4. Skill Designators - European I (West) (MOSs 2754 to 2769)

a. Skill Designator, MOS 2754, Dutch

(1) Requirement/Prerequisite. Must be proficient in Dutch.

b. Skill Designator, MOS 2756, Finnish

(1) Requirement/Prerequisite. Must be proficient in Finnish.

c. Skill Designator, MOS 2757, French

(1) Requirement/Prerequisite. Must be proficient in French.

d. Skill Designator, MOS 2758, German

(1) Requirement/Prerequisite. Must be proficient in German.

e. Skill Designator, MOS 2759, Greek

(1) Requirement/Prerequisite. Must be proficient in Greek.

f. Skill Designator, MOS 2761, Haitian-Creole

(1) Requirement/Prerequisite. Must be proficient in Haitian-Creole.

g. Skill Designator, MOS 2762, Icelandic

(1) Requirement/Prerequisite. Must be proficient in Icelandic.

h. Skill Designator, MOS 2763, Italian

(1) Requirement/Prerequisite. Must be proficient in Italian.

i. Skill Designator, MOS 2764, Norwegian

(1) Requirement/Prerequisite. Must be proficient in Norwegian.

j. Skill Designator, MOS 2766, Portuguese (BR)

(1) Requirement/Prerequisite. Must be proficient Portuguese (BR).

k. Skill Designator, MOS 2767, Portuguese (EU)

(1) Requirement/Prerequisite. Must be proficient Portuguese (EU).

l. Skill Designator, MOS 2768, Spanish

(1) Requirement/Prerequisite. Must be proficient in Spanish.

m. Skill Designator, MOS 2769, Swedish

(1) Requirement/Prerequisite. Must be proficient in Swedish.

5. Skill Designators - European II (East) (MOSs 2776 to 2794)

a. Skill Designator, MOS 2776, Albanian

(1) Requirement/Prerequisite. Must be proficient in Albanian.

b. Skill Designator, MOS 2777, Armenian

(1) Requirement/Prerequisite. Must be proficient in Armenian.

c. Skill Designator, MOS 2778, Bulgarian

(1) Requirement/Prerequisite. Must be proficient in Bulgarian.

d. Skill Designator, MOS 2779, Czech

(1) Requirement/Prerequisite. Must be proficient in Czech.

e. Skill Designator, MOS 2781, Estonian

(1) Requirement/Prerequisite. Must be proficient in Estonian.

f. Skill Designator, MOS 2782, Georgian

(1) Requirement/Prerequisite. Must be proficient in Georgian.

g. Skill Designator, MOS 2783, Hungarian

(1) Requirement/Prerequisite. Must be proficient in Hungarian.

h. Skill Designator, MOS 2784, Latvian

(1) Requirement/Prerequisite. Must be proficient in Latvian.

i. Skill Designator, MOS 2786, Lithuanian

(1) Requirement/Prerequisite. Must be proficient in Lithuanian.

j. Skill Designator, MOS 2787, Macedonian

(1) Requirement/Prerequisite. Must be proficient in Macedonian.

k. Skill Designator, MOS 2788, Polish

(1) Requirement/Prerequisite. Must be proficient in Polish.

l. Skill Designator, MOS 2789, Romanian

(1) Requirement/Prerequisite. Must be proficient in Romanian.

m. Skill Designator, MOS 2791, Russian

(1) Requirement/Prerequisite. Must be proficient in Russian.

n. Skill Designator, MOS 2792, Serb-Croat

(1) Requirement/Prerequisite. Must be proficient in Serb-Croat.

o. Skill Designator, MOS 2793, Slovenian

(1) Requirement/Prerequisite. Must be proficient in Slovenian.

p. Skill Designator, MOS 2794, Ukranian

(1) Requirement/Prerequisite. Must be proficient in Ukranian.

1119. **OCCUPATIONAL FIELD 28, GROUND ELECTRONICS MAINTENANCE**

1. MOS 2802, Electronics Maintenance Officer (Ground) (II)

a. Summary. Electronics maintenance officers (ground) supervise and coordinate installation, operation, and maintenance of all electronic equipment and systems used by ground units. Provides staff level planning on ground communication-electronics and command and control systems maintenance matters for the MAGTF commander.

b. Requirements/Prerequisites

(1) Must be eligible for a secret security clearance.

(2) This MOS may only be assigned to officers previously qualified in MOSs: 2805, Data/Communication Maintenance Officer, and 2810, Telephone Systems Officer.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Superintendent, Communications 184.117-082.

(2) Supervisor of Communications 184.167-230.

2. MOS 2805, Data/Communications Maintenance Officer (III)

a. Summary. Data/Communications maintenance officers supervise and coordinate installation, operation, maintenance, and repair of data/communications equipment and systems.

b. Requirements/Prerequisites

(1) Warrant officers assigned this MOS must currently hold a primary MOS in OccFld 28.

(2) Complete the Electronic Maintenance Supervisors Course (EMSC/WO).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Communications Electrician Supervisor 823.131-010.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

3. MOS 2810, Telephone Systems Officer (III)

a. Summary. Telephone systems officers supervise and coordinate the planning, installation, operation, and maintenance for our tactical voice switching common user network and special subscriber terminal employment within a MAGTF, including external connectivity to joint and national systems, and our supporting establishment infrastructure for voice, data, and video services. This MOS is no longer being awarded and is retained as a skill designator by those previously holding the MOS. Warrant officers and chief warrant officers with MOS 2810 were

reclassified as MOS 0610, Telephone Systems Officers. The MOS number for MOS 2810 is now MOS 0610. This MOS will remain in the MOS Manual until 2005.

b. Requirements/Prerequisites

(1) Warrant officers assigned this MOS must currently hold one of the following MOSs: 2822, 2823, 2844, 2847, 2862, 0614, or 0619.

(2) Complete the Telephone Systems Warrant Officer Course at Quantico, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Central Office Repairer Supervisor 822.131-010.

(2) Communications Electrician Supervisor 823.131-010.

(3) Radio Mechanic 823.261-018.

(4) Maintenance Mechanic, Telephone.

(5) Electronic Mechanic.

(6) Station Installer and Repairer 822.261-022.

(7) Line supervisor 822.131-018.

(8) Customer Facilities Supervisor 822.31-014.

1120. **OCCUPATIONAL FIELD 30, SUPPLY ADMINISTRATION AND OPERATIONS**

1. MOS 3002, Ground Supply Officer (I)

a. Summary. Ground supply officers supervise and coordinate supply operations and related functions of a supply activity, unit, base, or station, including operating forces and shore station organizations. Ground supply officers may direct the activities of a maintenance or industrial type organization, and they command or serve in either an operating forces service unit or a non-operating forces activity. Ground supply officers supervise the execution of policies and procedures pertaining to procurement, receipt, accounting, repair, storage, issue, disposal, computation, and maintenance of stock levels. They supervise transportation of supplies and equipment, and the collection, safeguarding, and transmittal of public funds; participate in the budget process and administration and expenditure of allotted funds; and make necessary recommendations to the commanding officer.

b. Requirements/Prerequisites. Complete the Ground Supply Officer Course, MCB, Camp Lejeune, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.73, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Property Utilization Officer 188.117-122.

(2) Stock Supervisor 222.137-038.

(3) Budget Officer 166.117-010.

(4) Shipping and Receiving Supervisor 222.137-030.

(5) Unclaimed Property Officer 188.167-106.

(6) Property Disposal Officer 163.167-026.

2. MOS 3010, Ground Supply Operations Officer (III)

a. Summary. Ground supply operations officers supervise and coordinate the technical activities of a supply section of the Operating forces or a shore station organization. They provide the technical knowledge of automated supply systems necessary to ensure timely and accurate processing of supply related ADP systems. They provide liaison between supply sections and supporting data processing activities. They supervise the requisitioning, receipt, storage, and issue of materiel; accounting procedures; computation and maintenance of stock levels and disposal of excesses; transportation and processing of personal effects. They supervise the maintenance of subsistence, clothing, ammunition, and property accounts. Ground supply operations officers assist in the budget execution, fund justification, administration of allotted funds, and inform the commanding officer regarding supply support problem areas.

b. Requirements/Prerequisite. Must have previously served in MOS 3043 or 3051.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.73, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Operations Research Analyst 020.067-018.

(2) Systems Analyst 030.167-014.

(3) Supervisor User Support Analyst 032.132-010.

(4) Budget Officer 161.117-010.

(5) Budget Analyst 161.267-030.

(6) Warehouse Supervisor 929-137-022.

(7) Merchandise Distribution Supervisor 219.367-018.

1121. **OCCUPATIONAL FIELD 31, TRAFFIC MANAGEMENT**

1. MOS 3102, Traffic Management Officer (II/III)

a. Summary. MOS 3102, Traffic Management Officer (TMO), is a unique MOS which encompasses broad responsibilities for the transportation of supplies/equipment, personnel/units, and personnel property and deployment storage of personal effects. TMOs use numerous Federal, DoD, and service regulations; the Defense Transportation System (DTS); commercial modes of transportation; and distribution logistic functions to enable optimal selection and procurement of commercial government-operated land, air, and water transportation services. They make daily physical distribution management decisions regarding travel/transportation entitlements for military members and dependents. TMOs act as the contracting officer technical representative (COTR) for the Commercial Travel Office (CTO) contract. TMOs are responsible for various procurement actions, financial documentation and payment processes for transportation services. TMOs within theses perform logistics movement control center functions and container control operations. They organize and control forward deployed organizations for the reception via common user modes of transportation from the Defense Transportation System (DTS) and distribution of sustainment cargo (not associated with unit strategic/tactical deployment phase cargo/equipment). Base/Station TMOs conduct deployment support operations from origin to point of embarkation via commercial assets. TMO billets are located at all USMC Base/Station, MARFOR G-4 SMOs, MEFs, and FSSGs.

b. Requirement/Prerequisites

(1) Complete the ITO/TMO Courses at Ft Eustis, VA.

(2) Skill progression schools:

(a) Defense Advanced Traffic Management (A08CAG1), U.S. Army Transportation Center & School, Ft Eustis, VA.

(b) Mobility Warrant Officer Basic, U.S. Army Transportation Center and School, Fort Eustis, VA.

(c) Transportation/Storage of Hazardous Material (N14CO81), Navy Supply Corps School, Athens, GA or Mobile Training Team (MTT).

(d) Transportation/Storage of Hazardous Material (Recertification) (A01SBM2), School of Military Packaging Technology, Aberdeen Proving Ground, MD.

(e) Installation Traffic Management (A08BES1), U.S. Army Transportation Center and School, Ft Eustis, VA.

(f) Strategic Deployment Planning (A08M7V1), U.S. Army Transportation Center and School, Ft Eustis, VA.

(g) Air Deployment Planning (A08M7U), U.S. Army Transportation Center and School, Ft Eustis, VA.

(h) Unit Movement Officer Deployment Planning (A08M7T1), U.S. Army Transportation Center and School, Ft Eustis, VA.

(i) Advanced Logistics Officers Course (ALOC), Marine Corps University, Quantico, VA (Maj through LtCol).

(j) Global Transportation Network (GTN) Users Course, Air Mobility Command (AMC), Scott AFB, IL.

(k) Joint Operational Planning and Execution System (JOPES) (FO9RAC1), Air Mobility Command (AMC), Scott AFB, IL.

(l) Intermodal Dry Cargo Container (CSC) Reinspection (A33LAS1), U.S. Army Defense Ammunition School, Savanna, IL.

(3) Secret or above security clearance (all grades WO - LtCol).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.41, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Manager, Operations 184.117-050.

(2) Manager, Traffic 184.167-094.

1122. **OCCUPATIONAL FIELD 33, FOOD SERVICE**

1. MOS 3302, Food Service Officer (II/III)

a. Summary. Food service officers plan, organize, manage, analyze, supervise, budget, execute, and coordinate the Food Service and Subsistence Program to include operational logistics, general and direct support, and intra-theater management of Class I supplies. They advise on the functional layout of equipment and design of all construction and rehabilitation projects for food service facilities; develop and supervise the planning, procurement, and distribution of food service equipment, combat rations and contractual services for food service functions; administer the nutrition awareness program and menu development; and recommend the assignments and training for food service and subsistence personnel.

b. Requirements/Prerequisites. Warrant officers assigned this MOS must have previously served in one of the following food service related MOSs: 3361, 3372, 3381, or 4132.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.72, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Manager, Food Service 187.167-106.

(2) Executive Chef 187.167-010.

1123. **OCCUPATIONAL FIELD 34, FINANCIAL MANAGEMENT**

1. MOS 3402, Finance Officer (III)

a. Summary. Finance officers serve as agents of the U.S. Treasury responsible and pecuniary liable for the disbursement, collection, accounting, and safeguarding of all public funds entrusted to them. They are responsible for the proper execution and adherence to policies and procedures governing the valid and legal disbursement/collection of public funds. They are responsible for the maintenance of the payments generated from the Master Military Pay Account (MMPA), the computation and payment of travel entitlements, as well as other miscellaneous payments paid to or on behalf of military personnel or the Marine Corps. They are, as fiscal agents responsible for the timely and accurate reporting of all expenditures and collections into the accounting system. They are advisors to the local commanders and staffs on all matters concerning the technical aspects of military pay and allowances, the disbursement/collection offends, and the laws, regulations, and directives governing their duties and other activities of the command. They supervise and direct the operation of the finance office and are responsible for its performance. They interpret regulations and directives formulating office policies and procedures relative to military pay, travel, and fiscal matters within the office. They are responsible for the formulation and adherence to adequate internal controls to govern the operations of office functions.

b. Requirements/Prerequisites

(1) Must have a secret security clearance.

(2) Must have previously served in MOS 3432.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.75, Individual Training Standards.

d. Related DOT Classification/DOT Code. Treasurer, Financial Institution 186.117-070.

2. MOS 3404, Financial Management Officer (I)

a. Summary. Financial management officers formulate and supervise the execution of policies and procedures pertaining to the financial management of appropriated funds in the operating forces and the shore establishment. The functional areas of assignment are: budget formulation and execution, finance, and resource evaluation and analysis.

(1) Budget formulation and execution duties include supervising the operations of a budget office or section; providing guidance for formulation of budgets; compiling budget estimates; and reviewing and monitoring budget performance and execution.

(2) Finance duties include supervising the operations of a finance office or section within a finance office; providing guidance procedures; ascertaining the validity of disbursements and the collection of public funds; and supervising and directing the legal expenditure of public funds.

(3) Resource evaluation and analysis functions may include the evaluation and analysis of resource management issues and problems; fund administrator inspections; and external audits liaison.

b. Requirements/Prerequisites

(1) Those officers not having prior billet assignment may attend both sections of the Financial Management Officer Course, MCB Camp Lejeune, NC. If billet assignment is known, complete the Financial Management Officer Course Finance or the Financial Management Officer Course-Comptrollership.

(2) After completion of at least one tour in financial management, attendance at the Marine Corps Practical Comptrollership Course, Monterey, CA is desirable.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.75, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Comptroller 186.117-014.

(2) Budget Officer 161.117-010.

(3) Treasurer, Financial Institution 186.117-070.

(4) Accountant 160.167-010.

(5) Director, Records Management 161.117-014.

3. MOS 3408, Financial Management Resource Officer (III)

a. Summary. Financial management resource officers formulate and supervise the execution of policies and procedures pertaining to the accounting for appropriated funds in the operating forces and shore establishment. Specific duties may include supervision of the managerial accounting section; advise the Commander and Comptroller on the technical aspects of accounting policy and procedures; train fund administrators; track Defense Finance and Accounting Service (DFAS) system changes; track system interfaces established by DFAS; validate official accounting reports produced by DFAS; served as the financial expert at the Sassy Management Unit (SMU); supervise the correction of accounting errors; supervise implementation of new accounting policies; identify and report system problems; ensure validity of accounting records; and serve as the liaison officer to DFAS. Inherent in almost all accounting duties performed is a requirement to understand computer systems and their applications.

b. Requirements/Prerequisites

(1) Must have previously served in MOS 3451.

(2) After completion of one tour as a warrant officer in a comptroller office, SMU or Defense Finance and Accounting Service (DFAS), attendance at the Marine Corps Practical Comptrollership Course, Monterey, CA, is desirable.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.75, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Accountant 160.167-010.

(2) Director, Records Management 161.117.014.

(3) Management Analyst 161.167-010.

4. MOS 3410, NAF Auditing Officer (II/III)

a. Summary. Auditing officers are professionals well versed in accounting theory and principles, as well as auditing standards. They are able to objectively develop and direct a broad, comprehensive internal auditing program within the Marine Corps. These duties may include: administering the internal auditing activity of an assigned region; the development of annual and triennial audit plans, budget, and programs; supervision of staff auditors at the region and on site at various worldwide commands; as well as the preparation and submission of reports of audit.

b. Requirements/Prerequisites

(1) This MOS is restricted to limited duty officers and warrant officers who possess a bachelors degree in accounting or bachelors degree in a related field supplemented with a minimum of 24 semester hours of accounting. In addition to the formal training requirements, these officers must possess 2 years of audit experience.

(2) Any Marine applying for the 3410 MOS through either the Limited Duty Officer Program or Warrant Officer Program, who is not currently serving in a 3410 or 3441 MOS or assigned to a 9917 billet in a Regional Audit Office, must be interviewed by the applicable Regional Director. Applicants must possess 2 years of audit proficiency gained through prior work experience. The Regional Director's recommendations will be attached to the Marine’s application.

(3) Must have a working knowledge of generally accepted Government auditing standards as well as generally accepted accounting principles.

(4) Must qualify under the Office of Personnel Management GS-511 Education Standards.

(5) Must have a general aptitude for computers.

(6) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.75, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Auditor 160.167-034.12.

(2) Internal Auditor 160.167-034.12.

5. MOS 3450, Planning, Programming, and Budgeting System (PPBS) Officer*

a. Summary. Assignment of the MOS identifies officers with experience in a PPBS related billet supporting development and review of the Marine Corps Program Objective Memorandum (POM). Officers with PPBS experience are an integral part of the PPBS process. Assignment of MOS 3450 allows these officers to be identified as officers who can be subsequently reassigned to PPBS related billets. This MOS will be assigned as a skill designator MOS only to commissioned officers of any primary MOS.

b. Requirements/Prerequisites

(1) Must have a secret security clearance.

(2) One year of PPBS experience with any department or division at Headquarters, U.S. Marine Corps; the Marine Corps Combat Development Command; the Marine Corps Systems Command; the Joint Staff; the Office of the Secretary of Defense; the Department of the Navy Secretariat; or other Service staff, in a PPBS related billet which supports development and review of the POM.

(3) Recommended by the Deputy Commandant, Programs and Resources or his designated representative.

c. Duties. The PPBS officer may be assigned a subsequent tour with any department or division at Headquarters U.S. Marine Corps; the Marine Corps Combat Development Command; the Marine Corps Systems Command; the Joint Staff; the Office of the Secretary of Defense; the Department of the Navy Secretariat; or other Service staff. This Officer may be assigned as a branch or division head, project manager, staff officer, or a project officer assigned responsibility for management of a specific aspect of the POM. The responsibilities may include all or a part of the following tasks: budget plans and coordination (all appropriations); budget operations (program development and formulation); budget execution; budget analysis; budget reports coordination; financial systems liaison; Joint Requirements Oversight Council, and Joint Mission Area and Supporting Area assessments and coordination; Investment Balance Review coordination and analysis; blue dollar in support of green dollar analysis; program development and coordination; program review; program review coordination and analysis; and program decision support.

d. Related DOT Classification/DOT Code

(1) Budget Analyst 161.267-030.

(2) Program Analyst 160.162.022.

1124. **OCCUPATIONAL FIELD 35, MOTOR TRANSPORT**

1. MOS 3502, Motor Transport Officer (I)#

a. Summary. Motor transport officers command or assist in commanding a motor transport unit. They perform the general duties of a special staff officer with respect to motor transport matters and advise the commander on deployment and employment of motor transport assets. They maintain motor transport equipment by establishing preventive maintenance, corrective maintenance, quality control, and effective training programs to ensure efficient performance of vehicles under all operational conditions. Additionally, they recommend requirement for acquisitions, distribution and storage of motor transport assets.

b. Requirements/Prerequisites

(1) Complete the Motor Transport Maintenance Officers Course at MCB Camp Lejeune, NC.

(2) Complete a minimum of 6 months in a motor transport billet.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code. Director, Transportation 184.117-014.

#This MOS is no longer being assigned.

2. MOS 3510, Motor Transport Maintenance Officer (III)

a. Summary. The motor transport maintenance officer performs the duties of a special staff officer with respect to motor transport operations and maintenance. They are responsible for training of maintenance personnel, equipment readiness, maintenance shop organization, control of maintenance assets, and providing advice on all matters relating to motor transport operation and maintenance. All MOS 3510 Warrant Officers must attend the Basic Officer's Course (TBS) within two years of being appointed to warrant officer.

b. Requirements/Prerequisites

(1) Complete the Motor Transport Officers Course at MCB Camp Lejeune, NC.

(2) Warrant officers assigned this MOS must have previously served in one of the following motor transport related MOSs: 3521, 3529, 3531, 3533, or 3537.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Supervisor, Garage 620.131-014.

(2) Transportation-Maintenance Supervisor 184.167-266.

1125. **OCCUPATIONAL FIELD 40, DATA SYSTEMS**

1. MOS 4010, Data Systems Management Officer (II/III)

a. Summary. Data systems management officers supervise and manage planning and operation of data communication systems. They plan and supervise installation and management of data communications systems to satisfy mission requirements, and provide technical direction, in conjunction with the overall communications control effort, relating to the installation and performance of the data communications systems within the MAGTF and Joint networks. Additionally, they develop documentation required to ensure effective employment of data communications systems in current and future operations. This MOS is no longer being awarded and is retained as a skill designator by those previously holding the MOS. Warrant officers and chief warrant officers with MOS 4010 were reclassified as MOS 0650, Data Systems Management Officer. The MOS number for MOS 4010 is now MOS 0650. This MOS will remain in the MOS Manual until 2005.

b. Requirements/Prerequisites

(1) Complete the Data Systems Management Warrant Officer Course at Quantico, VA.

(2) Warrant officers assigned this MOS must have previously served in one of the following data communication related MOSs: 4067, 0651, 0656, 0659, or 0689.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.37, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Systems Analyst 030.167-104.

(2) Data Communications Technician Supervisor 031.132-010.

(3) Data Communications Analyst 031.262-010.

(4) User Support Analyst Supervisor 032-132-010.

1126. **OCCUPATIONAL FIELD 41, MARINE CORPS EXCHANGE**

1. MOS 4130, Marine Corps Exchange Officer (III)

a. Summary. Marine Corps Exchange officers function as general managers of exchanges following the exchange regulations and other directives promulgated by the CMC (M) and the local commander. They serve as special staff officers to local commanders for Marine Corps Exchange matters.

b. Requirements/Prerequisites

(1) Complete an Exchange Management Course prescribed by HQMC or complete six months of MOJT.

(2) Evidence of prior achievements as indicated in the following order of desirability:

(a) A degree from an accredited institution in a retailing related discipline such as financial management, or business management.

(b) Qualified in the exchange field as evidenced by having been assigned and successfully serving in MOS 4133 for a minimum of 24 months.

(c) Strong background in civilian retail management without a degree, but with evidence of having completed three or more courses contained in disciplines cited paragraph 1124.lb(2)(a) above.

(3) The following courses of instruction are desirable as skill enhancement courses for MOS 4130 Marines (CWO to CWO5). The courses are located in the MCCS Training Catalog that is updated annually.

(a) World Class Customer Service Course (GEN10003), two days local training.

(b) Applied Financial Planning Course (LM20001), 4.5 days, refer to MCCS Training Catalog for locations.

(c) Employment Law for Managers (LM10032), self-paced via internet.

(d) HR Workers' Compensation Return-to-Work (RTW) Training (T/HR10078), 4 hours, local training.

(e) Leadership Skills for Managers (LSFM) Course (LM10021), 5-day Course, held at various installations.

(f) MCCS Managers' Course (LM20043), 5-day course, held at various installations.

(g) Softlines Course (T/RTL10059), 2-day course, local training.

(h) Hardlines Merchandising Course (TBD).

(i) Mid-Management University of Arkansas Course (LM20044), 5-day course, held at various installations.

(j) Executive Skills Development Course (LM3003), 5-day course, held at various installations.

(k) Non-appropriated Fund Contacting Course-Basic (T/CON10000), self-paced correspondence course.

(l) Non-appropriated Fund Contracting Course-Advanced (TCON20001), 14-day course, Falls Church, VA.

(m) Business Programs Managers' Course, 10-day course, Falls Church VA.

(n) Marketing Managers' Course (T/MKT20002), 10-day course, Texas A&M.

(o) Strategic Business Planning I (LM20065), 5-day course, held at various installations.

(p) Executive Change Management (LM30012), 2-day course, held at various installations.

(q) MCCS Senior Leaders' Course (LM30000), 10-day course, Falls Church, VA.

(r) Strategic Business Planning II (LM20077), 5-day course, held at various installations.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.56, - Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Manager, Retail Store 185.167-046.

(2) Commissary Manager 185.167-010.

1127. **OCCUPATIONAL FIELD 43, PUBLIC AFFAIRS**

1. MOS 4302, Public Affairs Officer (I/III)#

a. Summary. Public affairs officers manage the activities of a public affairs office and are advisors to the commander and staff on public affairs matters, to include public information, community relations and internal information. Public affairs officers may, on occasion, perform duties in international and/or joint public affairs.

b. Requirements/Prerequisites

(1) Certifying authority for 4302 primary MOS is the CMC (PA).

(2) Certifying authority for 4302 additional MOS - next senior 4302, Public Affairs Officer in the organization.

(3) Officers of other primary MOSs, who are filling a 4302 billet, meet the performance standards in MCO 1510.62, and who have demonstrated a satisfactory level of public affairs experience, may apply for MOS 4302 as an additional MOS only.

(4) Schools available:

(a) Public Affairs Officer Qualification Course (PAOQC) at Defense Information School (DINFOS), Ft Meade, MD - Entry Level MOS course.

(b) Public Affairs Officer Qualification Course-DL-Phase 2 at DINFOS, Ft Meade, MD.

(c) U.S. Army Correspondence Course - Reserve Component PAO qualification Course (Course number 214 Q11).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.62, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Public Relations Representative 165.067-010.

(2) Editor, Publications 132.037-022.

Reserve WOs may still be appointed to this MOS; Active Component WOs may retain until attrition or lateral move.

2. MOS 4330, Historical Officer*

a. Summary. Historical officers manage the activities of a historical unit and provide close assistance to individuals in these duty areas on a daily basis. When combat operations commence, historians will be assigned as historical officers on the staffs of the commanding generals of Marine Forces, Marine Expeditionary Forces, Marine divisions, Marine aircraft wings, and MAGTFs which are engaged. This MOS will be assigned by the CMC (MM) as a skill designator MOS only.

b. Requirements/Prerequisites. Must be qualified in MOS 9678.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.62, Individual Training Standards.

d. Related DOT Classification/DOT Code. Historian 052.067-022.

1128. **OCCUPATIONAL FIELD 44, LEGAL SERVICES**

1. MOS 4402, Judge Advocate (I)

a. Summary. Judge advocates perform legal service support for Marine, Navy, and Joint commands and organizations. As company grade officers, judge advocates may serve as litigators, investigators, reviewing officers, advisors, and advocates. Litigation opportunities exist as trial and defense counsel in courts-martial, recorders and respondent's counsel in administrative discharge boards and special assistants to the local United States Attorney. Judge advocates may investigate claims for and against the United States, criminal charges, and other matters required by regulations. They may advise a wide range of personnel, from general officer to civilian employees, on matters including military justice, administrative law, standards of conduct, ethics, operational law, and international law. Some company grade judge advocates will deploy as staff judge advocates for Marine Expeditionary Units, Special Purpose Marine Air/Ground Task Forces, and Joint Task Forces. Legal assistance attorneys represent and advise retired service members as well as active duty personnel and their family members on a variety of personal legal matters. These matters typically include wills and estates, commercial contracts, landlord/tenant problems, and family law questions. As majors, judge advocates often supervise company grade judge advocates at law centers and legal service support sections or perform duties as labor, procurement, or environmental law specialists at East and West Coast and Pacific area counsel offices. Other majors, and some lieutenant colonels, serve as military judges and as principal assistants to staff judge advocates assigned to advise officers exercising general court-martial convening authority. Lieutenant colonels may also serve as staff judge advocates or officers-in-charge of law centers or legal service support sections. Professional military education and continuing legal education opportunities exist for all judge advocates.

b. Requirements/Prerequisites

(1) This MOS will be assigned as a primary MOS to an officer on active duty who has:

(a) Obtained a juris doctor or bachelor of laws degree from an American Bar Association accredited law school; completed the Accession Lawyer Course at the Naval Justice School, Newport, RI; and is a member in good standing of a federal bar, or of the highest court of a state or the District of Columbia.

(b) Been certified by the Judge Advocate General of the Navy in accordance with Article 27(b) of the Uniform Code of Military Justice to serve as a trial or defense counsel in courts-martial.

(2) This MOS may be assigned to officers in the ready reserve who are certified as judge advocates by the Judge Advocate General of the Navy. Officers in the ready reserve interested in requesting the 4402 MOS, as a primary or secondary MOS, should contact CMC (Code JAS) for additional information regarding certification criteria.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.51, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Lawyer 110.107-010.

(2) Judge 111.107-010.

2. MOS 4430, Legal Administrative Officer (III)

a. Summary. Legal administrative officers are responsible for the administrative management functions of law centers and legal service support sections. They may monitor command inspection programs, administrative claims and investigations, administrative discharges, and budgets. Legal administrative officers perform other tasks and duties assigned by the staff judge advocate or officer-in-charge of the law center and legal service support section.

b. Requirements/Prerequisites

(1) Completed the Naval Justice School "Military Justice Legal Officer (non-lawyer) Course" (prior to 1998) or the Judge Advocate General's School of the Army Warrant Officer Basic Course (beginning in 1998).

(2) Must have previously held MOS 4421 or MOS 4429 as a primary.

(3) This MOS may also be assigned as an additional MOS to officers who meet subparagraph 2b(1) and (2) above, and who have performed the duties of a legal administrative officer at a law center, legal service support section, or staff judge advocate office.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.51, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Administrative Officer 169.167-010.

(2) Personnel Manager 166.117-018.

1129. **OCCUPATIONAL FIELD 46, VISUAL INFORMATION**

1. MOS 4602, Combat Visual Information Officer (II/III)

a. Summary. Combat visual information officers manage, administer, and coordinate the Visual Information Program, internal operations, training devices, and employment of VI assets (including combat camera and printing). They provide advice and technical expertise to customers and commanders on all matters relating to visual information including: illustration, printing (lithography), photography, and videography. Combat visual information officers function as special staff officers with regard to the acquisition and utilization of imagery, development of contingency plans, and authorship of visual information annexes to operation orders.

b. Requirements/Prerequisites

(1) Must possess an audiovisual background.

(2) Must have normal color vision.

(3) This MOS may only be assigned to warrant officers who were previously qualified in enlisted MOS 46XX.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.54, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Audiovisual Production Specialist 149.061-010.

(2) Producer 159.117-010.

1130. **OCCUPATIONAL FIELD 55, MUSIC**

1. MOS 5502, Band Officer (III)

a. Summary. Band officers manage, administer, and coordinate musical performances, internal operations, training, and employment of a Marine Corps Band. In a combat environment when musical performance becomes impractical, they lead Marine Corps Bands in augmenting headquarters defense. Band officers function as special staff officers of the commanding general by providing information and recommendations on the use, current capabilities, standing procedures and policies governing the operation of a Marine Corps Band. They develop unit budgets, sustainment training, and the annual operation plans for Marine Corps Bands. Band officers conduct regular coordination and direct liaison with their command, HQMC public affairs offices and agencies, and the recruiting service to provide musical support for community relations and personnel procurement programs.

b. Requirements/Prerequisites

(1) Must be a graduate of the Senior Musician's Course at the Armed Forces School of Music.

(2) Must have the recommendation of a band officer or senior enlisted Marine filling the billet of the band officer stating that the individual meets the minimum technical requirements for band officer.

(3) This MOS may only be assigned to warrant officers who were previously qualified in enlisted MOS 55XX.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.79_, Individual Training Standards.

d. Related DOT Classification/DOT Code. Conductor, Orchestra 152.047-014.

1131. **OCCUPATIONAL FIELD 57, NUCLEAR, BIOLOGICAL, AND CHEMICAL DEFENSE**

1. MOS 5702, Nuclear, Biological, and Chemical (NBC) Defense Officer (III)

a. Summary. NBC defense officers (NBCDOs) function as supervisors, coordinators, and technical advisors, and special staff officers to the commanding officer for operational and technical functions associated with NBC defense (NBCD) related issues within the command. NBCDOs provide technical expertise pertaining to the management, procurement, and distribution of NBCD equipment. They plan, coordinate, and supervise NBCD related training, and prepare plans, annexes, orders, and standard operating procedures relative to NBCD. NBCDOs advise commanders on the vulnerability of their own forces, and work with intelligence communities in collecting, evaluating, and dissemination of information concerning enemy NBC capabilities.

b. Requirements/Prerequisites

(1) Complete the Basic NBC Defense Officer's Course, at U.S. Marine Corps NBC Defense School, Fort Leonard Wood, MO.

(2) Must have normal color vision.

(3) Must not have any respiratory problems that would prohibit accomplishing their assigned tasks while masked.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.71, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

1132. **OCCUPATIONAL FIELD 58, MILITARY POLICE AND CORRECTIONS**

1. MOS 5803, Military Police Officer (I)

a. Summary. Military police officers function as supervisors, coordinators, and administrators of law enforcement matters.

b. Requirements/Prerequisites

(1) This MOS will be assigned to officers who have a background and/or education in law enforcement.

(2) Complete the Military Police Officers Basic (MPOB) Course at the United States Army Military Police School (USAMPS), or six months On-the-Job Training (OJT) accompanied by a favorable recommendation from the commanding officer. Upon successful completion of 6 months of observed fitness report time in a Reserve Military Police (MP) billet, a favorable endorsement from a military police unit inspector/instructor, drilling Reserve unrestricted officers, may request 5803 designation via an Administrative Action form to CMC (POS).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86B, Individual Training Standards for the Military Police and Corrections Occupational Field 58.

d. Related DOT Classification/DOT Code

(1) Police Chief 375.117-010.

(2) Deputy Sheriff, Chief 377.167-010.

2. MOS 5804, Corrections Officer (III)

a. Summary. Corrections officers interpret, apply and review policies, regulations and directives; oversee the humane care, custody, discipline, safety, welfare, and correctional treatment of confined and restrained personnel; review and recommend treatment programs, custody classification and other security, control and disposition matters related to the confinement or restraint of personnel. They review and make recommendations on clemency, parole and/or restoration to duty requests and other day-to-day requests from confined and restrained personnel. They investigate disturbances and recommend actions regarding discipline and adjustment; research and prepare correspondence and reports. They direct the operational, administrative and logistical activities of a brig or correctional custody unit regarding personnel administration, supply, training activities, messing, pay and funds accounts, and discipline. Corrections officers also direct counseling and rehabilitation programs.

b. Requirements/Prerequisites

(1) Complete the Basic or Advanced Corrections Course at U.S. Air Force Military Training Center, Lockland AFB, TX.

(2) Must be a warrant officer and have previously held MOS 5831 or MOS 5832.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86, Individual Training Standards.

d. Related DOT Classification/DOT Code. Director, Institution 186.117-018.

3. MOS 5805, Criminal Investigation Officer (III)

a. Summary. Criminal investigation officers function as the officer in charge, Criminal Investigation Division (CID) or Special Agent, Naval Criminal Investigative Service (NCIS) operationally assigned to investigative duties with the Provost Marshal's Officer (PMO) or the NCIS. In addition to conducting criminal investigations, criminal investigation officers manage criminal investigative activities in both a garrison and a deployed environment during combat contingency operations, and provide technical guidance to enlist criminal investigators (MOS 5821) and Military Police Investigators (MOS 5819).

b. Requirements/Prerequisites. This MOS may be assigned to officers who were previously designated and remain currently qualified for MOS 5821.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86, Individual Training Standards for the Military Police and Corrections Occupational Field 58.

d. Related DOT Classification/DOT Code. Detective Chief 375.167-022.

1133. **OCCUPATIONAL FIELD 59, ELECTRONICS MAINTENANCE**

1. MOS 5902, Electronics Maintenance Officer (Aviation) (II)

a. Summary. The electronics maintenance officer supervises and coordinates the installation, operation, and maintenance of all ground electronic systems and equipment used by the Marine Air Command and Control Systems (MACCS) units. The Joint Tactical Information Distribution System (JTIDS) Course, Joint Aerospace Systems Administrator Course (JASAC), and Network Design and System Management Course are available for skill enhancement training.

b. Requirements/Prerequisites

(1) This MOS may only be assigned to officers previously qualified in one of the following MOSs:

(a) 5910 - Aviation Radar Maintenance Officer.

(b) 5950 - Air Traffic Control System Maintenance Officer.

(c) 5970 - Data Systems Maintenance Officer.

c. Duties

(1) Supervises and coordinates the activities of sections engaged in the installation, operation, and maintenance of ground electronic systems and equipment used in the Marine Air Command and Control System and Marine Corps Air Stations.

(2) Manages the status of equipment, progress of work, parts availability, training, qualifications of maintenance personnel, and advises the commanding officer on all technical matters pertaining to ground electronic systems and equipment.

(3) Provides information concerning the capabilities, limitations, and reliability of ground electronic systems and equipment.

(4) Reviews estimates and justifications for funds required for the maintenance of ground electronic systems and equipment.

(5) Collects and analyzes maintenance data to permit system/equipment performance evaluation and qualification, problem identification, and measure improvement efforts.

d. Related DOT Classification/DOT Code

(1) Supervisor, Electronics Systems Maintenance 828.161-010.

(2) Communications Electrician Supervisor 823.131-010.

2. MOS 5910, Aviation Radar Maintenance Officer (III)

a. Summary. Radar maintenance officers supervise and coordinate radar maintenance personnel in the tasks of radar site selection, installation, maintenance, and repair of aviation radar systems. Operating forces billet assignments for this officer will be in a Marine Air Control Group. Nonoperating forces billet assignments for the radar maintenance officer include training billets at the Communications-Electronics School, maintenance officer billets at the Marine

Corps Logistics Base and acquisition project officer at Marine Corps Systems Command/Material Command. These billets require the radar maintenance officer to have good verbal and written communication skills. The radar maintenance officer should complete the Electronics Maintenance Supervisor Course after selection to warrant officer. Upon promotion to warrant officer, PMOS 5910 is assigned. PMOS is not dependent upon the completion of this course.

b. Requirements/Prerequisites

(1) This MOS may only be assigned to warrant officers who were previously qualified in enlisted MOS 5939 or MOS 5948.

(2) Must have a secret security clearance.

(3) This is a highly technical MOS and requires the radar maintenance officer to have a thorough knowledge of electronics theory and radar propagation principles.

c. Duties.

(1) Responsible for all radar systems, support equipment, and electronics maintenance personnel assigned to the radar section.

(2) Ensures that assigned maintenance personnel are adequately trained and that all radar equipment is maintained in an operational condition capable of supporting the command's mission.

(3) Informs the commanding officer or communications-electronics officer on the progress of work and status of the radar equipment.

(4) Supervises the more difficult repairs or modifications to the equipment.

(5) Maintains a thorough familiarity with both surveillance and fire control radar systems and their associated MARK XII IFF subsystems.

(6) Assigned responsibility for one or more of the TAOC radar systems and associated equipment.

d. Related DOT Classification/DOT Code. Supervisor, Electronics Systems Maintenance 828.161-010.

3. MOS 5950, Air Traffic Control Systems Maintenance Officer (III)

a. Summary. The air traffic control (ATC) systems maintenance officer functions as a supervisor, coordinator and administrator of the installation, siting, operation, maintenance, and repair of ATC systems and equipment. The ATC systems maintenance officer should complete the Marine Air Traffic Control Approach and Landing (MATCALS) Maintenance Course, and the Systems Analysis Course after selection to warrant officer. Upon promotion to warrant officer, PMOS 5950 is assigned. PMOS is not dependent upon the completion of this course.

b. Requirements/Prerequisites

(1) This MOS may only be assigned to warrant officers who previously were qualified in one of the 595X enlisted MOSs.

(2) Complete the Marine Air Traffic Control Advanced Technician Course.

(3) Must have a secret security clearance.

c. Duties

(1) Supervises operation and maintenance of ATC systems and equipment used in Marine ATC detachments or Marine ATC facilities.

(2) Manages the status of equipment, progress of work, repair parts requirements, training and qualification of maintenance personnel, and advises on all technical matters pertaining to the ATC systems and equipment.

(3) Provides information concerning capabilities, limitations, and reliability of ATC systems and equipment.

(4) Collects and disseminates technical instructions and directives applicable to the maintenance and operation of systems and equipment.

(5) Prepares timely estimates and justification for funds required for the maintenance of installed systems and equipment.

(6) Maintains authorized allowances of tools and test and support equipment.

(7) Administers the preventive and corrective maintenance program.

(8) Conducts maintenance management of assigned equipment.

(9) Collects and analyzes maintenance data for reports.

d. Related DOT Classification/DOT Code. Supervisor Electronics Systems Maintenance 828.161-010.

4. MOS 5970, Data Systems Maintenance Officer (III)

a. Summary. Data systems maintenance officers supervise and coordinate the siting, installation, operation, maintenance, and repair of automated data systems within the Marine Air Command and Control System (MACCS). The data systems maintenance officer should complete the Electronics Maintenance Supervisor Course after selection to warrant officer. Upon promotion to warrant officer, PMOS 5970 is assigned. PMOS is not dependent upon the completion of this course. The JTIDS, JASAC, and ND&SM courses are available for skill enhancement training.

b. Requirements/Prerequisites

(1) This MOS may only be assigned to warrant officers who were previously qualified in enlisted MOS 5939 or one of the 597XMOSs.

(2) Must have a secret security clearance.

c. Duties

(1) Supervises and coordinates the activities of electronic maintenance personnel engaged in the siting, installation, operations, maintenance, and repair of automated data systems.

(2) Informs the communications-electronics officer as to the status of equipment, progress of work, and advises on matters pertaining to this equipment.

(3) Supervises the keeping of maintenance records and collects data for reports.

(4) Supervises the reporting of failures and the requisitioning, receipt, and allocation of tools, parts, and materials.

(5) Instructs personnel in the mission, function, automated use, and procedures for operating automated data systems.

d. Related DOT Classification/DOT Code. Supervisor, Electronics Systems Maintenance 828.161-010.

1134. **OCCUPATIONAL FIELD 60, AIRCRAFT MAINTENANCE**

1. MOS 6002, Aircraft Maintenance Officer (I)

a. Summary. Aircraft maintenance officers (AMOs) supervise and coordinate aircraft maintenance and repair activities. To be effective, 6002 AMOs must possess a detailed, working knowledge of all Navy-sponsored aviation maintenance programs and processes governed by OPNAVINST 4790.2 (series). MOS 6002 AMOs are different from MOS 6004, aircraft maintenance engineer officers in that they are unrestricted officers whose career paths can lead to the command of a Marine Aviation Logistics Squadron (MALS) or to designation as an Acquisition Professional.

b. Requirements/Prerequisites

(1) Officers completing the AMO long course at NAS Pensacola, FL will be awarded MOS 6002.

(2) Officers who complete the AMO short course at NAS Pensacola, FL, perform at least six months of on the job training in an aircraft maintenance billet, and are recommended by their command may be awarded as additional MOS of 6002.

c. Duties

(1) Organizes and supervises the maintenance and repair of aircraft, aircraft components, and aviation support equipment.

(2) Supervises the scheduling of aircraft for inspection.

(3) Informs commanding officers of work progress and advises them on matters pertaining to aircraft maintenance.

(4) Ensures the material condition and mission capability of the weapon systems and the collection and dissemination of maintenance management information.

(5) Directs technical training and establishes safety programs for maintenance personnel.

(6) Establishes maintenance procedures and assigns personnel to key billets.

(7) Directs and monitors requisitioning, receipt, and allocations of materials and tools.

d. Related DOT Classification/DOT Code. Superintendent, Maintenance 184.167-174.

2. MOS 6004, Aircraft Maintenance Engineer Officer (II/III)

a. Summary. Aircraft maintenance engineer officers (AMEOs) are responsible for technical aircraft maintenance and aeronautical repair matters. To be effective, AMEOs must possess a detailed, working knowledge of all Navy sponsored aviation maintenance programs and processes governed OPNAVINST 4790.2 (series). A high level of technical expertise is required to manage the execution of tasks within aviation maintenance. As such, a small population of AMEO's is placed throughout Marine Corps aviation, complementing the less technical talents of the MOS 6002 population. Unlike the 6002, whose career path and school may lead to command or designation as an Acquisition Professional, the 6004 will remain focused on the technical, procedural, planning and managerial details associated with organizational and

intermediate level maintenance in support of shore based, sea based, or expeditionary operations. Warrant officers and junior chief warrant officers generally serve in flying squadrons while more senior chief warrant officers generally serve as division officers within the intermediate level of maintenance (MALS). Applicants with both organizational and intermediate level maintenance experience reconsidered ideal candidates for appointment to MOS 6004 limited duty officer (LDO).

b. Requirements/Prerequisites

(1) Warrant officers (III)

(a) Enlisted Marines applying for selection as 6004 warrant officers must have feeder MOSs of 60XX, 61XX, 62XX, 63XX, 64XX, or 65XX and have demonstrated aviation maintenance technical qualifications through the superior performance of duties within their MOS. MOS credibility is paramount to any other quality. Successful tours within maintenance or production control and the quality assurance division at the organizational or intermediate levels of maintenance are good indicators for success as 6004 warrant officers.

(b) Newly Promoted 6004 warrant officers must complete the first available AMO short course at NAS Pensacola, FL, upon graduation from the Warrant Officer Basic Course.

(2) Limited Duty Officers (II)

(a) Only 6004 and 6302 warrant officers may apply for appointment as 6004 LDOs.

(b) Applicants for MOS 6004 LDO must have demonstrated aviation maintenance technical qualifications through the superior performance of duties as 6004 warrant officers. A successful tour within maintenance control in a flying squadron is a good indicator for future success as a 6004 LDO.

c. Duties

(1) Organizes and supervises all technical aspects of the maintenance and repair of aircraft, aeronautical components, and aviation equipment.

(2) Ensures compliance with applicable technical publications through the use of maintenance instruction manuals for the appropriate type/model/series aircraft, associated systems, aviation support equipment, and aeronautical components.

(3) Interfaces with higher level commands, activities, and depots on all maintenance-related issues.

(4) Ensures all maintenance personnel are trained and capable of safely repairing aircraft, aeronautical components, and aviation support equipment within the scope of their MOS.

(5) Ensures all aircraft and equipment maintenance data is collected and properly disseminated.

(6) Ensures the effective utilization of manpower by working with their respective MAG/squadron S-1 concerning the assignment of maintenance personnel, at both the organizational and intermediate levels, to the correct billets and line numbers.

(7) Works closely with the aviation supply officer to ensure the required materials and tools are available for use.

d. Related DOT Classification/DOT Code. Superintendent, Maintenance 184.167-174.

1135. **OCCUPATIONAL FIELD 63, AVIONICS**

1. MOS 6302, Avionics Officer (II/III)

a. Summary. Avionics officers organize and direct the avionics effort for organizations.

b. Requirements/Prerequisites

(1) Complete the Aircraft Maintenance Officer Short Course at NAS Pensacola, FL.

(2) Must have a secret security clearance.

(3) This MOS may only be assigned to warrant officers who were previously qualified in one of the following MOSs: 63XX or 64XX.

(4) LDOs must have demonstrated avionics qualifications through performance as 6302 Warrant Officer.

c. Duties

(1) Manages the handling, processing, and repairing of avionics equipment and avionics support equipment.

(2) Ensures effective training and utilization of personnel.

(3) Directs and monitors all avionics transactions with supply and the remainder of aviation maintenance while evaluating the effectiveness of avionics to respond to published flying hour programs.

(4) Directs qualification and certification programs for both personnel and facilities.

(5) Serves as staff advisor to the commanding officer/staff officers in the chain of command on avionics matters.

d. Related DOT Classification/DOT Code. Supervisor, Avionics Shop 823.131-018.

1136. **OCCUPATIONAL FIELD 65, AVIATION ORDNANCE**

1. MOS 6502, Aviation Ordnance Officer (II/III)

a. Summary. The aviation ordnance officer manages all aviation ordnance functions.

b. Requirements/Prerequisites

(1) Warrant officers must have completed the Aviation Ordnance AO "A" enlisted course and have demonstrated aviation ordnance qualification through performance of the duties and tasks listed below.

(2) Warrant officers must complete the Aviation Ordnance Officer Career Progression Training Course at NAS Pensacola, FL.

(3) LDOs must have demonstrated aviation ordnance qualification through performance as a warrant officer.

(4) Must have a secret security clearance.

c. Duties

(1) Directs and supervises all personnel engaged in the storage, handling, transporting, inventory, maintenance, issue, and repair of aviation munitions and aviation armament handling/test equipment.

(2) Manages the assembly, loading/downloading of aircraft, and arming/de-arming of all aviation munitions.

(3) Evaluates the aviation ordnance function for thoroughness and efficiency and promulgates changes when necessary.

(4) Advises the commanding officer on technical matters pertaining to aviation ordnance.

(5) Directs the explosive safety program.

(6) Supervises the requisitioning, receipt, allocation, and usage of aviation munitions.

(7) Manages the training of aviation ordnance personnel. Administers the Explosive Qualification and Certification Program and acts as the Chairman of the Certification Board.

(8) Publishes aviation ordnance standing operating procedures and ensures timely submission of all required ordnance reports.

d. Related DOT Classification/DOT Code. No civilian equivalent.

1137. **OCCUPATIONAL FIELD 66, AVIATION LOGISTICS**

1. MOS 6602, Aviation Supply Officer (I)

a. Summary. Aviation supply officers are unrestricted officers who may command, or assist in commanding a Marine Aviation Logistics Squadron. Aviation supply officers may also achieve designation as an Acquisition Professional. Aviation supply officers are responsible for planning, directing, and controlling the performance and execution of aviation supply functions within Marine Aircraft Wings, Marine Aviation Logistics Squadrons, Marine Corps Air Stations, CVs and LHAs, and various TYCOM and SYSCOM staffs. This requires in-depth familiarity and working knowledge sufficient to supervise and control Navy-developed and sponsored aviation logistics information management systems; repairable material management programs; financial management programs; budgeting and accounting functions; aviation inventory management functions; and warehousing operations. Aviation supply officer must ensure that aviation supply operations sustain the unit's combat readiness and enhance its ability to perform its mission. They must be able to establish division and department goals and to develop and execute plans to achieve those goals. They must monitor supply management indicators to assist in tracking performance over time and ensure progress towards accomplishment of established goals. Aviation supply officers must initiate and maintain liaison with external agencies to provide or obtain support and to report supply management indicators. They must also initiate and maintain liaison with maintenance personnel in the operational squadrons and the Intermediate Maintenance Department so that they have a clear appreciation of the needs of their customers.

b. Requirements/Prerequisites

(1) Complete the Aviation Supply Officers Course at Naval Supply Corps School, Athens, GA.

(2) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.74, Individual Training Standards.

d. Related DOT Classification, DOT Code

(1) Property-Disposal Officer 163.167-026.

(2) Manager, Distribution Warehouse 185.167-018.

2. MOS 6604, Aviation Supply Operations Officer (III)

a. Summary. Aviation supply operations officers are responsible for the performance of aviation supply activities within Marine Aviation Logistics Squadrons, Marine Aircraft Wings, Marine Corps Air Stations, and CVs and LHAs. A high level of expertise is required to supervise the execution of the various tasks encompassed within the wide spectrum of aviation supply support. To be effective, aviation supply operations officers must possess detailed and working knowledge of all Navy-developed and sponsored aviation logistics information management systems; repairable management programs; financial management programs; budgeting and accounting functions; aviation inventory management systems and functions; and warehousing operations. They must be skilled in working with a variety of ashore and afloat automated systems such as Relational Supply (R-Supply), the Naval Aviation Logistics Command Management Information Systems (NALCOMIS), and others and must be able to effectively use information extracted from these systems to aid in

supervision and control. In addition, aviation supply operations officers must have detailed knowledge of all applicable Navy Supply documents, forms, and publications; and must be proficient in working with Navy Supply afloat procedures, to include the support of deployed aviation operations. Aviation supply operations officers must ensure that aviation supply operations support and sustain the unit's combat readiness and enhance the unit's ability to perform its mission. They must establish and maintain liaison with external agencies while providing or obtaining support and reporting supply management indicators.

b. Requirements/Prerequisites

(1) This MOS may be assigned to warrant officers after completion of the Aviation Supply Officer Course at Naval Supply Corps School, Athens, GA.

(2) Must have a secret security clearance.

(3) This MOS may only be assigned to warrant officers who were previously qualified in MOS 6672 or MOS 6673.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.74, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Manager Warehouse 184.167-114.

(2) Superintendent, Maintenance 184.167-174.

(3) Systems Analyst, Electronic Data Processing 012.167-066.

1138. **OCCUPATIONAL FIELD 68, METEOROLOGICAL AND OCEANOGRAPHIC (METOC) SERVICES**

1. MOS 6802, Meteorological and Oceanographic (METOC) Services Officer (II/III)

a. Summary. Meteorological and oceanographic services officers function as advisors to the commander and coordinate all Marine Air/Ground Task Force (MAGTF) meteorological and oceanographic requirements.

b. Requirements/Prerequisites

(1) Warrant officers must possess a bachelor's degree in meteorology, or have completed the Meteorological Oceangraphic Analyst/Forecaster Course at Keesler AFB, MS, and have served in MOS 6842. Reserve warrant officers must have completed the active duty training requirements or have completed Aerographer Mate School (RAMS) at Gulfport, MS. Reserve warrant officers must also have demonstrated weather forecasting qualification through performance.

(2) LDOs must have demonstrated METOC forecasting qualification through performance as a warrant officer.

(3) Chief warrant officers must have successfully completed the Marine Corps Weapons and Tactics Instructor course, conducted by Marine Aviation Weapons Tactics Squadron One, to be eligible for the LDO program. Completion of WTI awards MOS 6877.

(4) Must have a secret security clearance and be eligible for access to sensitive compartmented information based on a special background investigation.

c. Duties

(1) Manages and coordinates the activities of personnel engaged in the collection, evaluation, interpretation, and dissemination of METOC observations and forecasts and the installation, administration, operation, and maintenance of METOC equipment.

(2) Provides METOC forecasts and conducts climatological studies of METOC phenomena directly related to garrison and tactical operations.

(3) Ensures compliance with existing regulations governing the operations of METOC service activities.

(4) Advises the commander of destructive METOC conditions that could adversely affect operations and ensures proper and timely dissemination of information related to destructive METOC phenomena.

(5) Coordinates with other service component METOC officers, CINC's Staff, and number fleet oceanographers in formulating concepts of METOC operations that support Joint Force and MAGTF operations.

(6) Maintains current knowledge of the latest innovations in forecasting techniques/procedures, maintains the units Weapons Tactics and Training Program (WTTP), and leads the training of personnel.

(7) Supervises the requisitioning and accounting of materials and equipment.

(8) Provides staff support in the planning for, and utilization of, mobile meteorological facilities and provides climatological, meteorological, oceanographic, and astronomical data for operations orders and annexes.

d. Related DOT Classification/DOT Code. Meteorologist 025.062-010.

2. MOS 6877, Weapons and Tactics Instructor-METOC*

a. Summary. Weapons and tactics instructors-METOC officers train METOC personnel on the METOC impacts on aviation and ground equipment/weapon systems for operations in a total threat environment in coordination with ground and other aviation units. This MOS is assigned only as a skill designator MOS to qualified weather officers and qualifies chief warrant officers for the LDO program.

b. Requirements/Prerequisites. Complete the Marine Aviation Weapons and Tactics Squadron Weapons and Tactics Instructor Course at MCAS Yuma, AZ.

c. Duties

(1) Conducts operational instruction on METOC impacts on aviation and ground equipment/weapons systems.

(2) Advises on current capabilities and forecast parameters to be used in radar avoidance and the exploitation of electro-optical and visual sensors.

d. Related DOT Classification/DOT Code. No civilian equivalent.

1139. **OCCUPATIONAL FIELD 70, AIRFIELD SERVICES**

1. MOS 7002, Expeditionary Airfield and Emergency Services Officer (III)

a. Summary. The expeditionary airfield and emergency services (EAFES) officers supervise the installation, operation and maintenance of expeditionary airfield equipment and all aircraft recovery systems employed in the U.S. Marine Corps. They direct structural and aircraft firefighting, rescue and salvage operations.

b. Requirements/Prerequisites

(1) This MOS may only be assigned to warrant officers who previously were qualified in one of the following enlisted MOSs: 7011 and 7051.

(2) Complete both the Aircraft Firefighting and Rescue School at Goodfellow Air Force Base, San Angelo, TX and the EAF Equipment Course, at NAS, Pensacola, FL.

c. Duties

(1) Directs the activities of the aircraft firefighting and rescue organization, including related aircraft salvage operations.

(2) Directs the activities of the EAF or aircraft recovery organization, including installation, operation and maintenance of equipment.

(3) Directs the activities of the structural firefighting and rescue organization while deployed.

(4) Directs the placement, inspection, maintenance and servicing of fire extinguishers used in support of the flight line.

(5) Maintains proficiency in the operation and capabilities of EAF and aircraft recovery components, to include arresting gear, AM-2matting and visual landing aids.

(6) Provides information on the operation of EAF equipment to pilots and aircrewmen.

(7) Designs airfield configurations and enhancements, to meet tactical, geographical and environmental conditions for optimum utilization of assets.

(8) Directs the placement of EAF components and performs Expeditionary Certification on installed equipment.

(9) Directs the installation, operation, and maintenance of expeditionary airfield lighting and visual landing aids.

d. Related DOT Classification/DOT Code. Airport Maintenance Chief 899.137-010.

1140. OCCUPATIONAL FIELD 72, AIR CONTROL/AIR SUPPORT/ANTIAIR WARFARE/AIR TRAFFIC CONTROL

1. MOS 7202, Air Command and Control Officer (I)

a. Summary. Air command and control officers plan and coordinate the activities of Marine Air Command and Control Systems (MACCS) agencies. They advise commanders on matters pertaining to integration and joint employment of such units. They command or assist in commanding such units. The Joint Aerospace Command and Control Course (JAC2C), Joint Tactical Information Distribution Systems (JTIDS), Multi-TADIL Joint Interoperability Course (MAJIC), Military Airspace Management, and Network Design, Systems Management (ND&SM) and Air Command and Control Officers (ACCOC) courses are available as skill enhancement training for the air command and control officer.

b. Requirements/Prerequisites. Unrestricted officers holding a primary MOS from OccFld 72 will be assigned MOS 7202 upon promotion to the grade of major.

c. Duties

(1) Commanding Officer, Marine Air Command and Control squadrons/battalions.

(2) Executive Officer, Marine Air Command and Control squadrons/battalions.

(3) Staff Officer at squadron/battalion, group, MAW, MSCs, or force commands.

d. Related DOT Classification/DOT Code. No civilian equivalent.

2. MOS 7204, Low Altitude Air Defense Officer (I)

a. Summary. Low altitude air defense officers command or assist in commanding surface-to-air weapons units. The MAWTS-1 Weapons and Tactics Instructor (WTI) courses are available as skill enhancement training for the air defense officer.

b. Requirements/Prerequisites

(1) Complete the Low Altitude Air Defense (LAAD) Officer Course at Fort Bliss, TX.

(2) Must have a secret security clearance.

(3) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.19_, Aviation Training and Readiness, Volume 5, Marine Air Command and Control System (MACCS).

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 7208, Air Support Control Officer (I)

a. Summary. Air support officers direct and coordinate air support missions and advise commanders on matters pertaining to the employment and control of air support. The JAC2C and the MAWTS-1 Weapons and Tactics Instructor (WTI) courses are available as skill enhancement training for the air support officer.

b. Requirements/Prerequisites

(1) Complete the Air Support Control Officers Course at Marine Corps Communications-Electronics School, Twentynine Palms, CA.

(2) Must have a secret security clearance.

(3) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.19_, Aviation Training and Readiness, Volume 5, Marine Air Command and Control System (MACCS).

d. Related DOT Classification/DOT Code. No civilian equivalent.

4. MOS 7210, Air Defense Control Officer (I)

a. Summary. Air defense control officers direct and coordinate fighter aircraft in the interception of hostile aircraft and coordinate employment of surface-to-air missiles. The JTIDS, MAJIC, ND&SM, JAC2C, and MAWTS-1 Weapons and Tactics Instructor (WTI) courses are available as skill enhancement courses for air defense control officers.

b. Requirements/Prerequisites

(1) Complete the Air Defense Control Officer Course at Marine Corps Communications-Electronics School, Twentynine Palms, CA, or have previously been qualified in MOS 7236, Tactical Air Controller.

(2) Must have a secret security clearance.

(3) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.19_, Aviation Training and Readiness, Volume 5, Marine Air Command and Control System (MACCS).

d. Requirements/Prerequisites. No civilian equivalent.

5. MOS 7220, Air Traffic Control Officer (I)

a. Summary. Air traffic control officers command an Air Traffic Control (ATC)-Detachment. They act as officers-in-charge of Air Traffic Control Facilities at Marine Corps Air Stations. They perform as Control Tower Operators and Radar Air Traffic Controllers. They coordinate and direct activities related to air traffic control and airspace management as staff officers at squadrons, Marine Air Control Groups (MACG)/Marine Aircraft Wings (MAW), and at other senior level units. The MATCALS Advanced Operator, Military Airspace Management, MAJIC, Automated Terminal Instrument Procedures (TERPS), MAWTS-1 Weapons and Tactics Instructor (WTI) and JAC2C courses are available for skill enhancement training for ATC officers.

b. Requirements/Prerequisites

(1) Complete the Air Traffic Controller Course Class A1, Air Traffic Control Officer's Course, Class C2, at NATTC, Millington, TN, or equivalent DoD/DOT school and possess a valid FAA Air Traffic Controller Specialist (ATSC) certificate.

(2) Must meet the physical requirements per the MMD 15-69 (9) and the FAA Aviation Medical Examiner's Guide.

(3) Must complete all training, and certification requirements as defined below and in other Marine Corps and Department of the Navy (NAVAIR) directives.

(4) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.19_, Aviation Training and Readiness, Volume 5, Marine Air Command and Control System (MACCS).

d. Related DOT Classification/DOT Code

(1) Chief Controller 193.167-010.

(2) Manager, Flight Control 184.167-066.

6. MOS 7277, Weapons and Tactics Instructor-Air Control*

a. Summary. Weapons and tactics instructor-air control officers train aviation personnel on aviation sensors, weapons, and command and control systems. This MOS is assigned only as a skill designator MOS to qualified air command and control specialists.

b. Requirements/Prerequisites. Complete the Marine Aviation Weapons and Tactics Squadron Weapons and Tactics Instructor Course at MCAS Yuma, AZ.

c. Duties

(1) Manages a unit's weapons and tactics training program.

(2) Performs classroom and operational instruction on various facets of the equipment/weapons systems.

(3) Analyzes performance and provides corrective guidance.

(4) Instructs on current enemy capabilities and tactics to counter their threat.

d. Related DOT Classification/DOT Code. No civilian equivalent.

1141. **OCCUPATIONAL FIELD 73, NAVIGATION OFFICER AND ENLISTED FLIGHT CREWS**

1. MOS 7315, Mission Commander*

a. Summary. Mission commanders supervise and coordinate the proper execution of UAV missions. Mission Commanders are normally experienced in the mission planning station (MPS) and ground control station (GCS) Air Vehicle Operators' and payload operators' techniques and procedures. This MOS is to be assigned as a skill designator MOS to qualified Naval Aviators/Naval Flight Officers/Air Command and Control Officers/Low Altitude Air Defense Officers who have successfully completed formal UAV Mission Commander Training.

b. Requirements/Prerequisites

(1) Air vehicle mission planning and execution skills.

(2) Familiarity with the various fire adjustment techniques to accurately spot for different fire delivery platforms.

(3) Communications skills and knowledge including fire support procedures, report procedures, and formats for intelligence, logistics and administrative reports, and airspace coordination with DASC/TAOC/TACC/FSS, etc.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.82A, Individual Training Standards.

d. Related DOT Classification/DOT Code. No Civilian equivalent.

2. MOS 7380, Tactical Systems Officer/Mission Specialist (III)

a. Summary. Tactical systems officers/mission specialists plan and conduct tactical in-flight refueling and assault support missions, assist in the development of aviation weapons and tactics for the KC-130 aircraft, assist in the development and evaluation of KC-130 tactical systems, assist and/or serve as strategic movement control officer, and supervise and instruct the training of tactical systems operators.

b. Requirements/Prerequisites

(1) Meet the requirements and prerequisites of MOS 7372.

(2) Attend Central Airspace Reservation Function Course (Federal Aviation Administration).

(3) Attend Advanced Airlift Tactics Training Course.

c. Duties

(1) Conduct mission planning:

(2) Plans/Coordinate tactical missions based on political considerations; command, control and communication; aviation assault support; reconnaissance; avoidance of enemy detection and antiaircraft threat; and geographic considerations.

(3) Draft no-notice contingency plans and serve as assistant Movement Control Officer at G-3 staff level.

(4) Plan inter/intra-theater missions for aircraft movement worldwide to Areas of Responsibility (AOR) in compliance with guidance provided by International Civil Aeronautical Organization (ICAO), DoD Flight Planning (FLIP), Federal Aviation Administration (FAA), Foreign Clearance Guide (FCG), and Naval Aviation Technical Operating Procedures NATOPS).

(5) Development of Aviation Weapons and Tactics training and doctrine for KC-130 aircraft navigator in the Tactical Manual and the Training and Readiness Manual for the KC-130.

(6) Assist in the development and evaluation of electronic warfare, electronic navigation and night vision systems for the KC-130 aircraft.

(7) Train, supervise and instruct enlisted navigators/systems operators while serving as:

(a) Director, Marine Aerial Navigation School;

(b) Senior Instructor, Fleet Replacement Squadron;

(c) Weapons and Tactics Instructor, Marine Aviation Weapons and Tactics Squadron-1;

(d) Weapons and Tactics Instructor in VMGR squadrons.

(8) Navigate KC-130 aircraft over the surface of the earth by geographical or celestial references to:

(a) Rendezvous with fixed wing and rotary wing receiver aircraft for in-flight refueling, high and low altitude.

(b) Assist the pilots in navigating to drop zones and call the slowdown, climb, and release point for aerial delivery of equipment and/or personnel from high or low altitudes; adjusting speed and course for Time on Target (TOT).

(c) Direct the aircraft to Tactical Landing Zones (TLZ) by radar, visual, and electronic means.

d. Related DOT Classification/DOT Code. Navigator 196.167-014.

1142. **OCCUPATIONAL FIELD 75, PILOTS/NAVAL FLIGHT OFFICERS**

1. MOS 7500 through 7509, Pilot VMA (I)#

a. Summary. Pilots VMA operate attack aircraft to provide air support.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) #MOS 7500 - Pilot VMA FRS Basic A-4M.
#MOS 7501 - Pilot VMA A-4 Qualified.
MOS 7507 - FRS Basic AV-8B Pilot.
MOS 7508 - AV-8A/C Qualified.
MOS 7509 - AV-8B Qualified.

c. Duties

(1) Provides air support by dive bombing, rocket, and strafing attacks.

(2) Performs aerial reconnaissance, antisubmarine, and surface vessel defense.

(3) Executes offensive attack and defensive fighter tactics.

(4) Operates from carrier or land bases.

(5) Commands or assists in commanding an aviation unit.

d. Related DOT Classification/DOT Code. Airplane Pilot, Commercial 196.263-014.

#These MOSs are no longer being assigned. Officers currently assigned these MOSs may retain until attrition or conversion to another primary MOS.

2. MOS 7502, Forward Air Controller/Air Officer (I)*

a. Summary. Forward air controller/air officers direct and control close air support missions and advise commanders of ground units on matters pertaining to air support.

b. Requirements/Prerequisites. This MOS is to be assigned as a skill designator MOS only to naval aviators and naval flight officers upon completion of the Amphibious Tactical Air Control Party Course at NAB, Coronado, San Diego, CA or NAB, Little Creek, VA.

c. Duties

(1) Advises commanders of ground units on the suitability of targets as objectives for aircraft, types of aircraft best suited for particular missions, and on marking of targets and front-line positions.

(2) Maintains liaison with ground intelligence officers to obtain information on enemy positions, location of targets, position of front lines, and time aircraft are needed for strike.

(3) Arranges air support missions by contacting aviation units and giving number and type of aircraft needed, target information, armament desired, and time of attack.

(4) Directs and controls aircraft on a support mission by radio communication from a forward position.

(5) Observes and reports the results of strikes.

(6) Coordinates all aviation assault support missions for ground units.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 7510 and 7511, Pilot VMA (AW) (I)#

a. Summary. Pilots VMA (AW) operate electronic equipped fighter-attack aircraft to provide air support in all weather conditions, day and night.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) MOS 7510 - Pilot VMA (AW) FRS Basic A-6E. MOS 7511 - Pilot VMAA-6E Qualified.

(3) Must have a secret security clearance.

c. Duties

(1) Provides air support by dive and glide bombing, rocket, and strafing attacks during all weather conditions, day and night.

(2) Performs aerial reconnaissance, antisubmarine, and surface vessel defense.

(3) Executes offensive attack and defense fighter tactics.

(4) Operates from carrier or land bases.

(5) Commands or assists in commanding an aviation unit.

d. Related DOT Classification/DOT Code. Airplane Pilot, Commercial 196.263-014.

#These MOSs are no longer being assigned. Officers currently assigned these MOSs may retain until attrition or conversion to another primary MOS.

4. MOS 7521 through 7527, Pilot VMFA (I)#

a. Summary. Pilots VMFA operate an electronics equipped fighter-attack aircraft to provide air defense and air support in all weather conditions, day and night.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) MOS 7521 - FRS Basic F/A-18 Pilot.
#MOS 7522 - Pilot VMFA F-4S Qualified.

MOS 7523 - Pilot VMFA F/A-18 Qualified.
*MOS 7527 - Pilot VMFA F/A-18D Qualified.

(3) MOS 7527 is to be assigned as a skill designator MOS only. It will be assigned for pilots flying the F/A-18D aircraft upon completion of CACC and T&R syllabus flight for TAC(A)/FAC(A) and RECCE.

(4) All F/A-18 A/C/D pilots receive primary MOS 7523.

(5) Must have a secret security clearance.

c. Duties

(1) Provides air defense during all weather conditions, day and night, by coordinating with airborne and/or ground control intercept units to intercept and destroy attacking enemy aircraft.

(2) Provides air support by dive and glide bombing, rocket, and strafing attacks.

(3) Performs aerial reconnaissance, antisubmarine, and surface vessel defense.

(4) Executes offensive and defensive all weather fighter tactics.

(5) Operates from carrier or land bases.

(6) Commands or may assist in commanding an aviation unit.

d. Related DOT Classification/DOT Code. Airplane Pilot, Commercial 196.263-014.

#This MOS is no longer being assigned. Officers currently assigned this MOS may retain it as a primary until attrition or conversion to another primary MOS.

5. MOS 7531 and 7532, Pilot VMM (I)

a. Summary. Pilots VMM operate tiltrotor aircraft on observation, transport, rescue, and utility missions.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) MOS 7531 - FRS Basic V-22 Pilot.

(3) MOS 7532 - Pilot V-22 Qualified.

(4) Must have a secret security clearance.

c. Duties

(1) Performs missions, such as transportation of troops and equipment, evacuation and maritime special operations, mobile Forward Area Refueling (FARP) operation, Tactical Recovery of Aircraft and Personnel (TRAP).

(2) Operates aircraft from ship or land bases.

(3) Operates aircraft from small fields in close coordination with ground troops.

(4) Commands or may assist in commanding an aviation unit.

d. Related DOT Classification/DOT Code. Airplane Pilot, Commercial 196.263-014.

6. MOS 7541 through 7545, Pilot VMAQ/VMFP (I)#

a. Summary. Pilots VMAQ/VMFP operate electronically or photographically configured aircraft to provide air support and air defense and obtains photographic information and intelligence.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) #MOS 7541 - FRS Basic EA-6B Pilot.
MOS 7542 - EA-6A Qualified.
MOS 7543 - EA-6B Qualified.
#MOS 7545 - RF-4B Qualified.

(3) Must have a secret security clearance.

c. Duties

(1) Provides air support by electronic countermeasures against enemy fighters, ground radars, communications networks, and radar controlled guns during strikes against enemy installations; provides air defense by active and passive electronic countermeasures against enemy aircraft and provides airborne early warning; provides aerial intelligence by electronic mapping, reconnaissance, and early warning; supervises development of intelligence obtained; and plans and executes photographic missions over assigned areas to photograph terrain and installations.

(2) Supervises developing, printing, and assembling of aerial photographs and mosaics.

(3) Executes offensive and defensive fighter tactics.

(4) Operates from carrier and land bases.

(5) Commands or may assist in commanding an aviation unit.

d. Related DOT Classification/DOT Code. Airplane Pilot, Commercial 196.263-014.

#This MOS is no longer being assigned. Officers currently assigned this MOS may retain it as a primary until attrition or conversion to another primary MOS.

7. MOS 7550 through 7559, Pilot VMGR (I)

a. Summary. Pilots VMGR operate transport aircraft or turboprop jet-powered aerial refueler/transport aircraft, air supply, and aerial refueling operations, as appropriate.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) MOS 7550 - Pilot VMGR Maritime Advance (NATC).
*MOS 7551 - Pilot C-9 Qualified.
*MOS 7552 - Pilot TC-4C Qualified.
MOS 7555 - Pilot UC-12B Qualified.
*MOS 7554 - Pilot UC-35 Qualified.
MOS 7556 - KC-130 Co-Pilot (T2P/T3P).
MOS 7557 - Pilot KC-130 Aircraft Commander.
*MOS 7559 - Pilot CT-39 Qualified.

(3) Must have a secret security clearance.

c. Duties

(1) Operates transport aircraft or turboprop jet aerial refueler/transport aircraft in airlift air supply, evacuation, aerial refueling, and long-range navigation escort flight, as appropriate.

(2) Supervises loading of aircraft, computes weight and balance data, and plans, coordinates, and conducts aerial refueling of tactical aircraft, as appropriate.

(3) Supervises training of aircraft crew in flight duties.

(4) Commands or may assist in commanding an aviation unit.

d. Related DOT Classification/DOT Code. Airplane Pilot, Commercial 196.263-014.

*MOS to be assigned as a skill designator MOS only.

8. MOS 7553, Pilot C-20 Qualified (I)*

a. Summary. C-20 qualified pilots operate transport aircraft. There are 2C-20s presently in the inventory, CMC C-20 and the MASD C-20. Note additional requirements for each type. This MOS may be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) Reserve applicants will be reviewed on a case-by-case basis based upon combined military and civilian flight experience.

(3) Must have a secret security clearance.

(4) CMC C-20:

(a) KC-130 Aircraft Commander (7557) must have a minimum of 1500 hours in type.

(b) Jet qualified pilots must have a minimum of 2000 hours multiengine fixed-wing time.

(5) MASD C-20: Must have a minimum of 1200 flight hours, 500 of which must be fixed-wing time.

(6) Must be a U.S. citizen.

(7) Must have a secret security clearance.

c. Duties

(1) Operate transport aircraft.

(2) Supervise loading of aircraft and computes weight and balance data.

(3) Supervise training of aircraft crew in flight duties.

(4) Command or may assist in commanding an aviation unit.

d. Related DOT Classification/DOT Code. Airline Pilot, Commercial 196.263-014.

9. MOS 7558 through 7568, Pilot HMH/M/L/A (I)

a. Summary. Pilots HMH/M/L/A operate rotary wing aircraft on observation, transport, rescue, utility, and fire suppression missions.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) MOS 7558 - FRS Basic CH-53D Pilot.
MOS 7560 - FRS Basic CH-53E Pilot.
MOS 7561 - FRS Basic CH-46 Pilot.
MOS 7562 - Pilot CH-46 Qualified.
MOS 7563 - Pilot UH-1 Qualified.
MOS 7564 - Pilot CH-53 A/D Qualified.
MOS 7565 - Pilot AH-1 Qualified.
MOS 7566 - Pilot CH-53E Qualified.
MOS 7567 - FRS Basic UH-1N Pilot.
MOS 7568 - FRS Basic AH-1 Pilot.

(3) Must have a secret security clearance.

c. Duties

(1) Performs missions, such as observation, message pickup, transportation of troops and equipment, laying wire, hoisting, rescue, and fire suppression.

(2) Operates aircraft from land or sea with helicopter facilities.

(3) Operates aircraft from small fields in close coordination with ground troops.

(4) The HML/A pilot also performs spotting for naval gunfire and field artillery.

(5) Commands or may assist in commanding an aviation unit.

d. Related DOT Classification/DOT Code

(1) Airplane Pilot, Commercial 196.263-014.

(2) Helicopter Pilot 196.263-014.

10. MOS 7576, Pilot VMO (I)#

a. Summary. Pilots VMO operate fixed-wing aircraft on observation, reconnaissance, and escort missions.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) Must have a secret security clearance.

c. Duties

(1) Performs missions, such as observation, photographic reconnaissance, target identification, destruction of enemy aircraft, neutralization of ground fire, limited close air support against lightly defended target areas, liaison, and cargo/personnel transportation.

(2) Operates from small fields in close coordination with ground troops, and performs spotting for naval gunfire and field artillery.

(3) Commands or assists in commanding an aviation unit.

d. Related DOT Classification/DOT Code. Airplane Pilot, Commercial 196.263-014.

#This MOS is no longer being assigned. Officers currently assigned this MOS may retain it as primary until attrition or conversion to another primary MOS.

11. MOS 7577, Weapons and Tactics Instructor*

a. Summary. Weapons and tactics instructors train aviation personnel in the weapons system for operations in a total threat environment in coordination with ground and other aviation units. This MOS will be assigned only as a skill designator MOS to qualified aviation personnel.

b. Requirements/Prerequisites

(1) Complete the Marine Aviation Weapons and Tactics Squadron, WTI Course.

(2) Must have a secret security clearance.

c. Duties

(1) Manages a unit weapons and tactics training program.

(2) Performs classroom and flight instruction on various facets of the weapons system.

(3) Provides instruction in the operations and employment of weapons systems.

(4) Analyzes performance and provides corrective guidance.

(5) Instructs on current enemy capabilities and the tactics to counter enemy threats.

d. Related DOT Classification/DOT Code. No civilian equivalent.

12. MOS 7524, 7525, 7574, 7578 through 7588, Naval Flight Officer (NFO) (I)#

a. Summary. NFOs as members of aircraft crews assist in the employment of the aircraft offensive and defensive weapons. NFOs assigned as Supporting Arms Coordinator's (SAC(A)) will also direct supporting fires for ground forces to include artillery, naval gunfire and close air support. Advise commanders of ground units on matters pertaining to aerial observation and provide information of intelligence value not readily available from normal sources.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) MOS 7524 - FRS Basic F/A-18D Weapons Systems Officer (WSO).
MOS 7525 - Qualified F/A-18D WSO.
#MOS 7574 - Qualified Supporting Arms Coordinator (Airborne).
MOS 7578 - NFO Student (TBS).
MOS 7580 - Tactical Navigator Flight Student (NATC).
MOS 7582 - FRS Basic EA-6B Electronic Warfare Officer.
#MOS 7583 - Qualified A-6E Bombardier/Navigator.
MOS 7584 - Qualified EA-6A Electronic Warfare Officer.
#MOS 7585 - Qualified RF-4B Airborne Reconnaissance Officer.
#MOS 7587 - F-4S Radar Intercept Officer.
MOS 7588 - Qualified EA-6B Electronics Warfare Officer.

(3) Must have a secret security clearance.

(4) Must meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department.

c. Duties

(1) Receives and evaluates data recorded by airborne electronic equipment to make determinations appropriate to the mission of the aircraft.

(2) Operates airborne electronic equipment used in accomplishing the mission of the aircraft.

(3) Commands or may assist in commanding an aviation unit.

d. Related DOT Classification/DOT Code. Navigator 196.167-014.

These MOSs are no longer being assigned. Officers currently assigned these MOSs may retain them as primary until attrition or conversion to another primary MOS.

13. MOS 7589, V/STOL Landing Signal Officer*

a. Summary. V/STOL landing signal officers control launch and recovery of fixed wing V/STOL aircraft aboard carriers, amphibious platforms, and field carrier landing practice (FCLP). This MOS is to be assigned only as a skill designator MOS

to qualified pilots who have been designated as squadron V/STOL LSOs (day/night) as described in the V/STOL LSO NATOPS.

b. Requirements/Prerequisites. Must have a secret security clearance.

c. Duties

(1) Ensures safe and expeditious launch and recovery of V/STOL aircraft aboard carriers and amphibious platforms.

(2) Conducts aircrew training in shipboard launch, approach, and landing procedures and techniques.

d. Related DOT Classification/DOT Code. No civilian equivalent.

14. MOS 7590, Landing Signal Officer Trainee*

a. Summary. Landing signal officer trainees control the recovery of aircraft aboard aircraft carriers and short airfields for tactical support (SATS). This MOS is to be assigned only as a skill designator MOS to qualified pilots who have completed Phase I LSO School or its equivalent.

b. Requirements/Prerequisites. Must have a secret security clearance.

c. Duties

(1) Ensures safe and expeditious recovery of aircraft aboard ships and SATS.

(2) Trains aircrews in carrier and SATS landing procedures and techniques.

d. Related DOT Classification/DOT Code. No civilian equivalent.

15. 7591, Naval Flight Officer VMAW (I)*

a. Summary. Naval flight officers assist in the employment of the aircraft on atomic weapon missions. This MOS is to be assigned only as a skill designator MOS to qualified NFOs.

b. Requirements/Prerequisites. Must have a secret security clearance.

c. Duties

(1) Assists NA in attack missions employing atomic weapons using prescribed delivery techniques.

(2) Assists NA in command in performing prescribed preflight and in-flight monitoring of atomic weapons.

(3) Operates airborne electronic equipment during atomic weapons missions.

(4) Commands or may assist in commanding an aviation unit.

d. Related DOT Classification/DOT Code. No civilian equivalent.

16. MOS 7592, Pilot VMAW*

a. Summary. Pilots VMAW operate either fighter or attack aircraft on atomic weapon missions. This MOS is to be assigned only as a skill designator MOS to qualified pilots.

b. Requirements/Prerequisites. Must have a secret security clearance.

c. Duties

(1) Performs attack missions employing atomic weapons using prescribed delivery techniques.

(2) Performs prescribed preflight and in-flight monitoring and control functions of atomic weapons.

(3) Plans and executes atomic missions using available intelligence and aircraft performance data.

(4) Evaluates indications of malfunctions of atomic weapons in flight and performs necessary emergency procedures.

d. Related DOT Classification/DOT Code. Airplane Pilot, Commercial 196.263-014.

17. MOS 7593 and 7594, Landing Signal Officer (I)*

a. Summary. Landing signal officers control recovery of aircraft aboard aircraft carriers and SATS. These MOSs are to be assigned only as skill designator MOSs to qualified pilots who have successfully completed the appropriate phases of training described in the LSO NATOPS Manual and are designated by a fully qualified LSO.

b. Requirements/Prerequisites

(1) MOS 7593 - Both Phases I and II qualified LSO (including SAT qualification).

(2) MOS 7594 - Phase III Qualified LSO.

(3) Must have a secret security clearance.

c. Duties

(1) Ensures the safe and expeditious recovery of aircraft aboard ships and SATS.

(2) Trains aircrews in carrier and SATS landing procedures and techniques.

d. Related DOT Classification/DOT Code. No civilian equivalent.

18. MOS 7595, Test Pilot/Flight Test Project Officer*

a. Summary. Test pilot/flight test project officers perform functional ground checks and flight tests to obtain performance data of aircraft and/or installed systems. This MOS is to be assigned only as a skill designator MOS to pilots and

NFOs who have completed training at the U.S. Naval Test Pilot School, NAS, Patuxent River, MD, or equivalent.

b. Requirements/Prerequisites. Secret security clearance.

c. Duties

(1) Pilots or fliers in aircraft for qualitative evaluation or qualitative collection of data of structure, workmanship, crew station arrangement, functional equipment, flight performance, stability and control, maximum and minimum velocity, and uncontrolled flight characteristics.

(2) Records the reading of appropriate instruments and/or reactions of aircraft to various maneuvers.

(3) Evaluates and records the performance of installed equipment and weapons systems.

(4) Provides engineering personnel with recommendations on engineering matters observed during flights.

(5) Writes technical reports using information collected.

d. Related DOT Classification/DOT Code. Test Pilot 196.263-042.

19. MOS 7596, Aviation Safety Officer*

a. Summary. Aviation safety officers supervise unit aviation safety program. This MOS will be assigned only as a skill designator MOS to qualified NA/NFOs.

b. Requirements/Prerequisites. Must have a secret security clearance.

c. Duties

(1) Conducts and records investigations concerning aircraft mishaps analyzing the occurrence as to cause or contributing causes.

(2) Provides recommendations concerning operations, maintenance, supply, and training designed to improve flight safety, standardization, and combat readiness.

d. Related DOT Classification/DOT Code. Safety Manager 012.167-058.16.

20. MOS 7597 and 7598, Basic Pilot (I)

a. Summary. Basic pilots are newly designated NAs that have not yet become combat capable in a specific model of aircraft in the FMF inventory (e.g., MOS 7507: AV-8B; MOS 7510: A-6; MOS 7521:F/A-18; MOS 7560: CH-46, etc.).

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) MOS 7597 - Basic Rotary Wing Pilot.
MOS 7598 - Basic Fixed Wing Pilot.

(3) Must have a secret security clearance.

(4) Must meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department.

c. Related DOT Classification/DOT Code

(1) Airplane Pilot, Commercial 196.263-014.

(2) Helicopter Pilot 196.263-038.

21. MOS 7599, Flight Student (TBS) (I)

a. Summary. Flight students (TBS) are undergoing or awaiting flight training that leads to designation as NA.

b. Requirements/Prerequisites

(1) Must be a U.S. citizen.

(2) Must have a secret security clearance.

c. Related DOT Classification/DOT Code. No civilian equivalent.

1143. **OCCUPATIONAL FIELD 96, SPECIAL EDUCATION PROGRAM**

MOS	TITLE
9602	Education Officer
9603	Leadership Development Specialist
9620	Aeronautical Engineer (SEP)
9622	Chemical Engineer
9624	Electronics Engineer
9625	Modeling and Simulation Officer
9626	Ordnance Systems Engineer
9630	Industrial Engineer
9631	Environmental Engineering Management Officer
9632	Nuclear Engineer
9634	Information Operations Officer
9640	Manpower Management Officer
9644	Financial Management Specialist
9646	Data Systems Specialist
9648	Management, Data Systems Officer
9650	Operations Analyst
9651	Operations Research Specialist
9652	Defense Systems Analyst
9656	Contracting Officer
9657	Systems Acquisition Management (SAM) Officer
9658	Command, Control, Communications, Computers and Intelligence (C4I) Officer
9662	Material Management Officer
9666	Space Operations Officer
9670	Statistics Officer
9674	Public Affairs Management Officer
9678	Historian
9680	Human Resources Management Specialist
9683	Master of International Law
9684	Master of Environmental Law
9685	Master of Labor Law
9686	Master of Procurement Law
9687	Master of Criminal Law
9688	Master of Law (General)

1. MOS 9602, Education Officer*

a. Summary. Education officers serve as Systems Approach to Training (SAT)/Instructional Systems Development (ISD) specialists in billets concerned with various education and training programs. These assignments require a knowledge and understanding of educational leadership, educational research and methodologies, educational administration, educational/instructional technology, curriculum development and evaluation, and management of instruction. This will be assigned a skill designator MOS only by the CMC (MM) to officers who have completed the prescribed course of instruction under the provisions of the Advanced Degree Program (ADP).

b. Requirements/Prerequisites. Upon request and approval, this MOS may also be assigned as a skill designator MOS to officers possessing an advanced degree acquired prior to entry into the service or through off-duty educational efforts.

c. Duties

(1) Serves as the service-level representative to the operating forces and supporting establishment on all issues relating to training standards, training program development, unit training management/evaluation, and unit training readiness.

(2) Implements and evaluates the procedures and techniques of analysis, design, development, presentation, and validation of instruction.

(3) Introduces and evaluates new instructional strategies, methodologies, and technologies.

(4) Coordinates in-service training for instructors and heads of instructional agencies.

(5) Reviews and evaluates programmed instructional materials.

(6) Serves as an advisor on military and civilian related education and training programs.

(7) Conducts research in support of educational plans and programs.

(8) Supervises the educational testing policy and promulgates pertinent orders.

(9) Serves as a course(s) or school administrator: manages and plans short/long range budget, T/O and T/E, facilities, and Training Input Plan (TIP), for a school.

d. Related DOT Classification/DOT Code. Manager, Education and Training 166.167-026.

2. MOS 9603, Leadership Development Specialist*

a. Summary. Leadership development specialists serve initially as Company Officers at the United States Naval Academy. This MOS will be assigned as a skill designator MOS only by CMC.

b. Requirements/Prerequisites. Complete the prescribed course of instruction at the United States Naval Academy.

c. Duties

(1) Act as a Company Officer at the United States Naval Academy.

(2) Implement the fundamental principles of leadership and management in military organizations.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 9620, Aeronautical Engineer (SEP)

a. Summary. Aeronautical engineers supervise and coordinate design, development, testing, procurement, overhaul, modification, and repair of aircraft subsystems.

b. Requirements/Prerequisites

(1) Complete the Aeronautical Engineering curriculum number 610 at the Naval Postgraduate School, Monterey, CA, or equivalent postgraduate degree program at comparable accredited institution.

(2) Open to aviation officers (MOS 75XX) only.

(3) Prior physics preparation required.

c. Duties

(1) Supervises and coordinates research, design, development, and testing of aircraft and aircraft subsystems.

(2) Plans and supervises execution of development programs for aircraft and aircraft subsystems.

(3) Coordinates activities associated with development and procurement plans and programs for aircraft and aircraft subsystems.

(4) Establishes and maintains liaison with other components of the Armed Forces to exchange pertinent data.

d. Related DOT Classification/DOT Code

(1) Aeronautical Engineer 002.061-014.

(2) Aeronautical Test Engineer 002.061-018.

3. MOS 9622, Chemical Engineer

a. Summary. Chemical engineers teach a first year course in chemistry consisting of the following topics: stoichiometry, thermodynamics, quantum mechanics electrochemistry, arid-base chemistry, metallurgy, inorganic chemistry, and organic chemistry.

b. Requirements/Prerequisites

(1) Graduate degree in Chemistry or Chemical Engineering from any accredited institution is required.

(2) Subjects covered should include analytical chemistry, organic chemistry, inorganic chemistry, and physical chemistry.

c. Duties

(1) Teaches two or three sections of 15 to 20 students per section, meeting 3 hours per week in a classroom and 2 hours per week in a laboratory.

(2) Prepares lesson assignments, lessons, lectures, and examinations.

(3) Assist or may assist in developing new courses, to include textbook selection, lesson plan preparation, and laboratory experiment evaluation.

(4) Teaches or may be asked to teach an intermediate level course in an area of competence.

d. Related DOT Classification/DOT Code

(1) Chemist 022.061-010.

(2) Faculty Member, College or University 090.227-010.

4. MOS 9624, Electronics Engineer

a. Summary. Electronics engineers supervise and coordinate design, development, testing, procurement, modification, improvement, and repair of electronics equipment.

b. Requirements/Prerequisites

(1) Complete the Electronic Systems Engineering Curriculum number 590at Naval Postgraduate School, Monterey, CA, or equivalent postgraduate degree program at an accredited university.

(2) Subjects covered in the core courses of either institution should include linear algebra, differential equations, complex variables, numerical methods, applied probability, vector analysis, modern physics, circuit theory, communication theory, control theory, electronics engineering, linear and communications integrated circuits, computer programming, digital logic circuits and microprocessors, and electromagnetic wave theory.

(3) The graduate core of courses should include courses in the subject areas of digital signal processing, analysis of random signals, radiation, scattering and propagation, and microprocessing based system design.

(4) A cohesive sequence in one of the following areas is allowed to complete degree requirements: guidance, navigation and control systems; radar, electro-optics and electronic warfare systems; and computer systems.

c. Duties

(1) Supervises and coordinates research, design, development, and testing of electronics equipment, including radar, data systems, electronic warfare devices, and certain electronic components of missile weapons systems.

(2) Plans and supervises execution of development programs pertaining to electronics equipment and systems.

(3) Collects, evaluates, and prepares reports on foreign and domestic equipment.

(4) Coordinates activities of development and procurement agencies with those responsible for supply and maintenance.

(5) Prepares procurement plans and programs for electronics equipment.

(6) Tests new or experimental equipment.

(7) Designs modifications and improvements to electronics equipment.

(8) Designs maintenance and repair equipment and recommends repair procedures.

(9) Establishes and maintains liaison with other components of the Armed Forces to exchange pertinent data.

d. Related DOT Classification/DOT Code

(1) Electronics Engineer 003.061-030.

(2) Electronics-Test Engineer 003.061-042.

5. MOS 9625, Modeling and Simulation Officer

a. Summary. Modeling and simulation officers manage the acquisition and operation of training, analysis, or acquisition-based simulations in the Marine Corps. Their duties encompass understanding how tactical simulations operate, including both their internal and human-computer interface characteristics. They must be able to modify parametric data, and make reports and observations from the results of running a simulation. They must have a full understanding of after action review systems. They should be capable of building and designing a simulation with a complete understanding of virtual worlds, graphics, terrain databases, algorithms, artificial intelligence techniques, and statistical analysis. They must have an understanding of the theory of and different approaches to modeling and simulation. They must be able to deal on a daily basis with very detailed, technical aspects of computer simulation development as well as conceptual issues governing the development of an analytically sound model.

b. Requirements/Prerequisites

(1) Complete the Modeling, Virtual Environment, and Simulation (MOVES) curriculum at the Naval Postgraduate School, Monterey, CA, or equivalent postgraduate degree from an accredited university.

(2) The following are mandatory minimum course requirements to be completed by those Marines not graduated from Naval Postgraduate School, Monterey, CA: Human Behavior Modeling, Data Analysis, Probability, Statistics, Data Analysis, Stochastic Modeling, Human Performance Evaluation, Object-Oriented Programming, Artificial Intelligence, Computer Communications and Networks, Virtual World Simulation Systems, and Agent-Based Simulation.

c. Duties

(1) Apply and evaluate modeling and simulation tools in joint and maritime strategic planning. This applies to development and execution of military strategy, "what if" analytical evaluation of proposed tactics and strategy, analysis of alternative courses of action, and the effects of technical developments on warfare, formulation of U.S. policy, roles of military forces, joint planning, and current issues in defense reorganization.

(2) Employ modeling and simulation in distributed simulation networks, apply empirical and analytical methods for determining the efficiency and performance of computer systems, modeling of processes, understand design issues of hardware/software compatibility, operating systems compatibility, information systems requirements, and their interoperability via networks.

(3) Conduct designs of experiments, including selection of the most appropriate models for specific requirements. In so doing, apply probability, statistics, and exploratory data analysis as appropriate, to formulate and execute analyses involving uncertainty, including analyses of military operations. Must be

able to analyze a variety of DoD datasets to answer specific operational questions utilizing modeling, virtual environment, and simulation systems.

(4) Evaluates and recommends appropriate design of human-computer interfaces and autonomous agent technologies.

(5) Support of military training and exercises using distributed interactive simulation and networked environments.

d. Related DOT Classification/DOT Code. No civilian equivalent.

6. MOS 9626, Ordnance Systems Engineer

a. Summary. Ordnance systems engineers participate in the research development and acquisition of Marine Corps ground and/or air weapons systems.

b. Requirements/Prerequisites

(1) Graduate level education in computer science and real-time computer systems, electrical engineering with emphasis on control systems, technology of explosives and propellants, material science with emphasis on mechanical behavior, and failure modes of material.

(2) Completion of the Weapons System Engineering curriculum number 530 at the Naval Postgraduate School, Monterey, CA, or equivalent postgraduate degree program at a comparable accredited institution is desirable but not essential.

c. Duties

(1) Participates in the research, development, test, evaluation, and acquisition of ground and/or air weapons systems for the Marine Corps through coordination with Marine Corps, civilian, and other military service agencies.

(2) Programs, budgets, and supervises projects; evaluating proposals and approaches of a highly technical nature; and recommends appropriate courses of action to satisfy Marine Corps material requirements.

(3) Participates in product improvement and/or modifications of weapons systems or components in addition to research and development.

(4) Acts as technical advisor in matters concerning ordnance equipment within the Marine Corps and serves in a technical support capacity to Marine Corps organizations in dealing with agencies external to the Marine Corps.

d. Related DOT Classification/DOT Code. Ordnance Engineer 019.061-022.

7. MOS 9630, Industrial Engineer

a. Summary. Industrial engineers manage or participate in studies, analyses, and programs dealing with production management techniques and management information in an industrial environment.

b. Requirements/Prerequisites

(1) Complete the Air Force Institute of Technology course of study in Engineering Management or completion of an equivalent program at any Engineering Council for Professional Development accredited institution.

(2) Unrestricted officers with primary MOS 1302 and undergraduate degree in engineering are preferred, however, eligible officers with other primary MOSs may apply.

c. Duties

(1) Manages or participates in studies and analyses of material requirements, cost effectiveness, quality control, and other production management techniques in an industrial environment.

(2) Supervises the operation, maintenance, and repair of Marine Corps tactical and administrative equipment; and is capable of performing operations analysis, system and procedures analysis, and providing technical assistance.

(3) Performs technical liaison between military organizations and activities engaged in the areas of long-range planning, operations analysis, research and evaluation, budget management, and performance analysis.

(4) Monitors the installation and operation of data collection systems dealing with equipment maintenance production.

(5) Analyzes job lot processing, cost effectiveness, probability studies, and productive scheduling.

d. Related DOT Classification/DOT Code. Industrial Engineer 012.167-030.

8. MOS 9631, Environmental Engineering Management Officer

a. Summary. Environmental engineering management officers manage environmental programs at the organizational and conceptual levels. They develop and apply a variety of skills and techniques to address engineering, science, management, and policy-level issues to ensure optimum management of their programs. They conduct and guide studies, analyses, and projects assessing both qualitative and quantitative matters such as: innovative environmental management techniques, compliance through pollution prevention integration, and environmental information for military reservations and major commands.

b. Requirements/Prerequisites. Must possess a master's degree from the Air Force Institute of Technology (AFIT) course of study from the Graduate School of Engineering, Department of Engineering and Environmental Management (GEE) Program or possess a master's degree from an equivalent program in Environmental engineering, science, or management at an accredited institution.

c. Duties

(1) Monitor installations' and major commands' compliance with applicable environmental laws, regulations, and directives such as U.S. Laws and Executive Orders, Code of Federal Regulation and Department of Defense Policies.

(2) Manage environmental impact studies and analyses that address the consequences of military installations' and major commands’ operations on the natural environment.

(3) Acts as a technical liaison between military organizations and local, state, and national environmental regulatory agencies.

(4) Communicate environmental management priorities and influence decision-making practices at installations and major commands. Ensure that environmental concerns are addressed and that environmental issues are integrated into both daily and long-term planning processes.

(5) Analyze environmental impacts and health effects associated with a variety of activities and substances (e.g., hazardous waste disposal, asbestos and endangered species).

d. Related DOT Classification/DOT Code. Environmental Scientist 029.081-010.

9. MOS 9632, Nuclear Engineer

a. Summary. Nuclear engineers function as consultants to senior Marine Corps officers in matters relating to nuclear technology and weapons capabilities and are the primary points of contact and advisors for actions pertaining to tactical and strategic nuclear force policies.

b. Requirements/Prerequisites

(1) Completion of the Armed Forces Institute of Technology course of study in Nuclear Engineering or advanced education in Nuclear Engineering from a comparable accredited institution is required.

(2) A master's degree is desirable but not essential.

(3) Course work should be keyed to military use of nuclear engineering and should include atomic physics, nuclear physics, and nuclear instrumentation.

(4) Other advanced engineering degrees with nuclear engineering experience are acceptable.

c. Duties

(1) Conducts research on nuclear engineering problems or apply principles and theory of nuclear science to problems concerned with release, control, and utilization of nuclear energy.

(2) Influences the joint nuclear stockpile planning such as determination of requirements, deployment policy, and allocation of assets.

(3) Supervises the security of nuclear weapons, access, denial, weapon emergency disablement/destruction, treaties and agreements that impact on nuclear weapons, and nuclear readiness/training.

d. Related DOT Classification/DOT Code

(1) Nuclear Engineer 015.061-014.

(2) Research Engineer, Nuclear Equipment 015.061-018.

10. MOS 9634, Information Operations Officer

a. Summary. Information operations (IO) officers plan and advise commanders in the conduct and development of strategy, policy and doctrine on full-spectrum IO.

In addition, IO officers may be asked to help develop IO weapons systems as part of the requirements or acquisitions process.

b. Requirements/Prerequisites

(1) Must be eligible for access to Sensitive Compartmented Information (SCI), predicated on a Single Scope Background Investigation (SSBI).

(2) Complete the Information Warfare (IW) curriculum, number 595, or Information Systems Operations (ISO), Information Operations (IO) Track, curriculum, number 356, at the Naval Postgraduate School, Monterey, CA.

(3) The IW curriculum prepares graduates as systems engineers to participate in the weapons systems development process. They are well versed in electrical engineering, network engineering, as well as the systems engineering required to develop complete IO weapons systems. This curriculum requires a bachelor's degree in engineering.

(4) The ISO/IO curriculum prepares graduates to plan IO as well as advise commanders in the conduct of IO. In addition, graduates receive the requisite background to develop strategy, policy, and doctrine on full-spectrum IO.

c. Duties

(1) Supervises and coordinates research, design, development, and testing of IO, and IO-related systems and equipment.

(2) Plans and supervises execution of development programs of IO and IO-related systems and equipment.

(3) Prepares procurement plans and programs for IO and IO-related systems and equipment.

(4) Monitors technological developments in the IO field to ensure planning reflects future IO systems development.

(5) Develops strategy for the future of IO including all core, supporting and related functions.

(6) Develops IO policy to guide commands in the development of strategy, doctrine, and systems.

(7) Develops IO doctrine that allows for the development of plans, education and training in IO.

d. Related DOT Classification/DOT Code

(1) Electronics Engineer 003.061-030.

(2) Electronics-Test Engineer 003.061-042.

11. MOS 9640, Manpower Management Officer

a. Summary. Manpower management officers conduct and participate in manpower related studies to ensure that sound management techniques are used at all levels of manpower management.

b. Requirements/Prerequisites

(1) Complete the Manpower, Personnel and Training Analysis curriculum number 847 at the Naval Postgraduate School, Monterey, CA, or equivalent postgraduate degree from an accredited institution.

(2) The following are mandatory minimum course requirements to be completed by those Marines not graduated from the Naval Postgraduate School, Monterey, CA:

(a) Multivariate Data Analysis,

(b) Personal Testing and Selection,

(c) Job Analysis and Personal Training,

(d) Manpower Economics I and II,

(e) Manpower/Personnel Policy Analysis,

(f) Manpower and Personnel Models,

(g) Manpower Requirements Determination.

c. Duties

(1) Assists the commander in developing management policy and implementing management techniques throughout the command; studies, surveys, and analyzes objectives, policies, procedures, organization, and administrative actions within the command to assess the effect of management policy.

(2) Seeks to uncover areas in need of revised management techniques.

(3) Uses statistical data, economic theory, and mathematical techniques to establish the comparative factors and alternatives available to managers for decision making.

(4) Analyzes the management process for potential increased efficiency and work simplification through the application of automatic data processing techniques and quantitative techniques; i.e., systems analysis, management engineering principles, and operations research techniques.

(5) Participates in those management actions that support the command's budget requests and in the resource allocation efforts subsequent to budget approval.

(6) Applies knowledge of management control, human relations, personnel principles, and social implications of defense management to personnel research projects, such as OccFld structuring, retention objectives, and force management.

d. Related DOT Classification/DOT Code. Management Analyst 161.167-010.

12. MOS 9644, Financial Management Specialist

a. Summary. Financial management specialists have a graduate degree in financial management and are assigned to budget officer billets with a billet MOS of 9644 or to financial management billets within the Washington, DC area. Financial management specialists assigned to field 9644 billets should have a primary MOS of

3404. Most financial management specialist billets are within the Washington, DC area. Typical duties of such a Washington, DC assignment include budget analyst, cost analyst, or section head for a resource management office.

b. Requirements/Prerequisites

(1) Complete Financial Management curriculum 837 at Naval Postgraduate School, Monterey, CA or equivalent postgraduate degree program at a comparable accredited institution.

(2) Unrestricted officers with primary MOS 3404 are preferred; however, unrestricted officers with other primary MOSs may apply.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.XX, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Budget Officer 161.117-010.

(2) Auditor, Internal 160.167-034.

(3) Budget Analyst 161.267-030.

13. MOS 9646, Data Systems Specialist

a. Summary. Data systems specialists manage the operation of a data systems activity that encompasses systems for recording, collecting, controlling, verifying, interpreting, and presenting data used in planning and directing automated Marine Corps data systems. Develop methodology and concepts for optimum utilization of automatic data processing equipment (ADPE). Develop ADPE requirements in coordination with users by assisting in the preparation of formal data automation requirements. Monitor the design and development of software/hardware (including modification to existing programs and ADP systems) to ensure compatibility with operational requirements. Monitor systems development programs to ensure that advances in computer sciences technology and ADPE capabilities and limitations are identified and employed.

b. Requirements/Prerequisites

(1) Complete the Computer Science Curriculum number 368 at the Naval Postgraduate School, Monterey, CA, or equivalent postgraduate degree from an accredited university.

(2) The following are mandatory minimum course requirements to be completed by those Marines not graduated from Naval Postgraduate School, Monterey, CA:

(a) Applied Probability and Statistics,

(b) Discrete Mathematics,

(c) Automate, Formal Languages, and Computability,

(d) Structured Programming Languages,

(e) Data Structures,

(f) Complies design,

(g) Operating Systems,

(h) Microcomputers,

(i) Computer Architecture,

(j) Artificial Intelligence,

(k) Operations Research,

(l) Numerical Analysis,

(m) System Design and analysis,

(n) Management and Electronics Electives,

(o) Computer Communications and Networks.

c. Duties

(1) Assists the commander in determining policy for installing and operating ADP systems.

(2) Formulates data processing policies and procedures to provide systematic flow of automated data.

(3) Establishes organizational structure, operational procedures, training, budget, and coordination for data processing activities.

(4) Analyzes ADP requirements and recommends appropriate ADPE to efficiently and effectively support approved systems.

(5) Determines and specifies requirements for transmission and receipt of data via communication networks.

(6) Evaluates results of analysis data to provide a basis for improving and/or revising programs or procedures to optimize ADPE utilization.

(7) Participates in information and tactical data systems studies to determine the impact of employing alternative configurations of ADPE to support present and future information and tactical data systems.

(8) Provides technical knowledge and assistance for studies that relate to ADPE configuration and employment.

(9) Analyzes and reviews documentation required to support and justify proposed or revised information or tactical data systems.

(10) Maintains direct and frequent contact with functional managers concerning ADP systems development or maintenance problems that impact on approved ADPE configuration.

(11) Coordinates the interface/compatibility of communications/electronic equipment required to support remote or deployed commands.

d. Related DOT Classification/DOT Code. Manager, Electronic Data Processing 169.167-030.

14. MOS 9648, Management, Data Systems Officer

a. Summary. Management, data systems officers, manage system development activities, including assessment of feasibility, detailed system design, testing, conversion, implementation, and post-implementation review.

b. Requirements/Prerequisites

(1) Complete the Information Technology Management curriculum number 370 at the Naval Postgraduate School, Monterey, CA, or equivalent postgraduate degree from an accredited institution.

(2) The following are mandatory minimum course requirements to be completed by those Marines not graduated from Naval Postgraduate School, Monterey, CA:

(a) Probability and Statistics,

(b) Operations Research,

(c) Economic Evaluation of Information Systems,

(d) Automatic Data Processing Systems Acquisition,

(e) Computing Devices and Systems,

(f) Software Development,

(g) Operating Systems,

(h) System Analysis and Design,

(i) Computer Management,

(j) Organization and Management.

c. Duties

(1) Participates in the evaluation of system development documentation to ensure economic and operational viability of the system, integrity of system design, and understanding of the system by both functional managers and the technical systems staff.

(2) Determines the need for the integration of existing and developing systems.

(3) Coordinates the development of measurable objectives for system performance that form the baseline for the measurement of system effectiveness.

(4) Determines management strategy, policy, and doctrine for system development, documentation, and information processing management standards.

(5) Conducts evaluation of existing information systems with regard to throughput performance, utilization of input/output media, and overall user satisfaction.

(6) Specifies and coordinates current hardware, software, and project management practices for both the technical and user systems development staff.

(7) Coordinates ADP management policy with technical management, functional management, and senior ADP policy officials.

d. Related DOT Classification/DOT Code. Systems Analyst, Electronic Data Processing 012.167-066.

15. MOS 9650, Operations Analyst

a. Summary. Operations analysts participate in the analysis of military operations or weapons systems, cost effectiveness studies, program management, and war gaming or other simulations activities at research and development activities, programming and management activities, and operational units of the FMF.

b. Requirements/Prerequisites

(1) Complete the Operations Analysis curriculum number 360 at Naval Postgraduate School or equivalent postgraduate degree program at comparable accredited institution.

(2) Prior mathematics preparation required.

c. Duties

(1) Participates in the following: construction of models, manual or computer, for analysis or comparison of military activities, operations, weapons systems, and force structures; the gathering of empirical data used in support of analysis, comparison, or war gaming of military activities, weapons systems and plans; and cost effectiveness studies to analyze weapons systems, operational concepts, and resource allocation.

(2) Conducts statistical evaluations and comparisons of the results of such tests and writes technical reports on results.

(3) Directs, supervises, conducts, or participates in war gaming or simulation activities, including preparation of rules or flowcharts, conduct of game or simulation, assessment of the game moves, of simulation steps, evaluation of the results, and determination of appropriate measures of effectiveness.

(4) Performs technical liaison between military organizations and activities engaged in analytical or evaluation work and technical assistance contractors supporting the military activity.

(5) Performs any or all of the above duties and tasks at research and development activities, management activities, or with operational units of the FMF.

d. Related DOT Classification/DOT Code. Operations Research Analyst 020.067-018.

16. 9651, Operations Research Specialist*#

a. Summary. Operations research specialist participate in studies and analysis of military operations, weapon systems, or organizations utilizing a variety of methodologies and automated tools in support of research and development activities, major headquarters staffs in the supporting establishment and operating

forces, and the Joint Staff/Command. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Complete the Operations Research/Systems Analysis Military Applications Course at the Army Logistics Management College, Ft Lee, or possess an undergraduate degree in Operations Research or Industrial Engineering (Operations Research option).

(2) A prior mathematics background is required.

c. Duties

(1) Participates in the following: construction of models, manual or computer, for analysis or comparison of military activities, operations, weapons systems, and force structures; the gathering of empirical data used in support of analysis, comparison, or war gaming of military activities, weapons systems and plans; and cost effectiveness studies to analyze weapons systems, operational concepts, and resource allocation.

(2) Conducts or participates in war gaming or simulation activities, including preparation of rules or flow charts, conduct gaming or simulation, assessment of game moves or simulation steps, evaluation of results, and determination of measures of effectiveness.

(3) Develops and utilizes spreadsheet models in support of optimization, decision analysis, resource allocation, or other operational or management problem-solving efforts.

(4) Develops and administers surveys using manual or automated instruments and analyzes and presents results.

(5) Retrieves data from diverse official databases, reduces and analyzes the data using automated tools in order to provide support for studies or satisfy the information requirements o the organization.

(6) Designs and conducts experiments and analyzes results using statistical tests and tools.

(7) Performs time series and trend analysis based on existing data to produce forecasts of future resources or requirements.

(8) Applies cost analysis techniques to perform cost comparison of alternatives.

d. Related DOT Classification/DOT Code. Operations Research Analyst 020.067-018.

NOTE: This MOS is not a Special Education Program MOS.

17. MOS 9652, Defense Systems Analyst

a. Summary. The defense systems analyst participates in studies and analyses of force structures, weapon system mixes, and cost effectiveness comparisons that support resource allocation decisions in programming and analysis sections located at top management levels and research and development activities.

b. Requirements/Prerequisites

(1) Complete the Defense Systems Analysis curriculum number 817 at Naval Postgraduate School or equivalent postgraduate degree at a comparable accredited institution.

(2) Must possess a secret security clearance.

c. Duties

(1) Participates in studies and analysis of material requirements and military force structures, comparisons of weapon systems, and weapon system mixes.

(2) Uses empirical data, economic theory, organizational theory, decision analysis, and mathematical and statistical techniques to establish the comparative factors and alternatives available to the decision maker.

(3) Provides technical support to associated staff sections in the review and evaluation of studies and analyses completed by other agencies.

(4) Reviews and evaluates systems cost estimates to include developmental, production, and life cycle costs.

(5) Assists the decision maker in defining problems, identifying alternatives, and formulating recommendations.

(6) Performs cost effectiveness and cost benefit analysis to support resource allocation decisions.

(7) Performs technical liaison with other military and governmental agencies that conduct analytical or evaluation studies.

(8) Performs any or all of the above duties and tasks in programming and analysis sections located at top management levels and research and development activities.

d. Related DOT Classification/DOT Code

(1) System Analyst 161.167-010.

(2) Mathematician 020.067-014.

18. MOS 9656, Contracting Officer*

a. Summary. Contracting officers evaluate contract requirements, specifications, bids, proposals, and subsequent contractor performance. When appointed in accordance with the Federal Acquisition Regulation, contracting officers have authority to enter into, administer, or terminate contracts and make related determinations and findings. Contracting officers may bind the Government only to the extent of the authority delegated to them. This MOS is also an Acquisition Workforce Career Field as defined by the Defense Acquisition Workforce Improvement Act and Title10, Section 1701. Officers serving in MOS 9656 are eligible for the MOS 9957, Acquisition Professional Candidate, and MOS 9958, Acquisition Management Officer, acquisition workforce programs. This MOS will be assigned only as a skill designator MOS.

b. Requirements/Prerequisites

(1) Complete the Acquisition and Contracting Management curriculum number 815 at the Naval Postgraduate School, Monterey, CA.

(2) Must possess a secret security clearance.

(3) Must be a U.S. Citizen.

(4) Must meet other requirements as may be prescribed by regulation.

c. Duties

(1) Provides planning, programming, budgeting, and acquisition planning support to various Marine Corps appropriation sponsors; reviews acquisition plans, statements of work, performance work statements, economy act orders, specifications, requests for proposals and invitations for bids; evaluates contract proposals, bids, and contractor performance; awards and administers contracts.

(2) Supervises others in the conduct of Marine Corps contracting functions.

(3) Makes determinations and findings as well as determines obligations for the settlement of controversies and protests on Government contracts.

(4) Performs contingency contracting functions in support of the conduct of war, operations other than war exercises, and deployments.

(5) Typical assignments: Chief/Deputy of Contracts at a Marine Corps Regional Contracting Office or contract specialist/procurement analyst (supporting establishment), Chief of Contracts at a Marine Corps Deployed Regional Contracting Office (FSSG), Contracting/Host Nation Support Officer (MEF/MAGTF), Contracting Officer (JTF, HQMC, etc.).

d. Related DOT Classification/DOT Code. Contract Specialist 162.117-018.

19. MOS 9657, Systems Acquisition Management (SAM) Officer

a. Summary. Systems acquisition Management officers plan, direct, coordinate, and supervise the acquisition process including the total life cycle planning of weapons systems/equipment.

b. Requirements/Prerequisites. Complete the System Acquisition Management (SAM) curriculum number 817A at the Naval Postgraduate School, Monterey, CA or equivalent postgraduate degree program at a comparable accredited institution.

c. Duties

(1) Participates as a key project officer in the life cycle planning and acquisition of weapons systems/equipment.

(2) Develops supporting data to justify initiation of validated new systems acquisition programs.

(3) Provides planning, programming, and budgeting support to various Marine Corps appropriation sponsors.

(4) Develops and evaluates statements of work.

(5) Assesses capability/suitability of proposed systems with regard to viable alternatives; concept of employment; life cycle costs and current/projected threats; Integrated Logistics Support (ILS) and Logistics Support Analysis (LSA); evaluation of systems effectiveness in relation to reliability, maintainability, and support considerations.

(6) Develops, implements, and coordinates acquisition and ILS strategies, policies, and plans.

d. Related DOT Classification/DOT Code. Operations Research Analyst 020.067-018.

20. MOS 9658, Command, Control, Communications, Computers and Intelligence (C4I) Officer

a. Summary. C4I systems officers coordinate the design, development, testing, evaluation, and operation of C4I systems.

b. Requirements/Prerequisites

(1) Complete the Joint C4I Systems Technology curriculum number 365 at the Naval Postgraduate School, Monterey, CA or equivalent postgraduate degree program at a comparable accredited institution.

(2) The requirement may also be satisfied by the completion of the Joint C4I Staff and Operations Course at the Armed forces Staff College and one duty assignment in a command and control billet.

c. Duties

(1) Supervises and coordinates design, development, testing, and evaluation of computerized C4I systems.

(2) Participates in development programs for C4I hardware and software elements.

(3) Prepares engineering data and documentation necessary for interfacing tactical command and control systems with allied or worldwide, joint C4I systems.

(4) Conducts design reviews necessary to upgrade and improve C4I systems.

(5) Develops test and evaluation criteria, including comprehensive test plans for C4I systems.

(6) Supervises, or participates in, the operation of C4I systems in the joint or military service environment.

(7) Evaluates the EW threat against C4I systems and develops procedures or system elements which minimize the potential impact of EW.

d. Related DOT Classification/DOT Code. Systems Engineer, Electronic Data Processing 003.167-062.

21. MOS 9662, Material Management Officer

a. Summary. Material management officers analyze, review, and seek to improve information procedures, techniques, and systems as they relate to Marine Corps logistic functions. Provide a comprehensive background in scientific, managerial, and administrative methods, procedures, and techniques applicable to logistic systems used in the Marine Corps.

b. Requirements/Prerequisites. Complete the Material Logistics Support Management curriculum number 827 at Naval Postgraduate School, Monterey, CA, or equivalent postgraduate degree at a comparable accredited institution.

c. Duties

(1) Monitors the status of logistic management information.

(2) Provides expertise on the principal means of accumulating, transmitting, processing, storing, and applying such information to management systems.

(3) Coordinates the design and control of logistic management information systems with present technological capabilities.

(4) Provides knowledge concerning existing mechanical, electrical, and electronic means of data processing, storing, and transmission and related input/output communication systems used in the Marine Corps.

d. Related DOT Classification/DOT Code. Logistics Engineer 019.167-010.

22. MOS 9666, Space Operations Officer

a. Summary. Space operations officers will be involved in the management and supervision for the Marine Corps active participation in the development, operation, and use of space systems for the accomplishment of Marine Corps missions, to include support for strategic defense.

b. Requirements/Prerequisites

(1) Complete the Space Systems Operations curriculum number 366 at the Naval Postgraduate School, Monterey, CA.

(2) Must have a comprehensive practical and theoretical knowledge of the space environment and relevant technologies and specific knowledge of:

(a) Plans, concepts, strategies, and tactics for employment of space systems.

(b) Factors leading to assessment of design requirements.

(c) Simulation and modeling.

(d) Orbitology.

(e) Space warfare.

(f) Military employment of space systems.

(g) Computers.

(h) National space effort organization.

c. Duties

(1) Assists in overseeing and coordinating Marine Corps participation in the development, acquisition, operation, management, and tasking of space systems that are directed primarily toward fulfilling Marine Corps missions.

(2) Monitors acquisition of information and data acquired by national systems necessary to support Marine Corps missions.

(3) Assists in the development and coordination of Marine Corps space policy and strategy.

(4) Assists in the development of doctrine for use of space systems in Marine Corps operations.

(5) Supervises and coordinates development of concepts and Marine Corps requirements for space systems; drafts tentative operational requirements which resolve Marine Corps needs.

(6) Monitors the use of space systems by Marine Corps forces in exercises and training.

(7) Ensures that the Marine Corps, with the Navy, conducts and supports research in coordination with other DoD organizations to preserve and enhance a strong space technology base related to Marine Corps requirements.

(8) Coordinates with technology development organizations and laboratories to obtain expert assistance in the development and acquisition of space systems that support Marine Corps missions.

(9) Translates validated Marine Corps space requirements into plans for existing capabilities or for acquisition of necessary resources.

(10) Coordinates with and advises commands in the development of warplanes which incorporate unique space-based capabilities in support of FMF operations.

(11) Participates on joint staffs to plan, manage, and use military space systems and to develop requirements, strategy, and doctrine, to include strategic defense.

d. Related DOT Classification/DOT Code. No civilian equivalent.

23. MOS 9670, Statistics Officer

a. Summary. Statistics officers instruct, supervise, and coordinate the analysis and presentation of statistical data.

b. Requirements/Prerequisites

(1) Completion of a postgraduate degree in applied mathematics, mathematics, statistics, or similar curriculum is preferred.

(2) Those Marines not possessing a postgraduate degree in the above curriculums should at a minimum have completed graduate level courses in probability

theory, statistical inference, nonparametric statistics, design of experiments, sampling theory, scaling techniques, mathematical modeling, and data analysis.

(3) The Marine should be familiar with at least one statistical software package.

c. Duties

(1) Supervises the activities of personnel compiling statistical data.

(2) Analyzes statistical data germane to Marine Corps activities and prepare data for inclusion in budget estimates.

(3) Serves as a consultant on statistical principles and presents instruction thereon.

d. Related DOT Classification/DOT Code. Statistician, Applied 020.167-026.

24. MOS 9674, Public Affairs Management Officer

a. Summary. Public affairs management officers function as supervisors and coordinators of the activities of public affairs offices and advise commanders and staffs on public affairs matters to include public information, community relations, and internal information. Public affairs officers may, on occasion, perform duties in international public affairs.

b. Requirements/Prerequisites

(1) Must possess a master's degree in public relations, journalism, or mass communication/media management from an accredited university.

(2) The advanced degree work must concentrate on the theory and practice of contemporary mass communication. The majority of courses should be in mass communication management and public relations. A minimum of 2 to 3 courses in print and broadcast journalism is also recommended.

c. Duties

(1) Supervises the preparation of information for general release, including news releases, feature stories, photographs, tapes, and film.

(2) Coordinates activities (i.e., briefings, transportation, and escort services) for civilian media/journalists.

(3) Ensures activities of civilian media/journalists and other official visitors are conducted following the security regulations.

(4) Informs the commander and staff on matters which promote and preserve harmonious relations with the civilian community; advises on internal and external information matters; and provides technical advice and assistance.

(5) Assigns personnel to obtain stories, photographs, and recordings of events for use and release as internal and external information.

(6) Supervises the preparation of scripts for radio and television and editing of recordings.

(7) Supervises the publication of command newspapers.

(8) Assists civilian agencies in their contacts with the Marine Corps in matters of public information and community relations.

(9) Reviews speeches, scripts, and articles.

d. Related DOT Classification/DOT Code

(1) Public-Relations Representative 165.067-010.

(2) Editor, Department 132.037-018.

25. MOS 9678, Historian

a. Summary. Marine Corps historians function as coordinators of historical activities and participate in a military historical writing program of military historical institutions.

b. Requirements/Prerequisites. Must possess a master's degree in history from an accredited university.

c. Duties

(1) Researches and writes official histories of Marine Corps activities.

(2) Supervises, as required, the preparation of such histories with background in historical references, libraries, and archives.

(3) Participates as researcher, interviewer, and editor in oral history interviews with senior officers and key participants insignificant Marine Corps activities.

(4) Monitors the conduct of oral history interviews by field organizations.

(5) Instructs or may instruct in military history, with emphasis on amphibious warfare, at officer schools.

(6) Prepares lesson plans and supporting instructional material.

(7) Advises commanding officers on historical matters.

(8) Instructs or may instruct in naval service educational institutions such as Command and Staff Colleges or the U.S. service academies.

d. Related DOT Classification/DOT Code. Historian 052.067-022.

26. MOS 9680, Human Resources Management Specialist

a. Summary. Human resources management (HRM) specialists manage and review affirmative action plans and statistical evaluation measures. Identify new areas for HRM and design system strategies for improved HRM.

b. Requirements/Prerequisites. Must possess a master's degree, or higher, in HRM/Psychology/Sociology or related behavioral science. Curriculum should include

such topics as behavior research methodology, organization theory, leadership and group behavior, military sociology, and analysis of bureaucracy.

c. Duties

(1) Designs and develops affirmative action plans and statistical evaluation measures for determining progress in the area of HRM.

(2) Develops and implements programs, conducts long range research, and accomplishes special projects in the areas of leadership, equal opportunity, race relations, and drug and alcohol abuse.

(3) Designs organizational development plans (the long-range effort to improve an organization's effectiveness and ability to adapt to changes), with the objective of improving the problem solving process of the organization and revitalizing the activities of groups and members.

d. Related DOT Classification/DOT Code. Equal Opportunity Representative 168.167-014.

27. MOS 9683, Master of International Law

a. Summary. Masters of international law provide specialized skill in technical areas of international and operational law.

b. Requirements/Prerequisites

(1) Must be a judge advocate (MOS 4402) with a Master of Law degree (LL.M.) in International Law from an American Bar Association accredited program at a civilian institution or a specialty program in International and Operational Law from the graduate course at The Judge Advocate General's School, Army.

(2) Must possess the 4402 MOS and meet all qualifications thereunto pertaining.

c. Duties

(1) Judge advocates with a Master of Law degree in international law serve in challenging billets requiring an understanding of complex international and operational law issues. As majors they may serve as the operational law officers in legal service support sections. Majors and lieutenant colonels may serve as assistant staff judge advocates for joint commands.

(2) May serve in any other MOS 4402 or 9688 billet.

d. Related DOT Classification/DOT Code. Lawyer 110.107-010.

28. MOS 9684, Master of Environmental Law

a. Summary. Masters of environmental law provide specialized skill in technical areas of environmental and land use law.

b. Requirements/Prerequisites

(1) Must be a judge advocate (MOS 4402) with a Master of Law degree (LL.M.) in Environmental Law or Land Use Law from an American Bar Association accredited

program at a civilian institution, or a specialty program in Environmental Law from the graduate course at the Judge Advocate General's School, Army.

(2) Must possess the 4402 MOS and meet all qualifications thereunto pertaining.

c. Duties

(1) Judge advocates with a Master of Law degree in environmental or land use law serve in challenging billets requiring an understanding of complex statutory and regulatory environmental and land use law. As majors they may serve as counsel in the Eastern or Western Area Counsel Offices or in the Office of the Staff Judge Advocate for major installation. Majors and lieutenant colonels may serve as deputy counsel in an area office or for the Counsel to the Commandant of the Marine Corps.

(2) May serve in any other MOS 4402 or 9688 billet.

d. Related DOT Classification/DOT Code. Lawyer 110.107-010.

29. MOS 9685, Master of Labor Law

a. Summary. Masters of labor law provide specialized skill in technical areas of civilian personnel and labor law.

b. Requirements/Prerequisites

(1) Must be a judge advocate (MOS 4402) with a Master of Law degree (LL.M.) in Labor or Civilian Personnel Law from an American Bar Association accredited program at a civilian institution, or a specialty program in Labor Law from the graduate course at The Judge Advocate General's School, Army.

(2) Must possess the 4402 MOS and meet all qualifications thereunto pertaining.

c. Duties

(1) Judge advocates with a Master of Law degree in labor law serve in challenging billets requiring an understanding of complex statutory and regulatory civilian personnel law issues. As majors and lieutenant colonels they may serve as counsel in Eastern and Western Area Counsel Offices representing Marine Corps interests in administrative and judicial proceedings.

(2) May serve in any other MOS 4402 or 9688 billet.

d. Related DOT Classification/DOT Code. Lawyer 110.107-010.

30. MOS 9686, Master of Procurement Law

a. Summary. Masters of procurement or contract law provide specialized skill in complex areas of procurement, acquisition, and contract law.

b. Requirements/Prerequisites

(1) Judge advocates with a Master of Law Degree in procurement law from an American Bar Association accredited program at a civilian institution or a specialty program in Procurement Law from the graduate course at The Judge Advocate General's School, Army.

(2) Must possess the 4402 MOS and meet all qualifications thereunto pertaining.

c. Duties

(1) Judge advocates with a Master of Law Degree in procurement law provide the Marine Corps with an understanding of complex and arcane acquisition law issues. In addition to serving as counsel for the Marine Corps Systems Command, officers with this expertise are called upon to augment special staffs in an expeditionary environment.

(2) May serve in any other MOS 4402 or 9688 billet.

d. Related DOT Classification/DOT Code. Lawyer 110.107-010.

31. MOS 9687, Master of Criminal Law

a. Summary. Masters of criminal law provide specialized understanding in technical and constitutional areas of criminal law and the Uniform Code of Military Justice.

b. Requirements/Prerequisites

(1) Judge advocated with a Master of Law Degree in criminal law from an American Bar Association accredited program at a civilian institution or a specialty program in Criminal Law from the graduate course at The Judge Advocate General's School, Army.

(2) Must possess the 4402 MOS and meet all qualifications thereunto pertaining.

c. Duties

(1) Judge advocates with a Master of Law degree in criminal law serve in challenging billets requiring an expertise in military and criminal law issues. As majors they may serve as senior trial and defense counsel in legal service support sections or joint law centers. Majors and lieutenant colonels with this specialty may be assigned as special and general courts-martial judges.

(2) May serve in any other MOS 4402 or 9688 billet.

d. Related DOT Classification/DOT Code

(1) Lawyer 110.107-010.

(2) Judge 111-107-010.

32. MOS 9688, Master of Law (General)

a. Summary. Masters of administrative and civil law, military law, or other areas not recognized in the 968X series MOS provide specialized skill in a variety of civilian and military law areas.

b. Requirements/Prerequisites

(1) Must be a judge advocate (MOS 4402) with a Master of Law degree (LL.M.) from either the specialty program in Administrative and Civil Law or the general

studies Military Law program in the graduate course at The Judge Advocate General's School, Army or from an American Bar Association accredited program at a civilian institution not specifically recognized in the 968X Master of Law MOS.

(2) Must possess the 4402 MOS and meet all qualifications thereunto pertaining.

c. Duties

(1) Judge advocates with a Master of Law degree in administrative and civil law and military law serve in a wide variety of middle manager billets throughout the Marine Corps. As majors they provide senior judge advocates with a highly skilled officer prepared for duty as a deputy staff judge advocate or officer in charge of any section within an office involved in the practice of law.

(2) May serve in any other MOS 4402 billet.

d. Related DOT Classification/DOT Code. Lawyer 110.107-010.

1144. **OCCUPATIONAL FIELD 9700 and 9900, IDENTIFYING AND REPORTING MOSs**

MOS	TITLE
9701	Joint Specialty Officer Nominee
9702	Joint Specialty Officer
9802	Director/Assistant Director, The President's Own, U.S. Marine Band
9803	Staff Officer, The President's Own, U.S. Marine Band (II/III)
9805	U.S. Marine Drum and Bugle Corps Officer (II/III)
9815	Recruiting Officer (III)
9820	Billet Designator - Political Military Officer
9821	Regional Affairs Officer - Latin America
9822	Regional Affairs Officer - Former Soviet Union
9823	Regional Affairs Officer - Peoples Republic of China
9824	Regional Affairs Officer - Middle East/North Africa
9825	Regional Affairs Officer - Sub-Saharan Africa
9826	Regional Affairs Officer - Southwest Asia
9827	Regional Affairs Officer - Western Europe
9828	Regional Affairs Officer - Eastern Asia (Excluding Peoples Republic of China)
9829	Regional Affairs Officer - Eastern Europe (Excluding the Former Soviet Union)
9901	Basic Officer (I)
9903	General Officer (I)
9904	Colonel, Logistician (I)
9905	Special Assignment Officer
9906	Colonel, Ground (I)
9907	Colonel, Naval Aviator/Naval Flight Officer (I)
9910	Billet Designator - Unrestricted Officer
9911	Billet Designator - Unrestricted Ground Officer
9913	Special Services Officer
9914	Colonel, Judge Advocate (I)
9925	Range Officer (III)
9930	Billet Designator - Air Control/Antiair Warfare Officer
9933	Space Operations Staff Officer
9934	Information Operations Staff Officer
9935	Special Technical Operations (Officer)
9936	Substance Abuse Control Officer
9940	Basic Foreign Area Officer
9941	Foreign Area Officer, Latin America
9942	Foreign Area Officer, Former Soviet Union
9943	Foreign Area Officer, People's Republic of China (PRC)
9944	Foreign Area Officer, Middle East/North Africa
9945	Foreign Area Officer, Sub-Saharan Africa
9946	Foreign Area Officer, Southwest Asia
9947	Foreign Area Officer, Western Europe
9948	Foreign Area Officer, East Asia (Excluding PRC)
9949	Foreign Area Officer, Eastern Europe (Excluding Former Soviet Union)
9950	Combat Artist (Officer)
9952	Combatant Diver Qualified (Officer)
9953	Parachutist/Combatant Diver Qualified (Officer)
9954	Hazardous Material/Hazardous Waste (HM/HW) Officer
9955	Psychological Operations Officer
9956	Ground Safety Specialist (Officer)
9957	Acquisition Professional Candidate
9958	Acquisition Management Officer (AQMO)

9962 Parachutist (Officer)
9965 Billet Designator - Fixed Wing Pilot
9966 Billet Designator - Naval Flight Officer
9967 Billet Designator - Helicopter Pilot
9969 Billet Designator - Any Pilot/Naval Flight Officer
9973 Fixed-Wing Transport Aircraft Specialist, KC-130J (Officer)
9974 Vertical Takeoff Unmanned Aerial Vehicle Officer, VTUAV
9975 Information Computer Security Specialist
9976 Helicopter Officer, AH-1Z/UH-1Y
9977 Aerial Delivery Officer
9980 Surveillance Sensor Officer
9985 Information Management Officer
9986 Joint Terminal Attack Controller

1. MOS 9701, Joint Specialty Officer Nominee

a. Summary. Joint specialty officer (JSO) nominees are officers that do not fully qualify for the 9702 Joint MOS.

b. Requirements/Prerequisites

(1) Must be a senior captain or be serving in the grade of major or above.

(2) Complete Professional Joint Education (PJE) Phase I, or serve in a critical occupational specialty (COS), (0302, 0802, 1302, 1802, 72XX, or 75XX) on an initial joint duty assignment (JDA).

(3) Must be identified as a JSO by the Secretary of Defense.

c. Duties. The duties will be as prescribed and designated by the command or activity to which assigned.

d. Related DOT Classification/DOT Code. No civilian equivalent.

2. MOS 9702, Joint Specialty Officer (JSO)

a. Summary. Joint specialty officers (JSOs) are officers normally in the grade of major and above who have been awarded the JSO designation by the Secretary of Defense per Title IV of the Goldwater-Nichols Reorganization Act of 1986. This MOS appears in the special information block on the Master Brief Sheet, and in the future, it will also appear on the Basic Individual Record. This MOS will never appear as a primary or additional.

b. Requirements/Prerequisites

(1) The Joint MOS will be assigned only by the Commandant of the Marine Corps and will be used primarily for assignment purposes.

(2) Must be serving in the grade of major or above.

(3) After 1 October 1989, an officer must normally have completed PJE Phases I and II followed by a full JDA. COS Officers are exempt from this sequence requirement (PJE then JDA).

Note: During the transition period from 1 October 1986 until 1 October 1989, Title IV allowed some flexibility in qualifying officers for the JSO designation.

Officers awarded the JSO designation during this period had to meet less stringent requirements.

c. Duties. The duties will be as prescribed and designated by the command or activity to which assigned.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 9802, Director/Assistant Director, The President's Own, U.S. Marine Band

a. Summary. MOS 9802 is assigned to those officers designated by the Secretary of the Navy to command or assist in commanding "The President's Own" U.S. Marine Band in providing music and performing such other functions as are directed by the President of the United States and the Commandant of the Marine Corps.

b. Requirements/Prerequisites

(1) Recommendation of the Director, U.S. Marine Band.

(2) Designation by the Secretary of the Navy, pursuant to the provisions of Chapter 6222, Title 10, U.S. Code.

(3) Final top-secret security clearance with Category II White House access.

c. Duties

(1) Serves as Commanding officer of the U.S. Marine Band.

(2) Serves as musical advisor to the President of the United States, the White House, and the Commandant of the Marine Corps.

(3) Serves as principal conductor of the U.S. Marine Band and Whitehouse Chamber Orchestra and ensures professional quality musical performance, to include program selection and preparation.

(4) Ensures direct liaison is maintained with the Commanding Officer, Marine Barracks, and Washington, DC regarding U.S. Marine Band administrative and logistical matters.

(5) Ensures direct liaison is maintained with the White House for purposes of scheduling U.S. Marine Band presidential support commitments.

(6) Ensures direct liaison is maintained with the Director of Public Affairs, HQMC, regarding all U.S. Marine Band operational matters.

d. Related DOT Classification/DOT Code. Conductor, orchestra 152.047-014.

4. MOS 9803, Staff Officer, The President's Own, U.S. Marine Band (II/III)

a. Summary. MOS 9803 is assigned to those officers appointed to serve as the executive officer or operations officer of "The President's Own", United States Marine Band. These officers are permanently assigned to the U.S. Marine Band to assist the Director in the performance of his nonmusical duties and responsibilities.

b. Requirements/Prerequisites

(1) Recommendation of the Director, U.S. Marine Band.

(2) Final top-secret security clearance with Category II White House access.

c. Duties

(1) Executive Officer (II)

(a) Serves as chief administrator of the U.S. Marine Band and as primary counsel to the Director on Marine Corps matters.

(b) Coordinates and supervises the operation, maintenance and inventory of all U.S. Marine Band support staff sections.

(c) Maintains direct liaison with the Commanding Officer, Marine Barracks, Washington, DC, and appropriate staff agencies at HQMC regarding non-musical matters of the U.S. Marine Band.

(d) Functions as the U.S. Marine Band Supply, Fiscal and Training Officer.

(2) Operations Officer (III)

(a) Maintains direct liaison with the White House for purposes of scheduling all U.S. Marine Band presidential support commitments and requisite rehearsals.

(b) Maintains direct liaison with the Director of Public Affairs (PAB), HQMC, for the purpose of scheduling all U.S. Marine Band official commitments and requisite rehearsals not involving presidential support.

(c) Advises the Director on U.S. Marine Band operational matters.

(d) Directs the activities of the U.S. Marine Band operations office and stage crew.

(e) Manages the recruiting and security clearance program for MOS9811.

(f) Functions as the U.S. Marine Band Education and Safety Officer.

d. Related DOT Classification/DOT Code. Conductor, orchestra 152.047-014.

e. Related Military Skill. Music Officer 5502.

5. MOS 9805, U.S. Marine Drum & Bugle Corps Officer (II/III)

a. Summary. A drum and bugle corps officer manages, administers, and coordinates the musical performance, internal operations, training, and employment of "The Commandant's Own," The U.S. Marine Drum and Bugle Corps (D & B Corps). As commanding officer or executive officer of the D & B Corps Company, will discharge applicable company level duties and act as technical advisor to the Commanding Officer of Marine Barracks on all matters pertaining to the utilization of the Drum and Bugle Corps.

b. Requirements/Prerequisites

(1) Must have served as a member of the "The Commandant's Own," The United States Marine Drum and Bugle Corps.

(2) Must complete an audition/interview administered by the commanding officer, the U.S. Marine Drum and Bugle Corps and other designated senior personnel as directed by the commanding officer.

(3) Recommendations will be forwarded to CMC, via the Commanding Officer, Marine Barracks, Washington, DC, for review and consideration.

c. Duties

(1) Directs or conducts the U.S. Marine Drum and Bugle Corps at appearances of the unit throughout the U.S. and abroad.

(2) Supervises the selection, instruction and implementation of the overall musical and marching program of the unit.

(3) Conducts rehearsals and the overall instructional program of the brass and percussion ensembles to ensure compliance with established MOS standards.

(4) Supervises the overall audiovisual program of the unit. Responsible for establishing and maintaining a viable library of music, audio and visual recordings and materials so as to ensure performance standards are established, sustained, and chronicled for future review and evaluation.

(5) Responsible for the submission of budget requests for all organizational instruments, uniforms, equipment and accessories. Must ensure the proper utilization and safe keeping of same so as to ensure cost efficient management. Coordinates the submission of requests for Type II allowances for scheduled replacement of major instruments and equipment.

(6) Coordinates all appearances of the unit, both military and civilian. Adequate billeting, meals, transportation and scheduling will be coordinated with sponsoring agencies so as to ensure the professional support necessary is provided. Thorough knowledge of policies and procedures as it relates to the appearance of a military musical unit is required so that all existing regulations are complied with.

(7) As Company Commander or Executive Officer, must develop and implement a training program to ensure all Marine musicians are capable of assuming a defensive position to meet their secondary mission of augmenting Marine Barracks defense in a combat or national defense environment.

(8) Must possess thorough knowledge of and familiarization with the traditions and history of "The Commandant's Own," the U.S. Marine Drum and Bugle Corps. Must administer a program that will ensure that all activities of the unit are suitably recorded for posterity, thus ensuring the proud traditions of this unit are upheld and familiar to all who follow.

(9) In conjunction with Recruiting Branch, HQMC, develop and implement a recruiting program that will ensure that highly capable instrumentalists are auditioned and subsequently enlisted into the Marine Corps for duty with "The Commandant's Own," the Marine Drum and Bugle Corps.

(10) Must become familiar with all company level command and administrative duties so as to become capable of discharging it in a competent, thoroughly professional manner.

(11) Develop and administer a sound evaluation system which provides qualitative performance adjudication of all musicians assigned to the U.S. Marine Drum and Bugle Corps.

(12) While the ability to compose and/or arrange music is not a principal requirement, must possess comparable knowledge and experience so as to ensure the highest musical standards are met. Sound musical judgment and meticulous attention to performance exactness will be required in rehearsal and performance alike. Close supervision of those tasked with instructing the individual/sectional rehearsal of the unit is essential to the continuing growth and development of the unit as a whole.

d. Related DOT Classification/DOT Code. Conductor, Orchestra 152.047-014.

6. MOS 9815, Recruiting Officer (III)

a. Summary. Recruiting officers are experienced career recruiters who will serve to provide a foundation of recruiting expertise at the recruiting stations, districts, regions, and headquarters. They will serve in the billets outlined in MCO 1100.76.

b. Requirements/Prerequisites

(1) Must be a career recruiter (MOS 8412).

(2) Must have shown extreme proficiency as a recruiter.

(3) Must have displayed exemplary leadership and organizational skills.

(4) Complete the Recruiting Leadership Management Course (RMC).

c. Duties

(1) Marine Corps Recruiting Station:

(a) Compiles and analyzes monthly enlisted recruiting statistics.

(b) Coordinates all processing of applicants and shipping of recruits to recruit training.

(c) Monitors monthly enlisted recruiting quality indicators.

(d) Keeps the commanding officer advised on matters pertaining to the recruiting station's monthly mission attainment.

(2) Marine Corps District:

(a) Coordinates the training of all recruiting station recruiter instructors.

(b) Monitors the training of all recruiters in the district.

(c) Advises the commanding officer on all matters pertaining to the training of recruiters.

(d) Monitors the monthly-enlisted recruiting quality indicators.

(e) Keeps the commanding officer advised on all matters pertaining to the district's monthly enlisted recruiting quality statistics.

(f) Monitors the district's high school and community college program.

(3) Recruiting Region:

(a) Aids in coordinating the monthly mission attainment of the region.

(b) Serves as a point of contact concerning enlisted recruiting operations.

(c) Monitors the enlisted recruiting quality indicators for the region.

(d) Advises the AC/S Enlisted Recruiting on all matters pertaining to the region's monthly enlisted recruiting quality statistics.

(e) Aids in the formulation of annual mission goals for the region.

(f) Serves as the recruiting liaison to the Marine Corps Recruit Depot.

(g) Monitors quality indicators of Marines in recruit training.

(4) Headquarters, Marine Corps Recruiting Command:

(a) Aids in coordinating the national monthly mission attainment.

(b) Serves as a point of contact concerning enlisted recruiting operations.

(c) Monitors the national enlisted recruiting quality indicators.

(d) Advises the AC/S G-3 on all matters pertaining to the nation's monthly enlisted recruiting mission attainment.

(e) Assists in the development of a national training plan for enlisted recruiters.

(f) Monitors the conduct of recruiter training at both regions.

(g) Coordinates training conducted at the recruiters' school.

(h) Advises region and district personnel on enlisted recruiting training matters.

(i) Conducts training and assistance visits as required.

(j) Conducts training at the Recruiting Leadership Course, and the Executive Leadership Course.

d. Related DOT Classification/DOT Code. No civilian equivalent.

7. MOS 9820, Billet Designator - Political Military Officer

a. Summary. The Political Military Officer MOS is used to designate those billets requiring a degree of knowledge or experience in international affairs. Officers assigned to fill these billets may include, but are not limited to, Regional Affairs, International Relations Officers and or Foreign Affairs Officers.

b. Requirements/Prerequisites. This MOS is to be used as a billet designator in T/Os.

c. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

8. MOS 9821, Regional Affairs Officer - Latin America*

a. Summary. Regional affairs officers are officers who have extensive in-country experience in a designated region, but lack proficiency in a regional foreign language, at the minimum level of 2 on the DLPT, and therefore do not qualify as a foreign area officer. This MOS will only be assigned as a skill designator MOS. It will be assigned and voided only by the authority of HQMC. This MOS will be automatically voided on assignment of the foreign area officer skill designator MOS for the designated region.

b. Requirements/Prerequisites

(1) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(2) Must have travel experience in the designated region.

(3) Uses the knowledge of military forces, culture, history, sociology, economics, politics, and geography of selected areas of the world to perform duties as directed. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

c. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

9. MOS 9822, Regional Affairs Officer - Former Soviet Union*

a. Summary. Regional affairs officers are officers who have extensive in-country experience in a designated region, but lack proficiency in a regional foreign language, at the minimum level of 2 on the DLPT, and therefore do not qualify as a foreign area officer. This MOS will only be assigned a skill designator MOS. It will be assigned and voided only by the authority of HQMC. This MOS will be automatically voided on assignment of the foreign area officer skill designator MOS for the designated region.

b. Requirements/Prerequisites

(1) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(2) Must have travel experience in the designated region.

c. Duties. Uses the knowledge of military forces, culture, history, sociology, economics, politics, and geography of selected areas of the world to perform duties as directed. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

10. MOS 9823, Regional Affairs Officer - Peoples Republic of China*

a. Summary. Regional affairs officers are officers who have extensive in-country experience in a designated region, but lack proficiency in a regional foreign language, at the minimum level of 2 on the DLPT, and therefore do not qualify as a foreign area officer. This MOS will only be assigned as a skill designator MOS. It will be assigned and voided only by the authority of HQMC. This MOS will be automatically voided on assignment of the foreign area officer skill designator MOS for the designated region.

b. Requirements/Prerequisites

(1) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(2) Must have travel experience in the designated region.

c. Duties. Uses the knowledge of military forces, culture, history, sociology, economics, politics, and geography of selected areas of the world to perform duties as directed. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

11. MOS 9824, Regional Affairs Officer - Middle East/North Africa*

a. Summary. Regional affairs officers are officers who have extensive in-country experience in a designated region, but lack proficiency in a regional foreign language, at the minimum level of 2 on the DLPT, and therefore do not qualify as a foreign area officer. This MOS will only be assigned as a skill designator MOS. It will be assigned and voided only by the authority of HQMC. This MOS will be automatically voided on assignment of the foreign area officer skill designator MOS for the designated region.

b. Requirements/Prerequisites

(1) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(2) Must have travel experience in the designated region.

c. Duties. Uses the knowledge of military forces, culture, history, sociology, economics, politics, and geography of selected areas of the world to perform duties as directed. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

12. MOS 9825, Regional Affairs Officer - Sub-Saharan Africa*

a. Summary. Regional affairs officers are officers who have extensive in-country experience in a designated region, but lack proficiency in a regional foreign language, at the minimum level of 2 on the DLPT, and therefore do not qualify as a foreign area officer. This MOS will only be assigned as a skill designator MOS. It will be assigned and voided only by the authority of HQMC. This

MOS will be automatically voided on assignment of the foreign area officer skill designator MOS for the designated region.

b. Requirements/Prerequisites

(1) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(2) Must have travel experience in the designated region.

c. Duties. Uses the knowledge of military forces, culture, history, sociology, economics, politics, and geography of selected areas of the world to perform duties as directed. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

13. MOS 9826, Regional Affairs Officer - Southwest Asia*

a. Summary. Regional affairs officers are officers who have extensive in-country experience in a designated region, but lack proficiency in a regional foreign language, at the minimum level of 2 on the DLPT, and therefore do not qualify as a foreign area officer. This MOS will only be assigned as a skill designator MOS. It will be assigned and voided only by the authority of HQMC. This MOS will be automatically voided on assignment of the foreign area officer skill designator MOS for the designated region.

b. Requirements/Prerequisites

(1) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(2) Must have travel experience in the designated region.

c. Duties. Uses the knowledge of military forces, culture, history, sociology, economics, politics, and geography of selected areas of the world to perform duties as directed. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

14. MOS 9827, Regional Affairs Officer - Western Europe*

a. Summary. Regional affairs officers are officers who have extensive in-country experience in a designated region, but lack proficiency in a regional foreign language, at the minimum level of 2 on the DLPT, and therefore do not qualify as a foreign area officer. This MOS will only be assigned as a skill designator MOS. It will be assigned and voided only by the authority of HQMC. This MOS will be automatically voided on assignment of the foreign area officer skill designator MOS for the designated region.

b. Requirements/Prerequisites

(1) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(2) Must have travel experience in the designated region.

c. Duties. Uses the knowledge of military forces, culture, history, sociology, economics, politics, and geography of selected areas of the world to perform duties as directed. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

15. MOS 9828, Regional Affairs Officer - Eastern Asia (Excluding Peoples Republic of China)*

a. Summary. Regional affairs officers are officers who have extensive in-country experience in a designated region, but lack proficiency in a regional foreign language, at the minimum level of 2 on the DLPT, and therefore do not qualify as a foreign area officer. This MOS will only be assigned as a skill designator MOS. It will be assigned and voided only by the authority of HQMC. This MOS will be automatically voided on assignment of the foreign area officer skill designator MOS for the designated region.

b. Requirements/Prerequisites

(1) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(2) Must have travel experience in the designated region.

c. Duties. Uses the knowledge of military forces, culture, history, sociology, economics, politics, and geography of selected areas of the world to perform duties as directed. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

16. MOS 9829, Regional Affairs Officer - Eastern Europe (Excluding Former Soviet Union)*

a. Summary. Regional affairs officers are officers who have extensive in-country experience in a designated region, but lack proficiency in a regional foreign language, at the minimum level of 2 on the DLPT, and therefore do not qualify as a foreign area officer. This MOS will only be assigned as a skill designator MOS. It will be assigned and voided only by the authority of HQMC. This MOS will be automatically voided on assignment of the foreign area officer skill designator MOS for the designated region.

b. Requirements/Prerequisites

(1) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(2) Must have travel experience in the designated region.

c. Duties. Uses the knowledge of military forces, culture, history, sociology, economics, politics, and geography of selected areas of the world to perform duties as directed. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

17. MOS 9901, Basic Officer

a. Summary. Basic officers are officers that do not have military qualifications and experience developed to be sufficient or adequate for qualification in other MOSs.

b. Related DOT Classification. No civilian equivalent.

18. MOS 9903, General Officer (I)

a. Summary. General officers are officers in the grade of brigadier general and above. This title and MOS will also be used to identify general officer billets in T/Os.

b. Requirements/Prerequisites. Officers in the grade of brigadier general and above.

c. Related DOT Classification/DOT Code. No civilian equivalent.

19. MOS 9904, Colonel, Logistician (I)

a. Summary. Colonel, logisticians are logistics officers in the grade of colonel. This title and MOS will be used to identify colonel logistics billets in T/Os.

b. Requirements/Prerequisites

(1) Unrestricted officers holding a primary MOS from combat service support OccFld 04, 13, 30, 35, 60, or 66 will be assigned an MOS 9904 upon promotion to the grade of colonel.

(2) Unrestricted officers holding a primary MOS listed above that were promoted to colonel prior to FY86 and subsequently assigned a MOS other than 9904 can request redesignation to 9904 or hold current designation until attrition.

(3) Unrestricted officers, upon promotion to the grade of colonel, with logistic expertise, experience, and knowledge, and holding primary MOSs other than those listed above, may request assignment of MOS 9904. Request for assignment of MOS 9904 will be addressed to the CMC (M) and will be submitted for review by aboard convened by the CMC (L).

c. Related DOT Classification/DOT Code. No civilian equivalent.

20. MOS 9905, Special Assignment Officer

a. Special assignment officers regularly perform duties of a highly specialized nature that are not covered by any other MOS. It may be assigned as a skill designator MOS only, and such assignment will be for the period the special duties are actually performed.

b. Requirements/Prerequisites

(1) This MOS will be assigned to a billet or an officer only by the CMC (MM).

(2) Requests to assign this MOS will be addressed to the CMC (MM).

c. Related DOT Classification/DOT Code. No civilian equivalent.

21. MOS 9906, Colonel, Ground (I)

a. Summary. Colonel, ground are officers in the grade of colonel. This title and MOS will also be used to identify colonel ground billets in T/Os.

b. Requirements/Prerequisites. Unrestricted officers holding a primary MOS from OccFld 01, 02, 03, 08, 18, 25, 26, 34, 40, 43, 58, 72, or 73 will be assigned MOS 9906 upon promotion to the grade of colonel.

c. Related DOT Classification/DOT Code. No civilian equivalent.

22. MOS 9907, Colonel, Naval Aviator/Naval Flight Officer (I)

a. Summary. Colonel, naval aviator/naval flight officer are officers in the grade of colonel designated as NA/NFO. This title and MOS will also be used to identify colonel, NA/NFO billets in T/Os.

b. Requirements/Prerequisites. Unrestricted officers holding a primary MOS from OccFld 75 will be assigned MOS 9907 upon promotion to the grade of colonel.

c. Related DOT Classification/DOT Code. No civilian equivalent.

23. MOS 9910, Billet Designator - Unrestricted Officer

a. Summary. This MOS will be used in T/Os to designate a billet to which any unrestricted officer, ground or naval aviator, may be assigned but will not be assigned to an individual.

b. Requirements/Prerequisites. This MOS is to be used as a billet designator in T/Os.

c. Related DOT Classification/DOT Code. No civilian equivalent.

24. MOS 9911, Billet Designator - Unrestricted Ground Officer

a. Summary. This MOS will be used in T/Os to designate a billet to which any unrestricted ground officer may be assigned, but will not be assigned to an individual.

b. Requirements/Prerequisites. This MOS is to be used as a billet designator in T/Os.

c. Related DOT Classification/DOT Code. No civilian equivalent.

25. MOS 9913, Special Services Officer*

a. Summary. Special services officers perform duties as special services officers and/or custodians of recreation funds. This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites. The officer must have successfully completed a minimum of 1 year in a special services officer or recreation fund custodian billet that included the management/supervision of a recreation fund.

c. Duties

(1) Supervises and coordinates special services activities involved with command morale, welfare, and recreation programs.

(2) Advises the commander on the organization and conduct of all special services programs and related athletic and recreational matters.

(3) Develops and administers an active program of special services activities involving organized entertainment and social activities; varsity, intramural and self-directed athletics; and off-duty hobbies and diversions for personnel of the command.

(4) Maintains liaison with other military commands and members of the civilian community for more effective and comprehensive recreation programs.

(5) Supervises the administration of the recreation fund by the designated custodian.

(6) Maintains annual non-appropriated and appropriated fund operational budgets to support planned programs and activities.

(7) Supervises the preparation of and ensures timely submission of all required reports concerning special services activities and funds.

(8) Maintains a 5-year long-range integrated construction and improvement plan to provide for funding and development of new facilities to meet existing and future needs.

(9) Supervises the procurement, accountability, maintenance, and disposition of equipment and property required throughout the special services program.

(10) Provides assistance to organizational special services officers as required.

(11) Provides the Recreation Council and the Enlisted Recreation Committee with technical assistance and advice as required, as a member of the council.

d. Related DOT Classification/DOT Code

(1) Superintendent, Recreation 187.117-054.

(2) Manager, Recreation Establishment 187.117-042.

26. MOS 9914, Colonel, Judge Advocate (I)

a. Summary. Judge advocates coordinate and perform legal and incidental administrative services of a command, base, station, division, MAW, FMF, or amphibious force; or may act as military judge in general and special courts-martial; or as an appellate military judge.

b. Requirements/Prerequisites

(1) Must be an officer in the grade of colonel that has obtained a juris doctorate or bachelor of laws degree from an American Bar Association accredited law school, completed the Basic Lawyer Course at the Naval Justice School, and is a

member in good standing of a federal bar, or of the highest court of a state or the District of Columbia.

(2) Must be certified as a Judge Advocate by the Judge Advocate General of the Navy in accordance with SECNAVINST 1120.9A.

c. Duties. This officer serves as the principal assistant and legal advisor (staff judge advocates) to a commander exercising general courts-martial authority and is responsible to the command; supervises the operation of the Office of the Staff Judge Advocate of the command or of a law center, which services all commands in a geographic area; or serves as a military judge in general and special courts-martial; or as an appellate military judge.

d. Related DOT Classification/DOT Code. Lawyer 110.107-010.

27. MOS 9925, Range Officer (III)

a. Summary. Range officers supervise marksmanship training programs with small arms and infantry crew-served weapons to include preparation of syllabi and schedules, and obtaining and allocating ranges. Obtain and allocate training aids and devices, and arrange logistic support for the program being conducted. Emphasis is on the continuing review and implementation of entry level and sustainment small arms training for all Marines. Range officers are responsible for conduct of Marine Corps marksmanship training programs. They also develop marksmanship training doctrine and techniques. As range officers advance in grade, billet descriptions will include: range control/range management; new systems acquisition; research and development of new weapons, ammunition and targetry; and marksmanship doctrinal development responsibilities. Range officers are normally assigned as marksmanship training officers and officers-in-charge of small arms competition teams at the post/station level and the Marine Corps shooting teams.

b. Requirements/Prerequisites

(1) Must have completed the prescribed MOS doctrinal training course and served a minimum of 12 months in one or more of the following Moss: 8531 or 8532.

(2) Complete the Range Officer Course conducted at Weapons Training Battalion, MCCDC, Quantico, VA.

(3) Complete a Range Safety Course conducted by TRADOC, Range Safety, Ft Eustis, VA.

c. Duties

(1) Plans layout of training and firing ranges to provide optimum use of terrain and areas available in consideration of factors, such as firing points, impact areas, surface danger zones (SDZ), safety limits, range communication, systems for barriers, warning signals and signs, and storage spaces for ammunition, weapons, and training support equipment.

(2) Organizes and conducts courses of instruction for range coach, marksmanship instructor, and range operating personnel.

(3) Interprets and enforces regulations, applying pertinent regulations to the area and weapons involved and the type training being conducted.

(4) Plans and supervises procedures to evaluate marksmanship skill and performance by individuals and teams, appropriate to the purpose of the firing being conducted and the ranges available.

(5) Ensures that qualification/requalification training is conducted following the existing regulations, and that appropriate records are maintained.

(6) Maintains familiarity with targets, target material, firing and training courses, and applies existing courses to the ranges and materials available.

(7) Adapts and devises courses and materials as field expedients when necessary to provide for realistic marksmanship familiarization, training, and evaluation, appropriate to the organization training mission and environment.

(8) Supervises and conducts inspections and checks of small arms weapons and ammunition to determine that weapons to be fired meet serviceability criteria set forth in existing directives and that ammunition to be used for qualification/ requalification and firing practice is selected per pertinent directives.

(9) Supervises test fire of weapons and ammunition to determine accuracy and serviceability.

(10) Maintains familiarity with military and National Rifle Association and Civilian Marksmanship Program rules, regulations, and procedures for rifle and pistol competitive matches with emphasis on the Marine Corps Competition-in-Arms Program.

(11) Plans, organizes, and conducts competitive matches and maintains liaison with local gun clubs.

(12) Develops, implements and maintains doctrinal publications and courseware material for all Marine Corps Marksmanship Programs.

(13) Plans and operates range complexes to include range control, range scheduling and range management billets.

d. Related DOT Classification/DOT Code. No civilian equivalent.

28. MOS 9930, Billet Designator - Air Control/Anti-Air Warfare Officer

a. Summary. Air Control/Anti-Air warfare officers direct or assist in directing air support, air control, or antiaircraft missile units. Supervise and coordinate air support, air control, and antiair warfare functions.

b. Requirements/Prerequisites. This MOS will be used in T/Os to designate a billet that may be satisfied by an officer possessing MOS 7202, 7204, 7208, 7210, or 7320, but will not be assigned to an individual.

c. Duties.

(1) Directs the tactical employment of air support, air control, or antiaircraft missile units.

(2) Evaluates information and intelligence, makes estimates of the situation, and formulates and executes plans of action.

(3) Directs control of aircraft in intercept of hostile aircraft and coordinates antiaircraft missile unit's fire with other missile units and with designated air control units.

(4) Advises commanders of ground and aircraft units of employment of air support, air control, and antiaircraft facilities.

(5) Selects sites, directs the construction of protected positions and the establishment and maintenance of communications.

(6) Performs liaison to ensure achievement of effective air support, air control, and antiair warfare.

d. Related DOT Classification/DOT Code. No civilian equivalent.

29. MOS 9933, Space Operations Staff Officer*

a. Summary. Space operations staff officers are officers who develop requirements for space systems; make recommendations to decision makers in space systems acquisition management; conduct space application training; and/or participate in space operations planning. This MOS is to be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must be eligible for access to Sensitive Compartmented Information (SCI) predicated on a Single Scope Background Investigation (SSBI).

(2) Complete an approved course of study, of at least two-week duration, such as the Inter-service Space Intelligence Operations Course (ISIOC) or the Advanced Space Operations Course (ASOC). Such courses must cover all aspects of space related capabilities and their military employment. Upon completion of the course of study, the officer will be prepared to advise commanders in the employment of space capabilities.

(3) At least six months must be spent serving in a space operations related billet, performing space related functions as the primary duty.

(4) On-the-job training that emphasizes the integration of joint and national space capabilities into Marine Corps plans, and programs of operations.

c. Duties

(1) Participates in the development of the space operations annex to operations plans for all operations, contingencies and exercise.

(2) Integrates space-based capabilities into Marine Corps operations.

(3) Develops Marine Corps requirements for future space systems.

(4) Develops Marine Corps policy on space consistent with DoD policy.

(5) Develops USMC operational concepts for the employment of space capabilities that support the Marine Corps Expeditionary Maneuver Warfare captions concept.

d. Related DOT Classification/DOT Code. No civilian equivalent.

30. MOS 9934, Information Operations Staff Officer

a. Summary. Information operations staff officers plan and advise commanders in the conduct and development of strategy policy and doctrine as full spectrum Information Operations (IO).

b. Requirements/Prerequisites

(1) Must be eligible for access to Sensitive Compartmented Information (SCI), predicated on a Single Scope Background Investigation (SSBI).

(2) Complete an approved course of study of at least two weeks duration such as the Joint Forces Staff College, Joint Information Warfare Staff and Operations Course (J1WSOC). Course must cover all core, supporting and related functions of IO and their synergistic interactions. The graduating IW officer will be prepared to plan IO as well as advise commanders in the conduct of IO.

(3) At least six months must be spent serving in an IO billet, performing IO functions as the primary duty. This on-the-job training provides essential supplemental experience. On-the-job training will go beyond what is required to perform the officer's daily duties. The training must include elements of education that provides the officer a well-rounded background in all core, supporting and related functions of IO and their synergistic interactions.

c. Duties

(1) Develops IO plans and IO annexes to operations plans for all operations, contingencies and exercises.

(2) Advises the commanding and operations officer on the conduct of IO in order to provide continuous IO engagement across the spectrum of operations from peace to war.

(3) Develops strategy for the future of USMC IO including all core, supporting and related functions.

(4) Develops USMC policy on IO consistent with DoD policy. Provides USMC input to DoD policy development.

(5) Develops USMC doctrine on IO consistent with USMC policy on IO.

d. Related DOT Classification/DOT Code. No civilian equivalent.

31. MOS 9935, Special Technical Operations (Officer)

a. Summary. Special technical operations officers perform duties as necessary/directed.

b. Requirements/Prerequisites

(1) This MOS will identify officers who have been designated as special technical operations qualified by the Organization of the Joint Chiefs of Staff (OJCS).

(2) This MOS will be assigned only as an additional MOS.

c. Duties. The duties and tasks will be as prescribed and designated by the OJCS.

d. Related DOT Classification/DOT Code. No civilian equivalent.

32. MOS 9936, Substance Abuse Control Officer*

a. Substance abuse control officers provide substance abuse education/ prevention, urinalysis screening and assistance to the commander on substance abuse related matters. This MOS will be assigned only as a skill designator MOS. Authority to issue this additional MOS will remain with the local command delegated tithe unit level.

b. Requirements/Prerequisites

(1) Six-months experience in a full-time or additional duty substance abuse prevention billet.

(2) Completion of the Unit Substance Abuse Program Management Course.

c. Duties. The duties and tasks will be as prescribed and designated in the current edition of MCO P5300.12_.

d. Related DOT Classification/DOT Code. Alcohol and Drug Abuse Assistance Program Administrator 195.167-042.

33. MOS 9940, Basic Foreign Area Officer*

a. Summary. Basic foreign area officers are officers participating in Phase I or Phase II of the Foreign Area Officer (FAO) study program, leading to the designation as a FAO for a specific region. This MOS may be assigned only as a skill designator MOS. It will be assigned and voided only by authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Selected to attend basic language training at the Defense Language Institute/Foreign Language Center, Monterey, CA, (Phase I) and designated overseas training (Phase II).

(2) At the end of Phase I, complete the Defense Language Proficiency Test (DLPT) with a minimum score of Level 2 in all tested areas.

(3) Must be eligible for access to sensitive compartmented information (SCI), based on a single scope background investigation (SSBI).

(4) Must maintain a minimum tested language capability in a designated language, in accordance with current regulations.

c. Duties. Uses the language and knowledge of military forces, culture, history, sociology, economics, politics, and geography of selected areas of the world to perform duties as directed. Performs in high-level Marine Corps/joint/ combined staffs in operations, planning, or intelligence billets or within the Defense Attaché System.

d. Related DOT Classification. Foreign Service Officer 188.117-106.

34. MOS 9941, Foreign Area Officer-Latin America*

a. Summary. Foreign area officers are officers who are proficient in a foreign language and who have extensive in-country experience in a designated region. This MOS may be assigned only as a skill designator MOS. It will be assigned and voided only by the authority of HQMC.

b. Requirements/Prerequisites

(1) Demonstrate proficiency in a foreign language by scoring annually a minimum of level 2 in all tested areas of the DLPT.

(2) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(3) Must have broad travel experience in the designated region.

c. Duties. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

35. MOS 9942, Foreign Area Officer-Former Soviet Union*

a. Summary. Foreign area officers are officers who are proficient in a foreign language and who have extensive in-country experience in a designated region. This MOS may be assigned only as a skill designator MOS. It will be assigned and voided only by the authority of HQMC.

b. Requirements/Prerequisites

(1) Demonstrate proficiency in a foreign language by scoring annually a minimum of level 2 in all tested areas of the DLPT.

(2) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(3) Must have broad travel experience in the designated region.

c. Duties. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/Foreign Service Officer 188.117-106.

36. MOS 9943, Foreign Area Officer-Peoples Republic of China*

a. Summary. Foreign area officers are officers who are proficient in a foreign language and who have extensive in-country experience in designated region. This MOS may be assigned only as a skill designator MOS. It will be assigned and voided only by the authority of HQMC.

b. Requirements/Prerequisites

(1) Demonstrate proficiency in a foreign language by scoring annually a minimum of level 2 in all tested areas of the DLPT.

(2) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(3) Must have broad travel experience in the designated region.

c. Duties. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

37. MOS 9944, Foreign Area Officer-Middle East/North Africa*

a. Summary. Foreign area officers are officers who are proficient in a foreign language and who have extensive in-country experience in designated region. This MOS may be assigned only as a skill designator MOS. It will be assigned and voided only by the authority of HQMC.

b. Requirements/Prerequisites

(1) Demonstrate proficiency in a foreign language by scoring annually a minimum of level 2 in all tested areas of the DLPT.

(2) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(3) Must have broad travel experience in the designated region.

c. Duties. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

38. MOS 9945, Foreign Area Officer-Sub-Saharan Africa

a. Summary. Foreign area officers are officers who are proficient in a foreign language and who have extensive in-country experience in a designated region. This MOS may be assigned only as a skill designator MOS. It will be assigned and voided only by the authority of HQMC.

b. Requirements/Prerequisites

(1) Demonstrate proficiency in a foreign language by scoring annually a minimum of level 2 in all tested areas of the DLPT.

(2) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(3) Must have broad travel experience in the designated region.

c. Duties. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

39. MOS 9946, Foreign Area Officer-Southwest Asia*

a. Summary. Foreign area officers are officers who are proficient in a foreign language and who have extensive in-country experience in a designated region. This MOS may be assigned only as a skill designator MOS. It will be assigned and voided only by the authority of HQMC.

b. Requirements/Prerequisites

(1) Demonstrate proficiency in a foreign language by scoring annually a minimum of level 2 in all tested areas of the DLPT.

(2) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(3) Must have broad travel experience in the designated region.

c. Duties. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

40. MOS 9947, Foreign Area Officer-Western Europe*

a. Summary. Foreign area officers are officers who are proficient in a foreign language and who have extensive in-country experience in a designated region. This MOS may be assigned as a skill designator MOS only. It will be assigned and voided only by the authority of HQMC.

b. Requirements/Prerequisites

(1) Demonstrate proficiency in a foreign language by scoring annually a minimum of level 2 in all tested areas of the DLPT.

(2) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(3) Must have broad travel experience in the designated region.

c. Duties. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

41. MOS 9948, Foreign Area Officer-East Asia (Excluding Peoples Republic of China)*

a. Summary. Foreign area officers are officers who are proficient in a foreign language and who have extensive in-country experience in a designated region. This MOS may be assigned only as a skill designator MOS. It will be assigned and voided only by the authority of HQMC.

b. Requirements/Prerequisites

(1) Demonstrate proficiency in a foreign language by scoring annually a minimum of level 2 in all tested areas of the DLPT.

(2) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(3) Must have broad travel experience in the designated region.

c. Duties. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

42. MOS 9949, Foreign Area Officer-Eastern Europe (Excluding Former Soviet Union)*

a. Summary. Foreign area officers are officers who are proficient in a foreign language and who have extensive in-country experience in a designated region. This MOS may be assigned only as a skill designator MOS. It will be assigned and voided only by the authority of HQMC.

b. Requirements/Prerequisites

(1) Demonstrate proficiency in a foreign language by scoring annually a minimum of level 2 in all tested areas of the DLPT.

(2) Display extensive knowledge of a designated region to include military forces, culture, history, sociology, economics, politics, and geography.

(3) Must have broad travel experience in the designated region.

c. Duties. Performs in FMF/joint/combined staffs in operations, planning, and intelligence billets.

d. Related DOT Classification/DOT Code. Foreign Service Officer 188.117-106.

43. MOS 9950, Combat Artist (Officer)

a. Summary. Combat artist officers create training and/or combat art; supervise and coordinate the production, collection, exhibition, and reproduction of combat art; and advise the commander and staff on combat art matters.

b. Requirements/Prerequisites

(1) Must submit a portfolio of previous work and brief resume to the CMC (HD).

(2) Must be interviewed by the CMC (HD).

(3) Complete a combat art assignment as directed by the CMC (HD).

c. Duties

(1) Creates works of art in one or more visual arts media, or supervises personnel involved in the creation of such art.

(2) Prepares exhibitions and coordinates reproduction of visual arts for public presentation.

(3) Supervises or coordinates the assembly and maintenance of a combat art collection, including identification, records, preparation, and storage.

(4) Supervises the training of combat artists.

d. Related DOT Classification/DOT Code

(1) Illustrator 141.061-022.

(2) Art Director 141.031-010.

44. MOS 9952, Combatant Diver Qualified (Officer)

a. Summary. Combatant divers are Marine officers that are trained to use combatant diver equipment. This title and MOS will also be used to identify Marine officer billets in T/Os.

b. Requirements/Prerequisites

(1) Complete the MCCDC approved Combatant Diver Qualification Course.

(2) Must maintain physical fitness standards specified by COMNAVMEDCOM.

c. Duties. Employs combatant diving equipment to conduct underwater entry into the objective area to accomplish missions appropriate to billet assigned.

d. Related DOT Classification/DOT Code

(1) Combatant Diver 379.384-010.

(2) Diver 899.261-010.

45. MOS 9953, Parachutist/Combatant Diver Qualified (Officer)

a. Summary. Parachutist/Combatant diver Marine officers are officers that are parachute and combatant diver qualified. This title and MOS will be used to identify parachutist/combatant Marine officer billets in T/Os.

b. Requirements/Prerequisites

(1) Complete a MCCDC approved Parachute and Combatant Diver Qualification Course.

(2) Must maintain physical fitness standards specified by COMNAVMEDCOM.

c. Duties. Employs combatant diving equipment to conduct underwater entry into the objective area to accomplish missions appropriate to the billet assigned; utilizes the parachute as a means of entry into the objective area to accomplish missions appropriate to the billet assigned.

d. Related DOT Classification/DOT Code. No civilian equivalent.

46. MOS 9954, Hazardous Material/Hazardous Waste (HM/HW) Officer*

a. Summary. Hazardous material/hazardous waste (HM/HW) officers manage numerous aspects of the unit HM/HW program. The primary areas of focus are: distinguishing HM from HW; implementing Hazard Communication Training Programs; monitoring HM inventory control procedures; maximizing source reduction; and monitoring HW streams, proper storage, and prescribed disposal practices. HM/HW officers will also supervise unit operations to ensure compliance with environmental

regulations, and maintain the unit's emergency response equipment and procedures. In some cases, the HM/HW officer will serve as the command representative for environmental issues, and develop unit level operating budget inputs. The MOS may be assigned only as a skill designator MOS by the CMC (MM) upon a request from the individual or MOS sponsor.

b. Requirements/Prerequisites

(1) Successful completion of an HQMC approved formal school(s) or HQMC approved base/installation course(s) of instruction that addresses the duties specified below and provides fundamental information on the safe and proper management of HM/HW and associated facilities in accordance with applicable federal, Department of Defense (DoD), Department of Navy (DON), and Marine Corps requirements.

(2) MOS 9954 qualifying courses must appropriately address the following requirements to include, but not limited to:

(a) The Resource Conservation and Recovery Act regulations 40 CFR 122, 262, 264, 265, and 279.

(b) Hazardous Material Transportation Uniform Safety Act of 1990 regulations in 49 CFR 172.704(a)(1) and 172.704(a)(3).

(c) Occupational Health and Safety Administration's (OSHA) first responder operations level emergency response training as prescribed by 29 CFR 1910 120(q)(6)(ii).

(d) OSHA Hazard Communication Standard as specified by 29 CFR 1900.1200.

(3) At least 18 months remaining on current EOS.

(4) Must possess normal color vision.

(5) Continued validity of MOS is contingent upon the Marine Corps maintaining full compliance with all federal, state, and local refresher training requirements.

c. Duties

(1) Distinguishes Hazardous Material (HM) from Hazardous Waste (HW).

(2) Supervises operation of unit level HW site.

(3) Develops/Ensures maintenance of desktop procedures and turnover folders.

(4) Supervises and validates the maintenance of unit environmental training records.

(5) Conducts and participates in applicable multimedia environmental inspections, audits, and evaluations.

(6) Supervises and maintains unit level inspection records and required follow-on corrective actions.

(7) Monitors maintenance of unit level environmental publications library.

(8) Directs the unit level Hazardous Communication Program.

(9) Develops and implements the unit level spill contingency plan(s).

(10) Tracks and consolidates unit level HW disposal costs.

(11) Identifies unit level environmental operations budget requirements.

(12) Identifies environmental training needs and associated budget requirements.

(13) Ensures HM/HW transportation requirements are in compliance with local directives.

(14) Develops and sponsors environmental standard operating procedures, letters of instruction, and operations orders for field operations at the unit level for tactical and garrison operations.

(15) Conducts unit level environmental briefings.

(16) Serves as the unit point of contact for applicable environmental issues.

(17) Promotes pollution prevention.

d. Related DOT Classification/DOT Code. No civilian equivalent.

#Above the rank of Captain the Marine officer performing duties associated with MOS 9954 should pursue training and education opportunities beyond the scope of this MOS. Review of MOS 9631, Environmental Engineer requirements is recommended.

47. MOS 9955, Psychological Operations Officer*

a. Summary. Psychological operations officers formulate plans and policies and coordinate and supervise functions pertaining to psychological operations. This MOS will only be assigned as a skill designator MOS by the CMC (MM) to unrestricted line officers.

b. Requirements/Prerequisites. Completion of a military psychological operations course and a minimum of 6 months experience in a psychological operations officer billet are preferred, but not mandatory, qualifications.

c. Duties. Advises the commander on matters pertaining to psychological operations; prepares psychological operations plans; coordinates psychological operations activities with other military and civilian agencies; analyzes target audiences and evaluates effects of psychological operations; and knows techniques and methodology of psychological operations.

d. Related DOT Classification/DOT Code. No civilian equivalent.

48. MOS 9956, Ground Safety Specialist (Officer)

a. Summary. Ground safety specialists are Marine officers or enlisted, trained and able to manage or assist in the operation of the Marine Corps Ground Safety Program in compliance with the Code of Federal Regulations.

b. Requirements/Prerequisites. Complete HQMC (SD) approved ground safety course or school.

c. Duties

(1) Plans and directs, or assists in, the Accident Prevention Program of the command.

(2) Maintains safety directives and accident reports.

(3) Investigates accidents and conducts periodic safety inspections.

(4) Provides safety indoctrination and education for the command and obtains and maintains safety equipment and material.

(5) Advises and assists in the organization and implementation of a complete vehicle safety program for both Government and private motor vehicle operation.

(6) Monitors compliance with the Occupational Safety and Health Administration (OSHA) requirements.

(7) Conducts Operational Risk Management (ORM) assessments.

(8) Applies hazard control fundamentals and techniques.

(9) Maintains the Industrial Hygiene Program.

(10) Supervises the Hazardous Materials, Waste, and Pollution Prevention Programs.

d. Related DOT Classification/DOT Code

(1) Safety Manager 012.167-058.

(2) Safety Inspector 168.264-014.

49. MOS 9957, Acquisition Professional Candidate*

a. Summary. Acquisition professional candidates are members of the acquisition work force. They assist in planning, directing, coordinating, and supervising specific functional areas that pertain to the acquisition of equipment/weapons. This MOS will be assigned only as a skill designator MOS.

b. Requirements/Prerequisites

(1) Will be automatically assigned to members of the acquisition workforce who have completed a successful tour of two years in length in an acquisition billet.

(2) May apply for the MOS after accumulating two years of acquisition experience from duties performed while assigned to an officially designated acquisition billet.

(3) Must possess a secret security clearance.

c. Duties. The acquisition professional candidate participates as an associate project officer primarily assigned to provide expertise to acquisition

management officers in highly technical functional areas that pertain to the acquisition of equipment and weapon systems. The responsibilities may range from providing assistance in the areas of project initiation, systems development, systems engineering, test and evaluation management, integrated logistics support management, systems manpower and training requirements, life-cycle system support management, etc., to the management of project technical data and documentation.

d. Related DOT Classification/DOT Code. Operations-Research Analyst 020.067-018.

50. MOS 9958, Acquisition Management Officer (AQMO) (I)*

a. Summary. Assignment of the MOS identifies completion of statutory requirements for acceptance into the Department of Navy Acquisition Professional Community. Acquisition Management Officers are an integral part of the acquisition program that is designed to develop highly qualified unrestricted officers through education, training, and experience to succeed as acquisition management officers. The acquisition management officers plan, direct, coordinate, and supervise in either specific functional areas or in the total life cycle planning and acquisition of equipment/weapon systems. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must be a major select or higher.

(2) Must have an outstanding performance record.

(3) Must possess a secret security clearance.

(4) Must have a Baccalaureate degree from an accredited educational institution.

(5) Must have four years experience in designated acquisition position within DoD or in comparable position in industry or Government. Up to 12 months of training or education in acquisition may be counted toward fulfilling this standard (i.e., baccalaureate degree in business management equates to one year of acquisition experience.

(6) Must have completed 24 semester credit hours (or equivalent) from an accredited institution of higher education from among accounting, business finance, law, contracting, purchasing, economics, industrial management, marketing, quantitative methods, and organization and management or completion of 24 semester credit hours in an individual's primary career field and 12 semester credit hours from among the disciplines listed above.

(7) Must have completed at least Level II training for the appropriate career field. Acquisition training requirements are contained in DoD 5000.52-M (Acquisition Career Development Program) with annual updates listed in the Defense Acquisition University catalog.

c. Duties. The acquisition management officer may be assigned to a Program Office to participate in an acquisition specific functional area, as a project manager, staff officer, or project officer assigned responsibility for management of equipment or weapon systems acquisitions. The responsibilities may include all or part of the following tasks: program initiation, justification, and validation; cost analysis and estimation; system development project management; systems

engineering management; test and evaluation management; integrated logistics support management; manpower and training systems management; life-cycle system support management; program financial management; provide planning, programming, and budgeting system support to acquisition program and appropriate USMC/USN appropriation sponsors; and program technical data and documentation management.

d. Related DOT Classification/DOT Code. Operations Research Analyst 020.067-018.

51. MOS 9962, Parachutist Officer

a. Summary. Parachutists are trained and equipped Marine officers, able to parachute from an aircraft.

b. Requirements/Prerequisites

(1) Complete the Basic Airborne Course, U.S. Army Infantry School, Ft Benning, GA.

(2) Must pass physical and maintain physical fitness standards specified by COMNAVMEDCOM.

c. Duties. Utilizes the parachute as a means of entry into the objective area to accomplish missions appropriate to billet assigned.

d. Related DOT Classification/DOT Code. Parachutist 159.347-018.

52. MOS 9965, Billet Designator - Fixed-Wing Pilot

a. Summary. This MOS will be used in T/Os to designate a billet to which a Fixed-Wing Pilot may be assigned but will not be assigned to an individual.

b. Requirements/Prerequisites. This MOS is to be used as a billet designator in T/Os.

c. Related DOT Classification/DOT Code. No civilian equivalent.

53. MOS 9966, Billet Designator - Naval Flight Officer

a. Summary. This MOS will be used in T/Os to designate a billet to which a naval flight officer may be assigned but will not be assigned to an individual.

b. Requirements/Prerequisites. This MOS is to be used as a billet designator in T/Os.

c. Related DOT Classification/DOT Code. No civilian equivalent.

54. MOS 9967, Billet Designator - Helicopter Pilot

a. Summary. This MOS will be used in T/Os to designate a billet to which a helicopter pilot may be assigned but will not be assigned to an individual.

b. Requirements/Prerequisites. This MOS is to be used as a billet designator in T/Os.

c. Related DOT Classification/DOT Code. No civilian equivalent.

55. MOS 9969, Billet Designator - Any Pilot/Naval Flight Officer

a. Summary. This MOS will be used in T/Os to designate a billet to which any pilot/naval flight officer may be assigned but will not be assigned to an individual.

b. Requirements/Prerequisites. This MOS is to be used as a billet designator in T/Os.

c. Related DOT Classification/DOT Code. No civilian equivalent.

56. MOS 9973, Fixed-Wing Transport Aircraft Specialist, KC-130J (Officer)*

a. Summary. This is a temporary skill designator to identify pilot and aircrew training during the introduction of the KC-130J aircraft. This MOS will also identify enlisted maintenance and aircrew members for the KC-130J. Specific officer and enlisted primary MOSs will be designated after sufficient aircraft fielding increases.

b. Requirements/Prerequisites

(a) This MOS will be assigned only to officers already holding MOS 7556 or 7557.

(b) Must complete the appropriate KC-130J contractor supplied or USMC/USN training.

c. Duties. Duties will be those listed under MOS 7556 and 7557, and also in MCO P3500.15C, Training and Readiness Manual (T&R) Vol II Ch 6for KC-130.

d. Related DOT Classification/DOT Code. Airplane Pilot, Commercial 196.263-014.

57. MOS 9974, Vertical Takeoff Unmanned Aerial Vehicle Officer, VTUAV*

a. Summary. Ground maintenance technicians and air vehicle operators are responsible for performing duties incident to the maintenance and operation of Marine VTUAV aircraft. This MOS will be assigned as a skill designator MOS only to qualified UAV Maintenance Technicians and Air Vehicle Operators holding 6214, 6314, 7314, 7315, and 7316 MOSs.

b. Requirements/Prerequisites

(1) Meet all requirements/prerequisites for the primary UAV MOS.

(2) Complete the appropriate formal school at NAMTRAGRUDET, Whiting Field, Milton, FL, or complete an equivalent OMA Contractors Maintenance/Air Vehicle Operators Course for the appropriate MOS.

(3) Complete the Maintenance Training Management and Evaluation Programs (MATMEP) level II asterisk items for the appropriate MOS. The level II asterisk items are the mandatory "Training Tasks" contained in the formal school training tracks.

(4) Air vehicles operators must complete all requirements contained in the appropriate NATOPS Manual or syllabi peculiar to the VTUAV aircraft.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.16, Aviation Training and Readiness (T&R) Manual, and MCO P4790.12B, Maintenance Training Management and Evaluation Programs (MATMEP) for the appropriate MOS.

58. MOS 9975, Information Computer Security Specialist (Officer)

a. Summary. Information computer security specialists perform technical analysis on computer security procedures including personnel, physical security, communications, emanations, hardware, software, and data. Information computer security specialists enforce security requirements for protecting data against unauthorized, accidental or deliberate, modification, disclosure, denial, and destruction. This MOS is to be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Complete formal training related to computer security, including general computer security, Privacy Act of 1974, information security, physical security, communications security, and hardware and software security techniques.

(2) Must have knowledge and understanding of directives, instructions, plans, guidance, and operating procedures relating to the Marine Corps computer security program.

c. Duties

(1) Must possess a secret security clearance.

(2) Acts as the focal point for information and computer security matters within the functional and end-user organization.

(3) Prepares and analyzes violation reports on security violations reported within the functional and end-user organizations.

(4) Prepares and maintains computer security documentation in support of system accreditations and other regulatory and operational requirements.

(5) Prepares reports upon serious security incidents and refers them to the appropriate authority for action.

(6) Ensures that only those individuals with need-to-know are granted access to information resources.

(7) Maintains liaison with supporting ADP facility and users to monitor compliance with applicable security requirements.

(8) Coordinates the maintenance and testing of contingency and backup plans that support the functional and end-user organization.

(9) Promotes security awareness by disseminating organizational security policies, and individual user responsibilities concerning all aspects of the computer security program.

(10) Implements computer security policy as mandated by higher authority.

d. Related DOT Classification/DOT Code. No civilian equivalent.

59. MOS 9976, Helicopter Officer, AH-1Z/UH-1Y*

a. Summary. Ground maintenance technicians and aircrew are responsible for performing duties incident to the maintenance and operation of Marine AH-1Z and UH-1Y aircraft. This MOS will be assigned as a skill designator MOS only to qualified AH-1W and UH-1N Maintenance Technicians and Aircrew holding 6048, 6114, 6124, 6154, 6174, 6324, 6531, 7563, and 7565 MOSs.

b. Requirements/Prerequisites

(1) Meet all requirements/prerequisites for the primary H-1 MOS.

(2) Complete the appropriate formal school at NAMTRAGRUMARDET MCAS Camp Pendleton, CA or complete an equivalent OMA Contractors Maintenance/Aircrew Course for the appropriate MOS.

(3) Complete the Maintenance Training Management and Evaluation Programs (MATMEP) level II asterisk items for the appropriate MOS. The level II asterisk items are the mandatory "Training Tasks" contained in the formal school training tracks.

(4) Aircrew must complete all requirements contained in the appropriate NATOPS Manual or syllabi peculiar to the AH-1Z and UH-1Y aircraft.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.16, Aviation Training and Readiness (T&R) Manual, and MCO P4790.12B, Maintenance Training Management and Evaluation Programs (MATMEP) for the appropriate MOS.

d. Related DOT Classification/DOT Code. See primary H-1 MOS.

60. MOS 9980, Surveillance Sensor Officer*

a. Summary. Surveillance sensor officers supervise the employment of surveillance sensors. This MOS will be assigned only as a skill designator MOS.

b. Requirements/Prerequisites

(1) Must have a secret security clearance.

(2) Complete a formal course of instruction in surveillance sensor employment.

c. Duties. Provides recommendations to the commander regarding sensor employment, coordinates/controls sensor employment and readout, makes recommendations to action/reaction to sensor derived intelligence, and supervises sensor related training, maintenance, and employment.

d. Related DOT Classification/DOT Code. No civilian equivalent.

61. MOS 9985, Information Management Officers (IMOs)*

a. Summary. Information management officer serve in selected billets that assist commanders in gaining knowledge and situational awareness to support the decision-making process. IMOs assist the primary staff in the development and coordination of knowledge used to enable the command and control function across the MAGTF. The IMOs serve to coordinate processes between staff sections ensuring accurate and focused information is delivered in a timely manner. The IMOs use

Commander's critical information requirements, report matrices, and request for information procedures, along with collaborative planning tools (such as internet/intranet web sites, knowledge portals, chat, video teleconferencing and email) to ensure information is translated into focused knowledge that facilitates decision-making. They assist the commander to understand the unit's information requirements and the capabilities and limitations of the tools available to implement the Information Dissemination Plan. They must interact with subordinate commanders and staff officers throughout the command and across the war fighting functions (intelligence, fires, maneuver, logistics, C2, and force protection). The IMOs must under the demands and procedures of their organizations in addition to the capabilities of the technological tools used in information management. This MOS will be assigned as a skill designator MOS only, and is assigned to any unrestricted officer, except MOS 0602.

b. Requirements/Prerequisites. Complete the Expeditionary Warfare School, Quantico, VA.

c. Duties

(1) Develop and publish the Command Information Management Plan.

(2) Determine processes and procedures to satisfy Commander's Critical Information Requirements.

(3) Publish and update the information matrix.

(4) Develop, review, and validate mission critical information exchange requirements, procedures, and processes.

(5) Coordinate with information producers to establish new information products.

(6) Search and access needed information products.

(7) Review telecommunications systems procedures and capabilities to determine their operational and mission effectiveness, economy, and efficiency.

(8) Issue Commander's Information Dissemination Policies within the command.

(9) Enforce the command's information management policies.

(10) Serve as primary point of contact for Information Dissemination Management (IDM) operational support issues within their command.

(11) Implement Command Information Dissemination Plan (CIDP). The CIDP developed by the IMO has mission support, prioritized delivery, and bandwidth efficiency and operational effectiveness as overriding goals.

(12) Interface with information providers to establish new information products.

(13) Coordinate additional training required by staff and component elements to support production of quality information through effective information management procedures.

(14) Work closely with the command Common Tactical Picture manager and with staff, subordinate, and higher headquarters IMOs to develop effective, efficient track management procedures.

(15) Work closely with information exchange technology personnel to facilitate efficient dissemination of quality information throughout the MAGTF.

d. Related DOT Classification/DOT Code. No civilian equivalent.

62. MOS 9986, Joint Terminal Attack Controller*

a. Summary. This MOS is a skill designator MOS which requires formal Joint Terminal Attack Controller (JTAC) training and certification. It forms the foundation skill set for assignment to appropriate JTAC billets in the Operating Forces. A JTAC is a qualified (certified) service member who from a forward position directs the action of combat aircraft engaged in close air support (CAS) and other offensive air operations. A qualified and current JTAC will be recognized across DoD as capable and authorized to perform terminal attack control. Mission essential task/skill training for JTAC is established in the T&R and includes graduation from the Special Operations Spotter Course (SOSC), and the Tactical Air Control Party (TACP) Course at EWTG. Upon successful completion of the TACP Course, the JTAC will be designated combat capable, receive MOS 9986, JTAC, and will return to his unit for completion of the T&R requirements. Only T&R qualified and current JTACs may conduct Close Air Support (CAS) training operations without specified instructor supervision. No JTAC duties can be performed unless JTAC is current and qualified per the T&R. Training currency must be documented and certified in the JTAC training record.

b. Requirements/Prerequisites

(1) Must be a ground combat arms officer.

(2) Must have a secret security clearance based on ENTNAC or NAC.

(3) Must be a U.S. citizen.

(4) Must have normal color vision/correctable to 20/20.

(5) Must have at least 2 years of obligated time in service remaining upon completion of TACP course.

c. Duties. For a complete listing of duties and tasks, refer to the JTAC portions of the T&R Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Ground Combat Arms Officer.

CHAPTER 1

OFFICER OCCUPATIONAL SYSTEM

SECTION 2: ALPHABETICAL LISTING OF OFFICER MOSs

1201. ALPHABETICAL LISTING. Figure 1-1 of this Section is an alphabetical listing of officers MOS titles, including basic MOSs, four-digit MOS code, and page number where each MOS is described.

MOS TITLE	MOS CODE	PAGE NUMBER
ACQUISITION MANAGEMENT OFFICER (AQMO) (I)*	9958	1-155
ACQUISITION PROFESSIONAL CANDIDATE*	9957	1-154
ADJUTANT (I)	0180	1-6
AERIAL DELIVERY OFFICER*	0405	1-17
AERONAUTICAL ENGINEER (SEP)	9620	1-103
AIR COMMAND AND CONTROL OFFICER (I)	7202	1-85
AIR DEFENSE CONTROL OFFICER (I)	7210	1-86
AIR INTELLIGENCE OFFICER (I)	0207	1-11
AIR SUPPORT CONTROL OFFICER (I)	7208	1-85
AIR TRAFFIC CONTROL OFFICER (I)	7220	1-86
AIR TRAFFIC CONTROL SYSTEMS MAINTENANCE OFFICER (III)	5950	1-72
AIRCRAFT MAINTENANCE ENGINEER OFFICER (II/III)	6004	1-75
AIRCRAFT MAINTENANCE OFFICER (I)	6002	1-75
AMMUNITION OFFICER (II/III)	2340	1-36
ASSAULT AMPHIBIOUS VEHICLE (AAV) OFFICER (I)	1803	1-32
AVIATION ORDNANCE OFFICER (II/III)	6502	1-79
AVIATION RADAR MAINTENANCE OFFICER (III)	5910	1-71
AVIATION SAFETY OFFICER*	7596	1-100
AVIATION SUPPLY OFFICER (I)	6602	1-80
AVIATION SUPPLY OPERATIONS OFFICER (III)	6604	1-80
AVIONICS OFFICER (II/III)	6302	1-78
BAND OFFICER (III)	5502	1-67
BASIC FOREIGN AREA OFFICER*	9940	1-146
BASIC OFFICER	9901	1-139
BASIC PILOT I	7597 and 7598	1-100
BILLET DESIGNATOR - AIR CONTROL/ANTIAIR WARFARE OFFICER	9930	1-143
BILLET DESIGNATOR - ANY PILOT/NAVAL FLIGHT OFFICER	9969	1-157
BILLET DESIGNATOR - FIXED-WING PILOT	9965	1-156
BILLET DESIGNATOR - HELICOPTER PILOT	9967	1-156
BILLET DESIGNATOR - NAVAL FLIGHT OFFICER	9966	1-156
BILLET DESIGNATOR - POLITICAL MILITARY OFFICER	9820	1-135
BILLET DESIGNATOR - UNRESTRICTED GROUND OFFICER	9911	1-140
BILLET DESIGNATOR - UNRESTRICTED OFFICER	9910	1-140
BULK FUEL OFFICER (III)	1390	1-31
C4 PLANNER*	0603	1-23
CHEMICAL ENGINEER	9622	1-104
CIVIL AFFAIRS OFFICER*	0530	1-22
COLONEL, GROUND (I)	9906	1-140
COLONEL, JUDGE ADVOCATE (I)	9914	1-141
COLONEL, LOGISTICIAN (I)	9904	1-139
COLONEL, NAVAL AVIATOR/NAVAL FLIGHT OFFICER NA/NFO (I)	9907	1-140
COMBAT ARTIST (OFFICER)	9950	1-150
COMBAT ENGINEER OFFICER (I)	1302	1-30
COMBAT VISUAL INFORMATION OFFICER (II/III)	4602	1-66
COMBATANT DIVER QUALIFIED (OFFICER)	9952	1-151
COMMUNICATIONS OFFICER (I)	0602	1-23
COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS AND INTELLIGNCE (C4) OFFICER	9658	1-119
CONTRACTING OFFICER*	9656	1-117
CORRECTIONS OFFICER (III)	5804	1-69
COUNTERINTELLIGENCE OFFICER (II/III)#	0210	1-11
CRIMINAL INVESTIGATION OFFICER (III)	5805	1-70
CRYPTOLOGIC DIGITAL NETWORK TECHNICIAN/ANALYST (OFFICER)	2611	1-39
DATA SYSTEMS MAINTENANCE OFFICER (III)	5970	1-73
DATA SYSTEMS MANAGEMENT OFFICER (II/III) (4010)	0650	1-26

FIGURE 1-1—Alphabetical Listing of Officer MOSs

MOS TITLE	MOS CODE	PAGE NUMBER
DATA SYSTEMS SPECIALIST	9646	1-112
DATA/COMMUNICATIONS MAINTENANCE OFFICER (III)	2805	1-47
DEFENSE SYSTEMS ANALYST	9652	1-116
DIRECTOR/ASSISTANT DIRECTOR, THE PRESIDENT'S OWN, U.S. MARINE BAND	9802	1-130
EDUCATION OFFICER*	9602	1-102
ELECTRO-OPTIC INSTRUMENT REPAIR OFFICER (III)	2125	1-34
ELECTRONIC ENGINEER	9624	1-105
ELECTRONICS MAINTENANCE OFFICER (AVIATION) (II)	5902	1-71
ELECTRONICS MAINTENANCE OFFICER (GROUND) (II)	2802	1-47
EMBARKATION OFFICE (II/III)	0430	1-18
ENGINEER EQUIPMENT OFFICER (III)	1310	1-30
ENVIRONMENTAL ENGINEERING MANAGEMENT OFFICER	9631	1-108
EXPEDITIONARY AIRFIELD AND EMERGENCY SERVICES OFFICER (III)	7002	1-84
EXPLOSIVE ORDNANCE DISPOSAL OFFICER (II/III)	2305	1-36
FACILITIES MANAGEMENT OFFICER*	1330	1-31
FIELD ARTILLERY OFFICER (I)	0802	1-27
FINANCE OFFICER (III)	3402	1-54
FINANCIAL MANAGEMENT OFFICER (I)	3404	1-54
FINANCIAL MANAGEMENT RESOURCE OFFICER (III)	3408	1-55
FINANCIAL MANAGEMENT SPECIALIST	9644	1-111
FIXED-WING TRANSPORT AIRCRAFT SPECIALIST, KC-130J (OFFICER)*	9973	1-157
FLIGHT STUDENT (TBS) (I)	7599	1-101
FOOD SERVICE OFFICER (II/III)	3302	1-53
FORCE DEPLOYMENT PLANNING AND EXECUTION OFFICER	0502	1-21
FOREIGN AREA OFFICER-EAST ASIA (EXCLUDING PEOPLES REPUBLIC OF CHINA)*	9948	1-149
FOREIGN AREA OFFICER-EASTERN EUROPE (EXCLUDING FORMER SOVIET UNION)*	9949	1-150
FOREIGN AREA OFFICER-FORMER SOVIET UNION*	9942	1-147
FOREIGN AREA OFFICE-LATIN AMERICA*	9941	1-147
FOREIGN AREA OFFICER-MIDDLE EAST/NORTH AFRICA*	9944	1-148
FOREIGN AREA OFFICER-PEOPLES REPUBLIC OF CHINA*	9943	1-147
FOREIGN AREA OFFICER-SOUTHWEST ASIA*	9946	1-149
FOREIGN AREA OFFICER-SUB SAHARAN AFRICA	9945	1-148
FOREIGN AREA OFFICER-WESTERN EUROPE*	9947	1-149
FORWARD AIR CONTROLLER/AIR OFFICER (I)*	7502	1-90
GENERAL OFFICER (I)	9903	1-139
GROUND INTELLIGENCE OFFICER (I)	0203	1-8
GROUND SAFETY SPECIALIST (OFFICER)	9956	1-153
GROUND SUPPLY OFFICER (I)	3002	1-49
GROUND SUPPLY OPERATIONS OFFICER (III)	3010	1-49
HAZARDOUS MATERIAL/HAZARDOUS WASTE (HM/HW) OFFICER*#	9954	1-152
HELICOPTER OFFICER, AH-1Z/UH-1Y*	9976	1-159
HISTORIAN	9678	1-123
HISTORICAL OFFICER*	4330	1-62
HUMAN RESOURCES MANAGEMENT SPECIALIST	9680	1-123
HUMAN SOURCE INTELLIGENCE OFFICER (I)	0204	1-9
INDUSTRIAL ENGINEER	9630	1-107
INFANTRY OFFICER (I)	0302	1-15
INFANTRY WEAPONS OFFICER (III)	0306	1-15
INFORMATION COMPUTER SECURITY SPECIALIST (OFFICER)	9975	1-158
INFORMATION OPERATIONS OFFICER	9634	1-109
INFORMATION OPERATIONS STAFF OFFICER	9934	1-145
INFORMATION MANAGEMENT OFFICER	9985	1-159
JOINT SPECIALTY OFFICER (JSO)	9702	1-129

FIGURE 1-1--ALPHABETICAL LISTING OF OFFICER MOSs

MOS TITLE	MOS CODE	PAGE NUMBER
JOINT SPECIALTY OFFICER NOMINEE	9701	1-129
JOINT TERMINAL ATTACK CONTROLLER	9986	1-161
JUDGE ADVOCATE (I)	4402	1-64
LANDING SIGNAL OFFICER (I)*	7593 and 7594	1-99
LANDING SIGNAL OFFICER TRAINEE	7590	1-98
LEADERSHIP DEVELOPMENT SPECIALIST*	9603	1-103
LEGAL ADMINISTRATIVE OFFICER (III)	4430	1-65
LIGHT-ARMORED VEHICLE (LAV) OFFICER*	0303	1-15
LINGUIST*	2711 through 2794	1-41
LOGISTICS OFFICER (I)	0402	1-17
LOW ALTITUDE AIR DEFENSE OFFICER (I)	7204	1-85
MANAGEMENT, DATA SYSTEMS OFFICER	9648	1-114
MANPOWER MANAGEMENT OFFICER	9640	1-110
MARINE AIR GROUND TASK FORCE (MAGTF) PLANNERS*	0505	1-21
MARINE AIR/GROUND TASK FORCE (MAGTF) INTELLIGENCE OFFICER (I)#	0202	1-7
MARINE CORPS EXCHANGE OFFICER (III)	4130	1-60
MASTER OF CRIMINAL LAW	9687	1-126
MASTER OF ENVIRONMENTAL LAW	9684	1-124
MASTER OF INTERNATIONAL LAW	9683	1-124
MASTER OF LABOR LAW	9685	1-125
MASTER OF LAW (GENERAL)	9688	1-126
MASTER OF PROCUREMENT LAW	9686	1-125
MATERIAL MANAGEMENT OFFICER	9662	1-120
METEOROLOGICAL AND OCEANOGRAPHIC (METOC) SERVICES OFFICER (II/III)	6802	1-82
MILITARY POLICE OFFICER (I)	5803	1-69
MISSION COMMANDER*	7315	1-88
MODELING AND SIMULATION OFFICER	9625	1-106
MOTOR TRANSPORT MAINTENANCE OFFICER (III)	3510	1-58
MOTOR TRANSPORT OFFICER (I)#	3502	1-58
NAF AUDITING OFFICER (II/III)	3410	1-56
NAVAL FLIGHT OFFICER (NFO)	7524, 7525, 7578, through 7588	1-97
NAVAL FLIGHT OFFICER VMAW (I)	7591	1-98
NAVAL GUNFIRE SPOTTER*	0845	1-28
NAVAL SURFACE FIRE SUPPORT PLANNER*	0840	1-28
NETWORK MANAGEMENT OFFICER (III) (2510)	0620	1-25
NUCLEAR ENGINEER	9632	1-109
NUCLEAR, BIOLOGICAL, AND CHEMICAL DEFENSE (NBCD) OFFICER (III)	5702	1-68
OPERATIONS ANALYST	9650	1-115
OPERATIONS RESEARCH SPECIALIST	9651	1-115
ORDNANCE OFFICER (II)	2102	1-33
ORDNANCE SYSTEMS ENGINEER	9626	1-107
ORDNANCE VEHICLE MAINTENANCE OFFICER (III)	2110	1-33
PARACHUTIST OFFICER	9962	1-156
PARACHUTIST/COMBATANT DIVER QUALIFIED (OFFICER)	9953	1-151
PERSONNEL OFFICER (III)	0170	1-5
PILOT C-20 QUALIFIED (I)*	7553	1-94
PILOT HMH/M/L/A (I)	7558 through 7568	1-95
PILOT VMA (AW) (I)#	7510 and 7511	1-91
PILOT VMA (I)#	7500 through 7509	1-90
PILOT VMAQ/VMFP (1)#	7541 through 7545	1-93
PILOT VMAW*	7592	1-99
PILOT VMFA (I)#	7521 through 7527	1-91
PILOT VMGR (I)	7550 through 7559	1-93
PILOT VMM (I)	7531 and 7532	1-92
PILOT VMO (I)#	7576	1-96

FIGURE 1-1--ALPHABETICAL LISTING OF OFFICER MOSs

MOS TITLE	MOS CODE	PAGE NUMBER
PLANNING, PROGRAMMING, AND BUDGETING SYTEMS (PPBS) OFFICER	3450	1-56
POSTAL OFFICER (III)	0160	1-5
PSYCHOLOGICAL OPERATIONS OFFICER*	9955	1-146
PUBLIC AFFAIRS MANAGEMENT OFFICER	9674	1-122
PUBLIC AFFAIRS OFFICER (I/III)#	4302	1-62
RANGE OFFICER (III)	9925	1-142
RECRUITING OFFICER (III)	9815	1-133
REGIONAL AFFAIRS OFFICER - EASTERN ASIA (EXCLUDING PEOPLES REPUBLIC OF CHINA	9828	1-138
REGIONAL AFFAIRS OFFICER - EASTERN EUROPE (EXCLUDING FORMER SOVIET UNION)*	9829	1-138
REGIONAL AFFAIRS OFFICER - FORMER SOVIET UNION*	9822	1-135
REGIONAL AFFAIRS OFFICER - LATIN AMERICA*	9821	1-135
REGIONAL AFFAIRS OFFICER - MIDDLE EAST/NORT AFRICA*	9824	1-136
REGIONAL AFFAIRS OFFICER - PEOPLES REPUBLIC OF CHINA*	9823	1-136
REGIONAL AFFAIRS OFFICER - SOUTHWEST ASIA*	9826	1-137
REGIONAL AFFAIRS OFFICER - SUB-SAHARAN AFRICA*	9825	1-136
REGIONAL AFFAIRS OFFICER - WESTERN EUROPE*	9827	1-137
SIGNALS INTELLIGENCE/ELECTRONIC WARFARE OFFICER (III)#	2602	1-39
SIGNALS INTELLIGENCE/GROUND ELECTRONIC WARFARE OFFICER (I)	0206	1-10
SPACE OPERATIONS OFFICER	9666	1-120
SPACE OPERATIONS STAFF OFFICER	9933	1-144
SPECIAL ASSIGNMENT OFFICER	9905	1-132139
SPECIAL SERVICES OFFICER*	9913	1-140
SPECIAL TECHNICAL OPERATIONS (OFFICER)*	9935	1-138
STAFF OFFICER, THE PRESIDENT'S OWN, U.S. MARINE BAND (II/III)	9803	1-130
STATISTICS OFFICER	9670	1-121
STRATEGIC SPECTRUM PLANNER (III)	0640	1-25
SUBSTANCE ABUSE CONTROL OFFICER*	9936	1-146
SURVEILLANCE SENSOR OFFICER*	9980	1-159
SYSTEMS ACQUISITION MANAGEMENT (SAM) OFFICER	9657	1-119
TACTICAL INTELLIGENCE OFFICER (III)#	0205	1-10
TACTICAL SYSTEMS OFFICER/MISSION SPECIALIST (III)	7380	1-88
TANK OFFICER (I)	1802	1-32
TARGET ACQUISITION OFFICER (III)	0803	1-27
TECHNICAL SURVEILLANCE COUNTERMEASURES (TSCM) OFFICER*	0215	1-13
TELEPHONE SYSTEMS OFFICER (III) (2810)	0610	1-21
TEST PILOT/FLIGHT TEST PROJECT OFFICER*	7595	1-99
TRAFFIC MANAGEMENT OFFICER (II/III)	3102	1-51
U.S. MARINE DRUM & BUGLE CORPS OFFICER (II/III)	9805	1-130
UTILITIES OFFICER (III)	1120	1-29
V/STOL LANDING SIGNAL OFFICER*	7589	1-97
VERTICAL TAKEOFF UNMANNED AERIAL VEHICLE OFFICER, VTUAV*	9974	1-157
WEAPONS AND TACTICS INSTRUCTOR*	7577	1-96
WEAPONS AND TACTICS INSTRUCTOR-AIR CONTROL*	7277	1-87
WEAPONS AND TACTICS INSTRUCTOR-INTELLIGENCE OFFICER	0277	1-13
WEAPONS AND TACTICS INSTRUCTOR-METOC*	6877	1-83
WEAPONS REPAIR OFFICER (III)	2120	1-34

FIGURE 1-1--ALPHABETICAL LISTING OF OFFICER MOSs

CHAPTER 2

OFFICER CONVERSION GUIDANCE

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COMMANDING OFFICER'S RESPONSIBILITIES	2002	2-1

FIGURE

2-1	OFFICER CONVERSION TABLE/GUIDE	2-3

CHAPTER 2

OFFICER CONVERSION GUIDANCE

2001. IMPLEMENTAION OF MOS CONVERSION

1. Director, Personnel Management Division (CMC (MM))

a. The Type Transaction Code (TTC) conversion for the Marine Corps Total Force System (MCTFS) will convert MOSs for both active and reserve components. Action will be accomplished by the CMC (MM) on 1 October 2004 to convert the present MOS codes being revised as listed in the table of MOSs to the new MOS codes listed (refer to figure 2-1).

b. Release an advisory to Marine forces that will serve as the source document.

c. Coordinate the conversion of reservists' MOSs with the Director, Reserve Affairs (CMC (RA)).

2. Director, Management Information Systems Division (CMC (MI)). The Head, Manpower Information Systems Field Support Branch (CMC (MIF)), updates the MCTFS MOS Tables prior to the CMC (MM) submission of the TTC conversions on 15 April 2004.

3. Director, Total Force Structure Division (CG MCCDC (TFS)). The Director, Total Force Structure Division (CG MCCDC (TFS)) will ensure T/Os are updated to reflect the MOS conversions contained in figure 2-1 by 15 April 2004.

4. Commanding General, Marine Corps Recruiting Command (CG MCRC). The Assistant Chief of Staff, Officers Recruiting (MCRC (R)) will ensure MOS conversions are accomplished within the Marine Corps Recruit Information Support System (MCRISS) on 15 April 2004.

2002. COMMANDING OFFICER'S RESPONSIBILITIES

1. Active component units make appropriate OQR entries using as authority the CMC (MM) conversion action appearing on the RUC's Diary Feedback Report (DFR) with an origin code of "HQ".

2. In instances where commanding officers do not concur in the MOSs assigned by the CMC (MM), identify those individuals by separate correspondence to the CMC (M&RA) within 30 days of the receipt of the DFR. In each case identification will include name, social security number, MOSs currently held, and recommended MOSs, to include a brief justification for the recommended MOSs; i.e., OJT Exchange Occupational Field for the past 30 months.

3. Reserve Components

a. Selected Marine Corps Reserve units make appropriate OQR entries using as authority the CMC (MM) conversion action appearing on the RUC's DFR with an origin of "HQ".

b. In instances where commanding officers do not concur in the MOSs assigned by the CMC (MM), identify those individuals by separate correspondence to the Commander, Marine Forces Reserve within 30 days of the receipt of the DFR. In each case identification will include name, social security number, MOSs currently held,

and recommended MOSs, to include a brief justification for the recommended MOSs; i.e., OJT Exchange Occupational Field for the past 30 months.

c. The Commander, Marine Forces Reserve coordinates retraining of reservists as required for MOS conversion, subject to the availability of funds.

d. The Director, Marine Corps Reserve Support Command (MCRSC) makes appropriate OQR entries for Individual Mobilization Augmentees, Individual Ready Reservists, and Standby Reservists using as authority the CMC (MM) conversion action appearing on the RUC's DFR with an origin of "HQ".

PRESENT MOS CODE	PRESENT MOS TITLE	GRADE	NEW MOS CODE	NEW MOS TITLE	GRADE	REMARKS
			0277	Weapons and Tactics Instructor-Intelligence Officer		1,6
0306	Infantry Weapons Officer	(III)	0306	Infantry Weapons Officer	(III)	2,7
0602	Command and Control Systems Officer	(I)	0602	Communications Officer	(I)	2
			0603	C4 Planner		1,6
0625	Strategic Spectrum Planner	(III)	0640	Strategic Spectrum Planner	(III)	5,9
2502	Communication Officer	(I)	0602	Communications Officer	(I)	3,5
2510	Network Management Officer	(III)	0620	Network Management Officer	(III)	5,9
			2611	Cryptologic Digital Network Technician/Analyst	(III)	1,6
2810	Telephone Systems Officer	(III)	0610	Telephone Systems Officer	(III)	5,7,9
4002	Data Systems Officer	(I)				3
4010	Data Systems Management Officer	(III)	0650	Data Systems Management Officer	(III)	5,7,9
4130	Marine Corps Exchange Officer	(III)	4130	Marine Corps Exchange Officer	(III)	7
5502	Band Officer	(III)	5502	Band Officer	(III)	7
5702	Nuclear, Biological, and Chemical (NBC) Officer	(III)	5702	Nuclear, Biological and Chemical Defense (NBCD) Officer	(III)	2,7
6005	Aeronautical Engineer					3
7208	Air Support Officer	(I)	7208	Air Support Control Officer	(I)	2
			9651	Operations Research Specialist		1,6
9985	C4I Planner		9985	Information Management Officer		2,7
			9986	Joint Terminal Attack Controller		1,6

Notes:

1. New MOS or skill designator.
2. Revised MOS description.

FIGURE 2-1.--Officer Conversion Table/Guidance

3. Deleted MOS or skill designator.
4. Entry or terminal grade/category MOS revised.
5. Convert to a specified MOS.
6. To be assigned as a skill designator MOS only.
7. Requirement change.
8. Status of MOS changed from PMOS to skill designator MOS, or skill designator MOS changed to a PMOS.
9. OccFld/MOS number changed only.

FIGURE 2-1.--Officer Conversion Table/Guidance

CHAPTER 3

ENLISTED OCCUPATIONAL SYSTEM

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OCCUPATIONAL FIELD 18 TANK AND ASSAULT AMPHIBIOUS VEHICLE	3115	3-111
OCCUPATIONAL FIELD 21 GROUND ORDNANCE MAINTENANCE	3116	3-117
OCCUPATIONAL FIELD 23 AMMUNITION AND EXPLOSIVE ORDNANCE DISPOSAL	3117	3-134
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OCCUPATIONAL FIELD 57	3133	3-289
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AIRCRAFT MAINTENANCE		
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OCCUPATIONAL FIELD 66	3139	3-424
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OCCUPATIONAL FIELD 68	3140	3-430
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CHAPTER 3

ENLISTED OCCUPATIONAL SYSTEM

3001. GENERAL

1. This chapter is divided into two sections. Section 1 contains enlisted MOS occupational systems and Section 2 contains the alphabetical listing of enlisted MOSs.

2. The data in this chapter identifies Marine Crops enlisted skills for requirements within specific functional areas. With the exception of the restrictions set forth in MCO 1300.8, Marine Corps Personnel Assignment Policy, women Marines may be assigned in all OccFlds.

CHAPTER 3

ENLISTED OCCUPATIONAL SYSTEM

SECTION 1: ENLISTED MOS DESCRIPTIONS

3101. INFORMATION. The enlisted Occflds are displayed in numerical sequence and the enlisted MOS follow in numerical sequence within the OccFlds. Each OccFld has an introduction on the range of functional duty areas; knowledge, skill, and ability; and the basic MOS descriptions for the Occfld. Each enlisted OccFld provides a line flow diagram depicting promotional progression and formal school training. The following format is utilized to describe enlisted MOSs:

1. Title. The MOS code, a narrative description, and the grade(s).

2. Body. The body of the enlisted job description is composed of the following:

a. Summary

b. Requirements/Prerequisites

c. Duties and Tasks

d. Related DOT Classification/DOT Code. The related DOT classification/DOT code lists the comparable civilian classification title(s) and code(s) that are presented in the U.S. Department of Labor Dictionary of Occupational Titles (DOT).

e. Related Military Skill

f. Skill Designator (as appropriate)

3102. OCCUPATIONAL SYSTEM. The Marine Corps Occupational System has been constructed on the concept that similar skill and knowledge requirements are grouped in functional areas, known as OccFlds, which provide for the most efficient and effective classification, assignment, promotion, and utilization of Marine Corps personnel.

3103. MOS SYSTEM. The MOS system is composed of OccFlds and MOSs within each Occfld.

1. OccFld. The OccFld is identified by the first two digits of a four-digit number and a descriptive title. The OccFld is a grouping of related MOSs. Criteria to be considered in establishment of an OccFld include the total number of Marines in the field, the number of MOSs (diversity), combat or combat support requirements, rotation base, training requirements, promotion opportunity, and the self-renewing characteristics of the field.

2. MOS

a. An MOS code has four digits and a descriptive title. The MOS describes a group of related duties and task that extend over one or more grades. Duties and tasks are identified by grade since the Marine Corps MOS system is predicated on the fact that increased duties and tasks accompany promotion to higher grade. The first two digits designate the OccFld and the last two digits identify the promotional channel and specialty within the OccFld.

b. Criteria to be considered in establishment of an MOS include the number of Marines required in the specialty, combat or combat support relationship, rotation base, training requirements, specialty requirements/prerequisites, promotion opportunity, and career pattern.

c. The MOS is used to identify skill requirements of billets in T/Os.

3. Skill Designator. A skill designator MOS is a nonprimary MOS. Skill designator MOSs may be found in Category "B" MOSs or in regular OccFlds. Skill designator MOSs in OccFlds are usually low-density MOSs that require foundation skills acquired in a related primary MOS. Examples from OccFld 35: Primary MOS 3521 with skill designator MOSs 3522, 3524, and 3525. Throughout the Manual, skill designator MOS are identified by an asterisk.

3104. BASIC MOS'S. Each OccFld contains a basic MOS; e.g., MOS 0100, Basic Administrative Marine. A basic MOS represents the entry-level learner in an OccFld. It is assigned as a specific MOS in that field or upon being assigned for retraining, a Marine's primary MOS (gunnery sergeant through private grades) will be changed to the basic MOS in the OccFld while in a retraining status. Basic MOSs will be assigned as primary per MCO P1000.6E, ACTS Manual, chapter 1.

3105. OTHER CATEGORIES OF MOS'S

1. Category B. MOSs 8000-9599 (except 8412). Category B MOSs are enlisted only billet MOSs, and non-PMOSs that appear on T/Os where special skills or an accounting for structure is required. The overall population is not managed as a community. Marines are promoted by PMOS even while serving in Category "B" billets.

2. Identifying and Reporting MOSs. MOSs in the 9800 through 9999 series will be used for the following three purposes:

a. to identify skills of individuals,

b. to identify billets in T/Os, and

c. to identify personnel in the Manpower Management System who are assigned a reporting MOS.

These billets are identified by MOSs requiring general skills. These billets may be staffed by Marines with any primary MOS and require no special skills or training.

NOTE: The following symbols are used throughout the MOS Manual:

* - indicates a skill designator MOS.

- indicates a note at the end of the MOS.

3106. **OCCUPATIONAL FIELD 01, PERSONNEL AND ADMINISTRATION**

1. Introduction. The personnel and administration OccFld includes the operation and management of administrative and clerical functions in the areas of general administration, personnel administration, and postal service. Qualifications required include basic clerical skills, typing, and communication abilities. The duties involve administrative, managerial, and technical skills. Personnel and administration Marines are required to learn clerical and administrative procedures, office management, personal computer skills (personnel and pay database retrieval and word-processing), preparation and use of military publications and correspondence, preparation of orders and directives, and the use of filing systems and record keeping. Formal schooling is provided to Marines entering this OccFld. Types of entry-level jobs available include work as a personnel clerk, administrative clerk, and postal clerk. There are a wide variety of billets available in this OccFld assignments ranging from duty at the staff level in the division, wing, and force service support group to the opportunity to serve on independent duty in support of the Selected Marine Corps Reserve or in various category "B" billets (MOSs 8000-9599). Marines entering this OccFld will receive MOS 0100, Basic Administrative Marine, and will participate in routine personnel and administrative functions while training for a designated MOS within the OccFld. The individual training standards are used by formal schools and unit commanders to determine proficiency, evaluate individual training, and maintain quality control.

2. MOS 0121, Personnel Clerk (Sgt to Pvt)#

a. Summary. Personnel clerks perform personnel and general administrative duties utilizing manual and automated information systems to prepare documents, maintain personnel records and input, audit and retrieve pay and personnel information. As such, personnel clerks must have knowledge of the Marine Corps Total Force System (MCTFS), which encompasses the On-line Diary System (OLDS), the Unit Diary/Marine Integrated Personnel System (UD/MIPS). Typical duties of personnel clerks include: auditing and making entries in individual service records; auditing service records for required entries and documentation; completion of various personnel and pay related forms and documents; researching proper unit diary entry requirements; reporting transactions into MCTFS via the unit diary; auditing and correcting feedback reports from systems; preparation of individual bond and allotment requests; and performing other duties pertaining to pay and personnel administration as required. Other duties and tasks performed may overlap those performed by administrative clerks, including preparation of naval correspondence and maintenance of correspondence files and directives.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) MOS 0121 is assigned upon completing the Personnel Clerk Course, conducted at Camp Lejeune, NC, or upon demonstrating satisfactory performance during MOJT.

(3) Type a minimum speed of 25 words per minute prior to completion of the Personnel Clerk Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Personnel Clerk 209.362-026.

(2) Clerk, General 209.562-010.

e. Related Military Skill. Administrative Clerk, 0151.

#MOS 0131, Unit Diary Clerk (SGT to Pvt) was deleted as a primary MOS effective 1 Oct 99. Marines holding this MOS were assigned primary MOS 0121, Personnel Clerk.

3. MOS 0151, Administrative Clerk (Sgt to Pvt)

a. Summary. Administrative clerks perform clerical and administrative duties incident to general and operational administration utilizing manual and Automated Information Systems (AIS). Administrative clerks must possess knowledge of the Marine Corps Total Force System (MCTFS), and Marine Corps standard word processing and database software packages. Typical duties consist of the preparation of naval correspondence and messages; preparation and maintenance of directives; preparation of travel orders, completion of general administrative requirements such as leave authorizations, identification cards, and preparation and maintenance of command unit punishment books. Other duties performed may overlap those performed by personnel clerks. These include auditing field service records, verifying information contained in unit diary feedback reports/personnel management reports, preparation of discharge and retirement documents, and verifying the accuracy of information contained in the MCTFS databases. Administrative clerks may also be assigned to support the administration of military justice to staff level billets, and to perform duties within a Classified Material Control Center (CMCC), or in the unit's mailroom. MOS 0151 is assigned upon completion of the Administrative Clerk Course or upon demonstrating satisfactory performance during MOJT.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Administrative Clerk Course conducted at Camp Lejeune, NC; or demonstrate MOS qualification through job performance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Administrative Clerk 219.362-010.

(2) Clerk, General 209.562-010.

(3) Office Clerk 209.567-022.

e. Related DOT Classification/DOT Code. Personnel Clerk, 0121.

4. MOS 0161, Postal Clerk (MGySgt to Pvt)

a. Summary. Postal clerks perform all duties necessary to the efficient operation of a Marine Corps Post Office. Mail handling duties can include, but are not limited to accepting, sorting, manifesting and dispatching all types of mail, to include official mail. Postal clerks also issue and cash USPS money orders, sell

stamps, apply postage to, and mail out parcels. They perform any other duties in connection with the proper running of a postal operation. Only postal Marines receiving formal training as listed in the prerequisites and assigned to a military postal facility, may be given this MOS. Postal clerks will not be assigned to unit mailrooms to conduct mail clerk/orderly functions.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Must possess a secret clearance.

(3) Must be a U.S. citizen.

(4) Complete the Postal Operations Course, Ft Jackson, SC.

(5) Must have no record of derogatory information or unfavorable conduct that casts doubt on the Marine's trustworthiness and honesty.

(6) No history of psychiatric disorder, alcoholism, or drug abuse unless a medical evaluation determines the conditions no longer exist.

(7) No convictions by court martial, UCMJ punishment for postal related offenses within the last 3 years or civilian convictions other than minor traffic violations.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Post Office Clerk 243.367-014.

(2) Supervisor, Mails 243.137-010.

5. MOS 0171, Manpower Information Systems (MIS) Analyst (MGySgt to Cpl)*

a. Summary. Manpower information system analysts serve as the functional managers of specific, fielded Manpower Information Systems in a regional jurisdiction. These Marines serve as critical management supervisors for the Marines Corps Total Force System (MCTFS) which impacts all active, reserve and retired personnel. MIS analysts provide procedural assistance in the preparation, submission, retrieval and audit of records and reports within the MCTFS, the Diary/Marine Integrated Personnel System (UD/MIPS), the On-line Diary System (OLDS), SABRS Manpower Analytical Retrieval Tool System (SMARTS), and other automated manpower information systems. Typical duties of MIS analyst include research, procedural or system problem solving for reporting units, monitoring completion of class I systems cyclic updates, and conducting educational/training contact visits to both active and reserve reporting units within the regional jurisdiction. Duties of this magnitude require that they typically support over 100 reporting units and anywhere from 20,000 to 70,000 Marines within their respective geographical region. MOS 0171 can only be assigned upon completion of 12 months OJT in a Manpower Information System Support Office (MISSO) with approval of the Officer in Charge of the MISSO and CMC (MIF). MOS 0171 should be considered more extensive than MOSs 0121/0193 requirements due to the broad spectrum of functional areas covered. This MOS will be assigned a skill designator MOS only.

b. Requirements/Prerequisites

(1) Input for this MOS will normally be restricted to Marines possessing MOS 0121, or MOS 0193.

(2) Complete the Advanced Personnel Administration Course conducted at Camp Lejeune, NC, and demonstrate MOS qualifications through the respective MISSO.

(3) Demonstrate qualification through performance during a 12-month tour in a MISSO. Assignments are made to qualified Marines who:

(a) Demonstrate advanced proficiency of a windows working environment.

(b) Demonstrate advanced proficiency of the Marine Corps standard word processing and database software.

(c) Demonstrate advanced knowledge of Local Area Network (LAN), Wide Area Network (WAN), and Deployed Local Area Network (DLAN).

(d) Demonstrate advanced knowledge and capabilities of Marine Corps Total Force System (MCTFS).

(e) Demonstrate advanced knowledge and capabilities of Unit Diary/Manpower Integrated Personnel System (UD/MIPS).

(f) Demonstrate advanced knowledge of Terminal Area Security Officer (TASO) responsibilities/duties.

(g) Demonstrate advanced knowledge of the Automated Pay System.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill

(1) Personnel Clerk, 0121.

(2) Personnel Administrative Chief, 0193.

6. MOS 0193, Personnel/Administrative Chief (MGySgt to SSgt)

a. Summary. Personnel/Administrative chiefs perform supervisory duties as midlevel office managers in a variety of administrative assignments. Personnel/administrative chiefs must possess a thorough knowledge of the capabilities and requirements of Marine Corps standard word processing and database software packages, and the Marine Corps Total Force System (MCTFS), which encompasses the On-line Diary System (OLDS) and the Unit Diary/Marine Integrated Personnel System (UD/MIPS). Normally, personnel/administrative chiefs are assigned at the reporting unit level, to include consolidated administration centers, adjutants office, staff level billets, i.e., HQMC staff section, G-1/S-1, etc., or independent duty in an administrative billet. Personnel/Administrative chiefs must have an overall knowledge of personnel (general and operational) administration procedures in order to establish, direct, and supervise the administrative functions of the office to which assigned. The personnel/administrative chief must maintain

technical proficiency in the duties performed by Marines in MOSs 0121, and 0151. When assigned to staff billets, personnel/administrative chiefs supervise the flow of paperwork to ensure proper staffing of all inbound and outbound correspondence, drafting/publishing, and supervising the maintenance and distribution of directives and correspondence.

b. Requirements/Prerequisites

(1) All Marines are expected to qualify for this MOS by completing the Advanced Personnel Administration Course conducted at MCB Camp Lejeune, NC. When a Marine is unable to attend this course prior to promotion to staff sergeant, MOS 0193 may be assigned at the commander's discretion, if the Marine has demonstrated proficiency in the duties and tasks identified in MCO 1510.53. Upon promotion to staff sergeant, assignment of MOS 0193 does not exempt the Marine from attendance and completion of the Advanced Personnel Administration Course. This MOS will not be assigned to Marines below the rank of staff sergeant.

(2) Must have previously served in MOS 0121 or 0151.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Supervisor, Personnel Clerks 209.132-010.

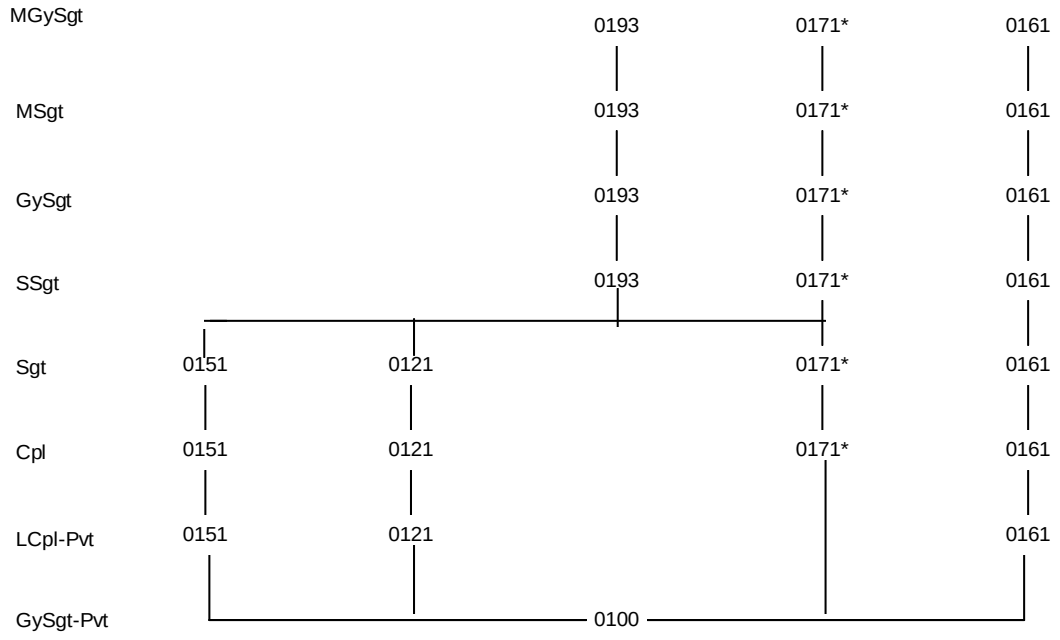
(2) Manager, Office 169.167-034.

(3) Manager, Personnel 166.167-034.

e. Related Military Skill

(1) Personnel Clerk, 0121.

(2) Administrative Clerk, 0151.



* Skill Designator MOS only.

MOS	TITLE
0100	Basic Administrative Marine
0121	Personnel Clerk
0151	Administrative Clerk
0161	Postal Clerk
*0171	Manpower Information Systems Analyst
0193	Personnel/Administrative Chief

FIGURE 3-1.--Personnel and Administration Career Structure Chart

MOS 0121, Personnel Clerk

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt	Principles of Instruction for the Marine NCO MCI 001	Immediate Personnel Administration Course (IPAC) Reserve Administration Course Counseling for Marines MCI 0112 Basic Pay and Allowances MCI 3422	**FMF Duty**: MEU/MEF/Div MAW/FSSG/ MARFOR HQ/MCSF **Non-FMF Duty**: MCSA/DFAS/HQMC/ MCRD/MCD/BASE/ Station/Joint Staff/ Independent Duty (A-Billet)
Cpl	Fundamentals of Marine Corps Leader-Ship MCI 0033/34 or MCI 0035	Intermediate Personnel Administration Course (IPAC) Counseling for Marines MCI 0112 Order Writing Clerk MCI 0138 Legal Administration Clerk MCI 0143 The Unit Mail Clerk MCI 0144 Reserve Administration Course Math for Marines MCI 1334 Basic Pay and Entitlements MCI 3422	**FMF Duty**: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF **Non-FMF Duty**: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty/ (A-Billet)

FIGURE 3-1.--Personnel and Administration Career Structure Chart

Pvt/LCpl	Personnel Clerk Course	Spelling MCI 0118 Punctuation MCI 0119 Correspondence Procedures MCI 0131 Order Writing Clerk MCI 0138 Reserve Administration Course Math for Marines MCI 1334 Personal Financial Management MCI 3420	**FMF Duty**: MEU/MEF/Div HQ/ MAW/FSSG/MARFOR HQ/MCSF **Non-FMF Duty**: MCSA/DFAS/HQMC MCRD/MCD/Base/ Station/ Independent Duty/(A-Billet)

MOS 0151, Administrative Clerk

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt	Principles of Instruction for the Marine NCO MCI 001	Intermediate Personnel Administration Course (IPAC) Counseling for Marines MCI 0112 Reserve Administration Course	**FMF Duty**: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF **Non-FMF Duty**: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty/ (A-Billet)
Cpl	Fundamentals of Marine Corps Leadership MCI 0033 MCI 0034 or 0035	Intermediate Personnel Administration Course (IPAC) Counseling for Marines MCI 0112 Legal Administration Clerk MCI 0143 The Unit Mail Clerk MCI 0144 Reserve Administration Course Math for Marines MCI 1334	**FMF Duty**: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF **Non-FMF Duty**: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/ Independent Duty (A-Billet)

FIGURE 3-1.--Personnel and Administration Career Structure Chart

Pvt/LCpl	Administrative Clerk Course	Spelling MCI 0118 Punctuation MCI 0119 Correspondence Procedures MCI 0131 Order Writing Clerk MCI 0138 Legal Administration Clerk MCI 0143 The Unit Mail Clerk MCI 0144 Math for Marines MCI 1334 Reserve Administration Course Personal Finance Management MCI 3420	**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF **Non-FMF Duty:** MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/ Independent Duty (A-Billet)

MOS 0161, Postal Clerk

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ **Non-FMF Duty:** HQMC/Base/Station
MSgt			**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/ **Non-FMF Duty:** None
GySgt	Postal Supervisor Course SNCO Advanced Course		**FMF Duty:** MEU/MEF/Div HQ MAW/FSSG/ MARFOR HQ/ **Non-FMF Duty:** HQMC/Base/Station

FIGURE 3-1.--Personnel and Administration Career Structure Chart

SSgt	Postal Supervisor Course		**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/ **Non-FMF Duty:** HQMC/Base/Station
Sgt		Counseling for Marines MCI 0112	**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/ **Non-FMF Duty:** HQMC/Base/Station
Cpl	Postal Operations Course	Personal Financial Management MCI 3420	**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/ **Non-FMF Duty:** HQMC/Base/Station
Pvt/LCpl	Postal Operations Course	Math for Marines MCI 1334 The Unit Mail Clerk MCI 0144	**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/ **Non-FMF Duty:** HQMC/Base/Station

MOS 0171, Manpower Information Systems Analyst

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt-Cpl	Advanced Personnel Administration Course		

MOS 0193, Personnel/Administrative Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF **Non-FMF Duty:** MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty (A-Billet)

FIGURE 3-1.--Personnel and Administration Career Structure Chart

MSgt	MAGTF/Marine Corps Planning Process MCI 8845	Reserve Administration Course	**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF **Non-FMF Duty:** MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty (A-Billet)
GySgt	SNCO Advanced Resident Course Staff NCO Advanced Distance Education Program MCI 7200 MAGTF/Marine Corps Planning Process (MCPP) MCI 8845 Warfighting Skills Distance Education Program MCI 7400	Advanced Personnel Administration Course Reserve Administration Course	**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF **Non-FMF Duty:** MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty/ (A-Billet)
SSgt	SNCO Career Resident Course SNCO Career Distance Education Program MCI 7100	Advanced Personnel Administration Course Reserve Administration Course Intermediate Personnel Administration Course (IPAC)	**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF **Non-FMF Duty:** MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty (A-Billet)

FIGURE 3-1.--Personnel and Administration Career Structure Chart

3107. **OCCUPATIONAL FIELD 02, INTELLIGENCE**

1. Introduction. The Intelligence OccFld conducts the collection, processing, and dissemination of intelligence. The specialties within the Intelligence OccFld are analysis, counterintelligence, imagery interpretation, interrogation-translation, and geographic intelligence. Basic qualification requirements include clerical, communication, and computer skills. Intelligence specialists are required to learn and master a variety of analytical and technical skills. Formal schooling is mandatory for assignment of an intelligence MOS. Entry-level Marines enter the field in MOS 0231, (Intelligence Specialist) or MOS 0261 (Geographic Intelligence Specialist). Entry into MOS 0211 (Counterintelligence Specialist), 0241 (Imagery Interpreter), or 0251 (Interrogator-Translator) is accomplished by lateral move. Duty assignments vary widely from all levels of the Fleet Marine Force to Joint Staffs, to Unified/Commands. Intelligence Marines also have the opportunity to serve in Category "B" billets such as drill instructor, recruiter, and Marine Security Guard duty. Marines entering the OccFld will receive MOS 0200, Basic Intelligence Marines, while participating in on-the-job training (if required) and/or attending formal school. All Marines assigned an intelligence MOS must submit a Single Scope Background Investigation (SSBI) prior to attending formal school. Intelligence MOS Marines must have an adjudicated SSBI to qualify for assignment of one of the primary intelligence MOSs. Intelligence MOSs are assigned and voided only by the Commandant of the Marine Corps (MM) in coordination with the Occupational Field 02 Specialist’s recommendations.

2. MOS 0211, Counterintelligence/HUMINT Specialist (MSgt to Cpl)

a. Summary. Counterintelligence (CI)/HUMINT specialist are created by lateral move from any MOS. They are involved in all facets of planning and conducting CI and human intelligence operations and activities. CI activities are concerned with identifying and counteracting the threat of friendly forces posed by hostile intelligence organizations, or by persons engaged in espionage, sabotage, subversion or terrorism. HUMINT activities are designed to obtain intelligence information using human beings as both sources and collectors, where the human being is the primary collection instrument. CI/HUMINT specialists are expected to possess a working knowledge of the organization, operations, and techniques employed by foreign intelligence services and terrorist organizations. They conduct human intelligence operations to collect information of intelligence value for the commander. They collect information/intelligence by means of interrogation, debriefing, and screening. A specific percentage of 0211s will undergo language training. Qualified CI/HUMINT specialist use foreign language skills or interpreters to conduct CI/HUMINT activities and exploit foreign language documents and recordings. In addition to knowing a foreign country's language, they are familiar with the area, the customs and traditions of its people, and the infrastructure of a foreign force. In support of these functions, CI/HUMINT specialists utilize automated databases, interview/interrogation techniques, liaison, specialized CI techniques, technical support measures, intelligence/investigative photography, reporting-writing techniques and other capabilities as required to accomplish the mission. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must be a male corporal or sergeant of any MOS.

(2) Must be interviewed and recommended for a lateral move by screening board of CI/HUMINT personnel.

(3) Must possess a GT score of 110 or higher.

(4) Must take the Defense Language Aptitude Battery (DLAB) test and be willing to undergo language training. Marines who can meet the minimum standard Defense Language Proficiency Test (DLPT) score for a language may be excluded from the DLAB requirement.

(5) Must be a volunteer.

(6) Must be a U.S. citizen.

(7) Must be eligible for access to Sensitive Compartmented Information predicated upon a Single Scope Background Investigation (SSBI). Application for the SSBI must be submitted prior to attendance of the MAGTF CI/HUMINT Course at NMITC, Dam Neck, VA.

(8) Must be 21 years of age prior to lateral move into the CI/HUMINT MOS.

(9) Marine must complete the Nelson-Denney examination at a base education center or similarly accredited education establishment and achieve a minimum score of 10.

(10) Marines must complete the MAGTF CI/HUMINT Course, Navy Marine Corps Intelligence Training Center (NMITC), Dam Neck, VA. Marine Corps Reservist who successfully completes the MAGTF CI/HUMINT Course will be awarded MOS 0211 as an additional MOS. MOS 0211 will be granted to Reservists initially as an additional MOS and will be granted as a primary MOS only after completing the MAGTF Counterintelligence/HUMINT Reserve Course, NMITC, Dam Neck, VA, and serving 2 years in a 0211 billet.

(11) Prior to entry into the MAGTF CI/HUMINT Course, must have sufficient obligated service to allow 24 months remaining upon graduation.

(12) Prior to entry into DLI, must have sufficient obligated service to allow 24 months remaining upon graduation.

(13) Must have taken an accredited typing test and attained a minimum score of 30 words per minute.

(14) Must submit to a Counterintelligence Scope Polygraph Examination.

(15) Must possess a valid U.S. driver's license.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Interpreter 137.267-010.

(2) Translator 137.267-018.

(3) Intelligence Specialist 059.267-014.

(4) Counterintelligence Agent 378.267-010.

e. Related Military Skill. Intelligence Specialist, 0231.

3. MOS 0212, Technical Surveillance Countermeasures (TSCM) Specialist (MSgt to Sgt)*

a. Summary. Technical surveillance countermeasures trained and certified counterintelligence specialists are involved in all facets of planning and conducting tactical, strategic, and joint TSCM operations and activities. These activities are designed to locate, identify, and neutralize the threat of technical surveillance penetration of sensitive areas. These specialists are expected to possess a working knowledge of the techniques and equipment employed by foreign intelligence services and terrorist organizations for the technical penetration of spaces. These specialists normally perform as members of a CI TSCM sub-team or detachment; however, they may also perform duties in support of Naval Criminal Investigative Service; as a TSCM instructor at Ft Meade, MD; or as a TSCM representative to national level CI/investigative agencies. This MOS is to be assigned only as a skill designator MOS and will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must hold primary MOS 0211.

(2) Must be a sergeant or above.

(3) Complete the Technical Surveillance Countermeasures Fundamentals Course and the Technical Surveillance Countermeasures Course (3C-ASI9L/244-ASI69).

(4) Must have 36 months obligated service remaining upon completion of the TSCM Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. Counterintelligence Specialist, 0211.

4. MOS 0231, Intelligence Specialist (MSgt to Pvt)

a. Summary. Intelligence specialists are familiar with all phases and facets of intelligence operations. Typical duties of intelligence specialists involve the collection, recording, analysis, processing, and dissemination of information/ intelligence. The intelligence specialist, depending on his/her rank, may supervise intelligence sections of commands up to and including MEF. This MOS will be assigned and voided only by the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the MAGTF Intelligence Specialist Entry Course, Navy Marine Corps Intelligence Training Center (NMITC), Dam Neck, VA.

(3) Selected Marine Corps Reservists without previous active duty intelligence experience who successfully complete Phases I and II of the MAGTF Intelligence Specialist Reserve Course, NMITC, Dam Neck, VA, will be awarded MOS 0231 as an additional MOS only. SMCR Marines holding additional MOS 0231 may

receive primary MOS 0231 after serving 3 years in the billet MOS unless sooner waived by CMC (C4).

(4) Must be eligible for access to Sensitive Compartmented Information based on a completed Single Scope Background Investigation (SSBI). Marine recruits must submit their special background investigation prior to departure from the recruit depot.

(5) Must have 24 months obligated service remaining upon graduation from the MOS producing school.

(6) Must be a U.S. citizen.

(7) Types a minimum of 25 words per minute.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Intelligence Specialist 059.267-010.

(2) Intelligence Clerk 249.387-014.

e. Related Military Skill. Imagery Interpretation Specialist, 0241.

5. MOS 0241, Imagery Analysis Specialist (MSgt to Sgt)

a. Summary. MOS 0241, Imagery Analysis Specialists are accessed by lateral move from any MOS. They process and analyze imagery gathered by various sensor platforms to derive intelligence. They use photogrammetric skills to assist the commander in accurate target acquisition and perform reconnaissance mission planning for multi-mission, multi-source imagery reconnaissance. Intelligence derived by the imagery analyst is used in updating military intelligence databases at national, theater, and organic level. Imagery analysis products include battle damage assessment (BDA), order of battle (OOB), lines of communication (LOC) surveys, helicopter landing zone (HLZ), coastal landing beach, and target identification.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Imagery Analysis Apprentice Course, Goodfellow AFB, TX.

(3) Must have 36 months obligated service remaining upon completion of training.

(4) This MOS may be recruited for and accessed from the SMCR entry-level training pipeline (E1-E4).

(5) Must have normal color vision and normal stereoscopic acuity.

(6) Must be a U.S citizen.

(7) Must be eligible for access to Sensitive Compartmented Information, based upon a Single Scope Background Investigation. The Single Scope Background

Investigation must be submitted prior to departure to the Imagery Analysis Apprentice Course at Goodfellow AFB, TX.

(8) The MOS will be assigned and voided only by the CMC (MM).

(9) Must be a sergeant of any MOS; however, corporals may be considered if otherwise exceptionally qualified.

(10) All Marines requesting a lateral move into the MOS 0241, USMC and USMCR, must have a screening interview conducted by a 0241 GySgt or above. Interview waivers can be granted only by the OccFld 02 Manager or CMC (MM).

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Aerial-Photograph Interpreter 029.167-010.

(2) Photogrammetrist 018.261-026.

e. Related Military Skill. Geographic Intelligence Specialist, 0261.

6. MOS 0251, Interrogator/Debriefer (MSgt to Cpl)

a. Summary. Interrogator/Debriefers are created by lateral move from any MOS. They collect information/intelligence from human sources by means of interrogation, debriefing, and screening. They translate and exploit foreign language documents and recordings. In addition to knowing a foreign country's language, they are familiar with the area and the customs and traditions of its peoples. Typical duties are screening and interrogation of enemy POWs, line crossers, refugees, and other displaced persons, exploiting foreign language documents, and participating in noncombatant evacuation operations (NEO). This MOS will be assigned and voided only by the CMC (MM). This MOS will be awarded to USMCR Marines only.

b. Requirements/Prerequisites

(1) Must have a GT score of 100 or higher and a DLAB score of 100 (DLAB is waiverable to 90, if the Marine meets all other prerequisites). Marines who can meet the minimum standard DLPT score for a language may be excluded from the DLAB requirement.

(2) Must be a male corporal or sergeant of any MOS, waiverable.

(3) Must be eligible for access to Sensitive Compartmented Information predicated upon a Single Scope Background Investigation. Application for the Single Scope Background Investigation must be submitted prior to attendance of the MAGTF Interrogation of Prisoners of WAR (IPW) Course at NMITC, Dam Neck, VA.

(4) Complete the MAGTF IPW Course at NMITC, Dam Neck, VA, and if not a native linguist, a course of language instruction at the Defense Language Institute. Language proficiency and other prerequisites are outlined in MCO 3876.1.

(5) Marine Corps Reservists without previous active duty intelligence experience who successfully complete Phases I, II, and III of the Interrogation of Prisoners of War Reserve Course, NMITC, Dam Neck, VA, will be awarded MOS 0251 as an additional MOS only. MOS 0251 will be granted to Reservists as a primary MOS after

completing Phases I, II, and III of the Interrogation of Prisoners of War Reserve Course, NMITC, Dam Neck, VA, and serving 4 years in a 0251 billet within the Selected Marine Corps Reserve.

(6) Complete a course of language instruction at the Defense Language Institute, Monterey, CA. Language proficiency and other prerequisites are outline in MCO 3876.1.

(7) Must be a U.S. citizen.

(8) Must be interviewed by a screening board of ITT personnel IAW MCO 3876.1.

(9) Must display command of the English language through both oral and written communication.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Readiness and Training Manual.

d. Related DOT Classification/DOT Code

(1) Interpreter 137.267-010.

(2) Translator 137.267-018.

e. Related Military Skill

(1) Counterintelligence/HUMINT, 0211.

(2) Intelligence Specialist, 0231.

7. MOS 0261, Geographic Intelligence Specialist (MSgt to Pvt)

a. Summary. MOS 0261, Geographic intelligence specialist is an entry level primary MOS. Geographic intelligence specialists collect, analyze, and process geophysical data. They perform precision ground control survey operations to provide the positional data required for various weapons delivery and C3 systems, construct and revise military maps and charts, conduct geodetic, topographic, and hydrographic survey operations, and analyze terrain and hydrography as a functional aspect of military intelligence. Equipment utilized includes survey and mapping instrumentation such as the theodolites, electronic and satellite positioning equipment, and microcomputer based mapping equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) High school courses in algebra, geometry, and trigonometry are highly desirable.

(3) Must be eligible for access to Sensitive Compartmented Information, predicated upon a Single Scope Background Investigation. Marine recruits must submit their Single Scope Background Investigation prior to departure from the recruit depot.

(4) Must complete the Basic Geographic Intelligence Course at Defense Mapping School, Ft Belvoir, VA.

(5) Must have normal color vision and normal stereoscopic acuity.

(6) All Marines requesting a lateral move to MOS 0261, USMC and USMCR, must have a screening interview conducted by a 0261 GySgt or above. Interview waivers can be granted only by the 02 OccFld Manager or CMC (MM).

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Geodetic Computer 018.167-014.

(2) Surveyor, Geodetic 018.167-038.

(3) Surveyor, Marine 018.167-046.

(4) Drafter, Cartographic 018.261-010.

e. Related Military Skill. Imagery Analysis Specialist, 0241.

8. MOS 0291, Intelligence Chief (MGySgt)

a. Summary. Intelligence chiefs assist and advise the AC/S, G-2 concerning the operation of the intelligence section. Their responsibilities are to ensure efficient operation of the intelligence section by supervising, instructing, and assisting section personnel in the performance of their duties. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

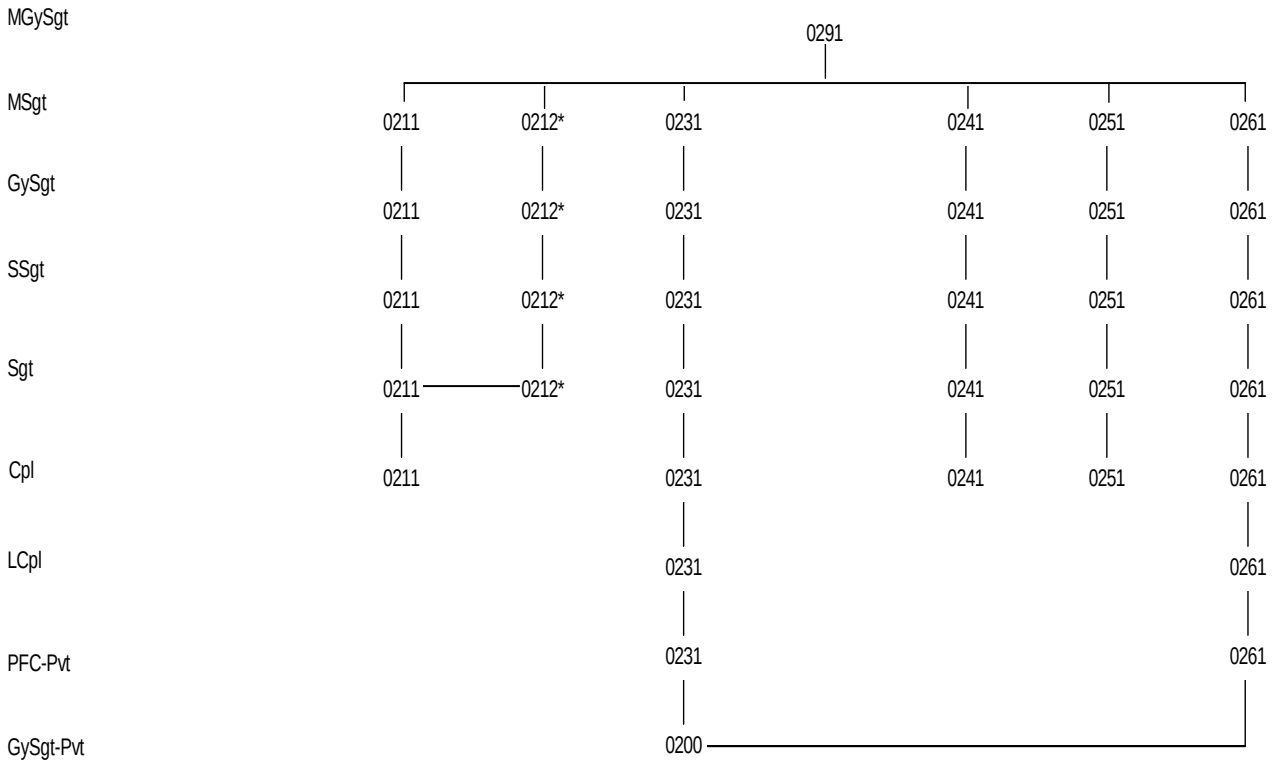
(1) Must hold primary MOS 0211, 0231, 0241, 0251, or 0261.

(2) Must be eligible for access to Sensitive Compartmented Information, predicated upon a Single Scope Background Investigation.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Intelligence Specialist 059.267-014.

e. Related Military Skill. Intelligence Specialist, 0231.



* Skill designator MOS only.

MOS	TITLE
0200	Basic Intelligence Marine
0211	Counterintelligence Specialist
*0212	Technical Surveillance Countermeasure Specialist
0231	Intelligence Specialist
0241	Imagery Interpretation Specialist
0251	Interrogation-Translation Debriefer
0261	Topographic Intelligence Specialist
0291	Intelligence Chief

FIGURE 3-2.--Intelligence Career Structure Chart

MOS 0211, Counterintelligence Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			0291
MSgt	CI Advanced Course	Military Operations Familiarization Course National Counter Drug Awareness Course Advanced Counter-intelligence Course	**FMF Duty:##** MARFOR HQ/CIT/Staff CI/MEF/SRIG/ Instructor **Non-FMF Duty:** None
GySgt	CI Advance Course SNCO Advance Course	Strategic Debriefing Interrogation Course National Counter Drug Awareness Course DIA Multi-disciplinary Counter Intelligence Analyst Course Undergraduate Intelligence Program (UGIP) Advanced Counter-intelligence Course	**FMF Duty:**## MARFOR HQ/CIT/Staff CI/MEF/SRIG/ Instructor **Non-FMF Duty:** HMX-1/MSGBn
Sgt/SSgt		Designated Language School Interrogation MAGTF Interrogation Prisoner of War Course Military Operations Training Course Technical Surveillance Countermeasures Training Course Dynamics of International Terrorism Course Computer Systems Security Course Operations Specialist Support Course	**FMF Duty:**# CIT/SRIG **Non-FMF Duty:** Instructor/ I&I Staff

FIGURE 3-2.—Intelligence Career Structure Chart

		Parachutist Qualification School Defense Polygraph Institute Undergraduate Intelligence Program (UGIP)###	
Cpl	MAGTF Counterintelligence Course		**FMF Duty:** MARFOR HQ/MEF/Div HQ/MAW/FSSG/ CIT/SRIG **Non-FMF Duty:** None
	(Initial MOS Qualification training receives MOS 0211)		

\# 6-14 years after formal school training.
\## Return to Primary MOS for further training.
\### SSgt only.

MOS 0231, Intelligence Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			0291
MSgt	SNCO Intelligence Course	Financial Management of Intelligence	**FMF Duty:** MARFOR HQ/MEF/Div/ FSSG/Regt/ MAG/MEU/ SRIG/MAW **Non-FMF Duty:** NMITC/MCCDC/ HQMC/DIA/Joint Staffs
GySgt	Sergeants Course	Undergraduate Intelligence Program (UGIP) Intelligence Collection Management Course	**FMF Duty:** MARFOR HQ/MEF/Div/ MAW/FSSG/Regt/ MAG/MEU **Non-FMF Duty:** NMITC/MCCDC/ HQMC/DIA/Joint Staffs/MSGBn

FIGURE 3-2.--Intelligence Career Structure Chart

SSgt	Sergeants Course	Dynamics of International Terrorism Undergraduate Intelligence Program (UGIP) Computer Systems Security Course Intelligence Analyst Course (IAC) I&W Course Intelligence Collection Management Course	**FMF Duty:** Bn/Sqdn/Regt/ MAG/MEU/FSSG/ Div HQ/MAW/MEF/ MARFOR HQ **Non-FMF Duty:** DIA/HQMC/MCCDC/ MCAGCC/ Instructor/ I&I Staff
Sgt	Sergeants Course	Combat Targeting Course IAS Systems Admin Course National Intelligence Course Intelligence Collection Management Course	**FMF Duty:** Bn/Sqdn/Regt/ MAG/MEU/FSSG/ MAW/Div HQ/MEF/ **Non-FMF Duty:** Joint Staffs/ RCTG/ HQMC/MCCDC/I&I Staff
Cpl-Pvt	MAGTF Intelligence Specialist Entry Course	IAS Operators Course IAS Sys Admin Course	**FMF Duty:** MARFOR HQ/MEF/Div/ MAW/FSSG/MAG/ REGT/Bn/Sqdn **Non-FMF Duty:** None

MOS 0241, Imagery Analysis Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			0291
MSgt			**FMF Duty:** Intel Bn/MCISU **Non-FMF Duty:** HQMC/JFIC/JICPAC
GySgt/SSgt		Requirements Management System course Joint Imagery Analysis Course (JIAC)	**FMF Duty:** Intel Bn/ MCISU/MEU/ PAC/LANT/MEF/ MAW/VMU

FIGURE 3-2.—Intelligence Career Structure Chart

		Intelligence Collection Management Course Undergraduate Intelligence Program (UGIP) Combat Targeting Course Joint Targeting School Battle Damage Assessment Course Afloat Imagery Managers Course Intro to Remotely Sensed Imagery and Geographic Imagery Ground Station Operators Course (JSTARS School) Community Imagery Analysis Course	**Non-FMF Duty**: HQMC/JFIC/ JICPAC/JTF6 ENTCOM/ SOUTHCOM JAC MOLESW UK/ MCIA/USFK/ MARCORSYSCOM/ DI/RTG/ MSG/Instructor
Sgt/Cpl		Joint Imagery Analysis Course (JIAC) Community Imagery Analysis Course	**FMF Duty**: Intel Bn/ MCISU/MEU/ **Non-FMF Duty**: None

MOS 0251, Interrogator/Debriefer

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			0291
MSgt		MAGTF Advance CI Course	**FMF Duty**: Div HQ/SRIG **Non-FMF Duty**: HQMC/ Instructor/ Jt Staffs

FIGURE 3-2.--Intelligence Career Structure Chart

GySgt	Advance Language Training SNCO Advanced Course	Intelligence Collections Management Course Military Operations Familiarization Course MAGTF Advance CI Course Undergraduate Intelligence Course (UGIP)	**FMF Duty:** Div HQ/SRIG **Non-FMF Duty:** Instructor/ HQMC/Jt Staffs
SSgt	DOD Strategic Debriefing Course Intermediate Level Language Training SNCO Career Course	Attache Staff Operations Course Parachutist Qualification School Undergraduate Intelligence Course (UGIP)	**FMF Duty:** SRIG/Intel Specialist **Non-FMF Duty:** Instructor/Jr Staffs
Sgt	Intermediate Level Intel Courses w/2 years experience	SERE School Computer System Security Course	**FMF Duty:** ITP/SRIG **Non-FMF Duty:** I&I Staff
Cpl	MAGTF Interrogation of Prisoner of War Course		**FMF Duty:** ITP/SRIG **Non-FMF Duty:** None

#IPW Course/Language Training Receives MOS 0251

MOS 0261, Geographic Intelligence Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			0291
MSgt			**FMF Duty:** Intel Bn/PAC **Non-FMF Duty:** None
GySgt/SSgt		Advanced Topographic Analysis Course Advanced Geodetic Surveying Course Topographic Officer Management Course	**FMF Duty:** Intel Bn/MEU/ PAC/MEF **Non-FMF Duty:** CENTCOM/DIA/ MCIA/ MARCORSYSCOM/ DI/RTG/ MSG/Instructor

FIGURE 3-2.—Intelligence Career Structure Chart

		Geospacial Information and Services (GI&S) Joint Staff Officer Course	
		##Undergraduate Intelligence Program (UGIP)	

#Sgt/Cpls can also attend these courses if they are on their second reenlistment or have agreed (in writing - via page 11 entry) to re-enlist.

##For Sgt and above with a minimum of eight years of intelligence experience. See latest applicable MARADMIN message for prerequisites and application instructions.

Sgt/Cpl		#Intro To Remotely Sensed Imagery and Geographic Information Systems Course (RSI/GIS)	**FMF Duty:** Intel Bn/MEU/MEF/ Div **Non-FMF Duty:** JFIC/JICPAC/ DI/RTG/ MSG/Instructor

#LCpls can also attend this course if it is required training for their billet.

LCpl/Pvt	Basic Geographic Intelligence Specialist (BGIS) Course Introduction to Combat Intelligence (MCI 02.8b)		**FMF Duty:** Intel Bn/MEU/ DIV **Non-FMF Duty:** None

MOS 0291, Intelligence Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MARFOR HQ/ MEF/Div HQ/ MAW/FSSG **Non-FMF Duty:** NMITC/HQMC

FIGURE 3-2.--Intelligence Career Structure Chart

3108. **OCCUPATIONAL FIELD 03, INFANTRY**

1. Introduction. Naval oriented expeditionary warriors of final resort providing maximum versatility in chaotic and uncertain conditions of crisis and conflict; trained in core competencies of gunnery on infantry weapons, combat operations, and battlefield awareness; employing a variety of weapons, and through communications links, supporting arms including artillery, naval gunfire, and close air support; sea-based, projecting onto vital littorals in any climate or place, capable of the full spectrum of combat, day or night, against opposing forces with a full spectrum of capabilities, including NBC; using maneuver warfare to locate, close with, and destroy the enemy by fire and maneuver; either on foot or mounted on trucks, assault vehicles, assault craft, or vertical assault aircraft; able to secure and defend self and vital terrain by repelling the enemy's assault by fire, maneuver, and close combat; cultivated in a leadership continuum that develops the basic warrior through experience and coaching into a fully qualified noncommissioned officer and staff noncommissioned officer, a combat leader of Marines who trains and directs the actions of Marines in teams, sections, squads, and platoons, while coordinating with higher and adjacent units and supporting units.

2. MOS 0311, Rifleman (Sgt to Pvt)

a. Summary. The riflemen employ the M16A2 service rifle, the M203 grenade launcher and the squad automatic weapon (SAW). Riflemen are the primary scouts, assault troops, and close combat forces available to the MAGTF. They are the foundation of the Marine infantry organization, and as such are the nucleus of the fire team in the rifle squad, the scout team in the LAR squad, scout snipers in the infantry battalion, and reconnaissance or assault team in the reconnaissance units. Noncommissioned officers are assigned as fire team leaders, scout team leaders, rifle squad leaders, or rifle platoon guides.

b. Requirements/Prerequisites

(1) Must possess a GT score of 80 or higher.

(2) Complete the Marine Rifleman Course at the School of Infantry, MCCSSS Camp Pendleton, CA, or MCCSSS Camp Lejeune, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.35D, Individual Training Standards.

d. Related DOT Classification/DOT Code. Combat Rifle Crewmember.

e. Related Military Skill

(1) Machine Gunner, 0331.

(2) Infantry Assaultman, 0351.

3. MOS 0313, LAV Crewman (Sgt to Pvt)

a. Summary. The LAV crewman provides driving skills for all mission role vehicles organic to the LAR battalion and gunnery skills for the coaxial 7.62 mm machine-gun and 25mm chain gun on the LAV (25) variant. LAV crewmen are proficient in mobile screening and reconnaissance techniques in support of the MAGTF. Noncommissioned officers are assigned as vehicle commanders and LAR squad leaders.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Must complete ITB as an 0311, 0331, or 0352.

(2) Complete the LAV Crewman Course for assignment as a primary MOS, or completion of appropriate MOJT for assignment as an additional MOS.

(3) Must be qualified as a 2d class swimmer.

(4) Vision of 20/200 correctable to 20/20.

(5) Must possess the psychological and physiological qualifications required for licensing as a Government motor vehicle operator; see MCO 11240.66 and TM 11240-15/3.

(6) Must have a past driving record appropriate for issue of SF-46 as evidenced by a search of the National Driver Register.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.35, Individual Training Standards.

d. Related DOT Classification/DOT Code. Armor Reconnaissance Specialist 378.363-010.

e. Related Military Skill. Tank Crewman, 1811.

4. MOS 0321, Reconnaissance Man (MGySgt to Pvt)

a. Summary. The reconnaissance man is responsible for providing the amphibious, long range, small unit, ground reconnaissance and raid skills to support the MAGTF. He is the nucleus of a reconnaissance team in the reconnaissance battalion or the reconnaissance or assault team in the force reconnaissance company. In addition to basic infantry skills, he is responsible for highly refined scouting and patrolling skills. Also, he must possess advanced proficiency in scout swimming, small boat operations, close combat skills, helicopter and submarine insertion/extraction techniques, assault climbing, demolitions, forward observer procedures for supporting arms, initial terminal guidance operations for heliborne assaults, airborne insertion operations, and various waterborne operations, communications, photography, threat weapons and equipment recognition, and various types of point, area, and related necessary overlap of amphibious reconnaissance operations. Marines assigned to assault teams possess advanced skills in assault weaponry, breaching demolitions, and close quarter battle skills and raid techniques. Selected reconnaissance men are further trained asstatic line and free-fall parachutists and combatant divers. Noncommissioned officers are assigned as reconnaissance and assault team leaders or their assistants and may be qualified as static line and free-fall jumpmasters, dive supervisors, helicopter insertion/extraction masters (HRST), and tandem offset resupply delivery system (TORDS) operators.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Complete Survival Evasion Resistance and Escape (SERE) School.

(3) Must possess a first class swimmer qualification.

(3) Must obtain a first class score on the PFT.

(4) Must have 20/200 near visual acuity or visual acuity not to exceed 20/400 with a completed PRK eye surgery candidate consult. Normal color vision is recommended, but not required provided the Marine can complete a vivid red and vivid green recognition test. These standards are coordinated with BUMED for interservice school attendance requirements, as required. Changes may occur in between MOS Manual updates as required by interservice advocate agreements and will be outlined in the P117 Medical Manual of the Navy and Army, AR 40-501.

(5) Must complete Marine Rifleman Course, or appropriate MOJT.

(6) Assigned as a primary MOS to SSgt and below 03XX Marines by CMC (MM) and Reconnaissance OccFld Manager (PP&O Code POE), and approved lateral-move Marines from any other MOS, who graduate from the Basic Reconnaissance Course (BRC). Volunteers from any MOS may be certified for AMOS only by Recon unit commanders after attending the BRC or through MOJT at a BRC endorsed reconnaissance-training program to include a continuous 6-month assignment in a 0321 billet.

(7) Must be a U.S. citizen.

(8) Must be eligible for a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.35, Individual Training Standards.

d. Related DOT Classification/DOT Code. Reconnaissance Crewmember 378.367-030.

e. Related Military Skill

(1) Rifleman, 0311.

(2) Infantry Unit Leader, 0369.

5. MOS 0331, Machine Gunner (Sgt to Pvt)

a. Summary. The machine gunner is responsible for the tactical employment of the 7.62 mm medium machine-gun, the 50 cal., and 40 mm heavy machine-gun, and their support vehicle. Machine gunners provide direct fire in support of the rifle and LARS quads/platoons/companies and the infantry and LAR battalions. They are located in the weapons platoons of the rifle and LAR companies and the weapons company of the infantry battalion. Noncommissioned officers are assigned as team leaders and squad leaders/section leaders.

b. Requirements/Prerequisites

(1) Must possess a GT score of 80 or higher.

(2) Complete the Machine Gunner Course at the School of Infantry, MCCSSS Camp Lejeune, NC, or MCB Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.35, Individual Training Standards.

d. Related DOT Classification/DOT Code. Infantry Weapons Crewmember 378.684-026.

e. Related Military Skill

(1) Rifleman, 0311.

(2) Antitank Missileman, 0352.

6. MOS 0341, Mortarman (Sgt to Pvt)

a. Summary. Mortarmen are responsible for the tactical employment of the 60mm light mortar and the 81mm medium mortar. Mortarmen provide indirect fire in support of the rifle and Lars quads/platoons/companies and the infantry and LAR battalions. They are located in the weapons platoons of the rifle and LAR companies and the weapons company of the infantry battalion. Noncommissioned officers are assigned as mortar gunners, forward observers, fire direction plotters, and squad and section leaders.

b. Requirements/Prerequisites

(1) Must possess a GT score of 80 or higher.

(2) Complete the Mortarman Course at the School of Infantry, MCCSSS Camp Pendleton, CA, or MCCSSS Camp Lejeune, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.35, Individual Training Standards.

d. Related DOT Classification/DOT Code. Infantry Indirect Fire Crewmember 378.684-022.

e. Related Military Skill. Field Artillery Cannoneer, 0811.

7. MOS 0351, Infantry Assaultman (Sgt to Pvt)

a. Summary. The infantry assaultman is responsible for the tactical employment of the shoulder-launched multipurpose assault weapon (SMAW), the Dragon medium assault antitank weapon, and javelin medium assault antitank weapon. Infantry Assaultmen provide anti-bunker and anti-armor fire in support of the rifle squads/platoons/companies and the infantry battalion, and are located in the weapons platoons and weapons companies of the infantry battalion. Noncommissioned officers are assigned as gunners and team, squad, and section leaders.

b. Requirements/Prerequisites

(1) Must possess a GT score of 80 or higher.

(2) Complete the Infantry Assaultman Course at the School of Infantry, MCCSSS Camp Pendleton, CA, or MCCSSS Camp Lejeune, NC.

(3) Must have normal color vision, and vision of 20/200, correctable to 20/20.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.35, Individual Training Standards.

d. Related DOT Classification/DOT Code. Antitank Assault Gunner 378.464-010.

e. Related Military Skill

(1) Rifleman, 0311.

(2) Antitank Missileman, 0352.

8. MOS 0352, Antitank Missileman (Sgt to Pvt)

a. Summary. The antitank missileman is responsible for the tactical employment of the TOW-2 heavy antitank weapon and vehicle system. They provide antitank fire in support of the infantry regiment, the LAR battalion, the tank battalion, the Marine Division, and the MAGTF. They are located in the antitank platoon of the infantry regiment, the weapons platoon of the LAR Company, and the antitank platoon and scout platoon of the tank battalion. Noncommissioned officers are assigned as gunners and squad leaders.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Complete the Infantry Antitank Missileman Course at the School of Infantry Training Battalion, MCCSSS Camp Pendleton, CA, or MCCSSS Camp Lejeune, NC.

(3) Must have normal color vision, and vision of 20/200, correctable to 20/20.

(4) Must have a past driving record appropriate for issue of SF-46 as evidenced by a search of the National Driver Register.

(5) Must possess the psychological and physiological qualifications required for licensing as a Government motor vehicle operator (see MCO 11240.66 and TM-11240-15/3).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.35, Individual Training Standards.

d. Related DOT Classification/DOT Code. Antitank Assault Gunner.

e. Related Military Skill. Assaultman, 0351.

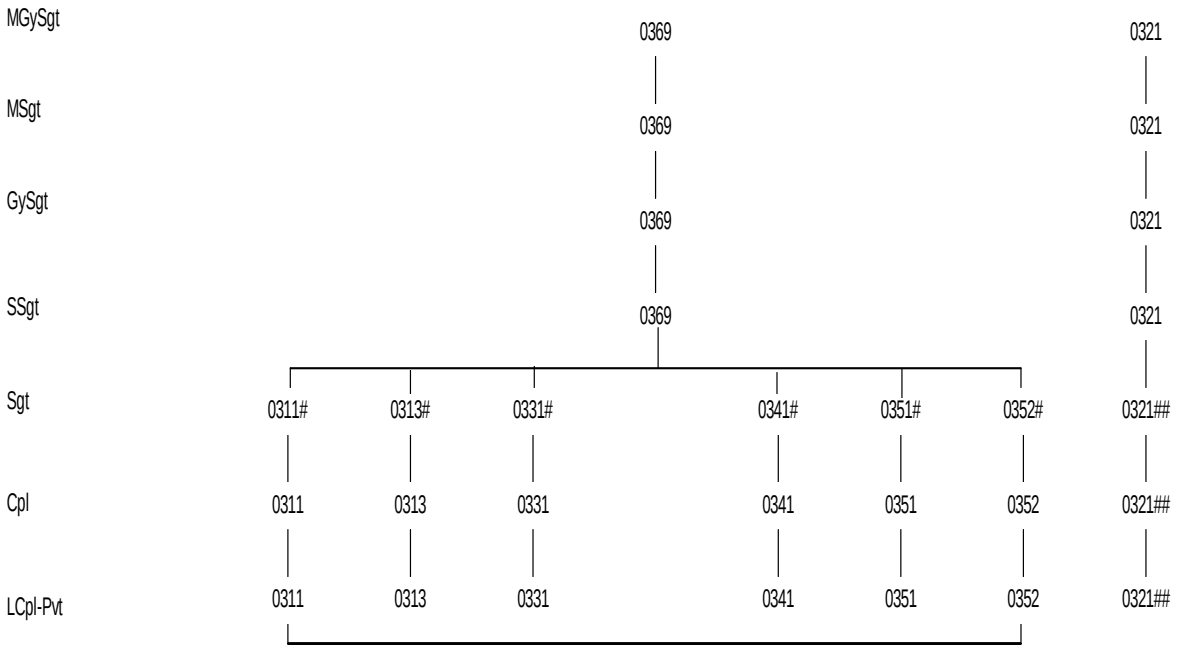
9. MOS 0369, Infantry Unit Leader (MGySgt to SSgt)

a. Summary. The infantry unit leader assists commanders and operations officers in the training, deployment and tactical employment of rifle, weapons, LAR, and antitank platoons/companies and infantry, and LAR battalions, and are proficient in all the infantry weapons systems. They supervise and coordinate the preparation of personnel, weapons and equipment for movement and combat, the establishment and operation of unit command posts, the fire and movement between tactical units, the fire of supporting arms, and the unit resupply and casualty evacuation effort. As a platoon sergeant in the rifle, surveillance and target acquisition, weapons, machine-gun, LAR, and antitank platoons, he advises the platoon commander on all issues of discipline, morale and welfare. He also serves as the section leader for the scout-sniper and various weapons sections and often leads task organized patrols and teams.

b. Requirements/Prerequisites. Complete the Infantry Platoon Sergeants Course at SOI, Camp Pendleton, CA, or SOI, Camp Lejeune, NC, or have held either MOS 0311, 0313, 0331, 0341, 0351 or 0352 upon selection to staff sergeant.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.35, Individual Training Standards.

d. Related DOT Classification/DOT Code. Infantry Unit Leader 378.137-010.



MOS is not retained as a primary MOS upon promotion to SSgt; however, SNCOs assigned to LAV or TOW units must have previously held MOS 0313 or 0352, respectively.

##MOS 0321 is filled by a dual spigot with both entry level designated 03 Marines at SOI and approved operating forces by any PMOS E-5s and below.

0311 Rifleman
0313 LAV Crewman
0321 Reconnaissance Man
0331 Machine Gunner
0341 Mortarman
0351 Infantry Assaultman
0352 Antitank Missileman
0369 Infantry Unit Leader

FIGURE 3-3.--Infantry Career Structure Chart

MOS 0311, Rifleman

Rank	Required Training	Skill Enhancement	MOS Assignment
		Squad Leader Course Sergeants Course	**FMF Duty**: MEF/Div HQ/ MEU/Inf Regt/Inf Bn **Non-FMF duty**: Instructor/ Drill Field/ Recruiting/ MCSF Bn
Cpl		Squad Leader Course	**FMF Duty**: MEU/Inf Regt/ Inf Bn **Non-FMF Duty**: Instructor
LCpl/ Pvt	Rifleman Course		**FMF Duty**: Inf Bn **Non-FMF Duty**: None

MOS 0313, LAV Crewman

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Cpl		Squad Leader Course Sergeants Course	**FMF Duty**: LAR Bn **Non-FMF Duty**: None
LCpl/ Pvt	LAV Crewman Course		**FMF Duty**: LAR Bn **Non-FMF Duty**: None

FIGURE 3-3.--Infantry Career Structure Chart

MOS 0321, Reconnaissance Man

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt/ MSgt	Operation Chief Course		**FMF Duty**: Div Recon Co/Force Recon **Non-FMF Duty**: MCSF/Drill Field/ I&I/Supporting Establishments
GySgt		Operation Chief Course SNCOA Advance Course Infantry Platoon Sergeants Course	**FMF Duty**: Div Recon Co/Force Recon **Non-FMF Duty**: MCSF/Drill Field/ I&I/Supporting Establishments
SSgt		Dive Supervisor Freefall Jumpmaster Infantry Platoon Sergeants Course SNCOA Career Course SERE School	**FMF Duty**: Div Recon Co/Force Recon **Non-FMF Duty**: MCSF/Drill Field/ Recruiting Duty Instructor/ I&I/ Supporting Establishment
Sgt		Static Line Jumpmaster Military Freefall Long Range Surveillance Leader HRST Master Sergeants Course SERE School	**FMF Duty**: Div Recon Co/Force **Non-FMF Duty**: SOTG/BRC

FIGURE 3-3.--Infantry Career Structure Chart

Cpl	Basic Reconnaissance Course	Airborne Course SERE School	**FMF Duty:** Div Recon Co/Force Recon **Non-FMF Duty:** None
Pvt-LCpl	Basic Reconnaissance Course	Combatant Diver Course Airborne Course SERE School	**FMF Duty:** Div Recon Co/Force Recon **Non-FMF Duty:** None

MOS 0331, Machine Gunner

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Cpl		Advance Machinegun Leaders Course	**FMF Duty:** Div HQ/Inf Regt/Inf Bn/LAR Bn **Non-FMF Duty:** None
LCpl/ Pvt	Machine Gunner Course		**FMF Duty:** Div HQ/Inf Regt/Inf Bn/LAR Bn **Non-FMF Duty:** None

MOS 0341, Mortarman

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Cpl		Advance Mortar Leaders Course	**FMF Duty:** Inf Bn/FSSG/ H&S Bn **Non-FMF Duty:** None
LCpl/ Pvt	Mortarman Course		**FMF Duty:** Inf Bn/FSSG/ H&S Bn **Non-FMF Duty:** None

FIGURE 3-3.--Infantry Career Structure Chart

MOS 0351, Infantry Assaultman

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Cpl		Advance Antiarmor Leaders Course	**FMF Duty:** Inf Bn **Non-FMF Duty:** None
LCpl/ Pvt	Assaultman Course		**FMF Duty:** Inf Bn **Non-FMF Duty:** None

MOS 0352, Antitank Missileman

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Cpl		Advance Antiarmor Leaders Course	**FMF Duty:** Tank Bn/HQ Co/ Inf Regt/LAR Bn **Non-FMF Duty:** None
LCpl/ Pvt	Anti-Tank Assault Guided Missileman Course		**FMF Duty:** Tank Bn/HQ Co/ Inf Regt/ LAR Bn **Non-FMF Duty:** None

FIGURE 3-3.--Infantry Career Structure Chart

MOS 0369, Infantry Unit Leader

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt/ MSgt	Infantry Operations Chief Course		**FMF Duty:** Div HQ/Inf Regt/Inf Bn LAR Bn/ **Non-FMF Duty:** MCSF/Drill Field/Recruiter/ Instructor/Marine Security Guard
GySgt		Infantry Operations Chief Course	**FMF Duty:** Div HQ/Inf Regt/Inf Bn/ LAR Bn/ Div Recon Co/Force Recon **Non-FMF Duty:** MCSF/Drill Field/ Instructor
SSgt	Infantry Platoon Sergeants Course		**FMF Duty:** Inf Regt/Inf Bn/LAR Bn/ **Non-FMF Duty:** MCSF/Drill Field/ Recruiter/Marine Security Guard/ Instructor

FIGURE 3-3.--Infantry Career Structure Chart

3109. **OCCUPATIONAL FIELD 04, LOGISTICS**

1. Introduction. Logistics is the science of planning and carrying out the movement and maintenance of forces. It includes the design, development, acquisition, storage, movement, distribution, maintenance, evacuation, and disposition of material; the movement, evacuation, and hospitalization of personnel; the acquisition or construction, maintenance, operation, and disposition of facilities; and the acquisition or furnishings of services. Logistics functions are performed by a wide variety of MOSs in various occupational fields. Enlisted specialties within occupational field 04 provide advice, guidance, logistics/combat service support, embarkation, landing support, and air delivery.

2. MOS 0411, Maintenance Management Specialist (MGySgt to Pvt)

a. Summary. The maintenance management specialist provides advice, guidance, and assistance to the equipment commodity manager, the maintenance commodity manager, and maintenance personnel who perform maintenance and maintenance management duties. The maintenance management officer and maintenance management chief supervise maintenance management personnel, monitor maintenance management programs, policies, and procedures, and analyze maintenance and maintenance management functional areas to ensure effective management of equipment, maintenance, and materiel. The maintenance information coordination specialist assigned to the Maintenance Information Systems Coordination Office (MISCO) ensures the proper functioning of the field maintenance subsystem of the Marine Corps Integrated Maintenance Management System (MIMMS).

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Basic Marine Corps Integrated Maintenance Management System Course, Logistics Operations School, Marine Corps Combat Service Support Schools, Camp Johnson, Camp Lejeune, NC. As provided in paragraph 0005.2, Certification of this Manual, an additional MOS (AMOS) may be awarded by commanders after demonstrated performance of ITSs (see paragraph c. below), and completion of a minimum of 6-months duty while assigned to a 0411 billet.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification/DOT Code. Maintenance Data Analyst 221.367-038.

3. MOS 0431, Logistics/Embarkation and Combat Service Support (CSS) Specialist (SSgt to Pvt)

a. Summary. The logistics/embarkation and combat service support (CSS) specialist assists the embarkation officer and the commander in deploying the force. They provide guidance, assistance, and training to units preparing for deployment. They prepare embarkation/load plans; monitor the loading/offloading of personnel, equipment, and accompanying supplies aboard ships, aircraft, rail, and other modes of transportation. They develop, analyze, and execute movement and embarkation/load plans, as well as conducting arrival/departure airfield control group (A/DACG) and port operations group (POG) operations. Logistics/Embarkation and CSS specialist also perform appropriate administrative duties; compile and maintain logistics and CSS data; compute CSS requirements; and coordinate all basic logistics/CSS functions in support of MAGTF operations. They also assist the logistics officer and perform

assigned tasks within the J/G/S-4 section. MOS 0491 is assigned as the primary MOS upon promotion to gunnery sergeant.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Basic Logistics/Embarkation Specialist Course, Logistics Operations School, Marine Corps Combat Service Support Schools, Camp Lejeune, NC, upon entry or upon lateral move at the grade of corporal and below.

(3) Complete the Logistics/Embarkation Specialist SNCO/NCO Course, Logistics Operations School, Marine Corps Combat Service Support Schools, Camp Lejeune, NC. Sergeants making a lateral move must complete the Logistics/Embarkation Specialist SNCO/NCO Course.

(4) Must be a U.S. citizen.

(5) Must be eligible for a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Shipping and Receiving Clerk 222.387-050.

(2) Cargo Checker 222.367-010.

(3) Stevedore (1) 911.663-014.

(4) Stevedore (2) 922.687-090.

(5) Administrative Clerk 219.362-010.

(6) Clerk, General 209.562-010.

(7) Office Clerk 209.567-022.

(8) Manager, Traffic 184.167-094.

e. Related Military Skill

(1) Traffic Management Specialist, 3112.

(2) Administrative, Clerk 0151.

4. MOS 0451, Parachute Rigger (MGySgt to Pvt)

a. Summary. Parachute riggers are responsible for the maintenance of all life safety equipment relating to Airborne/Airdrop operations. In addition, they will assist in preparing the supplies and equipment necessary to deliver personnel and equipment via parachute and conduct subsequent equipment recovery and throughput operations. They are responsible for performing parachute repack as well as conducting preventive and corrective maintenance on all airdrop equipment, and will assist in evaluating proposed Landing Zone/Drop Zones in order to support the planning and execution of effective personnel, supplies, and equipment clearance

during airborne, airdrop and equipment recovery operations. They will also perform various supervisory duties in support of airborne and airdrop missions both on the ground and in the air.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete Airborne Course, U.S. Army Infantry School, Ft Benning, GA, at or before the grade of corporal.

(3) Complete Parachute Riggers Course, U.S. Army Quartermaster School, Ft Lee, VA, at or before the grade of corporal.

(4) Must be a volunteer.

(5) Must hold at least a CWS2 swim qualification.

(4) Must be a U.S. citizen.

(5) Must be eligible for a secret security clearance.

(6) Except for temporary limitations imposed by medical authority, when a Marine is no longer authorized to perform all duties required of a Parachute Rigger, commanders will forward a request to void the 0451 Primary MOS to HQMC I&L (Code LPC-1) for review.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

5. MOS 0481, Landing Support Specialist (SSgt to Pvt)

a. Summary. Landing support specialists perform various duties pertaining to the establishment, maintenance and control of transportation throughput systems on beaches, landing zones, ports (air and sea), and terminals (rail, truck, and container) used in support of MAGTF exercises and operations. NCOs and SNCOs plan, conduct, and supervise landing support training. Furthermore, they assist deploying MAGTFs, specifically the embarkation officer, in the throughput of unit personnel and materials. MOS 0481 is retained as an additional MOS upon promotion to gunnery sergeant, when MOS 0491 is assigned as a primary MOS.

b. Requirements/Prerequisites

(1) Must possess a GT score of 95 or higher.

(2) Must possess an MM score of 100 or higher.

(3) Complete the Basic Landing Support Specialist Course, Logistics Operations School, Marine Corps Engineer School, Camp Lejeune, NC, upon entry or upon lateral move.

(4) Non-MOS qualified Reserve Marines unable to attend the regular formal school course may be certified for MOS 0481, as an AMOS-only, by the unit commander upon successful completion of the Alternate Training Instructional Program (ATIP) of the Marine Force Reserves. The ATIP for MOS 0481 Marines is found in Force Order

1535.1 and consists of core tasks to be performed to standard at the Reserve Basic Landing Support School, MTT, or MOJT. A minimum of six months MOJT while assigned to a MOS 0481 billet is required.

(5) Must be a U.S. citizen.

(6) Must be eligible for a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Stevedore (1) 911.633-014.

(2) Stevedore (2) 922.687-090.

e. Related Military Skill. None.

6. MOS 0491, Combat Service Support Chief (MGySgt to GySgt)

a. Summary. Combat service support (CSS) chiefs plan, conduct, and supervise, logistics, embarkation, air delivery, and landing support functions within CSS elements. They coordinate all CSS functions to support Marine forces and any attached units.

b. Requirements/Prerequisites

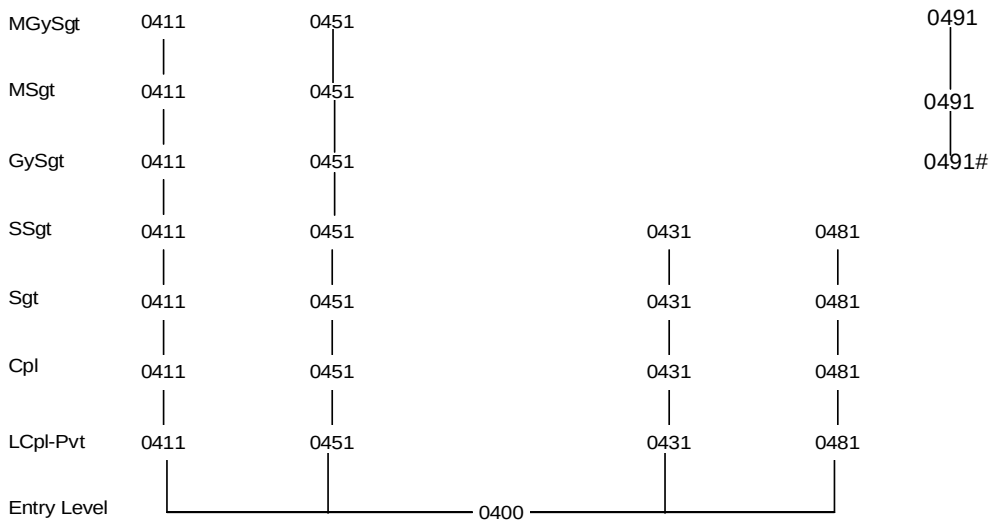
(1) Must have had previous duty as a 0431, 0451, or 0481.

(2) Complete the Combat Service Support Chief's Course, Logistics Operations School, Marine Corps Combat Service Support Schools, Camp Johnson/Camp Lejeune, NC, at or before the grade of gunnery sergeant.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification. Manager, Traffic 184.167-094.

e. Related Military Skill. Traffic Management Specialist, 3112.



Upon promotion to gunnery sergeant, MOS 0491 is conferred; MOSs 0431 and 0481 will be retained as additional MOSs.

MOS	TITLE
0400	Basic Logistics Marine
0411	Maintenance Management Specialist
0431	Embarkation/Logistics and Combat Service Support (CSS) Specialist
0451	Parachute Rigger
0481	Landing Support Specialist
0491	Combat Service Support Chief

FIGURE 3-3.—Infantry Career Structure Chart

MOS 0411, Maintenance Management Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		MCI 04-14 Ground Maintenance Procedures for Supervisors MCI 04-16 Publications and Directives System MCI 01-31 Correspondence Procedures Natural/Roscoe Software Training MCI 13-42 Engineer Records and Forms MCI 30-12 Organic Supply Procedures MCI 30.20 Supply Management MCI 21.24 Armory Procedures MCI 35-24 Preventive Maintenance and Operating Techniques for Heavy Vehicles MCI 35-29 Preventive Maintenance and Operating Techniques for Light Vehicles MIMMS Supervisor Course	**FMF Duty:** MARFOR HQ/ **Non-FMF Duty:** HQMC, MCLB ALBANY MCCDC
MSgt			**FMF Duty:** MARFOR HQ/MEF/MAW/ Div HQ/Mt Bn/Maint Bn **Non-FMF Duty:** EWTGLANT/ MARCORSYSCOM/ MCLB Albany

FIGURE 3-4.--Logistics Career Structure Chart

GySgt/SSgt			**FMF Duty:** All Staffs/Units & MAGTFs **Non-FMF Duty:** I&I Duty/MCCDC/ MCLB Albany/ EWTGLANT/Blount Island
Sgt-Pvt	Basic MIMMS Course	MCI 0410 10 MIMMS AIS (Basic MIMMS Course) MCI 04.15 Validation and Reconciliation Clerk	**FMF Duty:** All Levels/staffs/ Units/MAGTFs **Non-FMF Duty:** I&I Duty/MCCDC/ MCLB

MOS 0431, Logistics/Embarkation and CSS Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt	Combat Service Support Chief's Course	Hazardous Material Recertification	**FMF Duty:** Staffs/Units/ MAGTFs **Non-FMF Duty:** Amphib Ship/CCA/ I&I Duty
	Logistics/Embarkation SNCO/NCO Course	Air Movement Planning Course AMC Affiliation Recertification Course Ship Loading and Stowage Course Intermodal Dry Cargo Container (CSC) Reinspection Course Joint Operation Planning and Execution System (JOPES) Course MCI 04.81 - Landing Support Specialist	
Sgt	Logistics/Embarkation SNCO/NCO Course	Intermodal Dry Cargo Container (CSC) Reinspection Course AMC Affiliation Recertification Course Air Movement Planning Course	**FMF Duty:** Staffs/Units/ **Non-FMF Duty:** I&I Duty

FIGURE 3-4.--Logistics Career Structure Chart

		Hazardous Material Recertification Course Joint Operation Planning and Execution System (JOPES) Course MCI 7100 - SNCO Nonresident Program MCI 04.11 - Fixed-Wing Air Embarkation MCI 30.23 - Marine Corps Technical Publications Systems MCI 01.41 - The Marine Corps Directives System	
Cpl		Defense Packaging of Hazardous Materials Course (USA) or Transportation of Hazardous Materials Course (USAF) or Transportation and Stowage of Hazardous Materials Course (USN) Joint Operation Planning and Execution System (JOPES) Course MCI 04.7c - Intro to Amphibious Embarkation AMC Affiliation Recertification Course MCI 01.12 - Counseling for Marines MCI 01.18 - Spelling MCI 01.19 - Punctuation MCI 01.31 - Correspondence Procedures	**FMF Duty**: Staffs/Units/ **Non-FMF Duty**: None
LCpl-Pvt	Basic Logistics/ Embarkation Specialist Course	Defense Packaging of Hazardous Materials Course (USA) Basic Shipboard Crane Operators Course	**FMF Duty**: Staffs/Units/ MAGTFs **Non-FMF Duty**: None

FIGURE 3-4.--Logistics Career Structure Chart

		AMC Affiliation Training (MTT) for Equipment Preparation and Air Load Certification MCI 04.5c - Logistics/ Embarkation Specialist Course MCI 13.34 - Math for Marines	

MOS 0451, Parachute Rigger

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** TransSptBn **Non-FMF Duty:** None
MSgt			**FMF Duty:** Force Recon **Non-FMF Duty:** Ft Lee/SYSCOM/ NavSafCtr
GySgt	Paraloft Chief Course		**FMF Duty:** Force Recon/ TransSptBn/MPLant/ PAC/I-I Duty **Non-FMF Duty:** None
SSgt	Military Freefall Jumpmaster Course	Air Movement Planning Transportation of Hazardous Materials Paraloft Chief Course	**FMF Duty:** Force Recon/ TransSptBn/ Recon Bn/Radio Bn/I-I **Non-FMF Duty:** SYSCOM/Ft Lee/TECOM
SGT	S/L Jumpmaster Oxygen Course	Military Freefall Jumpmaster Course DZSO/DZSTL Pathfinder Course	**FMF Duty:** Force Recon/ TransSptBn/Recon Bn/ MFLant/Pac/I-I Duty **Non-FMF Duty:** Ft Lee

FIGURE 3-4.--Logistics Career Structure Chart

Cpl	RAM-Air Parachute Systems Military Freefall Parachutist Course Aircraft Load Inspector Course	S/L Jumpmaster Transportation of Hazardous Materials DXSO/DZSTL Pathfinder Course	**FMF Duty**: Recon Bn/Force Recon/ Radio Bn/TransSptBn **Non-FMF Duty**: None
LCpl-Pvt	Airborne Jump School Basic Parachute Rigger Course Automatic Ripcord Release Assembly	RAM-Air Parachute Systems Transportation of Hazardous Materials AMC Affiliation Course DZSO/DZSTL/Pathfinder Course	**FMF Duty**: TransSptBn/Recon Bn/Radio Bn/ **Non-FMF Duty**: None

MOS 0481, Landing Support Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt	Combat Service Support Chief Course Logistics/Embarkation SNCO/NCO Course	Intermodal Dry Cargo Container (CSC) Reinspection Course AMC Affiliation Recertification Course Combat Service Support Chief Course Hazardous Material Recertification Course MCI 04.11 - Fixed-Wing Air Embarkation	**FMF Duty**: Spt Bn **Non-FMF Duty**: None
Sgt		Intermodal Dry Cargo Container (CSC) Reinspection Course Hazardous Material Recertification Course MCI 04.5c - Logistics/ Embarkation Specialist MCI 01.31 - Correspondence Procedures	**FMF Duty**: Spt Bn **Non-FMF Duty**: None

FIGURE 3-4.--Logistics Career Structure Chart

		MCI 01.41 - The Marine Corps Directives System MCI 30.23 - Marine Corps Technical Publications System	
Cpl		Defense Marking for Shipment and Storage (MTT) Defense Packaging of Hazardous Materials Course (USA) or Transportation of Hazardous Materials Course (USAF) or Transportation and Stowage of Hazardous Materials Course (USN) MCI 13.40 - Materials Handling Equipment MCI 01.12 - Counseling for Marines MCI 01.19 - Punctuation MCI 01.18 - Spelling	**FMF Duty:** Spt Bn **Non-FMF Duty:** None
LCpl-Pvt	Basic Landing Support Specialist Course	Defense Packaging of Hazardous Materials Course (USA) Basic Shipboard Crane Operators Course MCI 04.81 - Landing Support Specialist MCI 13.34 - Math for Marines	**FMF Duty:** Spt Bn **Non-FMF Duty:** None

MOS 0491, Combat Service Support Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		AMC Affiliation Recertification Course Joint Planning Orientation Course Hazardous Material Recertification Course	**FMF Duty:** Div HQ/MAW/ FSSG/MEF/ MARFOR HQ **Non-FMF Duty:** ComNavSur CCA/ I&I Duty/Joint Staff

FIGURE 3-4.--Logistics Career Structure Chart

		USAF Air Mobility Operations Course Intermodal Dry Cargo Container (CSC) Reinspection Course Landing Force Staff Planning Course Maritime Prepositioned Forces MPF) Staff Planning Course Ocean Transportation and Marine Terminal Managers Course MCI 13.38c - Combat Engineer Engineer Chief: Construction Support	
MSgt		Intermodal Dry Cargo Container (CSC) Reinspection Course AMC Affiliation Recertification Course Landing Force Combat Service Support Staff Planning Course Hazardous Material Recertification Course Ocean Transportation and Marine Terminal Managers Course MCI 13.44 - Construction Print Reading	**FMF Duty:** Div HQ/MAW/ FSSG/MEF **Non-FMF Duty:** PhibGru CCA/I&I Duty/Joint Staff
GySgt	Combat Service Support Chief Course	Intermodal Dry Cargo Container (CSC) Reinspection Course AMC Affiliation Training (MTT) for Equipment Preparation and Air Load Certification Ocean Transportation and Marine Terminal Managers Course	**FMF Duty:** Bn/Regt/Group **Non-FMF Duty:** PhibRon & Amphib Ship CCA/I&I Duty

FIGURE 3-4.--Logistics Career Structure Chart

Defense Packaging of
Hazardous Materials Course
(USA) or
Transportation of Hazardous
Materials Course (USAF) or
Transportation and Stowage
of Hazardous Materials
Course (USN)

Air Movement Planning Course

Basic Engineer: Support
Operations MCI 13.72

FIGURE 3-4.--Logistics Career Structure Chart

3110. **OCCUPATIONAL FIELD 05, MARINE AIR GROUND TASK FORCE (MAGTF) PLANS**

1. Introduction. The MAGTF plans OccFld encompasses the management of Time Phased Force Deployment Data (TPFDD) in support of Joint and MAGTF operations plans, and advising Joint and MAGTF staff plans officers on Joint and Marine Corps Force Deployment Planning and Execution (FDP&E) matters in the deliberate, time-sensitive, and crisis planning environments. This includes identification of force requirements and the refinement of force and movement data for plan execution, deployment, employment, mobilization, sustainment, and redeployment of forces. Formal schooling should encompass FDP&E related doctrine, policy, procedures, MAGTF and joint command relationships. MAGTF and Joint Operational Planning and Execution Systems (JOPES) training will be provided to Marines entering this OccFld. The enlisted personnel in this OccFld provide the technical, automated system, and advisory support to staff plans officers in the areas of force deployment planning and execution, requirements, force resources, plans analysis, report retrieval, force location, phasing data, and electronic conferencing. This involves data entry maintenance, and manipulation of force data requirements. The enlisted MAGTF planner assists in initiating force deployment planning plan validation, and import/export plans between the various force deployment planning tools. Enlisted plans specialists are assigned to the S-3 at the unit level and the G-3 Plans/G-5-staffs to support the many aspects of force deployment planning and execution. MAGTF planners are to be readily available to support component force, Joint Task Force (JTF), JOPES cells, and Commander-in-Chief (CINC) Joint Force Deployment Contingency Planning Staffs. Civil affairs noncommissioned officers perform civil-military assessments of the operational area and coordinate with a wide variety of civilian populations, organizations, and agencies.

2. MOS 0511, MAGTF Planning Specialist (MGySgt to Pvt)

a. Summary. The enlisted MAGTF planning specialist is responsible for functional support in the areas of FDP&E. Typical duties include updating plan and unit information to unit level detail for force deployment planning; operating and managing force deployment planning automated data processing tools; producing force reports; and properly formatting and forwarding electronic mail, files, and newsgroup message traffic.

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Complete the MAGTF Plans Basic Course.

(3) For lateral move into this OccFld, an interview and recommendation by an installation's senior MAGTF Planner is required.

(4) Must be eligible for a top-secret security clearance.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.124, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Electronic Data Processing 012.167-066.

(2) Computer Operator 213.362-010.

(3) Data Entry Clerk 203.582-054.

(4) Verifier Operator 203.582-070.

e. Related Military Skill

(1) Maintenance Management Specialist 0411.

(2) Embarkation Logistics and Combat Service Specialist, 0431.

3. MOS 0531, Civil Affairs Noncommissioned Officer (GySgt to Cpl)*#

a. Summary. Civil affairs noncommissioned officers perform various duties incident to the planning, coordinating, and conducting civil-military operations. They support the operation of civil affairs planning and coordination centers. They perform civil-military assessments of the operational area and coordinate with a wide variety of civilian populations, organizations, and agencies. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) A minimum of 6 months OJT and experience with a civil affairs group is preferred but is not mandatory.

(2) Must be trained in message preparation, handling, and processing.

(3) Must be trained in voice radio and message center procedures.

(4) Must be trained in basic administrative procedures.

(4) Must be recommended by the commanding officer.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.123, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

MOS 0513 was redesignated as MOS 0531 effective 15 April 2003.

MGySgt	0511	
MSgt	0511	
GySgt	0511	0531
SSgt	0511	0531
Sgt	0511	0531
Cpl	0511	0531
LCpl-Pvt	0511	
	0500	

MOS	TITLE
0500	Basic MAGTF Plans Marine
0511	MAGTF Planning Specialist
0531	Civil Affairs Noncommissioned Officer

FIGURE 3-5.--MARINE AIR GROUND TASK FORCE CAREER STRUCTURE CHART

MOS 0511, MAGTF Planning Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		JOPES Executive Course JOPES Action Officer Course	**FMF Duty:** MARFOR HQ **Non-FMF Duty:** HQMC
MSgt		JOPES Executive Course	**FMF Duty:** MARFOR HQ/MEF **Non-FMF Duty:** HQMC/Instructor
GySgt			**FMF Duty:** MARFOR HQ/MEF/Div/MAW/FSSG **Non-FMF Duty:** CINC Staff/JTF HQ/Instructor/MCCDC
SSgt			**FMF Duty:** MARFOR HQ/MEF/Div/MAW/FSSG/MEU **Non-FMF Duty:** JTF/HQMC/Instructor/Base/Station
Sgt		JOPES Specialty Course	**FMF Duty:** MARFOR HQ/MEF/Div HQ/MAW/FSSG/MEU **Non-FMF Duty:** Base/Station
Cpl		JOPES Support Personnel Course	**FMF Duty:** MARFOR HQ/MEF/MEU/Div HQ/MAW/FSSG **Non-FMF Duty:** None
LCpl/Pvt	MAGTF Planners Basic Course	JOPES Support Personnel Course	**FMF Duty:** MARFOR HQ/MEF/Div HQ/MAW/FSSG **Non-FMF Duty:** None

FIGURE 3-5.--MARINE AIR GROUND TASK FORCE CAREER STRUCTURE CHART

3111. **OCCUPATIONAL FIELD 06, COMMUNICATIONS**

1. Introduction. The communications occupational field includes the design, installation, interconnection, and operation of communication networks and information systems used to transmit information and data. Marines in this field operate and perform preventive maintenance on both hardware and software systems; including telephone, teletype, switching, radio, cryptographic, and computer systems, which are essential links in the overall functions of communication. They must have basic to advanced manual and language skills and must be able to master precise communication and computer procedures, as well as interact on a daily basis with users to solve communication systems challenges. Attention to detail and the ability to work closely with others are essential requirements. Eligibility for a security clearance is a requirement for some communication systems specialties. Marines entering Communications Systems are assigned MOS 0600, Basic Communications Systems Marine. They will participate in various communication systems functions while training for a designated MOS within the OccFld. Entry-level jobs include work as a field radio operator, wireman, multichannel equipment operator, satellite communications equipment operator, information systems specialist, data network systems specialist, and information assurance and information security technicians. The opportunity to participate in a formal apprenticeship program leading to receipt of a Department of Labor Certificate of Apprenticeship Completion may be available in some MOSs within OccFld 0600. Refer to MCO 1550.22 for specific information concerning this program. More detail information on tasks and training objectives can be found in MCO 1510.118, Individual Training Standards for Communications Systems, OccFld 06.

2. MOS 0612, Field Wireman (Sgt to Pvt)

a. Summary. Field wiremen are the foundation of wire communications in the Marine Corps. Personnel holding this designation construct, operate, and maintain wire networks to link key outposts, control points, and headquarters with reliable paths for the transmission of telephone, facsimile, and digital data messages. Typical duties of this MOS are installing telephones and switchboards, laying wire and cable, adjusting equipment for proper operation, recovering wire, locating wire system faults, and operating switchboards. Field wiremen may obtain the additional skill of pole climbing if deemed necessary to perform wire functions.

b. Requirements/Prerequisites

(1) Must possess an EL score of 90 or higher.

(2) Complete the Field Wireman Course.

(3) Must have normal color vision.

(4) Must hold a confidential security clearance and be eligible for a secret security clearance.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Station Installer and Repairer 822.261-022.

(2) Line Installer and Repairer 822.381-014.

e. Related Military Skill. None.

3. MOS 0613, Construction Wireman (Sgt to Pvt)

a. Summary. A construction wireman is a Marines holding MOS 0613 performing duties in commercial cable, telephone installation and maintenance. Typical duties include integrating tactical telephone systems with host nation telephone systems, operating unique items of equipment for pole line construction (pole line trucks/series ditcher), mounting commercial hardware and emplacing conduit systems/commercial cable.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) After completion of Electronics Principles Training at Keesler AFB, MS, complete the Communications Cable and Antenna Systems Apprentice Course at the Technical Training Center, Sheppard AFB, TX.

(3) Must have normal color vision.

(4) Must hold a confidential security clearance and be eligible for a secret security clearance.

(5) Must be a U. S. Citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related Military Skill. None.

4. MOS 0614, Unit Level Circuit Switch (ULCS) Operator/Maintainer (Sgt to Pvt)

a. Summary. Marines holding MOS 0614 operate and perform organizational maintenance on the Central Office AN/TTC-42. This switch is a computer-controlled node for multiple voice and digital data trunks/lines. Typical duties include installing and interconnecting equipment, performing limited technical control of the voice/data network, and updating the database or crypto keys to ensure reliable, secure telephone service for the user.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Must possess a secret security clearance based on a background investigation.

(3) Complete the Field Wireman Course.

(4) Complete the ULCS Operator/Maintainer Course.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. Station Installer and Repairer 822.261-022.

e. Related Military Skill. None.

5. MOS 0618, Electronic Switching Operator/Maintainer (DTC) (Sgt to Cpl)*

a. Summary. The electronic switching operator/maintainer facilitates the installation, operation, restoration, and management of circuits and trunks within the Digital Technical Control (DTC) switchboard. The commercial switch will terminate Integrated Services Digital Network (ISDN), commercial Public Switched Telephone Network (PSTN), and Defense Switched Network (DSN) services, both loops and trunks; and will provide these services into the deployed switch network. This MOS is awarded as a skill designator only to Marines holding PMOS 0612 or 0614.

b. Requirements/Prerequisites

(1) Must possess MOS 0612 or MOS 0614.

(2) Complete the Electronic Switching Operator/Maintainer Course.

(3) Must possess a secret security clearance.

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. Station Installer and Repairer 8222.261-011.

e. Related Military Skill. None.

6. MOS 0619, Wire Chief (GySgt to SSgt)

a. Summary. Wire chiefs supervise the installation, operation, and maintenance of field wire systems or outside plant facilities of a base telephone system. Wire chiefs develop a systems approach toward communications, understanding radio and data communication equipment capabilities and systems integration. Typical duties are preparation of circuit diagrams, line route maps, work schedules, switchboard programming, and instruction of wire personnel in wire systems techniques and telephone equipment employment.

b. Requirements/Prerequisites

(1) This MOS is awarded only on completion of the Wire Chiefs Course conducted at MCCES 29 Palms, CA, and is awarded only to Marines in grades Staff Sergeant and above.

(2) Must have a secret security clearance.

(3) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Line Supervisor 822.131-018.

(2) Customer Facilities Supervisor 822.131-014.

e. Related Military Skill. None.

7. MOS 0621, Field Radio Operator (Sgt to Pvt)

a. Summary. Field radio operators identify personnel who employ radio to send and receive messages. Typical duties include the set up and tuning of radio equipment including antennas and power sources; establishing contact with distant stations; processing and logging of messages; making changes to frequencies or cryptographic codes; and maintaining equipment at the first echelon.

b. Requirements/Prerequisites

(1) Must possess an EL score of 90 or higher.

(2) Complete the Field Radio Operator Course.

(3) Must possess a valid state drivers license.

(4) Must be a U.S. citizen.

(5) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. Radio/Telephone Operator 193.262-134.

e. Related Military Skill. Airborne Radio Operator/Loadmaster, 7382.

8. MOS 0622, Digital (Multi-channel) Wideband Transmission Equipment Operator (Sgt to Pvt)

a. Summary. The digital (multi-channel) Wideband transmission equipment operator identifies those Marines who are qualified to install, operate, and maintain at the first echelon, the multichannel media equipment, AN/MRC-142, and AN/TRC-170(V)3.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Complete the AN/MRC-142 Radio Set Operators Course at MCCES 29 Palms, CA.

(3) Must be a U.S. citizen.

(4) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. Tropospheric Scatter Radio Multi-channel Equipment Operator, 6023.

9. MOS 0623, Tropospheric Scatter Radio Multi-channel Equipment Operator (Sgt to Pvt)

a. Summary. The tropospheric scatter radio multi-channel equipment operator MOS identifies Marines who are qualified to install, operate, and maintain at the first echelon multi-channel media equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Complete the AN/TRC-170 (V3) Radio Set Operators Course at MCCES 29 Palms, CA.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. None

e. Related Military Skill. Digital (Multi-channel) Wideband Transmission Equipment Operator, MOS 0622.

10. MOS 0626, Fleet SATCOM Terminal Operator (Sgt to Pvt)

a. Summary. The Fleet SATCOM terminal operator PMOS identifies Marines who emplace, interconnect, energize, and verify operation of the AN/TSC-96.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Complete the AN/TSC-96A Satellite Communications Systems Operator course at Fleet Training Center, San Diego, CA.

(3) Complete the Data Network Specialist Course at MCCES 29 Palms, CA.

(4) Upon promotion to SSgt, the Marine’s PMOS will be changed to MOS 0629. However, 0626 will be retained as an additional MOS.

(5) Must be a U.S. citizen.

(6) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. None.

11. MOS 0627, Ground Mobile Forces SATCOM Operator (Sgt to Pvt)

a. Summary. The ground mobile forces SATCOM operator PMOS identifies Marines who emplace, interconnect, energize, and verify the operation of the AN/TSC-85A, AN/TSC-93A, SMART-T, and LMST satellite systems.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Upon promotion to SSgt, the Marine's PMOS will be changed to MOS 0629. However, MOS 0627 will be retained as an additional MOS.

(3) Complete the Transportable Multichannel Satellite Systems Operator Course at Fort Gordon, GA, and the Multichannel Equipment Operator Course.

(4) Must be a U.S. citizen.

(5) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

12. MOS 0629, Radio Chief (GySgt to SSgt)

a. Summary. Radio chiefs supervise the installation and operation of fixed and field radio stations, microwave stations, and visual signaling stations. They prepare and execute radio communication plans vital to successful amphibious deployments with regard to highly mobile and reliable communications. Additionally, radio chiefs develop a systems approach toward communications, understanding wire and data communication equipment capabilities and systems integration.

b. Requirements/Prerequisites

(1) This MOS is awarded only on completion of the Radio Chiefs Course conducted at MCCES 29 Palms, CA, and is awarded only to Marines in grades Staff Sergeant and above.

(2) Must be a U.S. citizen.

(3) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. Supervisor of Communications 184.167-230.

e. Related Military Skill. Wire Chief, 0619.

13. MOS 0648, Strategic Spectrum Manager (MSgt to SSgt)*

a. Summary. The primary purpose of the strategic spectrum manager is to manage the command's/activity's requirement, assignment, and use of radio frequencies. Radio frequency managers must be trained in fundamentals of spectrum analysis, in international/national/DoD allocation and assignment procedures, in the effects of EMC/EMI on the frequency spectrum, in terrain analysis, and in DoD/military

service's spectrum management programs and systems. Radio frequency managers normally work under the cognizance of the G-6/CEO and must be knowledgeable of all organic equipment requiring the use of a radio frequency (tactical and commercial radios, radars, sensors, silent alarms, radio modems, etc.). The radio frequency manager must be capable of computing the command's/activity's need for radio frequencies and requesting the assignment of frequencies from the appropriate command or frequency management activity. They must be capable of preparing a radio frequency plan or spectrum management standard operating procedure to assure adequate assignment of radio frequencies and minimum interference among radio frequency users. This MOS will be assigned as a skill designator MOS only. This MOS will be assigned and voided only by authority of the CMC (MM) and assigned only to Marines holding MOS 0619, 0629, 0691, 5934, or 5939.

b. Requirements/Prerequisites

(1) Complete the Electromagnetic Spectrum Management Course at the Technical Training Center, Keesler AFB, MS.

(2) Must have a secret security clearance.

(3) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

14. MOS 0651, Data Network Specialist (Sgt to Pvt)

a. Summary. Information systems specialists are responsible for the installation, configuration, and management of information systems in both a stand-alone and client-server environment, including MS Exchange, Defense Message Systems, and other authorized information systems. They install, configure, and maintain network services, both hardware and software. They also plan and execute the integration of multiple information systems in a network environment, evaluate and resolve customer information system problems, and effect required hardware upgrades and repair to maintain mission capability. These Marines will attend core computer and network systems training before receiving additional instruction in small computer information systems and defense messaging systems. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Complete the Data Network Specialist Course, MCCES 29 Palms, CA.

(3) Regular U.S. Marines must have two years of active duty upon completion of training.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Computer Peripheral Equipment Operator 213.283-010.

(2) Computer Operator 213.362-010.

e. Related Military Skill. Special Intelligence Systems Administrator/ Communicator, 2651.

15. MOS 0652, Certification Authority Workstation (CAW) Operator (GySgt to Cpl)*

a. Summary. The CA operates the Certificate of Authority Workstation (CAW) and performs all the certificate management functions necessary to create, distribute, and manage the X.509 Certificates on organizational and individual FORTEZZA Cards. This MOS will be voided only by authority of the CMC (MM or C4). Any PMOS may hold this skill designator MOS after completing required training.

b. Requirements/Prerequisites

(1) Must possess a secret security clearance and be eligible for a higher clearance level when required by billet assignment.

(2) Must be a U.S. citizen.

(3) Complete one of the following courses of instruction, or other approved course:

(a) I MEF CAW Administrators Course, Camp Lejeune, NC.

(b) II MEF CAW Administrators Course, Camp Pendleton, CA.

(c) III MEF CAW Administrators Course, Camp Courtney, Okinawa, Japan.

c. Duties

(1) Generate, publish, and manage the X.509 Certificates on FORTEZZA Cards.

(2) Create and post the Certificate Renovation List (CRL).

(3) Securely distribute the user FORTEZZA Cards and PIN letters.

(4) Access the X.509 Directory for, and distribute the Compromised Key List (CKL).

(4) Maintain and inventory programmed and un-programmed FORTEZZA Cards.

(5) Perform network configuration changes.

(6) Recover from catastrophic loss.

(7) Assign security privileges and access controls of the CAW personal.

(8) Advise CA in accordance with DOD and NSA policies.

d. Related DOT Classification/DOT Code

(1) Computer Peripheral Equipment Operator 213.283-010.

(2) Computer Operator 213.362-010.

e. Related Military Skill

(1) Data Network Specialist, 0651.

(2) Defense Message System Specialist, 0653.

(3) Information Security Technician, 0681.

(4) Information Assurance Technician, 0689.

16. MOS 0653, Defense Message System (DMS) Specialist (Sgt to Pvt)*

a. Summary. Defense message system specialists work in local and area control centers (LCCs/ACCs) in the supporting establishment, and in messaging sections in operating forces units. They configure and operate DMS components and systems in order to ensure proper routing and delivery of message traffic both within and outside of the Marine Corps. They configure and maintain user unit accounts, monitor message and data routing and troubleshoot problems, and provide end user assistance as needed. This MOS is awarded as a skill designator only to Marines holding PMOS 0651.

b. Requirements/Prerequisites

(1) Must possess MOS 0651.

(2) Complete the Defense Message System Course at MCCES, 29 Palms, CA.

(3) Must possess a secret security clearance.

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. Telegraphic Typewriter Operator 203.582-050.

e. Related Military Skill

(1) Data Network Specialist, 0651.

(2) Data Systems Chief, 0659.

(3) Special Intelligence Systems Administrator/Communicator, 2651.

17. MOS 0656, Tactical Network Specialist (Sgt to Pvt)

a. Summary. Tactical network specialists are responsible for installation, configuration, operation, and maintenance of networking systems. This includes installing and configuring hubs, routers, bridges, and various transmission media, installing and configuring server hardware and software, and coordinating with the information systems specialist to ensure the proper installation and configuration of workstation hardware and software to ensure efficient operation on the network. Data network systems specialist also install, optimize and troubleshoot Local Area

and Wide Area Networks and operate the Tactical Data Network (TDN) server. They will attend core small computer systems training before receiving more detailed training in networking principles and systems. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Complete the Data Network Specialist Course, MCCES 29 Palms, CA.

(3) Complete the Tactical Network Specialist Course, MCCES 29 Palms, CA.

(4) Regular U.S. Marines must have two years of active duty upon completion of training.

(5) Must have a secret security clearance.

(6) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Computer Peripheral Equipment Operator 213.283-010.

(2) Computer Operator 213.362-010.

e. Related Military Skill

(1) Information Systems Specialist, 0651.

(2) Special Intelligence Systems Administrator/Communicator, 2651.

18. MOS 0658, Tactical Data Network Gateway Systems Administrator (GySgt to Sgt)*

a. Summary. The tactical data network gateway systems administrator will provide indepth tactical data network support to include, but not limited to, installing, configuring, and maintaining systems software, hardware, advanced LAN/WAN configuration, advanced communication planning, utilizing various tactical communication devices, and operating the Tactical Data Network Gateway. They will also execute network planning, network security plans, maintain patch panels, power entry panels, signal entry panels and the configuration of routers, switches, various encryption devices, and network monitoring software. This MOS is awarded as a skill designator only. This MOS will be assigned and voided only by the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess MOS 0656 or MOS 0659.

(2) Complete the Data Network Systems Specialist Course, MCCES, 29 Palms, CA.

(3) Complete the Gateway Systems Operator Specialist Course, MCCES, 29 Palms, CA.

(4) Regular U.S. Marines must have two years of active duty upon completion of training.

(5) Must possess a secret security clearance.

(6) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Computer-Peripheral-Equipment Operator 213.283-010.

(2) Computer Operator 213.362-010.

d. Related Military Skill. Special Intelligence Systems Administrator/ Communicator, 2651.

19. MOS 0659, Data Chief (GySgt to SSgt)

a. Summary. Data chiefs perform advanced systems installation, operation, integration, and troubleshooting in order to maintain optimum data communication systems operations. They plan and supervise the installation, configuration, and maintenance of all data communications systems and network services, including the Defense Message System (DMS), in both a garrison and deployed environment. Data chiefs plan and design Local Area and Wide Area Networks and link heterogeneous networks through the application of appropriate data and telecommunications hardware and software. They also develop and execute plans for tactical data communications systems and database integration in order to ensure these systems are properly integrated at all levels.

b. Requirements/Prerequisites

(1) Must hold MOS 0651 or 0656 when promoted to staff sergeant.

(2) Regular U.S. Marines must have two years of active duty upon completion of training.

(3) This MOS is awarded only on completion of the Data Chiefs Course conducted at MCCES 29 Palms, CA, and is awarded only to Marines in grades Staff Sergeant and above.

(4) Must possess a secret security clearance.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill

(1) Data Network Specialist, 0651.

(2) Tactical Network Specialist, 0656.

20. MOS 0681, Information Security Technician (MGySgt to SSgt)

a. Summary. Information security technicians serve as the primary functional proponent for cryptographic key management infrastructure. These Marines provide day-to-day operation of the Electronic Key Management System (EKMS), as well as other duty areas related to Information Security (INFOSEC), such as Public Key Infrastructure (PKI) and Fortezza card management. Entry-level input to this MOS may be from any MOS at the grades of staff sergeant or gunnery sergeant. This MOS will be awarded by the CMC (C4) to Marines approved for lateral move and on completion of one of the listed approved courses in subparagraph b(3) below.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Must have attained the rank of staff sergeant or above.

(3) Complete one of the following courses of instruction, or others approved per CMS-21A:

(a) 1 MEF EKMS Management Course, Camp LeJeune, NC.

(b) II MEF EKMS Management Course, Camp Pendleton, CA.

(c) III MEF EKMS Management Course, Camp Courtney, Okinawa, Japan.

(4) Must have 2 years of active duty remaining upon graduation from training.

(5) Must be a U.S. Citizen.

(6) Must be eligible for a top-secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Computer Peripheral Equipment Operator 213.283-010.

(2) Computer Operator 213.362-010.

e. Related Military Skill. Information Assurance Technician, 0689.

21. MOS 0689, Information Assurance Technician (MGySgt to Sgt)

a. Summary. Information assurance technicians are responsible for all aspects of ensuring Marine Corps information systems data availability, integrity authentication, confidentiality, and non-repudiation. Information assurance technicians implement and monitor security measures for USMC communication information systems networks, and advise the commander that systems and personnel adhere to established security standards and governmental requirements for security on these systems. Duties include assisting in the development and execution of security policies, plans, and procedures; design and implementation of data network security measures; network intrusion detections and forensics; information system

security incident handling; and certification of Marine Corps systems and networks. Entry level input to this MOS will be in the grade of sergeant through staff sergeant only with a PMOS of 0651, 0656, or 0659 on second or subsequent enlistment.

b. Requirements/Prerequisites

(1) Must possess MOS 0651, 0656 or 0659.

(2) Must have attained the rank of sergeant or above.

(3) Complete the Information Assurance Technician Course, MCCES 29 Palms, CA.

(4) Must have 2 years of active duty remaining upon graduation from training.

(5) Must be a U.S. Citizen.

(6) Must possess a secret security clearance and be eligible for a top-secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Computer Peripheral Equipment Operator 213.283-010.

(2) Computer Operator 213.362-010.

e. Related Military Skill. Information Security Technician, 0681.

22. MOS 0699, Communications Chief (MGySgt to MSgt)

a. Summary. Communications chiefs, as senior communications noncommissioned officers, directly assist the cognizant communications systems officer. Even though qualified in a specific chief MOS in the Communications Systems Occupational Field, a communications chief must have an overall knowledge of the equipment capabilities, system integration in MAGTF, and Joint networks of all elements of wire, radio, and data communications. They inspect communications units to determine equipment and operational readiness; and supervise personnel installing, operating, and maintaining communication, transmission, and data communication center facilities. They also have an overall knowledge of operations, budgeting, and administration in order to establish procedures and to assist with the direction and supervision of communication functions.

b. Requirements/Prerequisites

(1) This MOS is awarded only on completion of the C4 Planner Course conducted at CCSC, Quantico, VA, and is awarded only to Marines in grades MSgt and above.

(2) Must be a U.S. citizen.

(3) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.118, Individual Training Standards.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill

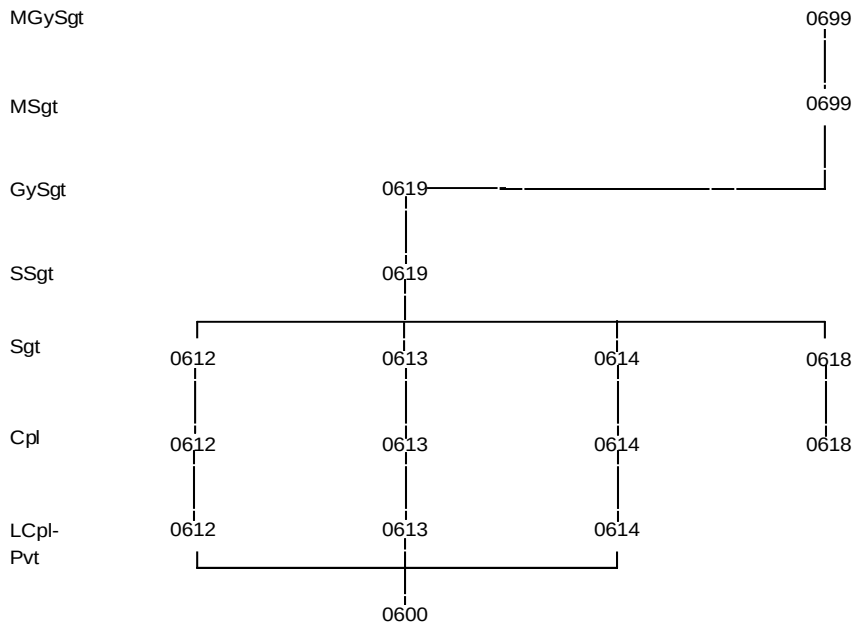
(1) Wire Chief, 0619.

(2) Radio Chief, 0629.

(3) Data Chief, 0659.

(4) Information Security Technician, 0681.

(5) Information Assurance Technician, 0689.



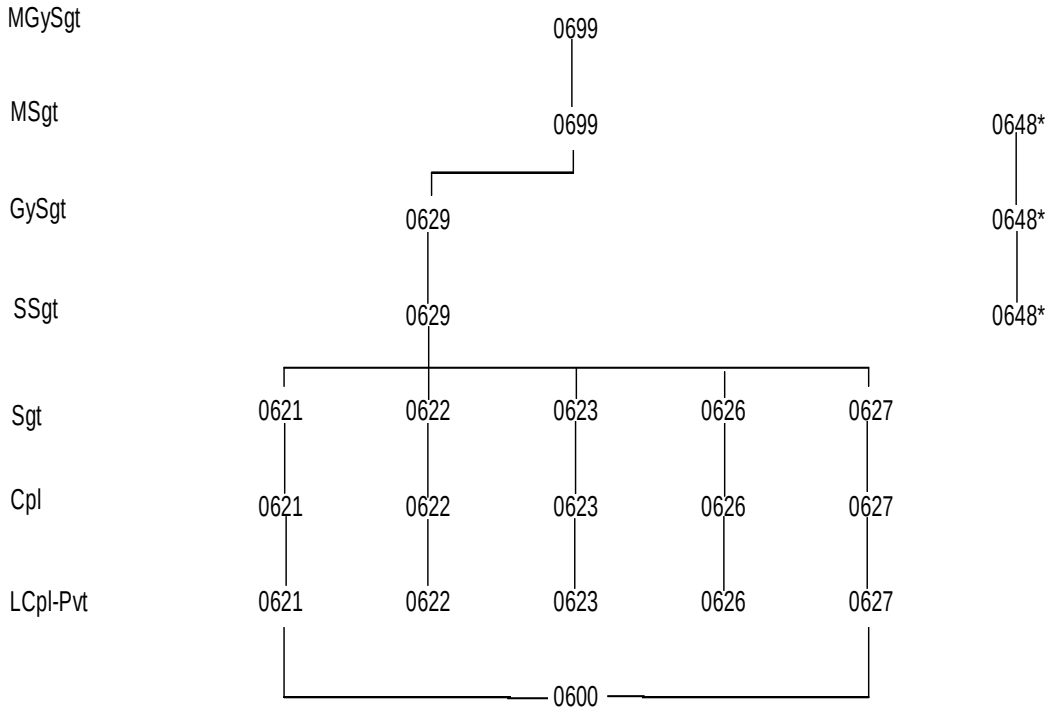
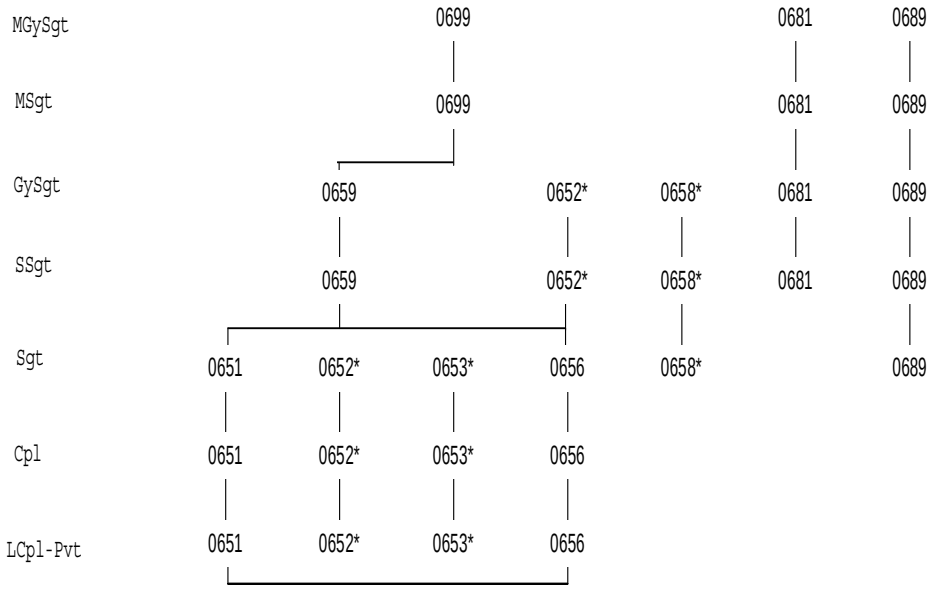


FIGURE 3-6—Communications Career Structure Chart



* Identifies Skill Designator MOS only.

MOS	TITLE
0600	Basic Command and Control Systems Marine
0612	Field Wireman
0613	Construction Wireman
0614	Unit Level Circuit Switch (ULCS) Operator/Maintainer
0618	Electronic Switching Operator/Maintainer
0619	Wire Chief
0621	Field Radio Operator
0622	Digital (Multi-channel) Wideband Transmission Equipment Operator
0623	Tropospheric Scatter Radio Multi-channel Equipment Operator
0626	Fleet SATCOM Terminal Operator
0627	Ground Mobile Forces SATCOM Operator
0629	Radio Chief
*0648	Strategic Spectrum Manager
0651	Data Network Specialist
*0652	Certification Authority Workstation (CAW) Operator (GySgt to Cpl)
*0653	Defense Message System Specialist
0656	Tactical Network Specialist
*0658	Tactical Data Network Gateway Systems Administrator
0659	Data Chief
0681	Information Security Technician
0689	Information Assurance Technician
0699	Communications Chief

FIGURE 3-6.--Communications Career Structure Chart

MOS 0612, Field Wireman

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Pvt	Field Wireman Course		**FMF Duty:** Div HQ/MAW/FSSG/ Comm Bn **Non-FMF Duty:** MCB/MCCDC/MCAGCC

MOS 0613, Construction Wireman

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Pvt	Communications Cable and Antenna Systems Apprentice Course Electronics Principles Training		**FMF Duty:** Div HQ/MAW/FSSG/ Comm Bn **Non-FMF Duty:** MCB

0614, Unit Level Circuit Switch (ULCS) Operator/Maintainer

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Pvt	Field Wireman Course ULCS Operator/ Maintainer Course		**FMF Duty:** Div HQ/MAW/FSSG/ Comm Bn **Non-FMF Duty:** MCB/MCCDC/MCAGCC/ Joint

MOS 0618 Electronic Switching (DTC) Operator/Maintainer

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Cpl	Field Wireman Course DTC Operator/Maintainer Course		**FMF Duty:** MEF HQ/Div/MAW FSSG/Comm Bn **Non-FMF Duty:** Joint

FIGURE 3-6.—Communications Career Structure Chart

MOS 0619, Wire Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt/ SSgt	Wire Chief Course		**FMF Duty:** Div HQ/MAW/FSSG/ Comm Bn/HQ **Non-FMF Duty:** MCB/MCCDC/MCAGCC

MOS 0621, Field Radio Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Pvt	Field Radio Operator Course		**FMF Duty:** Div HQ/MAW/FSSG/ Comm Bn/HQ **Non-FMF Duty:** MCB/MCCDC/MCAGCC

MOS 0622, Mobile Multichannel Equipment Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
Pvt	AN/MRC-142 Equipment Operator Course		**FMF Duty:** Div HQ/MAW/FSSG/ Comm Bn/HQ **Non-FMF Duty:** MCB/MCCDC/MCAGCC

MOS 0623, Tropospheric Scatter Radio Multi-channel Equipment Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt- Pvt	AN/TRC-170 Equipment Operator Course		**FMF Duty:** Div HQ/HQ/MAW/ FSSG/Comm Bn **Non-FMF Duty:** MCB/MCCDC/MCAGCC

FIGURE 3-6.--Communications Career Structure Chart

MOS 0626, Fleet SATCOM Terminal Operator Course

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Pvt	AN/TSC-96A Satellite Communications System Operator Course Information Systems Specialist Course		**FMF Duty:** Comm Bn **Non-FMF Duty:** MCB/MCCDC/MCAGCC

MOS 0627, Ground Mobile Forces SATCOM Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Pvt	Multichannel Equipment Operator Course Transportable Multichannel Satellite Systems Operator Course		**FMF Duty:** Comm Bn **Non-FMF Duty:** MCB/MCCDC/MCAGCC

MOS 0629, Radio Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt/ SSgt	Radio Chief Course		**FMF Duty:** Div HQ/MAW/FSSG/ Comm Bn **Non-FMF Duty:** Base Comm Centers/ MCCDC/MAGCC

MOS 0648, Strategic Spectrum Manager

Rank	Required Training	Skill Enhancement	MOS Assignment
MSgt/ SSgt	Electromagnetic Spectrum Management Course		**FMF Duty:** Div HQ/MAW/ HQ/HQMC **Non-FMF Duty:** Joint/Inst Duty

FIGURE 3-6.—Communications Career Structure Chart

MOS 0651, Data Network Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Pvt	Data Network Specialist Course		**FMF Duty:** Div/HQ/MAW FSSG **Non-FMF Duty:** Joint Staff/ HQMC/MCB

MOS 0653, Defense Message System Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Pvt	Defense Message System Course		**FMF Duty:** Div/HQ/MAW/ FSSG **Non-FMF Duty:** Joint Staff/ HQMC/MCB

MOS 0656, Tactical Network Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt/ Pvt	Tactical Network Specialist Course Data Network Specialist Course		**FMF Duty:** Div/HQ/MAW/ FSSG **Non-FMF Duty:** Joint Staff/ HQMC/MCB

MOS 0658, Tactical Data Network Gateway Systems Administrator

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt Sgt	0658	Gateway Systems Administrator Course	**FMF Duty:** Div/HQ/MAW/ FSSG **Non-FMF Duty:** Joint Staff/ HQMC/MCB

FIGURE 3-6.--Communications Career Structure Chart

MOS 0659, Data Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt SSgt	Data Chiefs Course		**FMF Duty:** Div/HQ/MAW/ FSSG **Non-FMF Duty:** Joint Staff/ HQMC/MCB

MOS 0681, Information Security Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt/ SSgt	Electronic Key Systems Management Course		**FMF Duty:** Div/HQ/MAW/FSSG **Non-FMF duty:** Joint Staff/HQMC/ MCB

MOS 0689, Information Assurance Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt- Sgt	Information Assurance Technician Course		**FMF Duty:** Div/HQ/MAW/FSSG **Non-FMF Duty:** Joint Staff/ HQMC/MCB

MOS 0699, Communications Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt/ MSgt	Command and Control Systems Chief Course		**FMF Duty:** Div HQ/MAW/FSSG/ **Non-FMF Duty:** Joint Staff/HQMC/ MCB

FIGURE 3-6.—Communications Career Structure Chart

3112. **OCCUPATIONAL FIELD 08, FIELD ARTILLERY**

1. Introduction. The field artillery OccFld is divided among three functional areas: firing battery, field artillery operations, and field artillery observation/liaison. Qualifications include ability and learned skills to operate and maintain artillery equipment; basic technical and mathematical skills for computing, communicating, and executing fire commands; ability and attitudes supporting life and close work with others in a field environment; and performing duties involving hard technical skills as well as administrative and managerial skills. The duties that must be learned vary by functional area. Firing battery includes moving, emplacing, loading, firing, protecting, and maintaining field artillery cannon weapons systems. Field artillery operations involve moving, emplacing, operating, protecting, and maintaining equipment which acquires targets; provides, relates, and evaluates gun and target survey information, meteorological data, weapon system performance; and integrating these factors into orders and communicating these orders to the firing battery. Field artillery observation and liaison include checking and analyzing combat plans and communicating appropriate advice, planning and operating information to coordinate the fires of field artillery and naval guns with infantry and armor combat maneuvers; observing and reporting targets and other battlefield information; and adjusting observed fires on targets. Types of entry-level jobs include work as field artillery batteryman or cannoneer, radar operator, fire control man, meteorological man and, as a fire support man, spotting fires of artillery and naval gunfire. Formal schooling or field skills training is provided to Marines entering the OccFld. Because field artillery is the primary supporting arm for Marine Infantry and Armor, most of its billets are in FMF ground organizations. The Marine artilleryman finds most assignment opportunities similar to the wide variety of billets available to those in other combat and combat support fields at all staff levels of the division and in various category "B" jobs (MOSs 8000-9599). Marines entering this OccFld receive MOS 0800, Basic Field Artillery Man, and under instruction and close supervision, perform routine duties incident to the firing, operation, and maintenance of field artillery pieces and related equipment. These Marines are trained for one of the MOSs in the field artillery OccFld and participate in routine functioning and tactical employment of the unit to which attached.

2. MOS 0811, Field Artillery Cannoneer (MGySgt to Pvt)

a. Summary. As a member of a field artillery howitzer battery, cannoneers prepare artillery pieces and equipment for movement, combat, and firing. They inspect and prepare ammunition for firing, and perform the various jobs incident to firing such as, laying for elevation and deflection, loading the piece, and handling ammunition. Field artillery cannoneers perform preventive maintenance and clean artillery pieces and equipment. They make routine tests and authorize repairs to equipment. Camouflage position, protect equipment from chemical warfare agents, and construct field fortifications.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Complete the USMC Cannon Crewman Course and demonstrate qualification through performance for MOS 0811; or completion of the appropriate MCI courses and demonstrate qualification through MOJT.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code

(1) Field Artillery Crewmember 378.684-018.

(2) Field Artillery Senior Sergeant 378.132-010.

e. Related Military Skill. None.

3. MOS 0842, Field Artillery Radar Operator (Sgt to Pvt)

a. Summary. Field artillery radar operators perform the entire duties incident to installation, orientation, and operation of field artillery radar equipment. They prepare the radar equipment, power generator and associated equipment for movement and operation, lay communications wire, install and operate field telephones, perform preventive maintenance, construct field fortifications, and camouflage and protect the equipment position. Upon promotion to staff sergeant and appropriate formal schooling, the 0842 will be designated MOS 0848.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Complete the Field Artillery Firefinder Radar Operator Course.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

(5) This MOS will be retained as an additional MOS upon promotion to staff sergeant in MOS 0848.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Ground Radar Repairer, 2884.

4. MOS 0844, Field Artillery Fire Control Man (Sgt to Pvt)

a. Summary. Field artillery fire control men perform duties essential to the delivery of accurate artillery fire to include position survey and fire direction computation. Typical duties include preparation of fire control equipment for movement and operation, performance of detailed survey operations, performance of preventive maintenance, routine testing, authorized minor repairs to survey and fire control equipment, and operation of field communications equipment. Fire control computation includes the use of computer equipment systems, plotting survey data on firing charts, determination of target coordinates, and the conversion to target coordinates and observer's reports into firing data and commands. MOS 0844 is assigned upon completion of formal school. Upon promotion to staff sergeant and the appropriate formal school, the 0844 will be designated MOS 0848.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Complete the Field Artillery Fire Control Man Course.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

(5) This MOS will be retained as an additional MOS upon promotion to staff sergeant in MOS 0848.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code. Field Artillery Operations Specialist 378.367-014.

5. MOS 0847, Artillery Meteorological Man (Sgt to Pvt)

a. Summary. Artillery meteorological men assist in the delivery of accurate artillery fire by observing weather conditions and computing and distributing weather data for use in field artillery fire control. Duties include preparing weather observation equipment such as theodolites, anemometers, anemoscopes, and plotting boards for movement and operations; taking readings of atmospheric pressure, temperature, humidity and barometric changes; calculating wind direction and velocity; obtaining readings at various altitudes by pilot balloon soundings; and using all data to compute, prepare, and transmit meteorological messages for the use of field artillery units. Other duties include performing preventive maintenance and making routine tests and authorized minor repairs to instruments and equipment. Upon promotion to staff sergeant, and completion of formal schooling, MOS 0847 will be redesignated as MOS 0848.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Complete the Field Artillery Meteorological Crewman Course, Ft Sill, OK.

(3) Must be a U.S. Citizen.

(4) This MOS will be retained as an additional MOS upon promotion to staff sergeant and assumption of PMOS 0848.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code. Weather Observer 025.267-014.

e. Related Military Skill. Weather Observer, 6821.

6. MOS 0848, Field Artillery Operations Man (MGySgt to SSgt)

a. Summary. Field artillery operations men perform the various duties associated with the operation of a field artillery and mortar fire direction center; operations or training section; survey section; meteorological section; or target acquisition radar section. Duties include preparing personnel and equipment for movement and operation; assisting in location of fire direction center or target acquisition radar in the field; maintaining a situation map, operations journal, and survey records; performing duties incident to the preparation, reproduction, and distribution of operations orders, training orders, memoranda, schedules, status

reports, and S-3 periodic reports; preparing operations maps and overlays; assisting in the establishment and operation of artillery meteorological stations, direct atmospheric meteorological observation interpreting, evaluating and distributing atmospheric data; performing duties incident to execution of survey plans essential to proper employment of field artillery; assisting in installation, orientation, operation, and maintaining target acquisition radar equipment; and training personnel in radar, meteorological, survey, and fire direction procedures.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Complete the Marine Artillery Operations Chief Course, Ft Sill, OK and qualify in MOS 0842, 0844, or 0847.

(3) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code. Field Artillery Senior Sergeant.

e. Related Military Skill

(1) Fire Support Man, 0861.

(2) Ground Operations Specialist, 8711.

7. MOS 0861, Fire Support Man (MGySgt to Pvt)

a. Summary. Fire support men perform duties incident to the observation, conduct, and control of artillery and naval gunfire. These duties include calling for, observing and adjusting artillery and NSFS, employment of laser designators/ range finders, employment of radar beacons for NSFS support ships and coordination of fire support assets to include mortars, rockets, artillery, NSFS and CAS/CIFS.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Marine Artillery Scout Observer Course, Ft Sill, OK.

(3) Must have normal color vision, and vision correctable to 20/20.

(4) Must have a secret security clearance.

(5) Complete the Fire Support Man Course, EWTGPAC, Coronado, CA.

(6) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

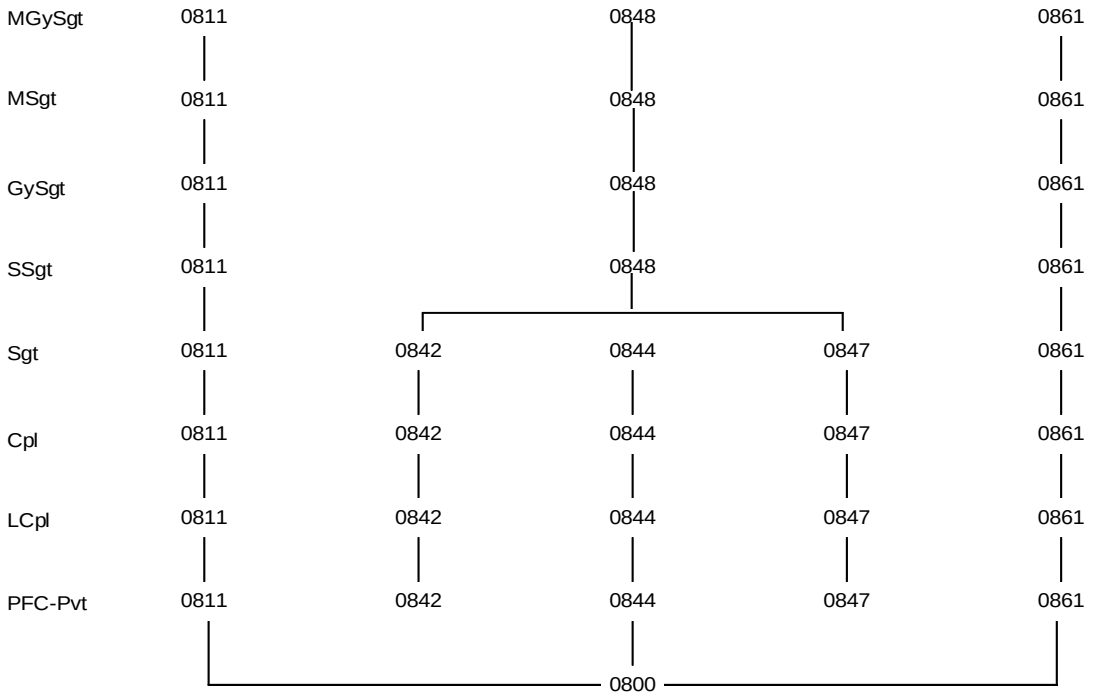
d. Related DOT Classification/DOT Code

(1) Artillery or Naval Gunfire Observer 378.367-010.
(2) Field Artillery Senior Sergeant 378.132-010.

e. Related Military Skill

(1) Field Artillery Radar Operator, 0842.

(2) Field Artillery Fire Control Man, 0844.



MOS	TITLE
0800	Basic Field Artillery Man
0811	Field Artillery Cannoneer
0842	Field Artillery Radar Operator
0844	Field Artillery Fire Control Man
0847	Artillery Meteorological Man
0848	Field Artillery Operations Man
0861	Fire Support Man

FIGURE 3-7.--Field Artillery Career Structure Chart

MOS 0811, Field Artillery Cannoneer

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** Arty Regt **Non-FMF Duty:** Ft Sill
MSgt			**FMF Duty:** Arty Bn **Non-FMF Duty:** I&I Staff
GySgt			**FMF Duty:** Arty Bn/Btry **Non-FMF Duty:** Ft Sill/TBS/RCTG/ MCRD/I&I Staff/ MCI/HQMC/MTN Warfare Trng
SSgt			**FMF Duty:** Arty Btry **Non-FMF Duty:** Ft Sill/TBS/RCTG/ MCRD
Sgt			**FMF Duty:** Arty Regt/Btry **Non-FMF Duty:** Ft Sill/TBS/RCTG/ MCRD/MB GITMO/MCB Camp Pendleton
Cpl			**FMF Duty:** Arty Btry **Non-FMF Duty:** Ft Sill/TBS/ RCTG/MCRD
LCpl-Pvt	USMC Cannon Crewman Course		**FMF Duty:** Arty Btry **Non-FMF Duty:** TBS

FIGURE 3-7.--Field Artillery Career Structure Chart

MOS 0842, Field Artillery Radar Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Field Artillery Surveyor Course	**FMF Duty:** Arty Regt **Non-FMF Duty:** Ft Sill/I&I Staff
Cpl			**FMF Duty:** Arty Regt **Non-FMF Duty:** None
LCpl-Pvt	Field Artillery Fire-finder Radar Operators Course		**FMF Duty** Arty Regt **Non-FMF Duty:** None

MOS 0844 Field Artillery Fire Control Man

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Field Artillery Surveyor Course	**FMF Duty:** Arty Btry/Bn/Regt **Non-FMF Duty:** TBS/RCTG/MCRD/ I&I Staff/MSG
Cpl			**FMF Duty:** Arty Btry/Bn/Regt **Non-FMF Duty:** TBS/MSG
LCpl-Pvt	Field Artillery Fire Control Man Course		**FMF Duty:** Arty Btry/Bn/Regt **Non-FMF Duty:** TBS/Camp Fuji

FIGURE 3-7.--Field Artillery Career Structure Chart

MOS 0847, Field Artillery Meteorological Man

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Field Artillery Surveyor Course	**FMF Duty:** Arty Regt **Non-FMF Duty:** Ft Sill/I&I Staff
Cpl			**FMF Duty:** Arty Regt **Non-FMF Duty:** None
LCpl-Pvt	Field Artillery Meteorological Crewman Course		**FMF Duty:** Arty Regt **Non-FMF Duty:** None

MOS 0848, Field Artillery Operations Man

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** Arty Regt **Non-FMF Duty:** MARCORSYSCOM/ MCAGCC/29 PALMS/ I&I Staff
MSgt			**FMF Duty:** Arty Regt/Bn **Non-FMF Duty:** MB Hawaii/I&I Staff
GySgt			**FMF Duty:** Arty Regt/Bn/ Inf Bn **Non-FMF Duty:** MARCORSYSCOM/ MCI/HQMC/ MB GITMO/Ft Sill/MSG/ RCTG/MCRD/ MCTS SA/Camp Fuji/MCAGCC/ 29 Palms/ I&I Staff

FIGURE 3-7.--Field Artillery Career Structure Chart

SSgt	Field Artillery Operations Chief Course	**FMF Duty:** Arty Btry/Bn/Regt **Non-FMF Duty:** Ft Sill/MSG/RCTG/ MCRD/TBS/MCB Camp Pend/I&I Staff

MOS 0861, Fire Support Man

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MEF **Non-FMF Duty:** None
MSgt			**FMF Duty:** Arty Regt/MEF/Div HQ/MLE **Non-FMF Duty:** I&I Staff
GySgt			**FMF Duty:** Arty Regt/Bn/MEF/ MLE **Non-FMF Duty:** I&I Staff/RCTG/ MCRD/MSG/Ft Sill/ Quantico
SSgt			**FMF Duty:** Arty Regt/Bn/Btry/ MEF/MLE **Non-FMF Duty:** RCTG/MCRD/MSG
Sgt		Marine Corps Field Artillery Fire Support Chiefs Course	**FMF Duty:** Arty Regt/Bn/MEF/ MLE **Non-FMF Duty:** RCTG/MCRD/MSG
Cpl			F**MF Duty:** Arty Regt/Bn/MEF/ MLE/Bn **Non-FMF Duty:** Ft Sill
LCpl-Pvt	Marine Artillery Scout Observer Course Fire Support Man Course		**FMF Duty:** Arty Regt/Bn/Btry MEF/MLE **Non-FMF Duty:** None

FIGURE 3-7.--Field Artillery Career Structure Chart

3113. **OCCUPATIONAL FIELD 11, UTILITIES**

1. Introduction. The utilities OccFld includes Marines who install, operate, and maintain water supply, heating, mobile electrical power generating sources, electrical distribution systems, air conditioning, refrigeration, hygiene utilities systems, and perform fabric repair. Marines entering the utilities field are assigned MOS 1100, Basic Utilities Marine, and are provided formal schooling to qualify for one of the designated MOSs within the OccFld. Later in the Marine's career, advanced formal schooling may be provided leading to assignment as a utilities chief. The opportunity to participate in a formal apprenticeship program leading to receipt of a Department of Labor Certificate of Apprenticeship Completion may be available in some MOSs within OccFld 1100; refer to MCO 1550.22 for specific information concerning this program. There are a wide variety of challenging and interesting billets available to Marines in OccFld 11, ranging from duty in engineer battalions and staff levels of the division, air wing, and force service support groups, to duty in one of the various category "B" billets (MOSs 8000-9599).

2. MOS 1141, Electrician (SSgt to Pvt)

a. Summary. Electricians install, operate, maintain, and repair electrical power distribution systems for operating forces deployed in the field. Additionally, electricians operate and perform organizational maintenance on electrical power generating equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 90 or higher.

(2) Complete the Basic Electrician Course, Marine Corps Engineer School, Camp LeJeune, NC.

(3) Must have normal color vision.

(4) Meet the physical requirements specified in TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96, Individual Training Standards.

d. Related DOT Classification/DOT Code. Electrician 824.261-010.

3. MOS 1142, Electrical Equipment Repair Specialist (SSgt to Pvt)

a. Summary. Electrical equipment repair specialists are trained in electrical concepts, repair of electric motors, electronic module repair, operation and repair of mobile electric power generators, troubleshooting equipment electrical circuits, and repair of the electrical systems on all engineer equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Complete the Basic Electrical Equipment Repairman Course, Marine Corps Engineer School, Camp Lejeune, NC.

(3) Must have normal color vision.

(4) Meet the physical requirements of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Electrician 824.261-010.

(2) Electrical Repairer 829.281-014.

4. MOS 1161, Refrigeration Mechanic (SSgt to Pvt)

a. Summary. Refrigeration mechanics install, operate, and repair refrigeration and air conditioning equipment and systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Complete the Basic Refrigeration Mechanic Course (to include meeting all EPA certification requirements), U.S. Army Ordnance School, Aberdeen Proving Ground, MD.

(3) Must have normal color vision.

(4) Meet the physical requirements of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Refrigeration Mechanic 637.261-026.

(2) Environmental Control System Installer Servicer 637.261-014.

e. Related Military Skill. Aircraft Maintenance GSE Electrician/Refrigeration Mechanic, 6073.

5. MOS 1169, Utilities Chief (MGySgt to GySgt)

a. Summary. Utilities chiefs are responsible for supervising all personnel within the utilities OccFld and for managing utilities projects. This MOS will be assigned only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Possess experience in either MOS 1141, 1142, 1161, 1171, or 1181.

(2) Must have normal color vision.

(3) Meet the physical requirements of TM 11275-15/4.

(4) Completion of the Utilities Chiefs Course is required within 1 year after selection to the grade of gunnery sergeant, unless assigned outside the MOS in a non-FMF command such as recruiting/MSG duty. In these cases, after reassignment to a billet requiring MOS 1169, Marines should attend this course within 12 months.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Utilities and Maintenance Supervisor 899.131-018.

(2) Supervisory Wastewater Treatment Plant Operator 955.130-010.

(3) Maintenance Supervisor 891.137-010.

e. Related Military Skill. Combat Engineer, 1371.

6. MOS 1171, Hygiene Equipment Operator (SSgt-Pvt)

a. Summary. Hygiene equipment operators install, operate, inspect, perform preventive and corrective maintenance on pumps, water purification equipment, water distribution systems, laundry and shower facilities and fumigation equipment. They also conduct and evaluate water surveys, water reconnaissance, and water quality analysis. Hygiene equipment operators will attend a combined course for installation, operation, maintenance and repair of water purification, distribution, and hygiene equipment and systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 85 or higher.

(2) Complete the Basic Hygiene Equipment Operator Course, Marine Corps Engineer School, Camp LeJeune, NC.

(3) Must have normal color vision.

(4) Must meet the physical requirements of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96, Individual Training Standards.

d. Related DOT Classification/DOT Code. Plumber 862.381-030.

7. MOS 1181, Fabric Repair Specialist (SSgt to Pvt)

a. Summary. Fabric repair specialists supervise and perform the fabrication and repair of canvas and textile equipment. Some of the equipment the specialists may be called upon to repair or fabricate includes the interior of motor vehicles, tarpaulins, gun and instrument covers, and cartridge belts. Fabric repair specialists may perform or supervise the alteration and repair of clothing.

b. Requirements/Prerequisites

(1) Must possess an MM score of 85 or higher.

(2) Complete the Fabric Repair Specialist Course, U.S Army Quartermaster School, Ft Lee, VA.

(3) Must have normal color vision.

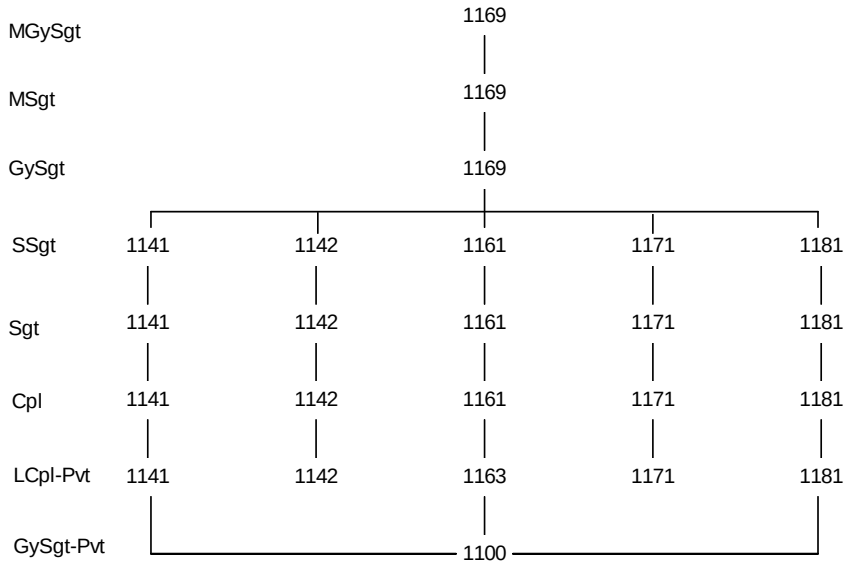
(4) Meet the physical requirements of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Canvas Repairer 782.684-010.

(2) Mender 787.682-030.



MOS	TITLE
1100	Basic Utilities Marine
1141	Electrician
1142	Electrical Equipment Repair Specialist
1161	Refrigeration Mechanic
1169	Utilities Chief
1171	Hygiene Equipment Operator
1181	Fabric Repair Specialist

FIGURE 3-8.--Utilities Career Structure Chart

MOS 1141, Electrician

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt	Utilities Chief Course		**FMF Duty:** Electrician **Non-FMF Duty:** Instructor MCES/ I&I Staff
Sgt		Electrician NCO Course	**FMF Duty:** Electrician
Cpl		Electrician NCO Course	**FMF Duty:** Electrician
LCpl-Pvt	Basic Electrician Course		**FMF Duty:** Electrician

MOS 1142, Electrical Equipment Repair Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt	Utilities Chief Course		**FMF Duty:** Electrician **Non-FMF Duty:** Instructor MCES/ I&I Staff
Sgt			**FMF Duty:** Electrical Equipment Repair Specialist
Cpl			**FMF Duty:** Electrical Equipment Repair Specialist
LCpl-Pvt	Electrical Equipment Repairman Course		**FMF Duty:** Electrical Equipment Repair Specialist

FIGURE 3-8.--Utilities Career Structure Chart

MOS 1161, Refrigeration Mechanic

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt	Utilities Chief Course		**FMF Duty:** Refrigeration Mechanic **Non-FMF Duty:** Instructor MCES/ I&I Staff/APG, MD
Sgt			**FMF Duty:** Refrigeration Mechanic **Non-FMF Duty:** Instructor APG, MD/I&I Staff
Cpl			**FMF Duty:** Refrigeration Mechanic **Non-FMF Duty:** None
LCpl-Pvt	Basic Refrigeration Mechanic Course		**FMF Duty:** Refrigeration Mechanic **Non-FMF Duty:** None

MOS 1169, Utilities Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt			**FMF Duty:** Utilities Chief **Non-FMF Duty:** Instructor MCES/ I&I Staff
MSgt			**FMF Duty:** Utilities Chief **Non-FMF Duty:** Instructor MCES/ I&I Staff
GySgt	Utilities Chief Course		**FMF Duty:** Utilities Chief **Non-FMF Duty:** Instructor MCES/ I&I Staff

FIGURE 3-8.--Utilities Career Structure Chart

MOS 1171, Hygiene Equipment Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt	Utilities Chief Course		**FMF Duty:** Hygiene Equipment Operator/Water Supply Chief/ Hygiene Chief **Non-FMF Duty:** Instructor MCES/ I&I Staff
Sgt		Hygiene Equipment Operator NCO Course	**FMF Duty:** Hygiene Equipment Operator **Non-FMF Duty:** None
Cpl		Hygiene Equipment Operator NCO Course	**FMF Duty:** Hygiene Equipment Operator **Non-FMF Duty:** None
LCpl-Pvt	Basic Hygiene Equipment Operator		**FMF Duty:** Hygiene Equipment Operator **Non-FMF Duty:** None

MOS 1181, Fabric Repair Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt	Utilities Chief Course		**FMF Duty:** Fabric Repair Chief **Non-FMF Duty:** Instructor Formal School
Sgt		Sergeants Course	**FMF Duty:** Fabric Repair Specialist **Non-FMF Duty:** None
Cpl			**FMF Duty:** Fabric Repair Specialist

FIGURE 3-8.--Utilities Career Structure Chart

		Non-FMF Duty: None
LCpl-Pvt	Fabric Repair Specialist Course	**FMF Duty:** Fabric Repair Specialist **Non-FMF Duty:** None

FIGURE 3-8.--Utilities Career Structure Chart

3114. **OCCUPATIONAL FIELD 13, ENGINEER, CONSTRUCTION, FACILITIES, AND EQUIPMENT**

1. Introduction. The engineer, construction, facilities, and equipment OccFld comprises Marines whose duties include metalworking and welding; repair, maintenance, and operation of engineer heavy equipment such as cranes and bulldozers; construction and repair of military structures and facilities; clearing and emplacing obstacles such as minefields; construction of standard and nonstandard bridging; and emplacing and detonating explosives for construction and demolition projects. Also, some Marines in the field work with the storage and distribution of bulk fuel products. Marines entering the field receive MOS 1300, Basic Engineer, Construction, and Equipment Marine. The basic Marine may be assigned a variety of MOSs and may be sent to a variety of formal schools. The MOSs that initially are available are metal worker, engineer equipment mechanic, engineer equipment operator, combat engineer, engineer assistant, and bulk fuel specialist. The opportunity to participate in a formal apprenticeship program leading to receipt of a Department of Labor Certificate of Apprenticeship Completion may be available in some MOSs within OccFld 1300; refer to MCO 1550.22 for specific information concerning this program. There are a variety of challenging and interesting billets available in OccFld 13, ranging from inspector-instructor duty to duty within the Marine divisions, force service support groups, and Marine aircraft wings. Also, various category "B" billets are available (MOSs 8000-9599).

2. MOS 1316, Metal Worker (SSgt to Pvt)

a. Summary. Metal workers examine drawings and work orders; determine sequence of operations, materials, tools, equipment, time, and personnel required. They also perform installation, operation, maintenance and repair of metalworking, and welding equipment and material.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete the Basic Metal Workers Course, U.S. Army Ordnance School, Aberdeen Proving Grounds, MD.

(3) Meet the physical requirements of TM 11275-15/4.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Welder, Combination 819.384-010.

(2) Welding Supervisor 819.131-014.

e. Related Military Skill. Aircraft Welder, 6043.

3. MOS 1341, Engineer Equipment Mechanic (SSgt to Pvt)

a. Summary. Engineer equipment mechanics perform preventive maintenance and make repairs to diesel engines and gasoline and diesel driven construction equipment such as tractors, power shovels, road machinery, air compressors, concrete mixers and other engine driven or towed construction equipment.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete the Construction Equipment Repairer Course, U.S. Army Engineer School, Ft Leonard Wood, MO.

(2) Meet the physical requirements of TM 11275-15/4.

(3) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Construction-Equipment Mechanic 620.261-022.

(2) Diesel Mechanic 625.281-010.

e. Related Military Skill. Main Battle Tank Repairer/Technician, 2146.

4. MOS 1342, Small Craft Mechanic (SSgt to LCpl)*

a. Summary. Small craft mechanics perform preventive maintenance and make repairs to small craft, including riverine assault craft; metal, fiberglass, and rubber hulled small craft; diesel motors; propeller and hydrojet propulsion systems; and small craft trailers and cradle systems. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must be qualified in MOS 1341.

(2) Must possess an MM score of 95 or higher.

(3) Complete the Small Craft Mechanics Course, Marine Corps Engineer School, Camp Lejeune, NC.

(4) Meet the physical requirements of TM 11275-15/4.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Construction-Equipment Mechanic 620.261-022.

(2) Diesel Mechanic 625.281-010.

e. Related Military Skill. Main Battle Tank Repairer/Technician, 2146.

5. MOS 1345, Engineer Equipment Operator (SSgt to Pvt)

a. Summary. Engineer equipment operators operate gasoline or diesel engine powered, self-propelled, skid-mounted, and towed engineer construction equipment including accessories and allied equipment used in earthmoving, grading, excavation, logging, clearing, and landing operations.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete the Engineer Equipment Operator Course, U.S. Army Engineer School, Ft Leonard Wood, MO.

(3) Non-MOS qualified Reserve Marines unable to attend the regular formal school course may be certified for MOS 1345, as an AMOS-only, by the commander upon successful completion of the Alternate Training Instructional Program (ATIP) of the Marine Force Reserves. The ATIP for MOS 1345 Marines is found in Force Order 1535.1 and consists of core tasks to be performed to standard at Reserve MOJT. A minimum of six months MOJT while assigned to a 1345 billet is required.

(4) Must have vision correctable to 20/20 and depth perception (third degree binocular fusion).

(5) Must be a minimum height of 66 inches.

(6) Must meet the licensing requirements of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Plant Operator 570.682-014.

(2) Blaster 859.261-010.

e. Related Military Skill. Engineer Equipment Mechanic, 1341.

6. MOS 1349, Engineer Equipment Chief (MGySgt to GySgt)

a. Summary. Engineer equipment chiefs manage the activities of enlisted personnel performing engineer equipment operation, maintenance, and repair. This MOS will be assigned only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Possess experience in either MOS 1316, 1341, or 1345.

(3) Completion of the Engineer Equipment Chief Course, U.S. Army Engineer School, Ft Leonard Wood, MO is required within 1 year after selection to the grade of gunnery sergeant, unless assigned outside the MOS in a non-FMF command such as recruiting/MSG duty. In these cases, after reassignment to a billet requiring MOS 1349, Marines should attend this course within 6 months.

(4) Must have vision correctable to 20/20 and depth perception (third degree binocular fusion).

(5) Must meet the licensing requirements of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code. Manager, Bulk Plant.

e. Related Military Skill. Motor Transport Maintenance Chief, 3529.

7. MOS 1361, Engineer Assistant (GySgt to Pvt)

a. Summary. Engineer assistants perform various duties incidental to construction design, planning, estimating, and management. Personnel assigned this MOS are trained to use optical reading/electronic total station survey instruments to establish the horizontal and vertical alignment/layout for construction projects. In addition, they are trained to use manual/Computer Aided Drafting (CAD) methods of preparing architectural/mechanical/civil drawings, to include computations for bills of material/earthwork volumes.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) High school courses in geometry and algebra are required. High school courses in trigonometry are desired.

(3) Complete the Technical Engineering Course, U.S. Army Engineer School Ft Leonard Wood, MO.

(4) Upon promotion to master sergeant, engineer assistants are assigned MOS 1371. As such, completion of the Engineer Operations Chief Course is required within 1 year after selection to the grade of master sergeant, unless assigned outside the MOS in a non-FMF command such as recruiting/MSG duty. In these cases, after reassignment to a billet requiring MOS 1371, Marines will attend this course within 6 months.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Surveyor Assistant, Instrument 018.167-034.

(2) Geodetic Computer 018.167-014.

(3) Drafter, Civil 065.281-010.

e. Related Military Skill. Topography Intelligence Specialist, 0261.

8. MOS 1371, Combat Engineer (MGySgt to Pvt)

a. Summary. Combat engineers construct, alter, repair, and maintain buildings and structures; lift and move heavy objects and equipment by setting up, bracing, and utilizing rigging devices and equipment; and perform various duties incidental

to the use of demolitions in construction projects and destruction of objects. Personnel assigned this MOS are taught carpentry and other construction skills as well as demolitions, specialized demolitions for urban breaching and land mine warfare.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete the Basic Combat Engineer Course, Marine Corps Engineer School, Camp Lejeune, NC.

(3) Non-MOS qualified Reserve Marines unable to attend the regular formal school course may be certified for MOS 1371, as an AMOS-only, by the unit commander upon successful completion of the Alternate Training Instructional Program (ATIP) of the Marine Force Reserves. The ATIP for MOS 1371 Marines is found in Force Order 1535.1 and consists of two phases of Reserve Basic Combat Engineer Course, including a minimum of 6 months MOJT while assigned to a 1371 billet.

(4) Completion of Engineer Operations Chief Course is recommended upon promotion to GySgt.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Carpenter 860.381-022.

(2) Rigger 921.260-010.

9. MOS 1391, Bulk Fuel Specialist (MGySgt to Pvt)

a. Summary. Bulk fuel specialists install, operate, maintain and repair fuel handling units and accessory equipment, and test petroleum products to evaluate the quality used in amphibious assault fuel handling systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Must have normal color vision.

(3) Complete the Bulk Fuel Specialist Course, U.S. Army Quartermaster School, Ft Lee, VA.

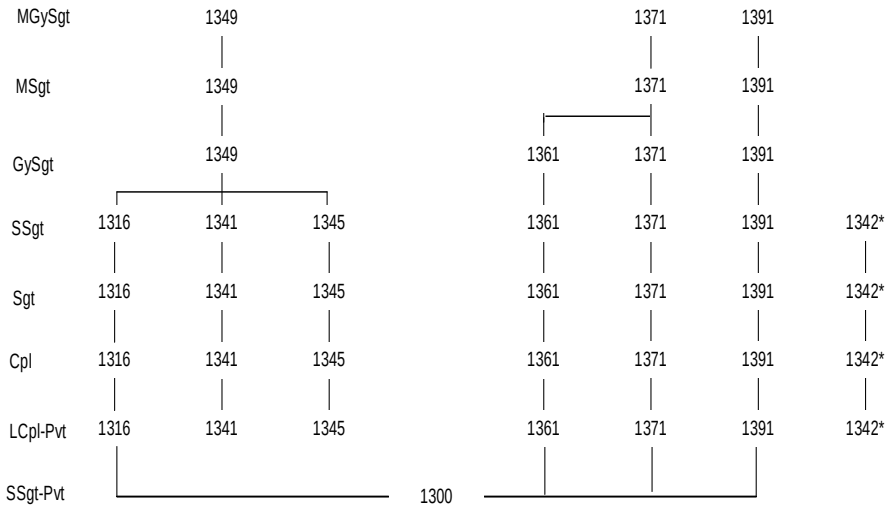
c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Fuel System Maintenance Worker 638.381-010.

(2) Fuel System Maintenance Supervisor 638.131-010.

e. Related Military Skill. None.



MOS	TITLE
1300	Basic Engineer, Construction, and Equipment Marines
1316	Metal Worker
1341	Engineer Equipment Mechanic
*1342	Small Craft Mechanic
1345	Engineer Equipment Operator
1349	Engineer Equipment Chief
1361	Engineer Assistant
1371	Combat Engineer
1391	Bulk Fuel Specialist

* Identifies Skill Designator.

FIGURE 3-9.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

MOS 1316, Metal Worker

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt			**FMF Duty:** Metal Worker Chief **Non-FMF Duty:** Instructor MCES
Sgt			**FMF Duty:** Metal Worker **Non-FMF Duty:** None
Cpl			**FMF Duty:** Metal Worker **Non-FMF Duty:** None
LCpl-Pvt	Basic Metal Worker Course		**FMF Duty:** Metal Worker **Non-FMF Duty:** None

MOS 1341, Engineer Equipment Mechanic

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt		Soils Analysis Course	**FMF Duty:** Maintenance Chief **Non-FMF Duty:** Instructor MCES/ I&I Duty
Sgt		Engineer Equipment Mechanic NCO Course	**FMF Duty:** Engineer Equipment Mechanic **Non-FMF Duty:** None

FIGURE 3-9.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

Cpl		Engineer Equipment Mechanic NCO Course	**FMF Duty:** Engineer Equipment Mechanic/PEB Clerk **Non-FMF Duty:** None
LCpl-Pvt	Construction Equipment Repairer Course		**FMF Duty:** Engineer Equipment Mechanic **Non-FMF Duty:** None

MOS 1342, Small Craft Mechanic

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt			**FMF Duty:** Small Craft Mechanic **Non-FMF Duty:** Instructor MCES/ I&I Duty
Sgt		Engineer Equipment Mechanic NCO Course	**FMF Duty:** Small Craft Mechanic **Non-FMF Duty:** None
Cpl		Engineer Equipment Mechanic NCO Course	**FMF Duty:** Small Craft Mechanic/ PEB Clerk **Non-FMF Duty:** None
LCpl-Pvt	Construction Equipment Repairer Course Small Craft Mechanic Course		**FMF Duty:** Small Craft Mechanic **Non-FMF Duty:** None

FIGURE 3-9.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

MOS 1345, Engineer Equipment Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt		Soils Analysis Course	**FMF Duty:** Operations Chief **Non-FMF Duty:** Instructor MCES/ I&I Duty
Sgt		Engineer Equipment Operator NCO Course	**FMF Duty:** Engineer Equipment Operator **Non-FMF Duty:** None
Cpl		Engineer Equipment Operator NCO Course	**FMF Duty:** Engineer Equipment Operator/MIMMS Clerk **Non-FMF Duty:** None
LCpl-Pvt	Engineer Equipment Operator Course		**FMF Duty:** Engineer Equipment Operator **Non-FMF Duty:** None

MOS 1349, Engineer Equipment Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** Operations Chief/ Maintenance Chief **Non-FMF Duty:** Instructor MCES/ I&I Duty
MSgt			**FMF Duty:** Operations Chief/ Maintenance Chief **Non-FMF Duty:** Instructor MCES/ I&I Duty

FIGURE 3-9.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

GySgt	Engineer Equipment Chief Course		**FMF Duty:** Operations Chief/ Maintenance Chief **Non-FMF Duty:** Instructor MCES/ I&I Duty

MOS 1361, Engineer Assistant

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt	Engineer Operations Chief Course		**FMF Duty:** Drafting and Surveying Chief/ Operations Chief **Non-FMF Duty:** Instructor USAEC
SSgt		Engineer Assistant Chief Course	**FMF Duty:** Drafting Chief/ Survey Chief **Non-FMF Duty:** Instructor USAEC
Sgt		Engineer Assistant Chief Course	**FMF Duty:** Team Chief/ CADD Manager **Non-FMF Duty:** Instructor USAEC
Cpl		Engineer Assistant Chief Course	**FMF Duty:** Draftsman/ Surveyor **Non-FMF Duty:** None
LCpl-Pvt	Technical Engineering Course		**FMF Duty:** Draftsman/ Surveyor **Non-FMF Duty:** None

FIGURE 3-9.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

MOS 1371, Combat Engineer

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MEF/FSSG/Div HQ/ Operations Chief/ MAW **Non-FMF Duty:** Instructor MCES/ I&I Duty
MSgt			**FMF Duty:** MEF/FSSG/Div HQ/ Operations Chief/ Construction Chief/ MAW **Non-FMF Duty:** Instructor MCES/ I&I Duty
GySgt	Engineer Operations Chief Course		**FMF Duty:** MEF/FSSG/Div HQ/MAW/ Operations/ Construction Chief **Non-FMF Duty:** Instructor MCES/ I&I Duty
SSgt			**FMF Duty:** Engineer Platoon Sergeant/ FSSG/Div HQ/MAW **Non-FMF Duty:** Instructor MCES
Sgt		Combat Engineer NCO Course	**FMF Duty:** Construction Foreman/Squad Leader **Non-FMF Duty:** Instructor USAEC
Cpl		Combat Engineer NCO Course	**FMF Duty:** Combat Engineer **Non-FMF Duty:** None
LCpl-Pvt	Basic Combat Engineer Course		**FMF Duty:** Combat Engineer **Non-FMF Duty:** None

FIGURE 3-9.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

MOS 1391, Bulk Fuel Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** TAFDS/AAFS/ Operations Chief **Non-FMF Duty:** Station Fuels Chief/ I&I Duty
MSgt			**FMF Duty:** TAFDS/AAFS/ Operations Chief **Non-FMF Duty:** Fuels Chief/I&I Duty/ Instructor USAQMS
GySgt		Advanced Bulk Petroleum Course	**FMF D**uty: Fuels Chief **Non-FMF Duty:** Instructor USAQMS/ I&I Duty
SSgt		Advanced Bulk Petroleum Course	**FMF Duty:** Fuel Team Chief/ Quality Control Specialist **Non-FMF Duty:** Instructor USAQMS
Sgt		Petroleum Laboratory Specialist Course	**FMF Duty:** Bulk Fuel Specialist/ Squad Leader **Non-FMF Duty:** None
Cpl		Petroleum Laboratory Specialist Course	**FMF Duty:** Bulk Fuel Specialist **Non-FMF Duty:** None
LCpl-Pvt	Bulk Fuel Specialist Course		**FMF Duty:** Bulk Fuel Specialist **Non-FMF Duty:** None

FIGURE 3-9.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

3115. **OCCUPATIONAL FIELD 18, TANK AND ASSAULT AMPHIBIOUS VEHICLE**

1. Introduction. The tank and assault amphibian vehicle OccFld includes operation, employment, maneuver, and maintenance of tracked vehicles in the combined arms environment during both amphibious assaults and subsequent land operations ashore. Qualifications required include basic mechanical aptitude and the ability to perform harmoniously with others in the confined area inside combat vehicles. The duties involved are incident to the operation, employment, maneuver, and maintenance of tanks and assault amphibious vehicles. Formal schooling is provided to Marines at both the entry level and at the appropriate time in career development. Marines entering this OccFld receive MOS 1800, Basic Tank and Assault Amphibious Vehicle Crewman. After entry into OccFld 18 and assignment of a basic 1800 MOS, personnel specialize in either the M1A1 tank or the assault amphibious vehicle are assigned MOS 1812, or 1833 respectively.

2. MOS 1812, M1A1 Tank Crewman (MGySgt to Pvt)

a. Summary. As members of an M1A1 tank crew or unit, M1A1 tank crewman perform various duties incident to the operation and maintenance of the tank, to include tactical employment, firing and maneuvering. Typical duties include preparing tanks, personnel, and equipment for movement and combat; preparation of ammunition for firing; locating targets; loading, aiming and firing of organic tank weapons using the tank fire control system; driving the tank; and performance of operator-level preventive and corrective maintenance.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Complete the M1A1 Armor Crewman Course, Ft Knox, KY. (Note: 1811s that graduate from an M1A1 qualification course at Ft Knox, will become 1812s. Non-MOS qualified prior service reservist may be certified as 1812s after completion of a two-phased training syllabus combined into a nineteen-day attendance at the Marine Corps M1A1 Reserve Tank Commander/Gunner Course (MCRTCGC), Ft Knox, KY. Upon completion of the MCRTCGC, the battalion inspector-instructor may certify the Marine based upon satisfactory demonstration of the core skills as set forth in the Individual Training Standards while occupying a billet requiring the AMOS).

(3) Must have vision correctable to 20/20.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.98, Individual Training Standards.

d. Related DOT Classification/DOT Code. Tank Crewmember 378.683-018.

e. Related Military Skill. None.

3. MOS 1833, Assault Amphibious Vehicle (AAV) Crewman (MGySgt to Pvt)

a. Summary. As members of an AAV crew or unit, AAV crewmen perform various duties incident to the operation and maintenance of assault amphibious vehicles and the up-gunned weapons station (UGWS) MK19 40 MM/50 CAL M2. AAV crewman prepares AAVs for the tactical employment of troops and equipment during ship to shore movement and subsequent operations ashore.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Must have a CWS II swimmer qualification.

(3) Complete the Assault Amphibian Crewman Course, Camp Pendleton, CA.

(4) Section Leaders (SSgt/Sgt) must complete the Assault Amphibian Unit Leader Course, Camp Pendleton, CA.

(5) Must have visual acuity correctable to 20/40 in both eyes.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.103, Individual Training Standards.

d. Related DOT Classification/DOD Code. Amphibian Crewmember.

e. Related Military Skill. M1A1 Tank Crewman, 1812.

4. MOS 1834, Expeditionary Fighting Vehicle (EFV) Crewman (MGySgt to Pvt)

a. Summary. Expeditionary fighting vehicle crewman perform various duties incident to the operation and maintenance of the vehicle, to include tactical employment, precision gunnery using the Mk 46 Weapon system, and maneuver. EFV crewmen employ their vehicle during ship to objective maneuver and during subsequent operations ashore. Typical duties may include preparing the EFV and associated equipment for movement and combat, locating and engaging targets, driving the AAAV in the water and ashore, and performance of first echelon preventive and corrective maintenance.

b. Requirements/Prerequisites

(1) Must have a GT score of 90 or higher.

(2) Must qualify as CWS II swimmer.

(3) Must be qualified as a 1833 Crewman assigned to 1834 billet and approved by the OccFld Manager.

(4) Must have visual acuity correctable to 20/40 in both eyes.

(5) Must have normal color vision.

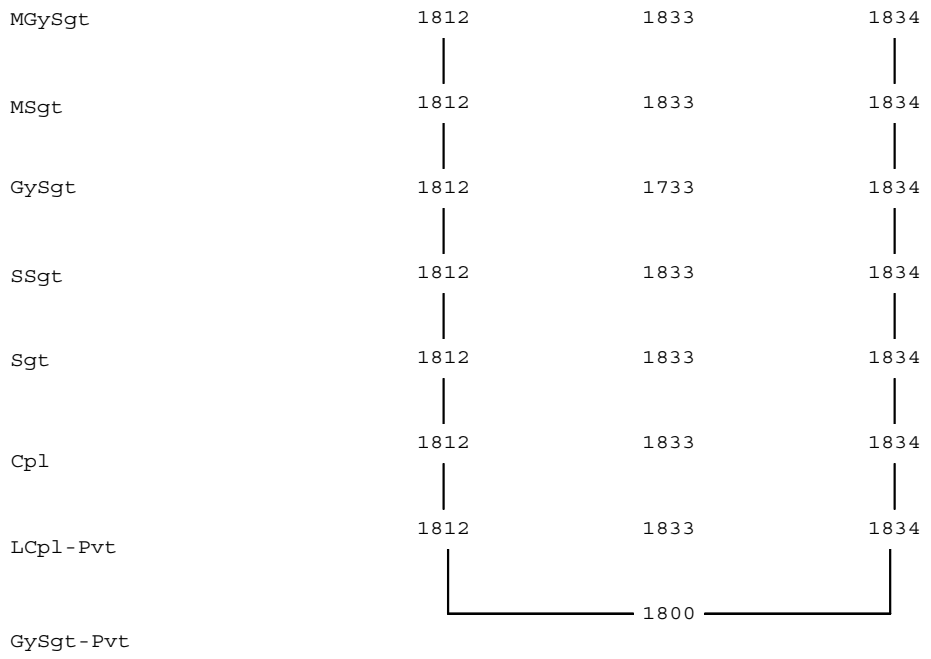
c. Duties. For a complete listing of duties and tasks, refer to EFV Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Amphibian Crewman.

e. Related Military Skill

(1) AAV M1A1 Tank Crewman, 1812.

(2) AAV Crewman, 1833.



MOS	TITLE
1800	Basic Tank and Assault Amphibious Vehicle Crewman
1812	M1A1 Tank Crewman
1833	Assault Amphibious Vehicle Crewman
1834	Expeditionary Fighting Vehicle (EFV) Crewman

FIGURE 3-10.--Tank and Assault Amphibious Vehicle Career Structure Chart

MOS 1812, M1A1 Tank Crewman

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** Bn Op Chief **Non-FMF Duty:** I&I Staff
MSgt		M1A1 Master Gunner Course	**FMF Duty:** Bn Master Gunner/Bn Log Chief/Tank Leader **Non-FMF Duty:** I&I Staff/ Instructor U.S. Army Armor School
GySgt		M1A1 Master Gunner Course ANCOC M1A1 Armor Crewman Course SIO Unit Conduct of Fire Senior Instructor Operator Course	**FMF Duty:** Platoon Sergeant **Non-FMF Duty:** I&I Staff/ Instructor U.S. Army Armor School
SSgt		M1A1 Master Gunner Course SNCO Career Resident Course ANCOC M1A1 Armor Crewman Course	**FMF Duty:** Tank Section Leader **Non-FMF Duty:** Instructor U.S. Army Armor School
Sgt		BNCOC M1AL Armor Crewman Course	**FMF Duty:** Tank Commander **Non-FMF Duty:** None
Cpl			**FMF Duty:** Tank Gunner **Non-FMF Duty:** None
LCpl-Pvt	M1A1 Armor Crewman Course		**FMF Duty:** Tank Crewman/ Driver/Loader **Non-FMF Duty:** None

FIGURE 3-10.—Tank and Assault Amphibious Vehicle Career Structure Chart

MOS 1833, Assault Amphibious Vehicle (AAV) Crewman

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt		Senior School, Staff Planning Course	**FMF Duty:** Bn Op Chief/MEF/ Div HQ/FSSG Staff/School Instructor **Non-FMF Duty:** Assault Amphib School Bn/Amphibious Vehicle Test Branch (AVTB)
MSgt			**FMF Duty:** MEF/Div HQ/FSSG/ Bn Staff/CO Staff/ Instructor **Non-FMF Duty:** I&I Staff/ Assault Amphib School Bn/AVTB
GySgt	Advanced Amphibian Vehicle Unit Leader Course		**FMF Duty:** MEF/Div HQ/FSSG/ Bn Staff/ CO Staff/ Platoon Sgt/ Instructor **Non-FMF Duty:** MARCORSYSCOM/ HQMC/MCCDC, Bn/AVTB
SSgt	Advanced Amphibian Vehicle Unit Leader Course	SNCO Academy	**FMF Duty:** Bn Staff/ Section Leader/ Instructor **Non-FMF Duty:** Assault Amphib School Bn/AVTB

FIGURE 3-10.--Tank and Assault Amphibious Vehicle Career Structure Chart

Sgt/ Cpl		**FMF Duty:** Crew Chief/ Instructor **Non-FMF Duty:** Assault Amphib School Bn/AVTB
LCpl/ Pvt	AAV Crew Course	**FMF Duty:** AAV Crew **Non-FMF Duty:** None

FIGURE 3-10.--Tank and Assault Amphibious Vehicle Career Structure Chart

3116. **OCCUPATIONAL FIELD 21, GROUND ORDNANCE MAINTENANCE**

1. Introduction. The Ground Ordnance Maintenance OccFld assures the MARFOR that serviceable ordnance materials are available. Duties include the inspection, repair, and maintenance of most weapon systems possessed by Marine Corps units. Qualifications required include basic ordnance administration and knowledge; the capability to technically inspect/analyze an ordnance item and repair/fabricate the same, and to understand and implement repair shop/armory operational procedures. The requirement also exists to impart technical knowledge to organizational personnel, crews, and supervisors for proper preventive maintenance, inspections, and application. Ground Ordnance Maintenance personnel will be required to learn Ground Ordnance Maintenance administrative procedures, repair analysis, technical inspection procedures, repair procedures, testing of ordnance equipment, and quality control methodology. Types of entry/level jobs available include armorer, artillery repairer, assault amphibious vehicle/tank/optical/laser/small missile repairer/ machinist. Marines entering this OccFld will receive MOS 2100, Basic Ground Ordnance Maintenance Marine.

2. MOS 2111, Small Arms Repairer/Technician (GySgt to Pvt)

a. Summary. Small arms repairer/technician in the grade of Private through Lance Corporal, under supervision, performs basic duties incident to inspection, maintenance, and repair of all small arms, less vehicular mounted weapons. The small arms repairer/technician also completes basic shop administrative forms and records utilizing technical manuals. At the Corporal through Gunnery Sergeant level the small arms repairer/technician performs, trains, and supervises various duties incident to inspection, maintenance, and repair of all small arms, to include vehicular mounted small arms. The small arms repairer/technician also prepares, maintains, and supervises a shop maintenance and management program and coordinates maintenance and repair of small arms according to grade.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete Ground Ordnance Intermediate Level Supervisors Course (CID A01GBC1) by Sergeant through Staff Sergeant with 24 months remaining on active duty upon completion of the course. In the case of lateral move, must have served a minimum of one year in MOS 2111. Prerequisites for USMCR include serving in an active reserve billet in MOS 2111.

(3) Must pass the Command Arms Ammunition, and Explosive (AA&E) screening.

(4) No conviction by court-martial, civilian court or nonjudicial punishment of any act involving larceny, theft, or drugs.

(5) Complete the Small Arms Repair Course.

(6) Marines completing “B” billets (i.e., drill instructor, recruiting duty, etc.) should attend the Ground Ordnance Intermediate Level Supervisors Course prior to MARFOR assignment.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code. Gunsmith 632.281.010.

3. MOS 2112, Precision Weapons Repairer (GySgt to Cpl)*

a. Summary. The precision weapons repairer performs duties incident to inspection, maintenance, fabrication, and repair of precision small arms in support of the Competition-In-Arms Program (CIAP) and Depot Maintenance Intraservice Support Agreement (DMISA) program. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must meet the requirements/prerequisites of MOS 2111 and possess an MM score of 105 or higher.

(2) Must successfully complete MOS 2112 managed on-the-job (MOJT) program.

(3) Potential MOS 2112 candidates must be at least a corporal through staff sergeant, with at least three years of obligated service remaining upon completion of the MOJT program.

(4) Must have a working knowledge of the Competition-in-Arms Program.

(5) Operate power and machinists tools and equipment.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards/

d. Related DOT Classification/DOT Code

(1) Machine Set-Up Operator 600.380-018.

(2) Machinist 600.280-022.

e. Related Military Skill

(1) Small Arms Repairer/Technician, 2111.

(2) Machinist, 2161.

4. MOS 2131, Towed Artillery Systems Technician (GySgt to Pvt)

a. Summary. The towed artillery systems technician, under supervision, performs basic duties incident to inspection, maintenance, and repair of towed artillery howitzers. The towed artillery systems technician also completes basic shop administrative forms and records utilizing technical manuals. At the Gunnery Sergeant through Corporal level, the towed artillery systems technician performs, trains and supervises various duties incident to inspection, maintenance and repair of towed artillery howitzers. The towed artillery systems technician also prepares, maintains and supervises a shop maintenance and management program, and performs the maintenance and repair of towed artillery howitzers according to grade.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete the Towed Artillery Repairer Course.

(3) Complete the Ground Ordnance Intermediate Level Supervisor Course (CID

A01GBC1) by Sergeant through Staff Sergeant with 24 months remaining on active duty upon completion of the course. In the case of lateral move, must have served a minimum of one year in MOS 2131. Prerequisites for USMCR include serving in an active reserve billet in MOS 2131.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Ordnance Artificer 632.261-018.

(2) Artillery-Maintenance Supervisor 632.131-010.

5. MOS 2141, Assault Amphibious Vehicle (AAV) Repairer/Technician (GySgt to Pvt)

a. Summary. The AAV repairer/technician, under supervision, performs basic automotive and hull duties incident to inspection, maintenance, and repair of the AAV family of vehicles. The AAV repairer/technician also completes basic shop administrative forms and records utilizing technical manuals. At the Gunnery Sergeant to Corporal level supervises, and performs various duties incident to the inspection, maintenance, and repair of the automotive and turret systems of the AAV. The AAV repairer/technician also prepares, maintains and supervises a shop maintenance and management program, and coordinates maintenance and recovery operations according to grade.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Complete the Assault Amphibious Vehicle Repairer Basic Course.

(3) Must have a class III swimmer qualification.

(4) Complete the AAV Intermediate Assault Amphibian Repairman Course upon promotion to the grade of corporal and have a minimum of 24 months of obligated service remaining upon completion of the course.

(5) Marines completing "B" billets (i.e., drill instructor, recruiting duty etc.) should reattend the intermediate course prior to MARFOR assignment.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Mechanic, Endless Track Vehicle 620.381-014.

(2) Diesel Mechanic 625.281-010.

e. Related Military Skill. Engineer Equipment Mechanic, 1341.

6. MOS 2146, Main Battle Tank (MBT) Repairer/Technician (GySgt-Pvt)

a. Summary. The MBT repairer/technician performs basic automotive duties incident to inspection, maintenance, and repair of the Marine Corps MBT, Tank Retriever (M88A2), and Armored Vehicle Launched Bridge (AVLB). The MBT

repairer/technician also completes basic shop administrative forms and records utilizing technical manuals. At the grades of Sergeant and above, the MBT repairer/technician trains, supervises, and performs various duties and tasks incident to the inspection, maintenance, and repair of the automotive and turret systems of the Marine Corps MBT. The MBT repairer/technician also prepares, maintains, and supervises a shop maintenance and management program, and coordinates maintenance and recovery operations according to grade.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Complete the M1A1 Tank System Mechanic Course.

(3) Possesses and demonstrates those leadership traits and principles applicable to grade.

(4) Complete the MBT Tank System Technician Course at the grade of Sergeant and have 24 months or more on active duty upon completion of the course.

(5) Marines completing "B" billets (i.e., drill instructor, recruiter, etc.) should reattend the intermediate course prior to being reassigned to the MARFOR.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Mechanic, Endless Track Vehicle 620.381-014.

(2) Ordnance Artificer 632.261-018.

e. Related Military Skill

(1) Engineer Equipment Mechanic, 1341.

(2) Towed Artillery Systems Technician, 2131.

7. MOS 2147, Light Armored Vehicle (LAV) Repairer/Technician (GySgt to Pvt)

a. Summary. The LAV repairer/technician, under supervision, performs basic automotive duties and tasks incident to inspection, maintenance, and repair of the LAV family of vehicles. The LAV repairer/technician also completes basic shop administrative forms and records utilizing technical manuals. At the grades of sergeant and above, the LAV systems technician trains, supervises, and performs various duties and tasks incident to the inspection, maintenance, and repair of automotive and turret systems of the LAV family of vehicles. The LAV systems technician also prepares, maintains and supervises a shop maintenance and management program, and coordinates maintenance and recovery operations according to grade.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Complete the Light Armored Vehicle Repairman Course.

(3) Qualified class III swimmer.

(4) Complete the LAV Intermediate Repair Course at grade of sergeant and have 24 months or more remaining on active duty upon completion of the course.

(5) Marines completing "B" billets (i.e., drill instructor, recruiting duty, etc.) should re-attend the intermediate course prior to MARFOR assignment.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Automobile Mechanic 620.261-010.

(2) Diesel Mechanic 625.281-010.

e. Related Military Skill

(1) Engineer Equipment Mechanic, 1341.

(2) Intermediate Automotive Mechanic, 3522.

8. MOS 2148, Expeditionary Fighting Vehicle (EFV) Repairer/Technician (GySgt to Pvt)

a. Summary. The EFV repairman/technician under supervision performs basic duties incident to inspection, troubleshooting, maintenance, and repair of the AAAV family of vehicles. The EFV Repairman completes basic shop administrative forms and records. At the Gunnery Sergeant to Corporal level, the EFV repairman supervises and mentors junior Marines and performs various duties incident to inspection, troubleshooting, maintenance and repair of the EFV as well as maintenance management and recovery according to grade.

b. Requirements/Prerequisites

(1) Must have a MM score of 105 or higher.

(2) Must qualify as a CWS II swimmer.

(3) Complete the Assault Amphibian Basic Repairman Course (13 weeks), Camp Pendleton, CA.

(4) Complete the AAAV Intermediate Repairman Course after promotion to Corporal and have a minimum of 24 months obligated service remaining upon completion of the course.

(5) Marines completing “B” billets (i.e., Drill Instructor, Recruiting Duty should reattend the intermediate course prior to FMF assignment.

c. Duties. For a complete listing of duties and tasks, refer to the EFV Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Amphibian Crewman.

e. Related Military Skill. Engineer Equipment Repairman, 1341.

9. MOS 2149, Ordnance Vehicle Maintenance Chief (MGySgt and MSgt)

a. Summary. Ordnance vehicle maintenance chiefs supervise the maintenance, repair, and inspection of ordnance vehicles to include their turrets and direct the activities of assigned enlisted personnel in an ordnance vehicle repair shop or facility. Senior ordnance vehicle maintenance chiefs supervise and manage the administration of ordnance vehicle maintenance facilities and ordnance vehicle offices. The senior ordnance vehicle maintenance chief is proficient in the organization, management, operation and conduct of technical inspections of ordnance vehicles, ordnance vehicle maintenance equipment, and ordnance vehicle shops or facilities. The senior ordnance vehicle maintenance chief assists the ordnance vehicle maintenance officer in all duties. They manage command environmental and hazardous waste programs. They supervise and provide oversight of disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

b. Requirements/Prerequisites

(1) Complete one of the Ordnance Vehicle Intermediate Technician Courses; LAV, AAV, or Tank System Technician Course.

(2) Complete the Ground Ordnance Maintenance Chief Course.

(3) Possesses a comprehensive understanding of maintenance procedures for ordnance vehicles, repair shop management and operations, and maintenance and supply procedures.

(4) Possesses comprehensive knowledge of environmental and hazardous waste programs, disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Supervisor, Endless Track Vehicle 620.131-010.

(2) Ordnance Artificer 632.261-018.

e. Related Military Skill. Senior Ground Ordnance Weapons Chief, 2181.

10. MOS 2161, Machinist (GySgt to Pvt)

a. Summary. Machinists perform various duties incident to fabrication, repair or modification of engineer, motor transport, weapons, and accessories. Duties include selection of proper stock and set up of work on lathes, shapes, milling machines, internal and external grinders, drill presses, saws and cylinder, or line-boring machines. Machinists work from sketches, diagrams, blueprints, written specifications, or oral instructions. The control of quality and accuracy is met by the machinists' use of precision measuring devices to include micrometers, vernier gauges, and various other gauges and the subsequent adjustment of machine tool controls. Fabrication of metals is also followed by welding with all standard welding equipment. Maintenance of all shop equipment is performed to ensure that serviceability is sustained. Coordination with other repair shops, reporting of work completion, and the shop administrative functions are requirements to be effected by machinists.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Complete the Machinist Course, U.S. Army Ordnance School, Aberdeen Proving Ground, MD.

(3) Complete Ground Ordnance Intermediate Level Supervisors Course (CID A01GBC1) by Sergeant through Staff Sergeant with 24 months remaining on active duty upon completion of the course. In the case of lateral move, must have served a minimum of one year in MOS 2161. Prerequisites for USMCR include serving in an active reserve billet in MOS 2161.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Machine Set-Up Operator 600.380-018.

(2) Machinist 600.280-022.

11. MOS 2171, Electro-Optical Ordnance Repairer (GySgt to Pvt)

a. Summary. The electro-optical ordnance repairer performs electro-optical maintenance and repair to ground ordnance laser and night vision devices, small missiles systems, and other fire control equipment. Duties also include performing mechanical, mechanical-optical and electrical repairs to include inspecting, troubleshooting and adjusting fire control instruments and systems. The electro-optical ordnance repairer, grades Private through Corporal, also completes basic shop administrative forms and records using technical publications. At the grades of Sergeant and above, the electro-optical ordnance repairer trains, supervises, and performs various duties and tasks incident to the management of an electro-optical ordnance repair shop or facility.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must possess an EL score of 115 or higher.

(4) Must have normal color vision.

(5) Complete the Electro-Optical Ordnance Repairer Course, U.S. Army Ordnance Center and School, Aberdeen Proving Ground, MD.

(6) Complete Ground Ordnance Intermediate Level Supervisors Course (CID A01GBC1) by Sergeant through Staff Sergeant with 24 months remaining on active duty upon completion of course. In the case of lateral move, must have served a minimum of one year in MOS 2171. Prerequisites for USMCR include serving in an active Reserve billet in MOS 2171.

(7) ENTNAC or NAC completed with favorable results.

(8) Must be a U.S. citizen.

(9) Must be eligible for a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Instrument Mechanic, Weapons System 711.281-014.

(2) Electro-Optical Instrument 711-281-010.

(3) Artillery-Maintenance Supervisor 632.131-010.

e. Related Military Skill. Electronic Maintenance Repair, 2886.

12. MOS 2181, Senior Ground Ordnance Weapons Chief (MGySgt and MSgt)

a. Summary. Senior ground ordnance weapons chief supervise the maintenance, repair, and inspection of all small arms weapons and towed artillery howitzers and direct the activities of assigned enlisted personnel in a small arms or towed artillery repair shop or facility. They supervise and manage the administration of small arms or towed artillery maintenance facilities and offices. The senior ground ordnance weapons chief is proficient in the organization, management, operation and conduct of technical inspections of small arms weapons, and towed artillery howitzers, all equipment, and maintenance shops or facilities for maintaining small arms or towed artillery howitzers. The senior ground ordnance weapons chief assists the weapons repair officer in all duties and tasks. They manage command environmental and hazardous waste programs. They supervise and provide oversight of disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

b. Requirements/Prerequisites

(1) Complete the Ground Ordnance Maintenance Chief’s Course.

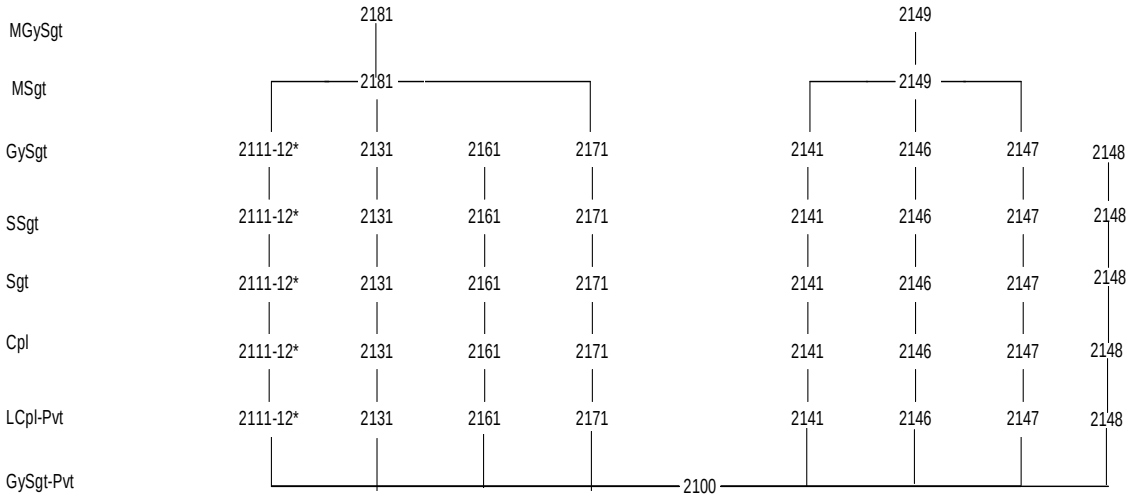
(2) Possesses a comprehensive understanding of maintenance procedures for small arms weapons, and towed artillery howitzers, repair shop management and operations, maintenance and supply procedures.

(3) Possesses a comprehensive knowledge of environmental and hazardous waste programs, disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code. Artillery-Maintenance Supervisor 632.131-010.

e. Related Military Skill. Ordnance Vehicle Maintenance Chief, 2149.



* Identifies Skill Designator MOS only.

MOS	TITLE
2100	Basic Ground Ordnance Maintenance Marine
2111	Small Arms Repairer/Technician
*2112	Rifle Team Equipment Repairer
2131	Towed Artillery Systems Technician
2141	Assault Amphibious Vehicle (AAV) Repairer/Technician
2146	Main Battle Tank (MBT) Repairer/Technician
2147	Light Armored Vehicle (LAV) Repairer/Technician
2148	Expeditionary Fighting Vehicle (EFV) Repairer/Technician
2149	Ordnance Vehicle Maintenance Chief
2161	Machinist
2171	Electro-Optical Ordnance Repairer
2181	Ground Ordnance Weapons Chief

FIGURE 3-11.—Ground Ordnance Maintenance Career Structure Chart

MOS 2111 and 2112, Small Arms Repairer/Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Ground Ordnance Maintenance Chiefs Course	2181
MSgt		Ground Ordnance Maintenance Chiefs Course	2181
GySgt		Ground Ordnance Maintenance Chiefs Course SNCO Advanced Course	**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCLB/MCRD/MCCDC/ MCB/I&I Staff
SSgt	Ground Ordnance Intermediate Level Supervisors Course	SNCO Career Course	**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCLB/MCRD/MCCDC/ MCB/I&I Staff/MB
Sgt		Ground Ordnance Intermediate Level Supervisors Course	**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCB/MCRD/MCCDC/ MCLB/I&I Staff/MB
Cpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCB/MCRD/MCCDC/ MCLB/I&I Staff/MB
Pvt/LCpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCCDC/MCB

MOS 2131, Towed Artillery Systems Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Ground Ordnance Maintenance Chiefs Course	2181
MSgt		Ground Ordnance Maintenance Chiefs Course	2181

FIGURE 3-11.--Ground Ordnance Maintenance Career Structure Chart

GySgt		Ground Ordnance Maintenance Chiefs Course SNCO Advanced Course	**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCLB/MCRD/MCCDC/ MCB/I&I Staff
SSgt	Ground Ordnance Intermediate Level Supervisors Course		**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCLB/MCRD/MCCDC/ MCB/I&I Staff/MB
Sgt		Ground Ordnance Intermediate Level Supervisors Course	**FMF Duty:** Div HQ/FSSG/MAW **Non FMF Duty:** MCB//MCRD/MCCDC/ MCLB/I&I Staff/MB
Cpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCB/MCRD/MCCDC/ MCLB/I&I Staff/MB
Pvt/LCpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCB/MCRD/MCCDC

MOS 2141, Assault Amphibious Vehicle Repairer/Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Ground Ordnance Maintenance Chiefs Course	2149
MSgt		Ground Ordnance Maintenance Chiefs Course	2149
GySgt		Ground Ordnance Maintenance Chiefs Course	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/ I&I Staff/ MARCORSYSCOM/MCB

FIGURE 3-11.—Ground Ordnance Maintenance Career Structure Chart

SSgt		AAV IMA (MOS 2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/MCB/I&I Staff/MARCORSYSCOM
Sgt		AAV IMA (MOS 2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/MCB/
Cpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/MCB/
Pvt/LCpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/MCB/MARCORSYSCOM

MOS 2146, Main Battle Tank (MBT) Repairer/Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Ground Ordnance Maintenance Chiefs Course	2149
MSgt		Ground Ordnance Maintenance Chiefs Course	2149
GySgt		Ground Ordnance Maintenance Chiefs Course	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/I&I Staff/Instr-Jt Scol
SSgt		AAV IMA (2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/I&I Staff/Instr-Jt Scol

FIGURE 3-11.--Ground Ordnance Maintenance Career Structure Chart

Sgt		AAV IMA (2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/ I&I Staff/ Instr-Jt Scol
Cpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/ I&I Staff/ Instr-Jt Scol
Pvt/LCpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCCDC

MOS 2147, Light Armored Vehicle (LAV) Repairer/Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Ground Ordnance Maintenance Chiefs Course	2149
MSgt		Ground Ordnance Maintenance Chiefs Course	2149
GySgt		Ground Ordnance Maintenance Chiefs Course	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/I&I Staff/ Instr-Jt Scol/MCB
SSgt		AAV IMA (MOS 2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/I&I Staff/ Instr-Jt Scol/MCB
Sgt		AAV IMA (MOS 2141) Tank Technician (MOS 2146) LAV Technician (MOS 2147)	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/I&I Staff/ Instr-Jt Scol/MCB

FIGURE 3-11.—Ground Ordnance Maintenance Career Structure Chart

Cpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/I&I Staff/ Instr-Jt Scol/MCB
Pvt/LCpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCCDC/MCB

MOS 2148, Expeditionary Fighting Vehicle (EFV) Repairer/Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt		Ground Ordnance Maintenance Chiefs Course	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/ I&I Staff/ MARCORSYSCOM/MCB
SSgt		AAV IMA (MOS 2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/ MCB/I&I Staff/ MARCORSYSCOM
Sgt		AAV IMA (MOS 2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/MCB/
Cpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/MCB/
Pvt/LCpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/MCB/ MARCORSYSCOM

FIGURE 3-11.--Ground Ordnance Maintenance Career Structure Chart

MOS 2149, Ordnance Vehicle Maintenance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Ground Ordnance Maintenance Chiefs Course	**FMF Duty:** Div HQ/FSSG/ MARFOR HQ **Non-FMF Duty:** MARCORSYSCOM/PM/ AAV/MCLB
MSgt		Ground Ordnance Maintenance Chiefs Course	**FMF Duty:** FSSG/Div HQ **Non-FMF Duty:** MCLB/MCCDC/FSMAO/ MARCORSYSCOM/PM/ AAV/Instr-Jr Instr-Jt Scol/ MCB/I&I Staff

MOS 2161, Machinist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Ground Ordnance Maintenance Chiefs Course	2181
MSgt		Ground Ordnance Maintenance Chiefs Course	2181
GySgt		Ground Ordnance Maintenance Chiefs SNCO Advanced Course	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/I&I Staff/ MARCORSYSCOM/ Instr-Jt Scol
SSgt	Ground Ordnance Intermediate Level Supervisors Course	SNCO Career Course	**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCLB/MCCDC/MCB/ I&I Staff/Instr-Jt Scol

FIGURE 3-11.—Ground Ordnance Maintenance Career Structure Chart

Sgt		Ground Ordnance Intermediate Supervisors Course	**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCLB/MCCDC/MCB/ I&I Staff/ MARCORSYSCOM
Cpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG/MAW **Non-FMF Duty:** MCLB/MCCDC/MCB/ I&I Staff/ MARCORSYSCOM
Pvt-LCpl	Basic MOS Course		**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB

MOS 2171, Electro-Optical Ordnance Repairer

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Ground Ordnance Maintenance Chiefs Course	2181
MSgt		Ground Ordnance Maintenance Chiefs Course	**FMF Duty:** FSSG **Non-FMF Duty:** MCLB/MCCDC
GySgt		Ground Ordnance Maintenance Chiefs Course SNCO Advanced Course	**FMF Duty:** FSSG **Non-FMF Duty:** MCLB/MCCDC/I&I Staff/ MCB/MB
SSgt	Ground Ordnance Level Supervisors Course	SNCO Career Course	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/I&I Staff
Sgt		Ground Ordnance Intermediate Level Supervisors Course	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCCDC/I&I Staff/MCB

FIGURE 3-11.--Ground Ordnance Maintenance Career Structure Chart

Cpl	Basic MOS Course	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCCDC/I&I Staff/MCB
Pvt-LCpl	Electro-Optical Repairer Course	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCCDC/MCB

MOS 2181, Ground Ordnance Weapons Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** Div HQ/FSSG/ MARFOR HQ **Non-FMF Duty:** MCCDC/MCLB/MCB
MSgt	Weapons Chiefs Course		**FMF Duty:** None **Non-FMF Duty:** MCLB/MCCDC/ Instr-Jt Scol/ MCB/I&I Staff MCRD

FIGURE 3-11.—Ground Ordnance Maintenance Career Structure Chart

3117. **OCCUPATIONAL FIELD 23, AMMUNITION AND EXPLOSIVE ORDNANCE DISPOSAL**

1. Introduction. The ammunition and explosive ordnance disposal OccFld includes planning, operations, and management related to a very hazardous group of materiel. This MOS requires personnel who are mature, mentally sound, and have evidenced a willingness and capability to perform their assigned duties in a reliable manner. The duties require administrative, managerial, and hard technical skills. Typical duties of MOSs in this field are as follows: the ammunition technician handles, transports, and stores all type of ammunition, explosives, missiles, inspects materiel to determine serviceability and need for repair or destruction; the explosive ordnance disposal technician provides the commander with the capability to neutralize hazards associated with conventional explosive ordnance, weapons of mass destruction (WMD) and improvised explosive devices (IED); and conducts ordnance technical intelligence and dynamic explosive entry.

2. MOS 2311, Ammunition Technician (MGySgt to Pvt)

a. Summary. Ammunition technicians work in every facet of the ammunition field, including receipt, storage, issue, and handling of ammunition and toxic chemicals.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Enlisted Ammunition Specialist Course (A2123C1).

(3) Must possess a secret security clearance based on background investigation when knowledge or possession of secret information is required.

(4) Must have normal color vision.

(5) Must be a U.S. citizen.

(6) No convictions by court-martial, civilian courts, or nonjudicial punishment of any type involving larceny, theft, or trafficking any controlled substances.

(7) Marines who handle ammunition and explosives must meet the criteria to be qualified and certified in accordance with MCO 8023.3.

(8) Marines who are assigned MOS 2311 as their primary duties must be capable of meeting the command screening requirements of MCO 8020.10.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.78, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Magazine Keeper 222.367-038.

(2) Ordnance Artificer 632.261-018.

e. Related Military Skill. Aviation Ordnance Chief, 6591.

3. MOS 2336, Explosive Ordnance Disposal Technician (MGySgt to Sgt)

a. Summary. Explosive ordnance disposal (EOD) technicians perform various duties that include the location, excavation, recovery, rendering safe, neutralizing, disassembly, inerting, detonating, burning or final disposal of unsafe conventional unexploded explosive ordnance (chemical, nuclear, and biological ordnance) as well as weapons of mass destruction (WMD) and improvised explosive devices (IED) that pose a threat to operations, installations, personnel, or materiel.

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Complete the Explosive Ordnance Disposal Basic Course.

(3) Meet all requirements for assignment to a critical position within the Nuclear Weapons Personnel Reliability Program; refer to SECNAVINST 5510.35.

(4) Must be interviewed per MCO 3571.2.

(5) Be a volunteer in the grade of sergeant in any MOS with not more than two years time in grade (waiverable for Marines who are corporals and are reenlisting at the first term alignment point).

(6) Must have a final secret security clearance based on a background investigation.

(7) Must have normal color vision and no claustrophobic tendencies.

(8) Must be a U.S. citizen.

(9) In the performance of their duties, must be physically qualified for an Explosive Driver's License as well as Emergency Vehicles Operators License, as per NAVSEA SWO20-AF-ABK-010.

(10) Requirements for continued qualification and progression training are:

(a) Must attend the Explosive Ordnance Disposal Refresher Course (Sgt to MGySgt).

(b) Complete the Advanced Access and Disablement Course (Sgt to MGySgt).

(c) Complete the Radiological Emergency Team (RETOPS) Course (Cpl to MGySgt).

(d) Complete the Joint Nuclear Explosive Ordnance Disposal (JNEODC) Course (Sgt to MGySgt).

(e) Complete the Dynamic Entry Basic Course (Cpl to MGySgt).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.78, Individual Training Standard.

d. Related DOT Classification/DOT Code. Ordnance Artificer 632.261-018.

MGySgt	2311	2336
MSgt	2311	2336
GySgt	2311	2336
SSgt	2311	2336
Sgt	2311	2336#
Cpl	2311	
LCpl-Pvt	2311	
GySgt-Pvt	2300	

Input from qualified personnel from any OccFld (Cpl and Sgt only).

MOS	TITLE
2300	Basic Ammunition and Explosive Ordnance Disposal Marine
2311	Ammunition Technician
2336	Explosive Ordnance Disposal Technician

FIGURE 3-12.--Amunition and Explosive Ordnance Disposal Career Structure Chart

MOS 2311, Ammunition Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Officers Ammunition Managers Course (A21GPL1)	**FMF Duty:** Div HQ/FSSG/ AMMCCO/HQ MARFORLANT **Non-FMF Duty:** Redstone Arsenal
MSgt	Officers Ammunition Managers Course	Officers Ammunition Managers Course	**FMF Duty:** MEF/FSSG/ MARFORPAC **Non-FMF Duty:** Instructor/ Redstone Arsenal/Rock Island/HQMC
GySgt/ SSgt	Warfighting Skills	Explosive Hazard Control Motor Vehicle/ Railcar Shipment Regulations Ammunition Inspectors Course Technical Escort Course	**FMF Duty:** MEF/Div/MAW/ FSSG/ Regt/Bn/MEU **Non-FMF Duty:** Instructor/ Liaison
Sgt/ Cpl		Motor Vehicle/Railcar Inspection Course Enlisted Ammunition NCO Course (A21GPK1)	**FMF Duty:** MEF/Div HQ/ MAW/FSSG/MEU/ Regt/Bn/Co **Non-FMF Duty:** None
Pvt/ LCpl	Enlisted Ammunition Specialist Course		

FIGURE 3-12.--Amunition and Explosive Ordnance Disposal Career Structure Chart

MOS 2336, Explosive Ordnance Disposal Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt/ SSgt		Naval Explosives Safety Managers/Supervisors Orientation Hazardous Devices School or Canadian IED Course or British IED Course Basic and Advanced Explosive Investigative Techniques (EIT/AEIT) Course Silver Flag Technical Escort School Advanced Access and Disablement #Advanced Course Readiness Emergency Team Operations (RETOPS) Course Basic Breacher Course Joint Nuclear Explosive Ordnance Disposal Course (JNEODC) Weapons of Mass Destruction Installation Emergency Responder Training Course Dynamic Entry Advanced Course Dynamic Entry Basic Course	**FMF Duty:** MEF/FSSG/MAW **Non-FMF Duty:** NAVSCOLEOD/ EODTECHDIV/ MCB/MCAS
Sgt/Cpl	Explosive Ordnance Disposal Basic Course Dynamic Entry Basic Course (DEBC)	Basic Explosive Hazards Control Course Hazardous Devices School Silver Flag	**FMF Duty:** FSSG/MAW **Non-FMF Duty:** MCAS/MCB

Mandatory attendance every 5 years after formal school training.

FIGURE 3-12.--Amunition and Explosive Ordnance Disposal Career Structure Chart

3118. **OCCUPATIONAL FIELD 25, OPERATIONAL COMMUNICATIONS**

1. MOS 2542, Defense Message System (DMS) Specialist (Sgt to Pvt)*

a. Summary. THIS MOS WILL CONVERT TO OCCFLD 06 IN THE FUTURE. Defense message system specialists work in local and area control centers (LCCs/ACCs) in the supporting establishment, and in messaging sections in operating forces units. They configure and operate DMS components and systems in order to ensure proper routing and delivery of message traffic both within and outside of the Marine Corps. They configure and maintain user unit accounts, monitor message and data routing and troubleshoot problems, and provide end user assistance as needed. This MOS is awarded as a skill designator only to Marines holding PMOS 4066.

b. Requirements/Prerequisites

(1) Complete the Defense Message System Specialist Course at MCCES, 29 Palms.

(2) Must be a U.S. citizen.

(3) Must possess a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.37D, Individual Training Standards.

d. Related DOT Classification/DOT Code. Telegraphic Typewriter Operator 203.582-050.

e. Related Military Skill

(1) Small Computer Systems Specialist, 4066.

(2) Defense Message System (DMS) Chief, 2549.

2. MOS 2549, Defense Message System (DMS) Chief (MSgt to SSgt)*

a. Summary. THIS MOS WILL CONVERT TO OCCFLD 06 IN THE FUTURE. Defense message system (DMS) chiefs are qualified to supervise the installation, configuration, and operation of an LCC/ACC or tactical messaging center. These centers process and route all message traffic between individuals and units within the Marine Corps and Department of Defense, and are an integral part of the Marine Corps enterprise data network. Proper configuration and operation of these centers is critical to command and control throughout the Marine Corps; it is the role of DMS chiefs to ensure the smooth operation of the center. DMS chiefs arrange with the various staff sections for the proper prioritization and distribution of messages and data, and are often called on to advise staff members on appropriate message format, addressing, or classification. DMS chiefs should develop a systems approach toward communications, understanding radio and wire equipment capabilities and systems integration in addition to data networks. This MOS is awarded as a skill designator only to Marines holding PMOS 4066.

b. Requirements/Prerequisites

(1) Complete Defense Message System Course at Fleet Training Center, Norfolk, VA.

(2) Must be a U.S. citizen.

(3) Must possess a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.37D, Individual Training Standards.

d. Related DOT Classification/DOT Code. Supervisor, Telegraphic Typewriter Operator 203.132-010.

e. Related Military Skill

(1) Small Computer Systems Specialist, 4066.

(2) Defense Messaging Specialist, 2542.

(3) Operational Communication Chief, 0691.

3119. **OCCUPATIONAL FIELD 26, SIGNALS INTELLIGENCE/GROUND ELECTRONIC WARFARE**

1. Introduction. The Signals Intelligence/Ground Electronic Warfare OccFld includes the operation of Signals Intelligence (SIGINT) collection and communications equipment. Marines in this field conduct collection, analysis, production, and dissemination of collected data. In addition, the Marines manage communication equipment and facilities. Marines entering the SIGINT/EW field will be required to setup and operate communications and/or electronic equipment, prepare reports, conduct preventive maintenance on assigned equipment, and assist in the operations control and management of SIGINT/EW equipment/facilities. Entry-level jobs include Communications Intelligence Intercept Operator, ELINT Intercept Operator, Special Intelligence Communicator, or Voice Intercept Operator. Marines can also enter the SIGINT field at the grade of corporal or sergeant. Duty assignments are made to Naval Security Group field stations; the operating forces Radio Marine Battalions, Intelligence Battalions, the Air Wing VMAQs, and the staff sections of the Marine divisions and wings. All personnel are expected to become familiar with Information Operation/Information Warfare operations, support to intelligence computerized networks, and marine tactical SIGINT/EW operations to include: electronic attack (EA), electronic protect (EP), electronic support (ES), and radio direction-finding functions. These skills may be obtained through formal training and should be acquired prior to obtaining the grade of gunnery sergeant.

2. MOS 2611, Cryptologic Digital Network Technician/Analyst (MGySgt to Cpl)*

a. Summary. Cryptologic digital network technician/analyst require formal Digital Network Analysis and Reporting training. They are involved in all facets of planning and conducting digital network collection and analysis. Operators must perform digital signals search mission; measure, evaluate and classify digital network signals; and provide traditional signals intelligence (SIGINT) support as deemed necessary by the unit commander. Operators must be familiar with computer hardware and software programs to include network operating systems. The duties and tasks for MOS 2611 increase at the rank of staff sergeant and above to encompass digital network analysis product reporting, information operations planning support, and supervisory tasks and functions. This MOS will be assigned as a skill designator MOS only to Marines in the 2600 OccFld.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Basic Digital Network Analysis Course, Network Exploitation and Mapping Course, the Marine Corps Cryptologic Computer Administration program (MCCCAP), or complete the Marine Corps Digital Network Operations Program (MCDNOP).

(3) Must be a U. S. citizen.

(4) Must possess a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

(5) This MOS will be assigned and voided only by the authority of the CMC (MM).

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.41, Signal Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill

(1) Communications Signals Collection Operator/Analyst, 2621.

(2) Special Intelligence Systems Administrator/Communicator, 2651.

(3) Signals Intelligence Analyst, 2629.

(4) Cryptologic Linguist, 267X.

3. MOS 2621, Special Communications Signals Collection Operator/Analyst (GySgt to Pvt)

a. Summary. Special communications signals collection operators/analysts exploit every phase of communications to include the intercept and analysis of electronic communications signals along with digital network systems. Additional skills include planning, coordinating and determining logistical requirements for setting up operational antenna fields; and the installation, operation, and preventive maintenance of associated equipment/facilities. Operators must perform communications electronic signals search missions, record the intercept of signals using electronic means, measure, classify, and evaluate the signals. Operators must be familiar with communications intercept receivers, specialized computer hardware and software programs, and wideband converters in the process of collecting, recording, analyzing, support computerized network operations missions, and reporting on a wide variety of intercepted communications signals. Secondary duties and tasks involve aspects of transmission security (TRANSEC), communications security (COMSEC), and direction-finding (DF) operations. Additionally, Marines assigned MOS 2621 will receive training in such MOS related requirements as power supply operations, equipment prime mover operations, and vehicle maintenance procedures. Prior to, or in conjunction with being promoted to sergeant, Marines will receive formal schooling in signals/traffic analysis and reporting procedures. The duties and task for MOS 2621 increase at the rank of sergeant and above to encompass communications intelligence analysis and product reporting along with national level supervisors who are in preparation for management positions. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Communications Signals Collection and Processing Course.

(3) Must possess the required Radio Code Aptitude Test minimum score of 110.

(4) Must be eligible for a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

(6) No hearing defects.

(7) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.38, Signals Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Radio Intelligence Operator 193.362-014.

(2) Electronic Intelligence Operations Specialist 193.382-010.

e. Related Military Skill. Electronic Intelligence (ELINT) Intercept Operator/Analyst, 2631.

4. MOS 2629, Signals Intelligence Analyst (MGySgt to Cpl)*

a. Summary. This MOS is a skill designator MOS which requires formal analysis and reporting training. Signals intelligence analysts' duties encompass all facets of signals analysis and supervision of selected collection and EW/COMSEC operations. In this function, the analysts develop and maintain records on technical aspects of target communications, develop and maintain communications order of battle files, situation maps, and other related COMINT files. Analysts prepare and issue reports to include intelligence reports, technical reports, and summaries. Analyst may be required to perform Signals Intelligence briefings. Prior to advancement to master sergeant (2691), opportunities are provided for analyst to attend a national level supervisory course in preparation for management/leadership assignments. This MOS will be assigned as a skill designator MOS only to persons holding primary MOSs 2621, 2631, and 267X. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Fleet Analysis and Reporting Course.

(3) Must possess a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.38, Signals Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Radio-Intelligence Operator 193.362-014.

(2) Electronic Intelligence Operations Specialist 193.382-010.

e. Related Military Skill. Electronic Intelligence (ELINT) Intercept Operator/Analyst, 2631.

5. MOS 2631, Electronic Intelligence (ELINT) Intercept Operator/Analyst (GySgt to Pvt)

a. Summary. ELINT intercept operators/analysts duties encompass all facets of ELINT transmissions intercept and analysis including installation, operation, and preventive maintenance of associated equipments. Operators must perform electronic signals search missions, record the intercept of signals using electronic means, and measure, classify, and evaluate the signal. Operators perform signals analysis, prepare electronic order of battle appraisals, and map overlays as required. They may also operate the Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES), to include systems setup, operations reporting, computer processing of tape recordings, issuing necessary EW reports, assisting in air crew training/ briefings, and performing routine preventive maintenance as required. Operators are

trained in the use of the Tactical Receive Equipment (TRE) and the Joint Tactical Terminal (JTT). Prior to advancement to master sergeant (MOS 2691), opportunities are provided for ELINT operators/analysts to attend a national level supervisory course in preparation for management/leadership assignments. This MOS will be assigned and voided only by authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Cryptologic Technician Technical A (ELINT) Course.

(3) Must be eligible for a top-secret security clearance with SCI access based on a Single Scope Background Investigation (SSBI).

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.38, Signals Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Radio-Intelligence Operator 193.362-014.

(2) Electronic Intelligence Operations Specialist 193.382-010.

e. Related Military Skill. Communications Intelligence Intercept Operator/Analyst, 2621.

6. MOS 2643, Cryptologic Linguist (MGySgt to Cpl)*

a. Summary. This MOS is a skill designator MOS which requires formal training. Cryptologic linguist duties encompass the monitoring, collection, transcription, and translation of intercepted target communications. Following basic qualification as a linguist, Marines attend a specialized course of instruction and upon completion are assigned the appropriate MOS. Additional linguistic duties include installation and operation of receiving, recording, and associated power equipment; cryptologic linguist search for, monitor, record, translate, and report designated foreign voice transmissions. Linguists also maintain records concerning operational and technical characteristics of targeted communications. Finally linguistic analysts develop and maintain working aids as required and supervise or assist in the installation and operation of applicable signals collection and analysis facilities. This MOS is assigned only as a skill designator MOS to identify those Marines trained in designated low-density foreign languages. This MOS will be assigned and voided only by authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Possess required Defense Language Aptitude Battery score.

(3) Complete the required courses of instruction from the Defense Language Institute and Voice Process Specialist Course or demonstrate an equivalent capability (as required).

(4) Must possess a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

(5) Corporal must hold primary MOSs 2621, 2631, 2651, or 267X. (The grade may be waived.)

(6) No speech or hearing defects.

(7) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.38, Signal Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Translator 137.267-018.

e. Related Military Skill. Cryptologic Linguist, 267X.

7. MOS 2649, Cryptanalyst (MGySgt to Cpl)*

a. Summary. Cryptanalysts analyze, identify, decrypt, solve, or assist in the recovery and solution of cryptographic systems. Cryptanalysts also categorize encrypted messages, identify characteristics of individual systems, and then prepare reports, and record information of technical importance. To assist in these tasks, cryptanalysts maintain analytic aids and files of reconstructed elements of cryptosystems, and coordinate activities with analysis, machine processing, and linguistic personnel. Finally, cryptanalysts supervise or assist in the installation and operation of applicable signal collection and analysis facilities. This is a skill designator only assigned to MOSs 2621, 2631, and 267X Marines trained as cryptanalysts. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Complete the Fundamental Military Cryptanalysis Course.

(3) Must possess a top-secret clearance based on a Single Scope Background Investigation (SSBI).

(4) Must be a U.S. Citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.38, Signals Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Cryptanalyst 199.267-014.

e. Related Military Skill. Signals Intelligence Analyst, 2629.

8. MOS 2651, Special Intelligence System Administrator/Communicator (MGySgt to Pvt)

a. Summary. Special intelligence communicators' duties encompass all aspects of special intelligence communications including the utilization of equipment. Special Intelligence communicators duties include support to: special compartment intelligence computerized network transmissions, network administration, cryptologic security, computer network defense, computer network exploitation, conducting preventive maintenance of assigned area network equipment and circuit connectivity,

the transmission and receiving of special intelligence via the Defense Special Security Communications (DSSCS), and the Defense Messaging System (DMS). Communicators also maintain files, log special intelligence communications related publications and perform other operational and administrative tasks. Additionally, Marines assigned this MOS will receive training in MOS related requirements including unit unique computer security systems, the operation of power supply, equipment prime mover (truck), and operator vehicle maintenance procedures. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Cryptologic Technician "O", Class A Course.

(3) Eligible for a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.38, Signals Intelligence Training and Readiness Manual.

d. Requirements/Prerequisites. No civilian equivalent.

e. Related Military Skill. Small Computer Systems Specialist, 0651.

9. MOS 2671, Middle East Cryptologic Linguist (GySgt to Pvt)

a. Summary. Cryptologic linguists monitor, transcribe, and translate intercepted target communications; perform analysis and exploitation of designated foreign radio communications; and install, operate, and perform preventive maintenance of radio intercept equipment. Following basic qualification as a linguist (MOS 2711-2727), Marines attend a specialized course of instruction and upon completion are assigned the appropriate MOS. Secondary duties and tasks include aspects of EW/COMSEC and direction-finding operations. In addition, Marines assigned MOS 2671 receive MOJT in such MOS-related requirements as power supply operation, equipment prime mover (truck) operation, and vehicle maintenance procedures. Intermediate and advanced language training is available. Prior to, or in conjunction with being promoted to staff sergeant, Marines will receive Traffic Analyses training (formal school or MOJT). Prior to advancement to master sergeant (2691), opportunities are provided for linguists to attend a national level supervisory course in preparation for management/leadership assignments. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) A Defense Language Aptitude Battery minimum score for the MOS 2671 is required as follows: DLAB 100 or higher.

(3) Complete the requirements for assignment of an MOS 2711-2727 and the Voice Process Specialist Course.

(4) Must be eligible for a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

(5) Must be a graduate of the prescribed cryptologic technical course and maintain a minimum proficiency of L2/R2 on the Defense Language Proficiency Test (DLPT), in accordance with MCO 7220.52.

(6) No speech or hearing defects.

(7) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.50, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Interpreter 137.267-010.

(2) Radio-Intelligence Operator 193.362-014.

e. Related Military Skill

(1) Signals Intelligence Analyst, 2629.

(2) Cryptologic Translator, 2643.

(3) Cryptanalyst, 2649.

10. MOS 2673, Asia-Pacific Cryptologic Linguist (GySgt to Pvt)

a. Summary. Cryptologic linguists monitor, transcribe, and translate intercepted target communications; perform analysis and exploitation of designated foreign radio communications; and install, operate, and perform preventive maintenance of radio intercept equipment. Following basic qualification as a linguist (2733-2747), Marines attend a specialized course of instruction and upon completion are assigned the appropriate MOS. Secondary duties and tasks include aspects of EW/COMSEC and direction-finding operations. In addition, Marines assigned MOS 2673 receive MOJT in such MOS-related requirements as power supply operation, equipment prime mover (truck) operation, and vehicle maintenance procedures. Intermediate and advanced language training is available. Prior to, or in conjunction with being promoted to staff sergeant, Marines will receive Traffic Analyses training (formal school or MOJT). Prior to advancement to master sergeant (2691), opportunities are provided for linguists to attend a national level supervisory course in preparation for management/leadership assignments. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) A Defense Language Aptitude Battery minimum score for the MOS 2673 is required as follows: DLAB 100 or higher.

(3) Complete the requirements for assignment of an MOS 2733-2747 and the Voice Process Specialist Course.

(4) Must be a graduate of the prescribed cryptologic technical course and maintain a minimum proficiency of L2/R2 on the Defense Language Proficiency Test (DLPT), in accordance with MCO 7220.52.

(5) Must be eligible for a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

(6) Must have no speech or hearing defects.

(7) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.50, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Interpreter 137.267-010.

(2) Radio-Intelligence Operator 193.362-014.

e. Related Military Skill

(1) Signals Intelligence Analyst, 2629.

(2) Cryptologic Translator, 2643.

(3) Cryptanalyst, 2649.

11. MOS 2674, European I (West) Cryptologic Linguist (GySgt to Pvt)

a. Summary. Cryptologic linguists monitor, transcribe, and translate intercepted target communications; perform analysis and exploitation of designated foreign radio communications; and install, operate, and perform preventive maintenance of radio intercept equipment. Following basic qualification as a linguist (MOS 2754-2769), Marines attend a specialized course of instruction and upon completion are assigned the appropriate MOS. Secondary duties and tasks include aspects of EW/COMSEC and direction-finding operations. In addition, Marines assigned MOS 2674 receive MOJT in such MOS-related requirements as power supply operation, equipment prime mover (truck) operation, and vehicle maintenance procedures. Intermediate and advanced language training is available. Prior to, or in conjunction with being promoted to staff sergeant, Marines will receive Traffic Analyses training (formal school or MOJT). Prior to advancement to master sergeant (2691), opportunities are provided for linguists to attend a national level supervisory course in preparation for management/leadership assignments. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) A Defense Language Aptitude Battery minimum score for the MOS 2674 is required as follows: DLAB 85 or higher.

(3) Complete the requirements for assignment of an MOS 2754-2769 and the Voice Process Specialist Course.

(4) Must be a graduate of the prescribed cryptologic technical course and maintain a minimum proficiency of L2/R2 on the Defense Language Proficiency Test (DLPT), in accordance with MCO 7220.52.

(5) Must be eligible for a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

(6) Must have no speech or hearing defects.

(7) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.50, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Interpreter 137.267-010.

(2) Radio-Intelligence Operator 193.362-014.

e. Related Military Skill

(1) Signals Intelligence Analyst, 2629.

(2) Cryptologic Translator, 2643.

(3) Cryptanalyst, 2649.

12. MOS 2676, European II (East) Cryptologic Linguist (GySgt to Pvt)#

a. Summary. Cryptologic linguists monitor, transcribe, and translate intercepted target communications; perform analysis and exploitation of designated foreign radio communications; and install, operate, and perform preventive maintenance of radio intercept equipment. Following basic qualification as a linguist (2776-2794), Marines attend a specialized course of instruction and upon completion are assigned the appropriate MOS. Secondary duties and tasks include aspects of EW/COMSEC and direction-finding operations. In addition, Marines assigned MOS 2676 receive MOJT in such MOS-related requirements as power supply operation, equipment prime mover (truck) operation, and vehicle maintenance procedures. Intermediate and advanced language training is available. Prior to, or in conjunction with being promoted to staff sergeant, Marines will receive Traffic Analyses training (formal school or MOJT). Prior to advancement to master sergeant (2691), opportunities are provided for linguists to attend a national level supervisory course in preparation for management/leadership assignments. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) A Defense Language Aptitude Battery minimum score for the MOS 2676 is required as follows: DLAB 95 or higher.

(3) Complete the requirements for assignment of an MOS 2776-2794 and the Voice Process Specialist Course.

(4) Must be eligible for a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

(5) Must be a graduate of the prescribed cryptologic technical course and maintain a minimum proficiency of L2/R2 on the Defense Language Proficiency Test (DLPT), in accordance with MCO 7220.52.

(6) No speech or hearing defects.

(7) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.59, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Interpreter 137.267-010.

(2) Radio-Intelligence Operator 193.362-014.

e. Related Military Skill

(1) Signals Intelligence Analyst, 2629.

(2) Cryptologic Translator, 2643.

(3) Cryptanalyst, 2649.

This MOS was changed from MOS 2675 to MOS 2676.

13. MOS 2691, Signals Intelligence/Electronic Warfare Chief (MGySgt and MSgt)

a. Summary. Duties of the SIGINT/EW chiefs encompass management and supervision of collection management, the management/deployment of collection assets, and planning for operations/exercises. SIGINT/EW chiefs also supervise the activities of personnel engaged in performing communications intercept, electronic reconnaissance, radio direction finding, analysis and reporting functions, COMSEC, and other EW roles. They may also be assigned to the intelligence staff of a Marine Air-Ground Task Force, division, or aircraft wing supervising special security and special intelligence support functions. Additionally, they serve in staff billets as operational advisors designated by the commander or cognizant staff officer. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Must be eligible for a top-secret security clearance based on a Single Scope Background Investigation (SSBI).

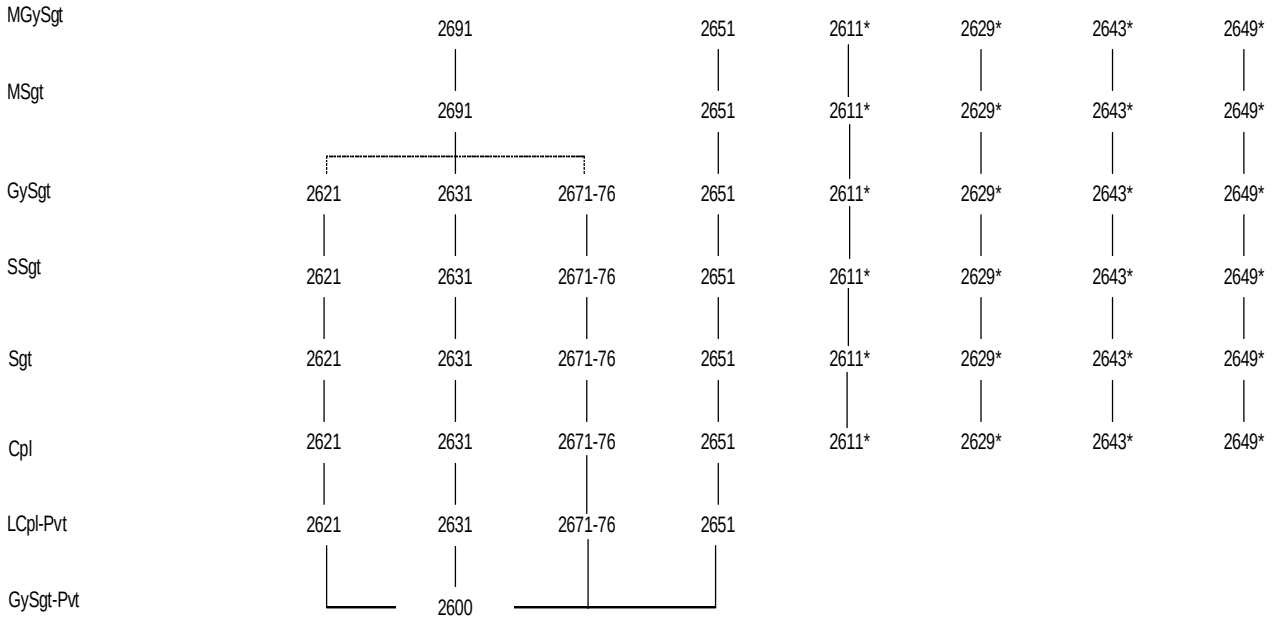
(3) Must hold either MOS 2621, 2631, or 267X, and is familiar with all other SIGINT collection and analysis fields.

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.38, Signals Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Special Intelligence Communicator, 2651.



* Identifies skill designator MOSs.

MOS	TITLE
2600	Basic Signals Intelligence/Ground Electronic Warfare Operator
2611	Cryptologic Digital Network Technician/Analyst
2621	Special Communications Signals Collection Operator/Analyst
*2629	Signals Intelligence Analyst
2631	Electronic Intelligence Intercept Operator/Analyst
*2643	Cryptologic Linguist
*2649	Cryptanalyst
2651	Special Intelligence System Administrator/Communicator
2671	Middle East Cryptologic Linguist
2673	Asia-Pacific Cryptologic Linguist
2674	European I (West) Cryptologic Linguist
2676	European II (East) Cryptologic Linguist
2691	Signals Intelligence/Electronic Warfare Chief

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

MOS 2611, Cryptologic Digital Network Technician/Analyst

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691/2651		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn
MSgt	2691/2651		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn
GySgt/SSgt	Basic Digital Analyst (BDNA) Course Marine Corps Cryptologic Computer Administration Program (MCCCAP) Marine Corps Digital Network Operations Program (MCDNOP) Network Exploitation And Mapping (NEM	Telecommunications Tech Overview II Networking Foundations II Internet Routing Protocols II TCP/IP Concepts and Architecture II TCP/IP Protocols II	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn
Sgt/Cpl	Basic Digital Analyst (BDNA) Course Marine Corps Cryptologic Computer Administration Program (MCCCAP) Marine Corps Digital Network Operations Program (MCDNOP) Network Exploitation and Mapping (NEM	Telecommunications Tech Overview II Networking Foundations II Internet Routing Protocols II TCP/IP Concepts and Architecture II TCP/IP Protocols II	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

MOS 2621, Special Communications Signals Collection Operator/Analyst

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn
MSgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn
GySgt	Advanced Communi-Cations Signals Analysis Course 452)	Intermediate Communications Signal Analysis Course (451) Analysis and Reporting Course Intermediate Analysis And Reporting Course Command and Control Tactical Analysis (C2TA) Course Senior Military Cryptologic Supervisors Course (CROR-3200) Undergraduate Intelligence Program (UGIP) Basic Digital Network Analysis (BDNA) Course	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn
SSgt	Intermediate Communications Signals Analysis Course (451)	Advanced Communications Signals Analysis Course (452) Analysis and Reporting Course Intermediate Analysis and Reporting Course Command and Control Tactical Analysis (C2TA) Course Senior Military Cryptologic Supervisors Course (CROR-3200)	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

		Undergraduate Intelligence Program (UGIP) Basic Digital Network Analysis (BDNA) Course	
Sgt	Intermediate Communications Signal Analysis Course (451)	Analysis and Reporting Course	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn
Cpl	Basic Signals Analysis Course (450)	Defense Language Institute or Equivalent Analysis and Reporting Course Morse Code Intercept Operator Course Combat Direction Finding Course	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn
LCpl-Pvt	Basic Signals Analysis Course (C450)	EW/SIGINT	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn

MOS 2629, Signal Intelligence Analyst

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
MSgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

GySgt/SSgt	Intermediate Analysis and Reporting Course	Intermediate Traffic Analysis and Technical Reporting Course (TA-200) or Equivalent Collection Management Course (TM-210) Command and Control Tactical Analysis (C2TA) Course Intermediate Analysis and Reporting Course	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
Sgt	Analysis and Reporting Course	Intermediate Analysis and Reporting Course	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
Cpl	Analysis and Reporting Course (Entry Level for Skill Designator)		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

MOS 2631, Electronic Intelligence Intercept Operator/Analyst

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn
MSgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Cryptologic Support Bn
GySgt	Intermediate ELINT Collection and Analysis Course (SIGE-3810) Advanced ELINT Collection and Analysis Course (SIGE-4810)	Communications Signals Measurement and Analysis Techniques Course (EA-200) Command and Control Tactical Analysis (C2TA) Course National OpELINT Course	**FMF Duty:** Radio Bn/VMAQ **Non-FMF Duty:** Marine Cryptologic Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

		TERPES System Administration Course TERPES Application Management Course Undergraduate Intelligence Program (UGIP)	
SSgt	Immediate ELINT Collection and Analysis Course (SIGE-3810)	Advanced ELINT Collection and Analysis Course (SIGE-4810) Command and Control Tactical Analysis (C2TA) Course Communications Signals Measurement and Analysis Techniques Course (EA-200) Basic SIGINT Technology Course (EA-100) Introduction to ELINT Analysis and Reporting Course (IS-070) TERPES Analyst/Operator Course TERPES System Administration Course National OpELINT Course TERPES Application Management Course Undergraduate Intelligence Program (UGIP)	**FMF Duty**: Radio Bn **Non-FMF Duty**: Marine Support Bn
Sgt		Intermediaate ELINT Collection and Analysis (SIGE-3810) Advanced ELINT Collection and Analysis Course (SIGE-4810) Introduction to ELINT Analysis and Reporting Course (IS-070) TERPES Analyst/Operator Course	**FMF Duty**: Radio Bn **Non-FMF Duty**: Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

		National OpELINT Course TERPES System Administration Course TERPES Application Management Course	
Cpl		Intermediate ELINT Collection and Analysis Course (SIGE-3810) Fundamentals of TechELINT (SIGE-2810) TERPES Analyst/Operator Course National OpElINT Course TERPES System Administration Course TERPES Application Management Course	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
LCpl-Pvt	Entry Level ELINT	TERPES System Administration Course TERPES Application Management Course	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

MOS 2643, Cryptologic Linguist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
MSgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

GySgt/SSgt			**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
Sgt/Cpl	Defense Language Institute Basic Language Course or Equivalent (Entry Level for Skill Designator MOS)	Refresher Language Training	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

MOS 2649, Cryptanalyst

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
MSgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
GySgt			**FMF Duty:** Radio Bn Non-FMF Duty: Marine Support Bn
SSgt			**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
Sgt			**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

Cpl	Fundamentals Military Cryptanalysis Course (Entry Level for Skill Designator MOS)	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

2651, Special Intelligence System Administrator/Communicator

MOS Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Postgraduate Intelligence Program (PGIP) Information Systems Security Manager (ISSM) Course	**FMF Duty:** Radio Bn/Spec Sec Comm Teams **Non-FMF Duty:** Marine Support Bn
MSgt		Information Systems Security Manager (ISSM) Course	FMF Duty: Radio Bn/Spec Sec Comm Teams **Non-FMF Duty:** Marine Support Bn
GySgt		Information Systems Security Managers (ISSM) Course Advanced Network Analyst (ANA) Course Information Systems Security Administrator (ISA) Course Network Security Vulnerability Technician (NSVT) Course Navy Integrated Cryptologic Communication Systems (NICCS) Course Undergraduate Intelligence Program (UGIP)	**FMF Duty:** Radio Bn/Spec Sec Comm Teams/ **Non-FMF Duty:** Marine Support Bn
SSgt		Transmission Security Course Communications Security Course Advanced Network Analyst (ANA) Course Unix System Administrator Course	**FMF Duty:** Radio Bn/Spec Sec/Comm Teams/Intel Bn **Non-FMF Duty:** Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

	Information Systems Administrator (ISA) Course Network Security Vulnerability Technician (NSVT) Course Navy Integrated Cryptologic Communications System (NICCS) Course SIGINT Information System Course Undergraduate Intelligence Program (UGIP)	
Sgt	Communications Technical Control Course Information Systems Administrator (ISA) Course Network Security Vulnerability Technician (NSVT) Course Navy Integrated Cryptologic Communications Systems (NICCS) Course SIGINT Information System Course Tactical Data Network (TDN) Course UNIX System Administrator Course Defense Messaging System (DMS) Course Communications Security Familiarization Course (UGIP) Undergraduate Intelligence Program (UGIP)	**FMF Duty:** Radio Bn/Spec Sec/Comm Teams/Intel Bn **Non-FMF Duty:** Marine Support Bn
Cpl	Information Systems Administrator (ISA) Course Certification Authority Workstation (CAW) Course Defense Messaging System (DMS) Course	**FMF Duty:** Radio Bn/Spec Sec/Comm Teams/Intel Bn **Non-FMF Duty:** Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

		New Technology (NT) Intelligence and Operations Workstation Course IAS System Administrator Course	
LCpl-Pvt	Cryptologic Tech "O" Class A	Certification Authority Workstation (CAW) Course Defense Messaging System (DMS) Course New Technology (NT) Intelligence & Operations Workstation Course IAS System Administrator Course	**FMF Duty:** Radio Bn/Spec Sec/Comm Teams/Intel Bn **Non-FMF Duty:** Marine Support Bn

MOS 2671, Middle East Cryptologic Linguist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
MSgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
GySgt/SSgt		Senior Military Cryptologic Supervisors Course (CY-3200) Analysis and Reporting Course Immediate Analysis and Reporting Course Arabic Military Language Program (AMLP) Defense Language Institute Intermediate Language Course or Equivalent	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

		Language Refresher Training Undergraduate Intelligence Program (UGIP)	
SSgt		Senior Military Cryptologic Supervisors Course (CROR-3200) Analysis and Reporting Course Intermediate Analysis and Reporting Course Arabic Military Language Program (AMLP) Defense Language Institute Intermediate Language Course or Equivalent Language Refresher Training Undergraduate Intelligence Program (UGIP)	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
Sgt		Analysis and Reporting Course Intermediate Analysis and Reporting Course Arabic Military Language Program (AMLP) Language Refresher Training	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
Cpl		Analysis and Reporting Course	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
LCpl-Pvt	Defense Language Institute Basic Language Course or Equivalent and Voice Processing Specialist		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

MOS 2673, Asia-Pacific Cryptologic Linguist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
MSgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
GySgt		Senior Military Cryptologic Supervisors Course (CROR-3200) Analysis and Reporting Course Intermediate Analysis and Reporting Course Korean Military Language Program (KMLP) Defense Language Institute Intermediate Advanced Language Course or Euivalent Language Refresher Training Undergraduate Intelligence Program (UGIP)	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
SSgt		Senior Military Cryptologic Supervisor Course CROR-3200) Analysis and Reporting Course Intermediate Analysis and Reporting Course Korean Military Language Program (KMLP) Defense Language Institute Intermediate Advanced Language or Equivalent	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

		Language Refresher Training Collection Management Course (TM-201) Undergraduate Intelligence Program (UGIP)	
Sgt		Analysis and Reporting Course Intermediate Analysis and Reporting Course Korean Military Language Program (KMLP) Language Refresher Training	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
Cpl		Analysis and Reporting Course Cryptologic Skills for Senior Supervisors Course (CK-155)	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
LCpl-Pvt	Defense Language Institute Basic Language Course or Equivalent and Voice Processing Specialist		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

MOS 2674, European I (West) Cryptologic Linguist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
MSgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
GySgt		Senior Military Cryptologic Supervisors Course (CROR-3200) Analysis and Reporting Course	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

	Intermediate Analysis and Reporting Course Spanish Military Language Program Defense Language Institute Intermediate Advanced Language Course or Euivalent Language Refresher Training Undergraduate Intelligence Program (UGIP)	
SSgt	Senior Military Cryptologic Supervisors Course (CY-200) Analysis and Reporting Course Intermediate Analysis and Reporting Course Spanish Military Language Program (SMLP) Defense Language Institute Intermediate/Advanced Language Course or Equivalent Language Refresher Training Undergraduate Intelligence Program (UGIP)	**FMF Duty**: Radio Bn **Non-FMF Duty**: Marine Support Bn
Sgt	Analysis and Reporting Course Intermediate Analysis and Reporting Course Spanish Military Language Program (SMLP) Language Refresher Training	**FMF Duty**: Radio Bn **Non-FMF Duty**: Marine Support Bn
Cpl	Analysis and Reporting Course Cryptologic Skills for Senior Supervisors Course (CK-155)	**FMF Duty**: Radio Bn **Non-FMF Duty**: Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

LCpl-Pvt	Defense Language Institute Basic Language Course or Equivalent and Voice Processing Specialist	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

MOS 2676, European II (East) Cryptologic Linguist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
MSgt	2691		**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn
GySgt		Senior Military Cryptologic Supervisors Course (CY 200) Fleet Analysis and Reporting Course Cryptologic Skills for Senior Supervisor Course (CK-155) Intermediate Traffic Analysis and Technical Reporting Course (TA-200) Defense Language Institute Intermediate Language Course or Equivalent Language Refresher Course Collection Management Course (TM-201) Undergraduate Intelligence Program (UGIP)	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

SSgt	Senior Military Cryptologic Supervisors Course (CY-200) Fleet Analysis and Reporting Course Cryptologic Skills for Senior Supervisors Course (CK-155) Intermediate Traffic Analysis and Technical Reporting Course (TA-200) Defense Language Institute Intermediate Language Course or equivalent Language Refresher Training Collection Management Course (TM-201) Undergraduate Intelligence Program (UGIP)	**FMF Duty**: Radio Bn **Non-FMF Duty**: Marine Support Bn
Sgt	Fleet Analysis and Reporting Course Cryptologic Skills for Senior Supervisors Course (CK-155) Language Refresher Training	**FMF Duty**: Radio Bn **Non-FMF Duty**: Marine Support Bn
Cpl	Fleet Analysis and Reporting Course Cryptologic Skills for Senior Supervisors Course	**FMF Duty**: Radio Bn **Non-FMF Duty**: Marine Support Bn
LCpl-Pvt	Defense Language Institute Basic Language Course or Equivalent and Voice Processing Specialist	**FMF Duty**: Radio Bn **Non-FMF Duty**: Marine Support Bn

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

MOS 2691, Signals Intelligence/Electronic Warfare Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	2691	Postgraduate Intelligence Program (PGIP)	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Crypto-Logic Support Bn
MSgt	2691	Postgraduate Intelligence Program (PGIP) Undergraduate Intelligence Program (UGIP) Senior Military Cryptologic Supervisors Course (CY-200) Information Operation (IO) Fundamentals Course	**FMF Duty:** Radio Bn **Non-FMF Duty:** Marine Crypto-logic Support Bn
	(Entry level for primary MOSs 2621, 2631, or 267X)		

FIGURE 3-13.—Signals Intelligence/Ground Electronic Warfare Career Structure Chart

3120. **OCCUPATIONAL FIELD 27, LINGUIST**

1. Introduction. The linguist OccFld contains skill designator MOSs broken down to identify specific foreign language skills. Qualifications require that Marines obtain and maintain a minimum Defense Language Proficiency Test (DLPT) skill proficiency level of 2 in at least two out of the three tested areas (listening, reading, and speaking). The DLPT is the current Department of Defense standard to determine foreign language proficiency and maintain quality control. Duties may involve direct supervision and participation in language translation/interpretation activities in support of the full range of military operational and intelligence matters encountered during contingencies, operations, and exercises. Formal schooling is provided to those Marines entering this OccFld as a part of the comprehensive training program for designated MOSs within the 02XX and 267X OccFlds. However, required foreign language skills may be obtained through any combination of formal or informal training. This skill designator MOS will be assigned and voided by the CMC (MM) only.

2. MOS 2711 through 2794, Linguist (MGySgt to Pvt)*

a. Summary. Linguist MOSs (2711-2727, 2733-2747, 2754-2769, 2776-2794) are skill designator MOSs that require specialized foreign language skills. Linguists supervise and participate in language translation/interpretation activities pertaining primarily to military operational and intelligence activities. These MOSs will be assigned as skill designator MOSs to identify those Marines with qualifying foreign language skills. The titles and MOSs will also be used to identify billets in T/Os requiring specific foreign language skills as a required billet MOS (BMOS). These skill designator MOSs will be assigned and voided by the CMC (MM) only.

b. Requirements/Prerequisites

(1) Successfully complete the required course of instruction at the Defense Language Institute. (Note: Individuals may also qualify for this skill designator MOS by demonstrating proficiency in the appropriate language by achieving a minimum level 2 proficiency in both the listening and either the reading or speaking portions of the Defense Language Proficiency Test (DLPT).

(2) Maintain a current qualifying Defense Language Proficiency Test (DLPT) score of Reading Level 2/Listening Level 2.

c. Duties

(1) Conducts bi-directional consecutive interpretation of target language to English and English to target language using phraseology selected to preserve the original intent, meaning, and emphasis.

(2) Phrases ideas to avoid language that is stilted, unnatural, and difficult to understand.

(3) Displays an impartial attitude toward each speaker and to facts and opinions expressed.

(4) Interprets into either English or foreign language statements made by participants in conferences, working parties, and all similar activities.

(5) Interviews friendly non-English speaking civilians such as police, clergymen, and other citizens to obtain information of military value.

(6) Writes reports, including opinion as to the credibility of the person interviewed, for use by unit commander and for dissemination to lower, adjacent, and higher headquarters.

(7) Translates into either English or the foreign language, written material of both a technical and non-technical nature.

(8) Establishes a file of language reference materials, English and foreign language dictionaries, and glossaries of military terms.

d. Related DOT Classification/DOT Code

(1) Interpreter 137.267-010.

(2) Translator 137.267-018.

3. Skill Designator - Middle East (MOSs 2711 to 2727)

a. Skill Designator, MOS 2711, Afghan Pushtu (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Afghan Pushtu.

b. Skill Designator, MOS 2712, Arabic (Mod Std) (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Arabic (Mod Std).

c. Skill Designator, MOS 2713, Arabic (Egyptian) (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Arabic (Egyptian).

d. Skill Designator, MOS 2714, Arabic (Syrian) (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Arabic (Syrian).

e. Skill Designator, MOS 2716, Amharic (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Amharic.

f. Skill Designator, MOS 2717, Bengali (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Bengali.

g. Skill Designator, MOS 2718, Hebrew (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Hebrew.

h. Skill Designator, MOS 2719, Hindi (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Hindi.

i. Skill Designator, MOS 2721, Kurdish (MGySgt-Pvt

(1) Requirement/Prerequisite. Must be proficient in Kurdish.

j. Skill Designator, MOS 2722, Persian-Farsi (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient Persian-Farsi.

k. Skill Designator, MOS 2723, Somali (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Somali.

l. Skill Designator, MOS 2724, Swahili (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Swahili.

m. Skill Designator, MOS 2726, Turkish (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Turkish.

n. Skill Designator, MOS 2727, Urdu (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Urdu.

4. Skill Designators - Asia-Pacific (MOSs 2733 to 2747)

a. Skill Designator, MOS 2733, Burmese (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Burmese.

b. Skill Designator, MOS 2734, Cambodian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Cambodian.

c. Skill Designator, MOS 2736, Chinese (Cant) (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Chinese (Cant).

d. Skill Designator, MOS 2737, Chinese (Man) (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Chinese (Man).

e. Skill Designator, MOS 2738, Indonesian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Indonesian.

f. Skill Designator, MOS 2739, Japanese (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Japanese.

g. Skill Designator, MOS 2741, Korean (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Korean.

h. Skill Designator, MOS 2742, Laotian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Loatian.

i. Skill Designator, MOS 2743, Malay (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Malay.

j. Skill Designator, MOS 2744, Tagalog (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Tagalog.

k. Skill Designator, MOS 2746, Thai (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Thai.

l. Skill Designator, MOS 2747, Vietnamese (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Vietnamese.

5. Skill Designators - European I (West) (MOSs 2754 to 2769)

a. Skill Designator, MOS 2754, Dutch (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Dutch.

b. Skill Designator, MOS 2756, Finnish (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Finnish.

c. Skill Designator, MOS 2757, French (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in French.

d. Skill Designator, MOS 2758, German (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in German.

e. Skill Designator, MOS 2759, Greek (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Greek.

f. Skill Designator, MOS 2761, Haitian-Creole (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Haitian-Creole.

g. Skill Designator, MOS 2762, Icelandic (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Icelandic.

h. Skill Designator, MOS 2763, Italian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Italian.

i. Skill Designator, MOS 2764, Norwegian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Norwegian.

j. Skill Designator, MOS 2766, Portuguese (BR) (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Portuguese (BR).

k. Skill Designator, MOS 2767, Portuguese (EU) (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Portuguese (EU).

l. Skill Designator, MOS 2768, Spanish (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Spanish.

m. Skill Designator, MOS 2769, Swedish (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Swedish.

6. Skill Designators - European II (East) (MOSs 2776 to 2794)

a. Skill Designator, MOS 2776, Albanian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Albanian.

b. Skill Designator, MOS 2777, Armenian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Armenian.

c. Skill Designator, MOS 2778, Bulgarian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Bulgarian.

d. Skill Designator, MOS 2779, Czech (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Czech.

e. Skill Designator, MOS 2781, Estonian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Estonian.

f. Skill Designator, MOS 2782, Georgian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Georgian.

g. Skill Designator, MOS 2783, Hungarian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Hungarian.

h. Skill Designator, MOS 2784, Latvian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Latvian.

i. Skill Designator, MOS 2786, Lithuanian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Lithuanian.

j. Skill Designator, MOS 2787, Macedonian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Macedonian.

k. Skill Designator, MOS 2788, Polish (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Polish.

l. Skill Designator, MOS 2789, Romanian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Romanian.

m. Skill Designator, MOS 2791, Russian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Russian.

n. Skill Designator, MOS 2792, Serb-Croat (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Serb-Croat.

o. Skill Designator, MOS 2793, Slovenian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Slovenian.

p. Skill Designator, MOS 2794, Ukranian (MGySgt-Pvt)

(1) Requirement/Prerequisite. Must be proficient in Ukranian.

3121. **OCCUPATIONAL FIELD 28, GROUND ELECTRONICS MAINTENANCE**

1. Introduction. The ground electronics maintenance OccFld includes the diagnosis, repair, adjustment, and calibration of electronic equipment and systems used by Marine Corps ground forces. The equipment and systems include various types of communications hardware, data terminals, cryptographic devices, ground radar, and a wide range of test equipment and calibration devices. Qualifications to work in this field include manual dexterity, normal color vision, be eligible to hold a secret security clearance, the ability to understand involved technical material, and to comprehend somewhat complex mathematical and logic principles. Types of entry-level jobs available include work as a ground communications systems repairer, ground radio intermediate repairer, telephone systems/personal computer intermediate repairer, TMDE technician, and ground radar technician. Formal schooling is provided to all Marines entering this field. In general, entry-level training consists of basic electronics, fundamentals instruction, and an equipment-oriented phase at either a Marine Corps school or other service school. Advancing from the entry-level MOS will involve either related supervisory/technical level training or a lateral move to another MOS within the field. Billets for data/communications maintenance personnel are found throughout the Marine Corps, but are concentrated within units having specific electronic or service support missions. Marines in this field may serve within division or wing units, communication battalions, force service support group, or at a depot effecting the complete overhaul of electronic equipment. Instructor billets are found at the formal schools. Marines entering this field will be assigned MOS 2800, Basic Ground Electronics Maintenance Marine.

2. MOS 2822, Electronic Switching Equipment Technician (GySgt to Pvt)

a. Summary. This is an entry level MOS for TRI-Tac Switch systems. Typical duties are the use of a maintenance panel or test equipment to check switching system status, replacement of inoperative components or parts, and interconnection of electronic switching systems with other communication elements. Electronic switching equipment technicians must understand programming codes to establish system modes of operation or to execute diagnostic routines. With additional training, these Marines are also capable of maintaining fixed plant digital switching equipment. MOS 2891, Electronics Maintenance Chief, is assigned upon promotion to Master Sergeant.

b. Requirements/Prerequisites

(1) Must possess an EL score of 115 or higher.

(2) Complete the Basic Electronics Course, and the Unit Level Circuit Switch (ULCS) Intermediate Maintenance Course.

(3) Complete 1 year of high school algebra.

(4) Must have normal color vision.

(5) Must be eligible for a secret security clearance.

(6) Must be a U.S. Citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Automatic Equipment Technician 822.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill

(1) Telephone Systems/Personal Computer Intermediate Repairer, 2847.

(2) Technical Controller, 2823.

3. MOS 2823, Technical Controller (MGySgt to Sgt)

a. Summary. Technical controllers operate technical control equipment to locate faults or degradation in communication networks. These specialists are in key positions to test transmission quality since most high capacity communication circuits pass through the technical control (TECHCON) facility. Typical duties are coordination with circuit users to accomplish activations and deactivations, special circuit conditioning, testing of individual circuits to ensure that circuit quality is maintained, and rerouting of data flow resulting from outages or degradations in quality. Technical controllers operate and maintain the TECHCON facility by performing tasks to include making adjustments to equipment up to replacing faulty components/parts. Lateral input to MOS 2823 is from OccFlds 06, 28, and 59.

b. Requirements/Prerequisites

(1) Must possess an EL score of 115 or higher.

(2) Complete the Technical Control Course.

(3) Must have normal color vision.

(4) Must be eligible for a secret security clearance.

(5) Must be a U.S. Citizen.

(6) Must be a sergeant holding any of the following MOSs: 06XX, 28XX, or 59XX.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Automatic Equipment Technician 822.281-010.

4. MOS 2826, AN/MSC-63A Maintenance Technician (GySgt to Sgt)*

a. Summary. AN/MSC-63A maintenance technicians are qualified to emplace, interconnect, and maintain the AN/MSC-63A telecommunications terminal in either the special security or general service mode. The AN/MSC-63A is a computer-controlled data/communications terminal capable of interfacing with various data transmission networks. Typical duties are diagnosing system troubles, replacing components and parts, and aligning peripheral devices. The 2826 services crytographic components

through end item replacement. This MOS will be assigned only as a skill designator MOS to Marines holding primary MOS 2847, or 2862.

b. Requirements/Prerequisites

(1) Complete the AN/MSC-63A Maintenance Course.

(2) Must possess a top-secret security clearance based on a Single Scope Background Investigation.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Automatic Equipment Technician 822.281-010.

(2) Electronics Mechanic 828.281-010.

5. MOS 2827, Tactical Electronic Reconnaissance Process/Evaluation Systems (TERPES) Technician (GySgt to Sgt)*

a. Summary. TERPES technicians are responsible for all technical duties required for the maintenance of the system. This MOS will be assigned only as a skill designator MOS to Marines holding primary MOS 2847, or 2862.

b. Requirements/Prerequisites

(1) Complete the TERPES Maintenance Technician Course.

(2) Must possess top-secret security clearance based on Single Scope Background Investigation.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. Telephone Systems/Personal Computer Intermediate Repairer, 2847.

6. MOS 2831, AN/TRC-170 Repairer (Sgt to Pvt)

a. Summary. The AN/TRC-170 repairer is qualified to install, test, and repair multichannel communications equipment used for high capacity, point-to-point communications. Typical duties include emplacing and orienting multichannel microwave equipment, tuning and aligning systems, adjusting audio or data levels, using test equipment to make checks on circuit quality, and replacing faulty parts or components. Repairers in this MOS are properly trained in corrective and preventive maintenance to the intermediate (3rd echelon) level of repair. Repairers are also trained in the employment and installation of the terminals to complement their working knowledge of hardware capabilities.

b. Requirements/Prerequisites

(1) Must possess an EL score of 115 or higher.

(2) Complete the Basic Electronics Course, and the Multichannel Equipment Repair Course.

(3) Complete 1 year of high school algebra.

(4) Must be eligible for a secret security clearance.

(5) Must have normal color vision.

(6) Must be a U.S. Citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Requirements/Prerequisites

(1) Radio Mechanic 823.261-018.

(2) Electrician, Radio 823.281-014.

e. Related Military Skill. Ground Radio Intermediate Repairer, 2846.

7. MOS 2832, AN/TRC-170 Technician (GySgt to Sgt)

a. Summary. AN/TRC-170 technicians are qualified to install, test, and repair multichannel communications equipment used for high capacity, point-to-point communications. These technicians supervise multichannel communications equipment maintenance activities and instruct in the use and repair of multichannel related equipment and systems. Typical duties include tuning and aligning systems, adjusting audio or data levels, using test equipment to make checks on circuit quality, and replacing faulty parts or components through fourth echelon. Technicians are also trained in the employment and installation of the terminals to complement their working knowledge of hardware capabilities. This MOS is a career progression for MOS 2831. MOS 2891, Electronics Technicians, is assigned upon promotion to master sergeant.

b. Requirements/Prerequisites

(a) Must possess an EL score of 115 or higher.

(b) Complete the Electronics Technology Course and the Multichannel Equipment Technician Course.

(c) Complete 1 year of high school algebra.

(d) Must be eligible for a secret security clearance.

(e) Must have normal color vision.

(f) Must be a U.S. Citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Radio Mechanic 823.261-018.

(2) Electrician, Radio 823.281-014.

e. Related Military Skill. Electronics Maintenance Technician, 2862.

8. MOS 2833, Fleet Satellite Terminal Technician (GySgt to Sgt)*

a. Summary. Fleet satellite terminal technicians are formal school trained and qualified to install, test and repair UHF satellite communications equipment used for high capacity terminals associated with naval satellite networks. Typical duties include adjusting audio or data levels, using test equipment to identify and diagnose equipment faults to the component (piece part) level, and making repairs as required. They are properly trained in corrective maintenance to the intermediate (4th) echelon of repair. Technicians are also trained in employment and installation of the terminals to complement their working knowledge of hardware capabilities. This MOS will only be assigned as a skill designator MOS to Marines holding primary MOS 2834.

b. Requirements/Prerequisites. Complete the following Navy courses: Naval Modular Automated Communications System (NAVMACS II) Maintenance Course, WSC-3-UHF/DAMA Systems Technician Course, COMSEC Maintenance Technician Course, and the AN/TSC-96A Maintenance Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Radio Mechanic 823.261-018.

(2) Electrician, Radio 823.281-014.

9. MOS 2834, Satellite Communications (SATCOM) Technician (GySgt to Sgt)

a. Summary. Satellite communications (SATCOM) technicians are formal school trained and qualified to test and repair satellite communications equipment. These terminals are used to establish high capacity communications with other military and civilian systems. Typical duties include adjusting audio or data levels, use of test equipment to identify and diagnose equipment faults to the component level and making repairs as required. Technicians are properly trained in corrective and preventative maintenance to the intermediate (4th) echelon of repair. Technicians are also trained in employment and installation of the terminals to complement their working knowledge of hardware capabilities. Lateral input to MOS 2834 is from other OccFld 28 MOSs. MOS 2891, Electronics Maintenance Chief, is assigned upon promotion to Master Sergeant.

b. Requirements/Prerequisites

(1) Must possess an EL score of 115 or higher.

(2) Complete the Ground Mobile Forces SATCOM Repair Course at Ft Gordon, GA.

(3) Complete 1 year of high school algebra.

(4) Must be eligible for a secret security clearance.

(5) Must have normal color vision.

(6) Must be a U.S. Citizen.

(7) Must hold an MOS in OccFld 28 (sergeant or above).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Radio Mechanic 823.261-018.

(2) Electrician, Radio 823.281-014.

e. Related Military Skill

(1) AN/TRC-170 Technician, 2832.

(2) Electronics Maintenance Technician, 2862.

10. MOS 2844, Ground Communications Organizational Repairer (Sgt to Pvt)

a. Summary. Ground communications organizational repairers are trained to perform organizational level maintenance on ground common radio equipment, ground common telephone equipment, switchboards, peripheral devices, and related equipment used by ground and aviation forces. They are also trained to troubleshoot communications systems to ensure reliable service to users. Typical duties include organizational level repairs and alignments to ground common radio and telephone equipment, antenna repairs, requisitioning of parts, completing equipment repairs orders, and providing technical assistance during the installation of ground communications systems.

b. Requirements/Prerequisites

(1) Must possess an EL score of 115 or higher.

(2) Complete the Ground Communications Organizational Repair Course.

(3) Complete 1 year of high school algebra.

(4) Must be eligible for a secret security clearance.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Radio Mechanic 823.261-018.

(2) Maintenance Mechanic, Telephones.

(3) Electronics Mechanic.

11. MOS 2846, Ground Radio Intermediate Repairer (Sgt to Pvt)

a. Summary. Ground radio intermediate repairers are trained to diagnose, modify, and perform repairs at the intermediate level on ground common radio equipment, peripheral devices, and related equipment. Typical duties include intermediate level repairs to ground common radio equipment, requisitioning of parts, and completing equipment repair orders.

b. Requirements/Prerequisites

(1) Must possess an EL score of 115 or higher.

(2) Complete the Basic Electronics Course and the Ground Radio Intermediate Repair Course.

(3) Complete 1 year of high school algebra.

(4) Must be eligible for a secret security clearance.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Radio Mechanic 823.261-018.

(2) Electronics Mechanic.

12. MOS 2847, Telephone Systems/Personal Computer Intermediate Repairer (Sgt to Pvt)

a. Summary. Telephone systems/personal computer intermediate repairers are trained to diagnose, modify, and perform repairs at the intermediate level on ground common telephone equipment, switchboards, stand alone power supplies, ground common small computers, peripheral devices, and related equipment. Typical duties include intermediate level repairs and alignments to stand alone power supplies, ground common telephone equipment and ground common small computers, requisitioning of parts, and completing equipment repair orders.

b. Requirements/Prerequisites

(1) Must possess an EL score of 115 or higher.

(2) Complete the Basic Electronics Course and the Telephone System/Personal Computer Intermediate Repair Course.

(3) Complete 1 year of high school algebra.

(4) Must be eligible for a secret security clearance.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Radio Mechanic 823.261-018.

(2) Maintenance Mechanic, Telephones.

(3) Electronics Mechanic.

13. MOS 2848, Tactical Remote Sensor System (TRSS) Maintainer (GySgt to LCpl)*#

a. Summary. Tactical Remote Sensor System (TRSS) Maintainers are trained to inspect, maintain and repair TRSS equipment up to the 4th echelon level. TRSS maintainers are also trained to provide technical assistance during the installation and operation of the TRSS. This MOS will only be assigned as a skill designator to Marines holding primary MOS 2846, or 2862.

b. Requirements/Prerequisites

(1) Must possess a secret security clearance.

(2) Complete the Tactical Remote Sensor System (TRSS) Maintenance Course at MCCES, 29 Palms, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.108, Individual Training Standards.

d. Related DOT Classification/DOT Code. Electrician, Radio.

e. Related Military Skill

(1) Ground Radio Intermediate Repairer, 2846.

(2) Electronics Maintenance Technician, 2862.

This MOS was changed from MOS 8631 to MOS 2848.

14. MOS 2862, Electronics Maintenance Technician (GySgt to Sgt)

a. Summary. Electronics maintenance technicians are qualified to perform complex diagnosis, repairs, and modifications to ground data/communications equipment. These technicians supervise ground data/communications maintenance activities and instruct in the use and repair of ground data/communications equipment and systems. Typical duties include complex repairs and modifications to data/communication equipment, supervision of a maintenance section or shop, coordination of equipment evacuation for repair with other maintenance activities, requisitioning of parts, and monitoring maintenance reports. These technicians also provide technical assistance during the employment and installation of data/communication systems. This MOS is a career progression for MOSs 2844, 2846, and 2847. MOS 2891, Electronics Maintenance Chief, is assigned upon promotion to Master Sergeant.

b. Requirements/Prerequisites

(1) Must possess an EL score of 115 or higher.

(2) Complete the Electronics Technology Course and the Ground Data/ Communications Maintenance Technician Course.

(3) Complete 1 year of high school algebra.

(4) Must be eligible for a secret security clearance.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Radio Mechanic 823.261-018.

(2) Maintenance Mechanic, Telephones.

(3) Electronics Mechanic.

17. MOS 2871, Test Measurement and Diagnostic Equipment Technician (Sgt to Pvt)

a. Summary. Test measurement and diagnostic equipment technicians typical duties include the performance of authorized repairs and modifications to electrical/electronic TMDE used by the Marine Corps; calibration of high density, low complexity TMDE; keeping maintenance records on TMDE; initiating supply and maintenance action to evaluate unrepairable components, and ensuring that the authorized level of repair is maintained; completing supply requisitions, maintenance management reports, and other documentation; instructing in the theory and maintenance of electrical/electronic TMDE including small missile test sets; and assist in maintenance supervision.

b. Requirements/Prerequisites

(1) Must possess an EL score of 115 or higher.

(2) Complete the Test Measurement and Diagnostic Equipment Repair Course.

(3) Complete 1 year of high school algebra.

(4) Must be eligible for a secret security clearance.

(5) Must have normal color vision.

(6) Must be a U.S. Citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Instrument Mechanic 710.281-026.

(2) Calibrator I 710.681-014.

18. MOS 2874, Metrology Technician (MGySgt to Sgt)

a. Summary. Metrology technicians encompass every facet of metrology with the exception of radiological measurements. Typical duties of metrology technicians include calibrating precision electronic, mechanical, physical, optical, infrared and laser, and TMDE through use of measurement standards having a higher order of accuracy; reporting the results of calibrations; maintaining the calibration facilities standards and scheduling the comparison of the standards not within the calibration facilities capability to a higher echelon calibration laboratory; ensuring calibration traceability to the national bureau of standards of all calibrations performed; receiving, unpacking, and preparing shipments of delicate TMDE; determining the nature of calibration to be performed based on user requirements, procedures, and design specifications; performing repair incidental to performing a successful calibration; supervising the operation of a field or depot TMDE calibration and maintenance facility; scheduling calibration workflow; preparing and evaluating calibration procedures; monitoring the adequacy of available standards and submitting requests for changes; instructing users on care and use of TMDE; and advising using units on level of calibration required based on current procedures and the user's requirements. This MOS is a Career Progression for MOS 2871.

b. Requirements/Prerequisites

(1) Must have an EL score of 115 or higher.

(2) Complete (Navy) Advanced Calibration Technician School (ACTS) and (USMC) Physical Measurement and Calibration Journeyman Course.

(3) Complete 1 year of high school algebra.

(4) Must be eligible for a secret security clearance.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Instrument Mechanic 710.281-026.

(2) Calibrator I 710.681-014.

e. Related Military Skill. Aviation PME Technician, 6492.

19. MOS 2881, 2M/ATE Technician (GySgt to Pvt)

a. Summary. 2M/ATE technicians perform repairs on tactical and nontactical circuit cards characterized by the presence of surface mount components, highly static sensitive components, and multilead devices. Duties include developing diagnostic test routines (Silver disks/Gold Disks); using automatic test equipment as part of the diagnostic process; and performing complex miniature and micro-miniature soldering using an MK-2663/U soldering station; evacuation/disposition of unrepairable circuit cards; completing requisitions, deadline reports, and other

documentation. MOS 2891, Electronics Maintenance Chief, is assigned upon promotion to Master Sergeant.

b. Requirements/Prerequisites

(1) Must have an EL score of 115 or higher.

(2) Complete the Basic Electronics Course, 2M/ATE Course, and the Limited COMSEC Repair Course.

(3) Complete 1 year of high school algebra.

(4) Must be eligible for a secret security clearance.

(5) Must have normal color vision.

(6) Must be a U.S. Citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill. None.

20. MOS 2884, Ground Radar Repairer (Sgt to Pvt)*

a. Summary. Ground radar maintenance specialists encompass both operations and maintenance tasks. Typical duties include installing, inspecting, testing, repairing, and crewing, lightweight search radar sets (AN/PPS-15) and radar transponders (AN/PPN-19). MOS 2884 is assigned upon the completion of a formal ground radar repair course. This MOS will only be assigned as a skill designator MOS to Marines holding a primary MOS 2846.

b. Requirements/Prerequisites. Complete the Ground Radar Repair Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code. Electronics Mechanic 828.261-022.

e. Related Military Skill. Artillery Electronics Technician, 2887.

22. MOS 2887, Artillery Electronics Technician (GySgt to Pvt)

a. Summary. Artillery electronics technicians duties encompass the operation and maintenance of the AN/TPQ-36 Counter Mortar Radar System, the AN/TMQ-41 Meteorological Measuring System (MMS), the M-94 Chronograph (MVS), and the ancillary ground radar systems. Tasks include the siting, installing, inspecting, testing, and repairing of the systems with emphasis on inspection. Additional tasks include the supervision and instruction of the tasks listed above. Marines holding MOS 2887, upon reaching the grade of sergeant, will attend the career progression Electronics Technology Course. Artillery electronics technicians maintain necessary

records on maintenance performed, hours of operation, and systems or component tests. MOS 2891, Electronics Maintenance Chief, is assigned upon promotion to Master Sergeant.

b. Requirements/Prerequisites

(1) Must have an EL score of 115 or higher.

(2) Complete the Basic Electronic Course, Radar Fundamentals Course, (Army) Fire-finder Radar Repairer Course and (Army) Meteorological Equipment Repair Course.

(3) Complete 1 year of high school algebra.

(4) Must be a U.S. Citizen.

(5) Must be eligible for a secret security clearance.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code. Electronics Mechanic 828.261-022.

e. Related Military Skill. Artillery Electronic System Repairer, 2886.

23. MOS 2891, Electronics Maintenance Chief (MGySgt and MSgt)

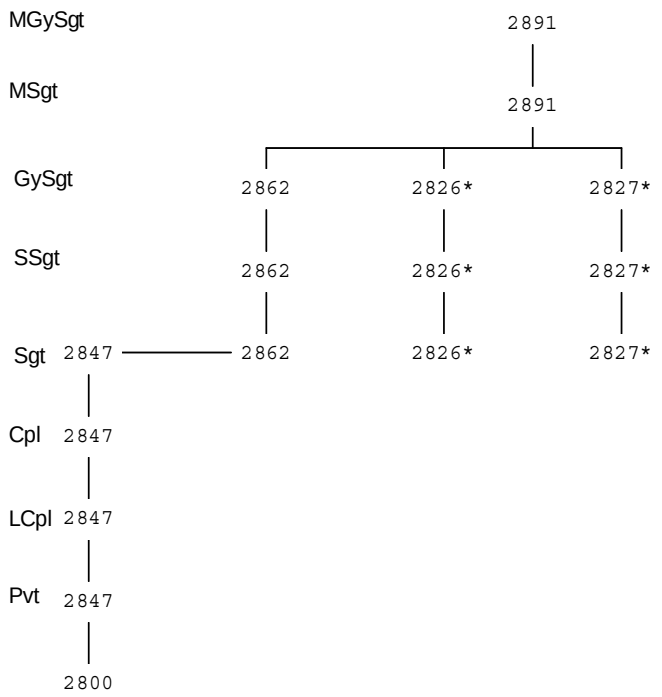
a. Summary. Electronics maintenance chiefs perform staff duties in formulating and implementing maintenance and supply plans, provisioning data/communications items, and preparing or reviewing publications and training materials. As a senior staff noncommissioned officer in a highly technical field, the electronics maintenance chief is qualified to manage the activities of maintenance personnel from diverse electronic specialties within data/communications. Duties may include instructing in the theory and maintenance of electronics, supervising a maintenance shop, writing evaluation test plans, and inspecting units performing electronic maintenance. This MOS is a career progression for gunnery sergeants with MOSs 2822, 2832, 2834, 2862, 2881, and 2887.

b. Requirements/Prerequisites. Must be eligible for a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.44_, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Electronics Maintenance Chief, 5993



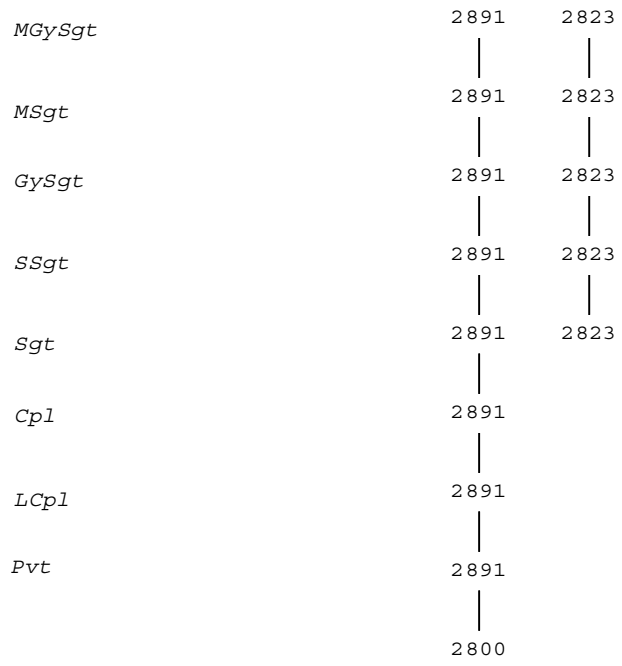
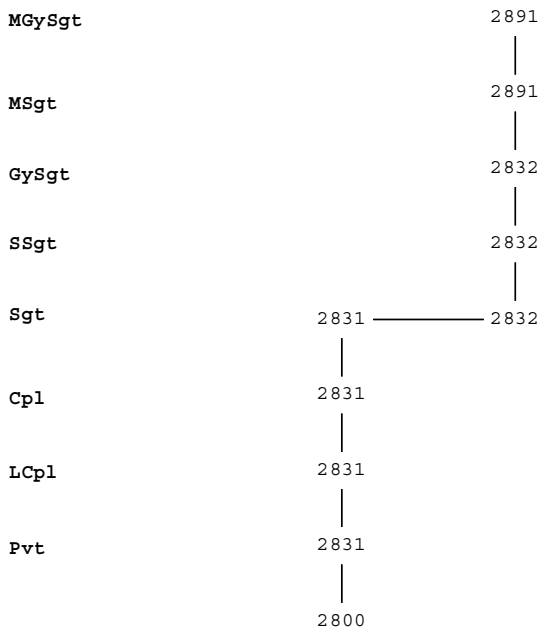


FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart



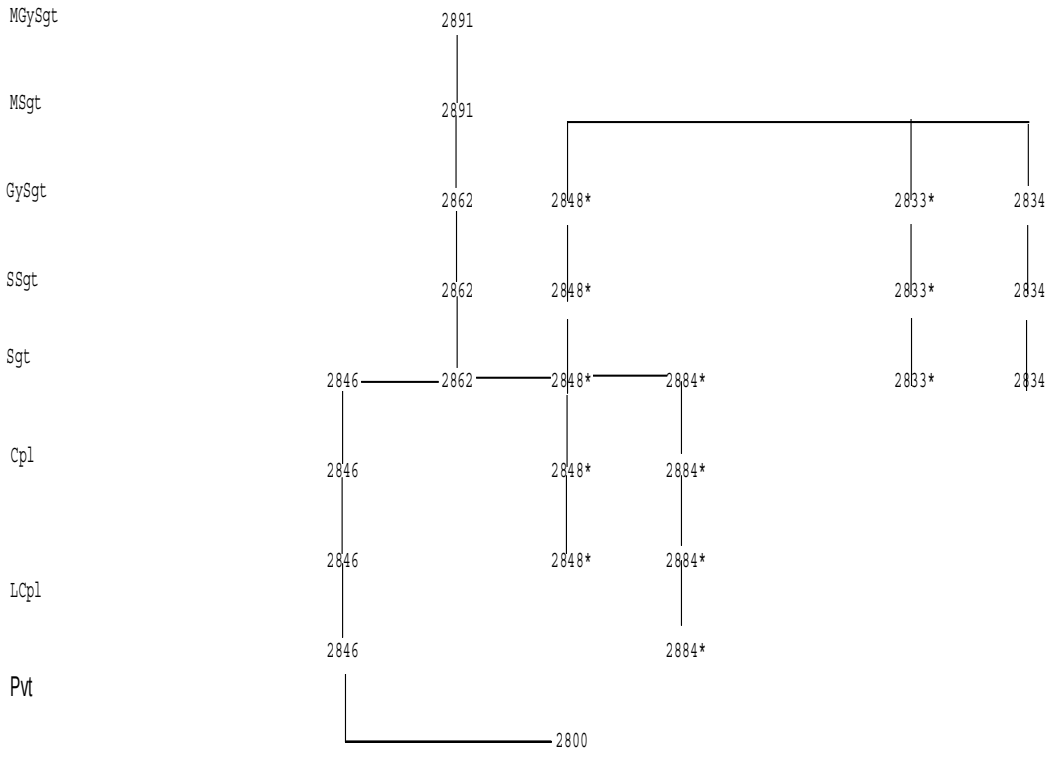
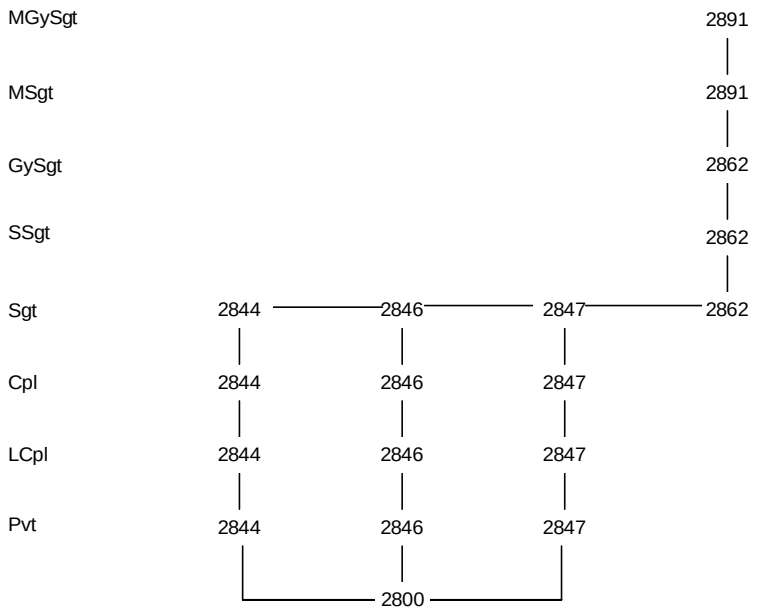


FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart



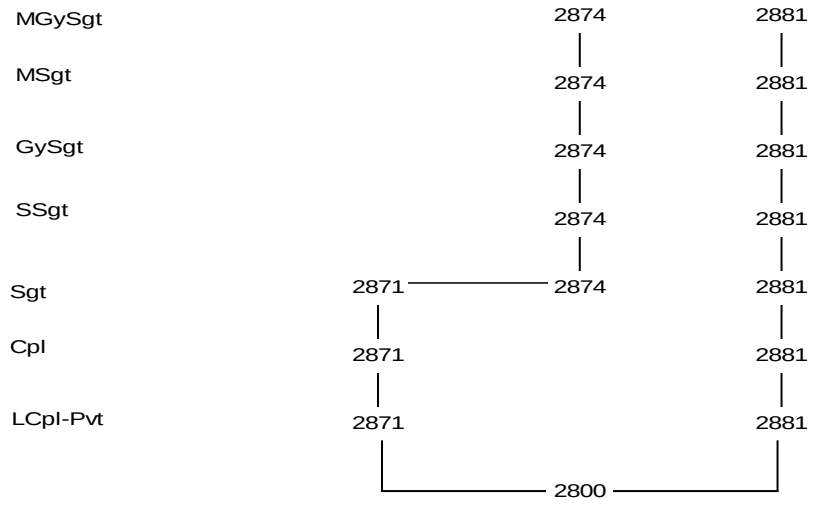
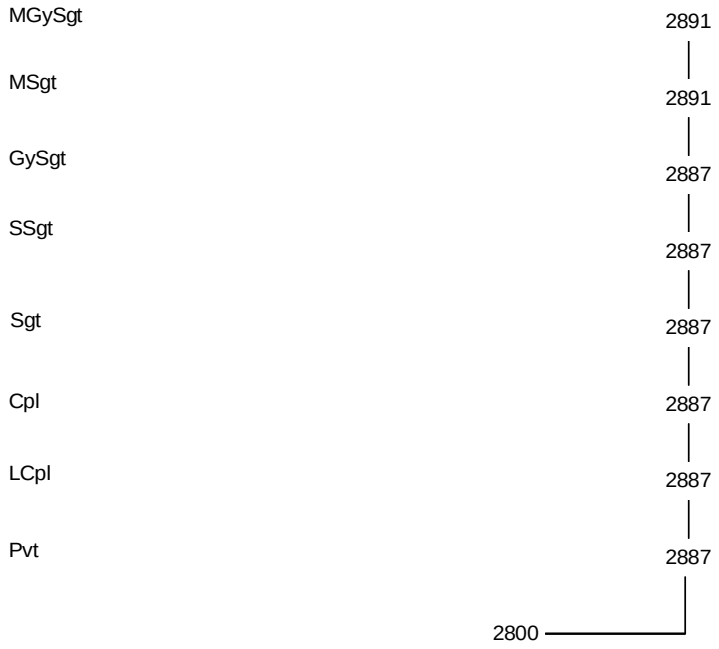


FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart



* Identifies Skill Designator MOS.

MOS	TITLE
2800	Basic Data/Communications Maintenance Marine
2822	Electronic Switching Equipment Technician
2823	Technical Controller
*2826	AN/MSC-63A Maintenance Technician
*2827	Tactical Electronic Reconnaissance Process/Evaluation System (TERPES) Technician
2831	AN/TRC-170 Repairer
2832	AN/TRC-170 Technician
*2833	Fleet Satellite Terminal Technician
2834	Satellite Communications (SATCOM) Technician
2844	Ground Communications Organizational Repairer
2846	Ground Radio Intermediate Repairer
2847	Telephone Systems/Personal Computer Intermediate Repairer
*2848	Tactical Remote Sensor System (TRSS) Maintainer
2862	Electronics Maintenance Technician
2871	Test Measurement and Diagnostic Equipment Technician
2874	Metrology Technician
2881	2M/ATE Technician
*2884	Ground Radar Repairer
2887	Artillery Electronics Technician
2891	Electronics Maintenance Chief

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

MOS 2822, Electronic Switching Equipment Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt		Digital Switching (Nortel) Course Microminiature Repair Course	**FMF Duty:** MAW/Comm Bn **Non-FMF Duty:** School
SSgt			**FMF Duty:** Div/Comm Bn **Non-FMF Duty:** Base/School
Sgt			**FMF Duty:** Div/MAW/Comm Bn **Non-FMF Duty:** Base/I&I Staff
Cpl			**FMF Duty:** FSSG/Comm Bn **Non-FMF Duty:** Base
LCpl-Pvt	Basic Electronics Course Unit Level Circuit Switch Intermediate Maintenance Course	Digital Switching (Nortel) Course Microminiature Repair Course	**FMF Duty:** FSSG/Div/Comm Bn **Non-FMF Duty:** Base

MOS 2823, Technical Controller

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Joint Tactical Automatic Switching Network Supervisors Course	**FMF Duty:** MARFOR HQ/MEF HQ **Non-FMF Duty:** None
MSgt			**FMF Duty:** FSSG/MAW/Comm Bn/MARFOR HQ/ Div **Non-FMF Duty:** None

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

GySgt-SSgt			**FMF Duty**: FSSG/MAW/Comm Bn/Div **Non-FMF Duty**: HQ Base/School
Sgt	Technical Control Course	Joint Tactical Automatic Switching Network Supervisors Course	**FMF Duty**: Div/FSSG/MAW/ Comm Bn **Non-FMF Duty**: Base/School

MOS 2826, AN/MSC-63A Maintenance Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt		TERPES Maintenance Technician Course Microminiature Repair Course Downsize NCS (EPLRS Operator/Maintainer Course	**FMF Duty:** Comm Bn/Rad Bn **Non-FMF Duty**: None
SSgt		TERPES Maintenance Technician Course Microminiature Repair Course Downsize NCS (EPLRS Operator/Maintainer Course	**FMF Duty**: FSSG/MAW/Comm Bn/Div **Non-FMF Duty**: School
Sgt	AN/MSC-63A Maintenance Technician Course	Microminiature Repair Course	**FMF Duty**: Comm Bn/Rad Bn **Non-FMF Duty**: I&I Staff

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

MOS 2827, Tactical Electronic Reconnaissance Process Evaluation/Systems (TERPES) Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt		AN/MSC-63A Maintenance Technician Course Microminiature Repair Course	**FMF Duty:** VMAQ **Non-FMF Duty:** School
SSgt			**FMF Duty:** VMAQ **Non-FMF Duty:** None
Sgt	TERPES Maintenance Technician Course	AN/MSC-63A Maintenance Technician Course Microminiature Repair Course	**FMF Duty:** VMAQ **Non-FMF Duty:** MCTSSA

MOS 2831, AN/TRC-170 Repairer

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Microminiature Repair Course Microwave Equipment Technician Course	**FMF Duty:** MAW/Comm Bn **Non-FMF Duty:** School
Cpl		Microminiature Repair Course Microwave Equipment Technician	**FMF Duty:** MAW/Comm Bn **Non-FMF Duty:** School
LCpl-Pvt	Basic Electronics Course Multichannel Equipment Repair Course	Microminiature Repair Course	**FMF Duty:** MAW/Comm Bn **Non-FMF Duty:** School

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

MOS 2832, AN/TRC-170 Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt		Microminiature Repair Course	**FMF Duty:** MAW/Comm Bn Non-FMF Duty: School/I&I Staff
SSgt		Microminiature Repair Course	**FMF Duty:** MAW/Comm Bn **Non-FMF Duty:** School/I&I Staff
Sgt	Electronics Technology Course Multichannel Equipment Technician Course	Microminiature Repair Course Course	**FMF Duty:** FSSG/MAW **Non-FMF Duty:** School/I&I Staff

MOS 2833, Fleet Satellite Terminal Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt-SSgt		Microminiature Repair Course	**FMF Duty:** Comm Bn **Non-FMF Duty:** School
Sgt	NAVMACS II Maintenance Course UHF Systems Technician Course COMSEC Maintenance Technician Course AN/TSC-96A Maintenance Course	Microminiature Repair Course	**FMF Duty:** Comm Bn **Non-FMF Duty:** None

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

MOS 2834, Satellite Communications Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt		Microminiature Repair Course AN/TSC-96A Maintenance Course	**FMF Duty:** Comm Bn **Non-FMF Duty:** School/I&I Staff
SSgt		Microminiature Repair Course AN/TSC-96A Maintenance Course	**FMF Duty:** Comm Bn **Non-FMF Duty:** None
Sgt	SMART-T Operator/ Maintainer Course Ground Mobile Forces SATCOM Repair Course	Microminiature Repair Course AN/TSC-96A Maintenance Course	**FMF Duty:** Comm Bn **Non-FMF Duty:** I&I Staff

MOS 2844, Ground Communications Organizational Repairer

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		AN/MRC-142 Systems Repair Course	**FMF Duty:** Div/FSSG/MAW/ Comm Bn/Rad Bn **Non-FMF Duty:** Base/School/ I&I
Cpl			**FMF Duty:** Div/FSSG/MAW/ Comm Bn/Rad Bn **Non-FMF Duty:** Base/School
LCpl-Pvt	Ground Communications Organizational Repair Course	AN/MRC-142 System Repair Course	**FMF Duty:** Div/FSSG/MAW/ Comm Bn/Rad Bn **Non-FMF Duty:** Base/School

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

MOS 2846, Ground Radio Intermediate Repairer

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Microminiature Repair Course AN/MRC-142 Radio Repair Course Ground Radar Repair Course Tactical Remote Sensor System Maintenance Course	**FMF Duty**: Div/FSSG/MAW/ Comm Bn/Rad Bn **Non-FMF Duty**: Base/School/ I&I
Cpl			**FMF Duty**: Div/FSSG/MAW/ Comm Bn/Rad Bn **Non-FMF Duty**: Base/School
LCpl-Pvt	Ground Radio Intermediate Repair Basic Electronics Course	Microminiature Repair MRC-142 Radio Repair Course Ground Radar Repair Course Tactical Remote Sensor System Maintenance Course	**FMF Duty**: Comm Bn/Rad Bn **Non-FMF Duty**: Base/School

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

MOS 2847 Telephone Systems/Personal Computer Intermediate Repairer

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Microminiature Repair Course	**FMF Duty:** Div/FSSG/MAW/ Comm Bn/Rad Bn **Non-FMF Duty:** Base/School/ I&I
Cpl			**FMF Duty:** Div/FSSG/MAW/ Comm Bn/Rad Bn **Non-FMF Duty:** Base/School
LCpl-Pvt	Telephone System/ Personal Computer Intermediate Repair Basic Electronics Course	Microminiature Repair Course	**FMF Duty:** Div/FSSG/MAW/ Comm Bn/Rad Bn **Non-FMF Duty:** Base/School

MOS 2848, Tactical Remote Sensor System (TRSS) Maintainer

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt		Microminiature Repair Course	**FMF Duty:** None **Non-FMF Duty:** None
SSgt		Microminiature Repair Course	**FMF Duty:** None **Non-FMF Duty:** School
Sgt		Microminiature Repair Course	**FMF Duty:** None **Non-FMF Duty:** None
Cpl		Microminiature Repair Course	**FMF Duty:** None **Non-FMF Duty:** None

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

LCpl	Tactical Remote Sensor System Maintenance Course	Microminiature Repair Course	**FMF Duty**: None **Non-FMF Duty**: None

MOS 2862, Electronics Maintenance Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt-SSgt		Microminiature Repair Course AN/MRC-142 Radio Repair Course Ground Radar Repair Course Tactical Remote Senor System Maintenance Course AN/MSC-63A Maintenance Technician Course TERPES Maintenance Course	**FMF Duty**: Div/FSSG/MAW/ Comm Bn/ Rad Bn/Intel Bn **Non-FMF Duty**: Base/School/ I&I Staff
Sgt	Ground Data/ Communications Maintenance Technician Course Electronic Technology Course	Microminiature Repair Course AN/MRC-142 Radio Repair Course Ground Radar Repair Course Tactical Remote Sensor System Maintenance Course AN/MSC-63A Maintenance Technician Course TERPES Maintenance Course	**FMF Duty**: Div/FSSG/MAW/ Comm Bn/Rad Bn **Non-FMF Duty**: Base/School/ I&I

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

MOS 2871, Test Measurement and Diagnostic Equipment Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Microminiature Repair Course	**FMF Duty:** FSSG **Non-FMF Duty:** Base/School
Cpl		Microminiature Repair Course	**FMF Duty:** FSSG/MAW **Non-FMF Duty:** Base/School
LCpl-Pvt	Test Measurement and Diagnostic Equipment Repair Course	Microminiature Repair Course	**FMF Duty:** FSSG/MAW **Non-FMF Duty:** Base/School

MOS 2874, Metrology Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** None **Non-FMF Duty:** Base/School
MSgt		Electronic Maintenance Supervisors Course	**FMF Duty:** FSSG **Non-FMF Duty:** Base
GySgt		Microminiature Repair Course Radiac Instrument Maintenance	**FMF Duty:** FSSG/MAW **Non-FMF Duty:** Base/School
SSgt		Microminiature Repair Course Radiac Instrument Maintenance	**FMF Duty:** FSSG/MAW **Non-FMF Duty:** Base/School
Sgt	Advanced Calibration Technician School Physical Measurement and Calibration Journeyman	Microminiature Repair Course Radiac Instrument Maintenance	**FMF Duty:** FSSG/MAW **Non-FMF Duty:** School

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

MOS 2881, 2M/ATE Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt			**FMF Duty:** FSSG/Comm Bn **Non-FMF Duty:** Base/School
SSgt			**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** Base/School
Sgt			**FMF Duty:** Div HQ/FSSG/ Rad Bn/MAW **Non-FMF Duty:** Base/School
Cpl			**FMF Duty:** Div HQ/FSSG/ MAW/Rad Bn **Non-FMF Duty:** Base
LCpl-Pvt	Basic Electronics Course 2M/ATE Course Limited COMSEC Repair Course		**FMF Duty:** FSSG/MAW/Div HQ Rad Bn **Non-FMF Duty:** Base

MOS 2884, Ground Radar Repairer

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Microminiature Repair Course	**FMF Duty:** FSSG **Non-FMF Duty:** School
Pvt-Cpl	Ground Radar Repair Course	Microminiature Repair Course	**FMF Duty:** FSSG **Non-FMF Duty:** None

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

MOS 2887, Artillery Electronics Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt-Cpl		Microminiature Repair Course	**FMF Duty**: Div HQ **Non-FMF Duty**: None
LCpl	Base Electronics Course Radar Fundamentals Course Radar Repairer TATS Meteorological Equipment Maintenance	Microminiature Repair Course	**FMF Duty**: Div HQ **Non-FMF Duty**: None

MOS 2891, Electronics Maintenance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty**: Div HQ/FSSG/ MAW/Rad Bn **Non-FMF Duty**: Base/School
MSgt		Electronics Maintenance Supervisors Course	**FMF Duty**: Div HQ/FSSG/ MAW **Non-FMF Duty**: Base/School/ I&I

FIGURE 3-14.--Ground Electronics Maintenance Career Structure Chart

3122. **OCCUPATIONAL FIELD 30, SUPPLY ADMINISTRATION AND OPERATIONS**

1. Introduction. The supply administration and operations OccFld includes personnel in the areas of ground supply administration and operations, warehousing, preservation and packaging, hazardous materials storage operations handling, fiscal accounting and purchasing, and contracting procedures pursuant to the Federal Acquisition Regulations. Minimum qualifications required include personal computer operations. Duties involve administrative and government specific procedures and the use of material handling equipment in the movement and storage of supplies and equipment. In all MOSs within the OccFld, technical skills are required regarding military and commercial specifications on supplies and equipment being procured, stored, and maintained. These skills and duties must be performed in garrison, contingency and combat environs. These Marines are required to understand and apply operation of various multimedia, data scanning, and retrieval devices; office and warehouse management procedures; automated information services data entry and external systems interface procedures; asset accounting functions; financial budget formulation; management and analysis; and the proper handling, storage, and disposal of hazardous material. Formal schooling is provided to Marines entering the OccFld. Types of entry-level jobs include work as automated information services supply stock control clerk (retail and wholesale), warehouse clerk, packaging specialist, fiscal clerk, contract specialist and personal computer operator.

2. MOS 3043, Supply Administration and Operations Clerk (MGySgt to Pvt)

a. Summary. Supply administration and operations clerks perform every facet of ground supply administration and operations. These Marines must be able to accomplish the technical duties in retail and wholesale supply accounting within every Marine Corps activity and unit. They operate personal computers, multimedia data entry, scanning and retrieval systems functions, generate routine reports, and perform technical research functions for customer inquiries, in addition to requisition and procurement processing. They maintain and prepare necessary accounting and supply documents, maintain custody records, perform reconciliations, and take timely action to ensure corrective action of problem areas. They solve data output interpretation problems or contact appropriate sources to resolve questionable areas.

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Complete the Enlisted Supply Basic Course, MCSSS, MCB Camp Lejeune, NC.

(3) No convictions by court-martial, civilian courts, or nonjudicial punishment of any act involving larceny or theft.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.73, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Merchandise Distributor 219.367-018.

(2) Space and Storage Clerk 219.387-026.

(3) Stock Control Clerk 219.387-030.

(4) Inventory Clerk 222.387-026.

(5) Material Clerk 222.387-034.

(6) Property Custodian 222.387-042.

(7) Stock Clerk 222.387-058.

(8) Storekeeper 222.387-062.

(9) Order Filler 222.487-014.

(10) Parts-Order-and-Stock Clerk 249.367-058.

(11) Distribution Accounting Clerk 210.362-010.

(12) Bookkeeper 210.382.014.

(13) Collection Clerk 216.362-014.

(14) Budget Clerk 216.382-022.

(15) Entry Clerk 203.582-054.

(16) Office Manager 169-167-034.

(17) Budget Analyst 161.267-030.

e. Related Military Skill. Aviation Supply Clerk, 6672.

3. MOS 3044, Contract Specialist (MGySgt to Sgt)

a. Summary. Contract specialists perform various duties incident to the acquisition of supplies and nonpersonal services purchased via open market from commercial and government sources. Marines in this MOS must have the ability to interact with civilians in the private sector and DoD civilians, work independently, and be objective in applying procurement laws, regulations and policies, and apply best business practices in daily activities.

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Must be interviewed and recommended by the Regional Contracting Officer. The Regional Contracting Officer must be MOS 9656 or civilian 1102 equivalent.

(3) Must be at least a sergeant with less than 2 years time in grade on second or subsequent enlistment with primary MOS 3043 when recommended by a Regional Contracting Officer.

(4) No convictions by court-martial, civilian courts, or nonjudicial punishment of any act involving larceny, fraud, or theft.

(5) Must demonstrate excellent communicative skills, both verbally and in writing. Communication skills will be gauged during initial screening conducted by the procurement chief. This may also include the submission on a one page written essay on a business related topic at the procurement chief’s discretion.

(6) Must have a minimum of 36 months of obligated service upon completion of OJT and assignment of intended MOS 3044. Marines must request an extension of obligated service in order to comply with this obligation.

(7) Must have a general aptitude for computers, the Marine Corps standard office software suite and basic office machines.

(8) Lateral move requests shall be approved through OccFld sponsor (Code LBP).

(9) Marines who lateral move into this MOS will be assigned MOS 3000 with an intended MOS of 3044. Marines will be assigned to a Regional Contracting Office for a period of 6 months for OJT. After successful completion of OJT and upon the recommendation of the Regional Contracting Officer, these Marines will be assigned MOS 3044.

(10) If after the Marine is assigned the 3044 MOS and is found unable to maintain procurements performance standards, within the first 24 months of being assigned to a Regional Contracting Office, the Regional contracting Officer may submit a request to CMC (MMEA) requesting to administratively drop the Marine from MOS 3044, back to their original MOS or another as determined by MMEA. Unless dropped for a cause, re-designation should not be a detriment to the Marine's career.

(11) Marines assigned the 3044 MOS are members of the DoD Acquisition Workforce and must meet statutory education, training and experience standards under the Defense Acquisition Workforce Improvement Act (DAWIA), as prescribed by DoD 5000.52-M DoD Acquisition Career Development Program, and as implemented by SECNAVINIST 5300.36, Department of the Navy Acquisition Workforce Program. Thus, the extent an applicant has completed college courses will be considered favorable for eligibility. DAWIA certification requirements by grade are described in the following paragraphs:

(a) Sergeants must complete Level I DAWIA standards to be eligible for certification in the contracting career field at Level I. Prerequisites for certification at Level I in the contacting career field require either a baccalaureate degree from an accredited educational institution authorized to grant baccalaureate degrees, or have completed at least 24 semester credit hours (or the equivalent) of study from an accredited institution of higher education in any of the following disciplines: accounting, business, finance, law, contracts, purchasing, economics, industrial management, marketing, quantitative methods, and organization and management; and completion of mandatory contracting courses, or DoD equivalency courses, specified for Level I; and one year of experience in contracting position.

(b) Staff Sergeants and Gunnery Sergeants must have completed Level II DAWIA standards to be eligible for certification in the contracting career field at Level II. Prerequisites for certification at Level II in the contracting career field require fulfillment of the prerequisites for Level I DAWIA certification; and completion of mandatory contracting courses, or DoD equivalency courses, specified for Level II; and two years of experience in a contracting position. In addition, Staff Sergeants and Gunnery Sergeants are strongly encouraged to continue their professional development through the continuation of undergraduate study beyond the minimum 24 semester credit hours required for Level I DAWIA certification.

(c) Master Sergeants and Master Gunnery Sergeants must have completed Level III DAWIA standards to be eligible for certification in the contracting career

field at Level III. Prerequisites for certification at Level III in the contracting career field require fulfillment of the prerequisites for Level I and Level II DAWIA certification; and completion of mandatory contracting courses, or DoD equivalency courses, specified for Level III; and 4 years in a contracting position. In addition, Master Sergeants and Master Gunnery Sergeants are strongly encouraged to continue their professional development through the continuation of undergraduate study beyond the minimum 24 semester credit hours required for Level I DAWIA certification.

NOTE: Waivers my be granted for only one prerequisite on a case-by-case basis.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.73, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Contract Specialist 162.117-018.

(2) Buyer 162.157-018.

(3) Purchasing Agent 162.157-038.

(4) Procurement Services Manager 162.167-022.

(5) Contracts Manager 163.117-010.

(6) Contract Administrator 162.117-014.

e. Related Military Skill. None.

4. MOS 3051, Warehouse Clerk (MGySgt to Pvt)

a. Summary. Warehouse clerks perform various duties which include receiving, inspecting, locating, storing, rotating, safekeeping, issuing, preparing, shipping, material return and disposal of supplies and equipment as relates to ground supply operations. These clerks maintain personal computer and mainframe locator systems, conduct inventories, maintain records of subcustody principal end items, monitor shelf life items through CD ROM and the mainframe support systems, and input data entry transactions and retrieval of historical records. They maintain hand held optical character recognition scanners, devices, and multimedia retrieval systems. These Marines are licensed to operate MHE (forklifts, tractors, etc.) and operate bulk and small parts conveyer systems used in warehousing operations. They identify packaging requirements and ensure items are maintained as required; comply with fire and safety regulations; use protective measures for items in storage, including open storage lots and hazardous materials storage areas; establish field supply support areas. Use detailed technical data from the Federal Logistics System in the care and storage program; develop storage space requirements; and store materiel per weight, cube, and clearance factors by categories of supply.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Complete the Enlisted Warehouseman Basic Course at the MCSSS, Camp Lejeune, NC.

(3) No convictions by court-martial, civilian courts, or nonjudicial punishment of any act involving larceny or theft.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.73, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Merchandise Distributor 219.367-018.

(2) Space and Storage Clerk 219.387-026.

(3) Stock Control Clerk 219.387-030.

(4) Inventory Clerk 222.387-026.

(5) Stock Clerk 222.387-058.

(6) Storekeeper 222.387-062.

(7) Order Filler 222.487-014.

(8) Parts Order and Stock Clerk 249.367-058.

(9) Data Entry Clerk 203.582-054.

(10) Warehouse Supervisors 929.137-022.

e. Related Military Skill. None.

5. MOS 3052, Packaging Specialist (MGySgt to Pvt)

a. Summary. Packaging specialists plan, supervise, train, and perform various duties pertaining to the preparation and packaging of various types of material for movement or shipment by common carriers. Tasks include cleaning, drying, preserving, packing, marking, and materiel consolidation and unitization. Through additional training received at formal and follow-on training schools and on-the-job training, packaging specialists become proficient in facilities management, materiel management processes and procedures applicable to the protection of material from deterioration and/or physical damage. They are further instructed in the use of motorized materiel handling equipment and the operation of labor saving devices and machinery to accomplish packaging operations. Administrative activities involve the establishment of quality control functions to be used to meet materiel-processing requirements, and processing forms used in the packaging, warehousing, and transportation operations. Packaging specialists are required to know or be familiar with all State, Federal, and Department of Defense regulations governing the preparation and transportation of all classes of material (to include the preparation of associated forms and certifications) for shipment by contract carrier.

b. Requirements/Prerequisites

(1) Must possess a GT score of 80 or higher.

(2) Complete the Basic Preservation and Packaging Course at MCSSS, Camp Lejeune, NC.

(3) Complete the Packaging Technology and Administration Courses at the School of Military Packaging Technology, Aberdeen Proving Ground, MD. These include the Defense Vehicle Processing for Shipment or Storage Course, Defense Basic Preservation and Packaging Course, Defense Packaging of Hazardous Materials for Transportation Course, and the Defense Marking for Shipping and Storage Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.73, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Woodworking Shop Hand 769.687-054.

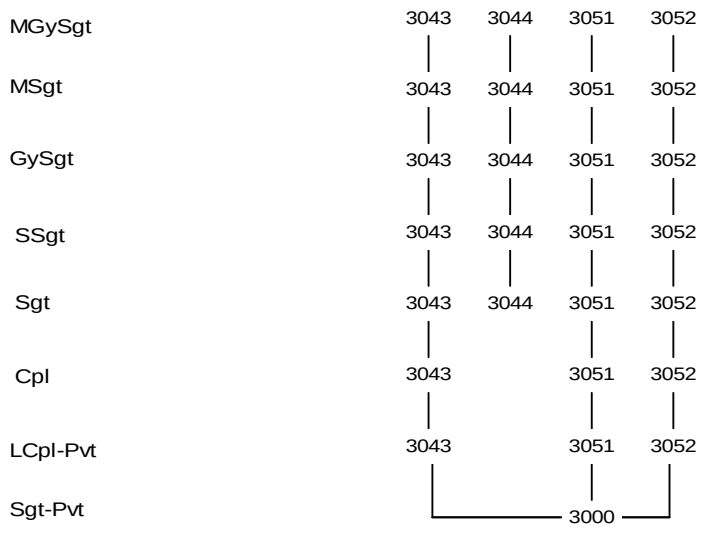
(2) Packaging Machine Tenders 920.685-078.

(3) Painting Machine Operators 599.685-074.

(4) Material Scheduler 012.167-082.

(5) Warehouse Supervisors 929.137-022.

e. Related Military Skill. None.



MOS	TITLE
3000	Basic Supply Administration and Operations Marine
3043	Supply Administration and Operations Clerk
3044	Contract Specialist
3051	Warehouse Clerk
3052	Packaging Specialist

FIGURE 3-15.--Supply Administration and Operations Career Structure Chart

MOS 3043, Supply Administration and Operations Marine

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		ESIDC* Enlisted Supply Chiefs Course	**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG **Non-FMF Duty:** Jt Staffs/ DLA/HQMC/ MCLBs/MCBs
MSgt		ESIDC* Enlisted Supply Chiefs Course Small Purchase Procedures**	**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG **Non-FMF Duty:** Jt Staffs/ DLA/HQMC/ MCLBs/MCRDs/ MCBs/MCDs/I-I**
GySgt			**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG/Regt/ MAG/MEU/SRIG/Bn **Non-FMF Duty:** Jt Staffs/ DLA/HQMC/ MCLBs/MCRDs/ MCBs/MCDs/I-I**
SSgt		Enlisted Supply Chiefs Course Enlisted Supply NCO Course Small Purchase Procedures**	**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG/Regt/MAG/ MEU/SRIG/Bn **Non-FMF Duty:** Jt Staffs/ DLA/HQMC/ MCLBs/MCASs MCBs/RS/I-I**/ MCSF Bn**/ MARCORSYSCOM

FIGURE 3-15.--Supply Administration and Operations Career Structure Chart

Sgt		ESIDC* Enlisted Supply NCO Course	**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG/Regt/MAG/ MEU/SRIG/Bn **Non-FMF Duty:** MCLBs/MCBs/ MCDs/RS/I-I/ MCSF Bn/MCSF Co
Cpl	Enlisted Supply Basic Course		**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/FSSG/ Regt/MAG/MEU/ SRIG/Bn **Non-FMF Duty:** MCLBs/MCBs/ MCASs/MCSF Bn
LCpl-Pvt	Enlisted Supply Basic Course		**FMF Duty:** MEF/Div HQ/MAW/ FSSG/Regt/MAG/ MEU/SRIG/Bn **Non-FMF Duty:** MCBs/MCASs

* ESIDC denotes Enlisted Supply Independent Duty Course. Attendance is recommended within 6 months of assignment to independent duty.

** Small Purchases Procedures. Attendance required by all individuals ordered to independent duty.

MOS 3044, Contract Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	LEVEL III	ACQ 202 CON 234 CON 237 Courses toward Certification in a subsidiary career field minimum 24-Semester credit hours in business	**FMF Duty:** None **Non-FMF Duty:** HQMC (LB)/MCLC Albany/MCBs

FIGURE 3-15.--Supply Administration and Operations Career Structure Chart

MSgt	LEVEL III	ACQ 101 CON 234 CON 237 Courses toward certification in a subsidiary career field minimum 24-semester credit hours in business	**FMF Duty:** None **Non-FMF Duty:** HQMC (lb)/MCBs/ MCRD PISC/HQ MARFORRES/ MCSA KC
GySgt	LEVEL II	ACQ 101 CON 234 CON 237 Courses toward certification in a subsidiary career field minimum 24 semester credit hours in business	**FMF Duty:** FSSGs **Non-FMF Duty:** HQMC (LB)/MCBs/ MCLC/MCRD PISC/ HQ MARFORRES/ MARFORLANT/HQ 4th MEB
SSgt	LEVEL II	ACQ 101 CON 234 CON 237 Courses toward certification in a subsidiary career field minimum 24-semester credit hours in business	**FMF Duty:** FSSGs **Non-FMF Duty:** HQMC (LB)/MCBs/ MCLC/MCRD PISC/ EWTGLANT/ HQMC (AR)/HQ MARFOREUR/MCMWTC/ Henderson Hall
Sgt	LEVEL I	ACQ 101 CON 234 CON 237 Courses toward certification in a subsidiary career field minimum 24-semester credit hours in business	**FMF Duty:** FSSGs **Non-FMF Duty:** HQMC (LB)/MCBs/ MCLC/MCRD PISC/ HQ MARFORRES/ HQ MARFORLANT/HQ 4TH MEB/MARFORPAC/ MARFORSOU/BIC/ MATSG PENSACOLA/ CBIRF

FIGURE 3-15.--Supply Administration and Operations Career Structure Chart

MOS 3051, Warehouse Clerk

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	Enlisted Warehousing Intermediate Course		**FMF Duty:** FSSG **Non-FMF Duty:** DLA/MCLBs/ MCBs
MSgt	Enlisted Warehousing Intermediate Course	Defense Vehicle Processing for Shipment and Storage Defense Marking for Shipment and Storage	**FMF Duty:** FSSG **Non-FMF Duty:** DLA/MCLBs MCBs
GySgt	Enlisted Warehousing Intermediate Course	Defense Vehicle Processing for Shipment and Storage	**FMF Duty:** FSSG/Div HQ/MAW/ SRIG **Non-FMF Duty:** DLA/MCLBs/ MCBs
SSgt	Enlisted Warehousing Intermediate Course	Defense Vehicle Processing for Shipment and Storage Defense Marking for for Shipment and Storage	**FMF Duty:** Div HQ/MAW/ FSSG/SRIG **Non-FMF Duty:** DLA/MCLBs/ MCBs/I-I/ MCRDs/MCASs
Sgt	Enlisted Warehouse Basic Course	Defense Marking Shipment and Storage	**FMF Duty:** Div HQ/MAW/ FSSG **Non-FMF Duty:** MCLBs/MCBs/ I-I/MCRDs/ MCASs
Cpl	Enlisted Warehouse Basic Course		**FMF Duty:** Div HQ/MAW/ FSSG **Non-FMF Duty:** MCLBs/MCBs/ MCRDs/MCASs
Pvt PFC LCpl	Enlisted Warehouse Basic Basic Course MHE Operations Course (10k and below forklifts)		**FMF Duty:** Div HQ/MAW/ FSSG **Non-FMF Duty:** MCLBs/MCBs/ MCASs/MCRDs

FIGURE 3-15.--Supply Administration and Operations Career Structure Chart

MOS 3052, Packaging Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt-MSgt		Defense Advanced Preservation and Packaging Course Defense Packaging of Hazardous Materials for Transportation Course (Refresher)	**FMF Duty:** FSSG **Non-FMF Duty:** Jt Staffs/MCLBs/ MCBs
GySgt		Defense Packaging Course Defense Advance Preservation and Packaging Course Defense Packaging of Hazardous Materials for Transportation Course (Refresher)	**FMF Duty:** FSSG **Non-FMF Duty:** Jt Staffs/ MCLBs/MCBs/ I-I
SSgt		Defense Packaging of Hazardous Materials for Transportation Course (Refresher) Packaging Instructor Training	**FMF Duty:** FSSG **Non-FMF Duty:** Jt Staffs/ MCLBs/MCBs/ I-I
Sgt		Defense Packaging of Hazardous Materials for Transportation Course (Refresher) Defense Packing and Utilization Course	**FMF Duty:** FSSG/MAW **Non-FMF Duty:** MCLBs/MCBs/ I-I
Cpl		Defense Preservation and Intermediate Protection Course Defense Packaging of Hazardous Material for Transportation Course	**FMF Duty:** FSSG/MAW **Non-FMF Duty:** MCLBs/MCBs

FIGURE 3-15.--Supply Administration and Operations Career Structure Chart

Pvt PFC LCpl	Basic Preservation and Packaging Course	Defense Vehicle Processing for Shipment and Storage Course Defense Basic Preservation and Packaging Course Defense Marking for Shipment and Storage Course Defense Packaging Data System Course Hazardous Materials Handling Course	**FMF Duty**: FSSG/MAW **Non-FMF Duty**: MCLBs/MCBs

FIGURE 3-15.--Supply Administration and Operations Career Structure Chart

3123. **OCCUPATIONAL FIELD 31, TRAFFIC MANAGEMENT**

1. Introduction. The traffic management OccFld includes the procurement/ acquisition of DoD or commercial transportation resources for the movement of personnel, equipment, supplies and personal property via air, bus, rail, truck, and water. Qualifications include familiarity with transport equipment and related limitations, commercial and DoD transportation system, transportation procurement procedures and preparation of procurement and tracking documents. This includes a comprehensive understanding of commercial carriers tariffs, United States/foreign government rules and regulations applicable to the movement of personnel and material in domestic and foreign transport.

2. MOS 3112, Traffic Management Specialist (MGySgt to Pvt)

a. Summary. MOS 3112 encompasses broad transportation responsibilities. TM specialist use numerous Federal, DoD and service regulations, the Defense Transportation System (DTS), commercial modes of transportation, and distribution logistic functions to enable optimal selection and procurement of commercial and government-operated land, air, and water transportation services. They use a variety of automated systems in the performance of their duties. Warehousing, marine, rail, motor and air terminal operations, materials handling, packing, packaging, preservation, and hazardous materials handling functions are performed daily. Traffic management specialists perform technical traffic management duties pertaining to movement of civilian and military personnel and their dependents, both individually and in groups, using any or all modes of transportation. This includes planning for troop movements via scheduled service or special train or charter air and bus, as well as port calls for overseas travel. The specialists perform personal property counseling interviews and advise members and dependents of their personal property shipping entitlements. The specialist performs additional duties and tasks at military air terminals for airfreight and passenger movements. This includes preparation of all freight shipment documents for manifesting of military air cargo and passengers aboard Government and commercial aircraft. MOS 3112 Marines within the FSSGs must be trained to perform in theater sustainment receiving, shipping, and distribution functions. Base/Station 3112 Marines perform deployment support functions relating to origin to POE via commercial modes. Within the LMCC, 3112 Marines performs functions related to the mission of the LMCC, to include container control and inspection functions, blocking and bracing of rail and truck shipments.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Civilian motor vehicle operator's license.

(3) Attend the Traffic Management Coordinator Course (A08TNA1), Ft Eustis, VA.

(4) Staff sergeants and above must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.41, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Shipping and Receiving Clerk 222.387-050.

(2) Travel Clerk 238.167-010.

e. Related Military Skill

(1) Logistics/Embarkation and Combat Service Support Specialist, 0431.

(2) Combat Service Support Chief, 0491.

(3) Administrative Clerk, 0151.

(4) Packaging Specialist, 3052.

MGySgt	3112
MSgt	3112
GySgt	3112
SSgt	3112
Sgt	3112
Cpl	3112
LCpl-Pvt	3112
SSgt-Pvt	3100

MOS	TITLE
3100	Basic Traffic Management Marine
3112	Traffic Management Specialist

FIGURE 3-16.—Traffic Management Career Structure Chart

MOS 3112, Traffic Management Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt/ MSgt		Defense Advance Traffic Management Mobility Warrant Officer Basic	**FMF Duty:** MAW/FSSG **Non-FMF Duty:** HQMC/MCCDC/ MCAGCC/MCB
GySgt		Air Deployment Planning Strategic Deployment Installation Management	**FMF Duty:** MAW/FSSG **Non-FMF Duty:** HQMC/MCCDC/ MCAS/ MCAGCC/MCB
SSgt		#Airlift of Hazardous Material #Recertification of Hazmat	**FMF Duty:** MAW/FSSG/ **Non-FMF Duty:** HQMC/MCCDC/ MCAS/ MCAGCC/MCB
Sgt		Passenger Travel Specialist #Naval Motor Vehicle and Rail Inspection #Transportation and Storage of Hazardous Material MILSTAMP/OS&D Procedures Course	**FMF Duty:** MAW/FSSG **Non-FMF Duty:** HQMC/MCCDC/MCAS/ MCAGCC/MCB
Cpl		Global Transportation Network (GTN) User's Basic Joint Personal Property	**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
LCpl-Pvt	#Traffic Management Coordinator Course	#Basic Freight Traffic #ADO Orientation	FMF Duty: FSSG **Non-FMF Duty:** MCB/MCAS

The certification provided in these courses is for 2 years and must be renewed within the appropriate time frame.

FIGURE 3-16.—Traffic Management Career Structure Chart

3124. **OCCUPATIONAL FIELD 33, FOOD SERVICE**

1. Introduction. The food service OccFld includes the acquisition of food, supplies, and equipment; menu and recipe planning; meal preparation and serving; sanitation; operation and management of facilities and personnel; training; and accounting and reporting functions for garrison and field operations. Qualifications required include basic skills in math and reading, ability to follow recipes, and the ability to work closely with others. The duties involve technical, administrative, and managerial skills. Food service personnel will be required to learn garrison and field food preparation and serving procedures, recipe conversion, preparation and use of food service administrative forms, quality assurance surveillance procedures for food processing, mess hall operations, and storage facilities, and methods of cooking food and preparing desserts and beverages by using recipes/formulas. Formal schooling is provided to Marines entering the food service field. Types of entry-level jobs available include work as a food service specialist, and baker. The opportunity to participate in a formal apprenticeship program leading to receipt of a Department of Labor Certificate of Apprenticeship Completion may be available within OccFld 33. Specific information concerning this program can be obtained from local education offices. Billets available in the OccFld range from duty with operating forces and supporting establishment. Marines entering this OccFld will receive MOS 3300, Basic Food Service Marine. They will participate in routine food service functions while training for MOS 3381, Food Service Specialist.

2. MOS 3372, Marine Aide (MGySgt to Sgt)*

a. Summary. Marine aides are authorized for the purpose of relieving general and flag officers of those minor tasks and details that if performed by the officer, would be at the expense of the officer's primary military and official duties. The duties of these enlisted personnel shall be concerned with tasks relating to the military and official responsibilities of officers, to include assisting general and flag officers in discharging their official DoD social responsibilities in their assigned positions. The propriety of such duties is governed by the official purpose that they serve rather than the nature of the duties. Marine aides may be tasked to assist with the care, cleanliness and order of assigned quarters, uniforms and military personal equipment; perform as point of contact in the officer's quarters; assist in planning, preparing, and conducting official social functions; assist in purchasing, preparing, and serving food and beverages in the officer's assigned quarters; and accomplish tasks which aid the officer in performing his military and official responsibilities, including providing security for the quarters and providing administrative assistance. This MOS is to be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Holds primary MOS 3381.

(3) Complete the Food Service NCO Course at the corporal level, and the Food Service SNCO Course at the staff sergeant level. Prior to assignment to a general officer, must attend Advanced Culinary and Skills Training Course.

(4) Must be a minimum of 21 years of age.

(5) Does not have a record of offenses, indebtedness, or chronic domestic problems.

(6) Must, at a minimum, hold the rank of sergeant.

(7) Must be a volunteer only.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.72, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Cook 305.281-010.

(2) Butler 309.674-010.

e. Related Military Skill. Food Service Specialist, 3381.

3. MOS 3381, Food Service Specialist (MGySgt to Pvt)

a. Summary. Food service specialists function in the garrison and field environment in every aspect of food preparation, administration, procurement, storage, distribution, to include funding, requisitioning, purchasing, receiving, accounting, and storing subsistence supplies required for troop consumption and/or for resale activities, units, and organizations, cooking, baking, and serving. Additionally, they perform quality assurance surveillance of food service contracts. Typical duties are preparing fruits and vegetables, meat, fish and poultry for cooking, seasoning food, baking of bread and pastry products; verify incoming shipments, prepare reports of supplies received, prepare, edit, and consolidate back-orders for subsistence stores and quality assurance evaluations. The most senior grades act as an administrative assistant to the Food Service Officer/Food Service Operations Officer and Contracting Officers Representative to the Installation Contracting Office.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Complete the Basic Food Services Course or complete a minimum of 6 months OJT as a Food Service Specialist for initial MOS award, the Food Service NCO Course at the corporal level, the SNCO Course at the staff sergeant level, and the Senior Food Service Course at the master sergeant level. All courses are taught at the U.S. Army Quartermaster School, Fort Lee, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.72, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Stock Clerk 222.387-058

(2) Inventory Clerk 222.387-026

(3) Chef 313.131-014.

(4) Cook, Head, School Cafeteria 313.131-018.

(5) Baker 313.381-010.

e. Related Military Skill

(1) Warehouse Clerk, 3051.

(2) Supply Administration and Operations Clerk, 3043.

(3) Marine Aide, 3372.

MGySgt	3381	3372*
MSgt	3381	3372*
GySgt	3381	3372*
SSgt	3381	3372*
Sgt	3381	3372*
Cpl	3381	
LCpl-Pvt	3381	
GySgt-Pvt	3300	

* Identifies Skill Designator MOS only.

MOS	TITLE
3300	Basic Food Service Marine
*3372	Marine Aide
3381	Food Service Specialist

FIGURE 3-17.--Food Service Career Structure Chart

MOS 3372, Marine Aide

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	Food Service Senior Course Advanced Culinary Skills Training Course		**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG **Non-FMF Duty:** MCLBs/MCBs MCRDs/MCAS
MSgt	Food Service Senior Course Advanced Culinary Skills Training Course		**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG **Non-FMF Duty:** MCLBs/MCRDs/ MCBs/MCAS MCDs
GySgt	Food Service Staff Noncommissioned Officer Course Advanced Culinary Skills Training Course		**FMF Duty:** MARFOR HQ/MEF/Div HQ/ MAW/FSSG/Regt/ MEU/SRIG/Bn **Non-FMF Duty:** MCLBs/MCRDs/ MCBs/MCAS MCDs
SSgt	Professional Cook Skills Culinary Institute, Hyde Park, NY Food Service SNCO Course Advanced Culinary Skills Training		**FMF Duty:** MARFOR HQ/MEF/Div HQ/ MAW/FSSG/Regt/ MAG/MEU/SRIG/ Bn **Non-FMF Duty:** MCLBs/MCRDs/ MCBs/MCDs/ MCAS/MCFS Bns
Sgt	Food Service Noncommissioned Officer Course Advanced Culinary Skills Training Course		**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG/Regt/MAG/ MEU/SRIG/Bn **Non-FMF Duty:** MCLBs/MCRDs/ MCBs/MCDs/ MCAS/

FIGURE 3-17.--Food Service Career Structure Chart

MOS 3381, Food Service Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	Food Service Senior Course		**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG **Non-FMF Duty:** MCBs/MCRDs/ MCDs/MCAS
MSgt	Food Service Senior Course		**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG **Non-FMF Duty:** MCRD/MCB/ MCD/MCAS
GySgt	Food Service Staff Noncommissioned Officer Course		**FMF Duty:** MARFOR HQ/ MEF/Div HQ/ MAW/FSSG/ Regt/MEU/Bn **Non-FMF Duty:** MCRD/MCB/ MCD/MCAS
SSgt	Food Service Noncommissioned Officer Course		**FMF Duty:** MARFOR HQ/MEF/Div HQ/ MAW/FSSG/Regt/ MAG/MEU/Bn **Non-FMF Duty:** MCRD/MCB/ MCD/MCAS
Sgt	Food Service Noncommissioned Officer Course		**FMF Duty:** MARFOR HQ/ MEF/Div HQ/ MAW/FSSG/Regt/ MAG/MEU/Bn **Non-FMF Duty:** MCRD/MCB/ MCD/MCAS
Cpl	Food Service Noncommissioned Officer Course		**FMF Duty:** MARFOR HQ/ MEF/Div HQ MAW/FSSG/Regt/ MAG/MEU/Bn **Non-FMF Duty:** MCRD/MCB/ MCD/MCAS

FIGURE 3-17.--Food Service Career Structure Chart

Pvt-LCpl	Basic Food Service Course	**FMF Duty:** None **Non-FMF Duty:** MCRD/MCB/ MCAS

FIGURE 3-17.--Food Service Career Structure Chart

3125. **OCCUPATIONAL FIELD 34, FINANCIAL MANAGEMENT**

1. Introduction. The Financial Management OccFld encompasses the functions of auditing, finance, and fiscal/budget which are developed to ensure the continuing quality of the financial management process and to safeguard public funds, both appropriated and non-appropriated. Personnel serving in the OccFld assist and support the commander in the execution of the responsibilities, both command and legal, that relate to financial administration. Qualifications required include skills involving the disbursement of public funds, budget development and execution, managerial accounting, reporting, resource evaluation and analysis, and auditing. Formal schooling is provided to Marines entering the OccFld as Finance and Fiscal/Budget Technicians. Types of entry-level jobs available include work in finance, managerial accounting, and comptroller offices in the operating forces and the post and station activities. They perform routine duties incident to the preparation of financial records, travel vouchers, processing of public vouchers for payment and the maintenance of internal controls. Entry level as audit technicians is normally at the grade of sergeant with job assignments with non-appropriated fund instrumentality audit office at post and station activities.

2. MOS 3432, Finance Technician (MGySgt to Pvt)

a. Summary. Finance technicians perform the duties associated with the maintenance, review, payments processing of master pay accounts, and the fiscal accounting supporting the transactions. Finance technicians also perform duties incident to the adjudication, computation, review, and payment of vouchers of reimbursement for official travel. Finance technician staff NCOs supervise subordinates working in master pay accounts and/or official travel payment functions. Finance technicians may be assigned to finance offices in either the operating forces or the shore establishment. Marines serving as finance technicians must have a fundamental understanding of related computer system applications.

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Complete the Basic Finance Technician Course, given by the Financial Management School, MCB Camp Lejeune, NC.

(3) Secret security clearance may be required based on billet assigned.

(4) No convictions by court-martial, civilian courts, or nonjudicial punishment of any act involving larceny or theft.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.75, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Payroll Clerk 215.482-010.

(2) Payroll Clerk Chief 215.137-014.

(3) Accountant 160.167-010.

e. Related Military Skill. Fiscal/Budget Technician, MOS 3451.

3. MOS 3441, NAF Audit Technician (MGySgt to Sgt)

a. Summary. Nonappropriated fund (NAF) auditors work on all matters related to the audit of Marine Corps NAFIs. Marines in this MOS must have the ability to work independently and act objectively. As NAF auditors, duties require the ability to apply generally accepted Government auditing standards when performing and supervising internal audits of NAF records, procedures, and internal control systems. Audits are performed at the duty station assigned and may require extensive TAD travel to other Marine Corps commands throughout the world.

b. Requirements/Prerequisites

(1) Must be a sergeant or staff sergeant.

(2) Must possess a GT score of 110 or higher.

(3) Must have completed 12 semester hours of a combination of accounting or business-related courses from an accredited college or university. The courses accepted include: principles of accounting I and II; intermediate accounting I and II; cost accounting; auditing; business law I and II; and managerial accounting.

(4) Must possess an associate degree, or equivalent, from an accredited college/university in an accounting, finance, or business related discipline that includes a minimum of 12 semester hours of accounting.

(5) Must have a general aptitude for computers.

(6) Must have excellent communicative skills, both verbally and in writing.

(7) If necessary, undergo a two-phase evaluation and training program as follows:

(a) Phase I

1 Lateral move personnel and personnel requesting redesignation, who have not been assigned to a MCNAFAS Regional Office for 2 years, must complete a 2 year monitored OJT program structured to provide basic audit skills and indoctrinate Marines in audit policies and procedures. The first 6 months of this phase serves as a screening and evaluation period after which MOS 3441 will be assigned if the Marine is considered capable of learning the necessary skills to learn and objectively apply generally accepted accounting principles and generally accepted Government auditing standards.

2 If after the Marine is assigned the 3441 MOS and is found unacceptable within the first 24 months of being assigned to a MCNAFAS regional office, the Regional Director can administratively drop the Marine from MOS 3441. Unless dropped for cause, this should not be a detriment to the Marine's career, due to the fact that some people do not have the aptitude or personality to be an auditor.

(b) Phase II

1 Phase II training encompasses two areas of academic development. The first is for those Marines not possessing the necessary education to qualify under the Office of Personnel Management (OPM) GS-511 auditor education standards and the second is for those Marines selected for specialized training.

2 Marines not qualifying under the OPM GS-511 auditor series after Phase I of training may be assigned to attend appropriate college or university courses. This determination will be made by the Director, MCNAFAS. The length depends upon the individual Marine's qualifications. Prior to assignment to the college or university, the Marine must have a minimum of 36 months of obligated service. Marines not agreeing to meet the obligated service requirements will not be retained in MOS 3441.

3 Marines selected for specialized training may be assigned to college, university, or technical schools. The length of this training will depend on the needs of MCNAFAS and the qualifications of the individual Marine. This training will normally not exceed 1 year in length. Prior to assignment to the school the Marine must be GS-511 qualified and agree to 24 months of obligated service for each year or part thereof necessary to complete the training. Marines not agreeing to meet the obligated service requirements will not be assigned to specialized training.

(8) Personnel lateral moving into this MOS will be assigned MOS 3400. Personnel requesting redesignation to MOS 3441 through the MOS reclassification board will be assigned MOS 3400. Additionally, all personnel requesting lateral moves or redesignation must be interviewed by the applicable Marine Corps Nonappropriated Fund Audit Service (MCNAFAS) Regional Director. After completion of a 6-month screening and evaluation program and upon the recommendation of the MCNAFAS Regional Director, these personnel will be assigned MOS 3441. Personnel assigned to a MCNAFAS regional office, after completion of the College Degree Program for a period of 3 years, who request redesignation to MOS 3441, will be redesignated upon their recommendation of the regional director and concurrence of Director, MCNAFAS.

(9) MOS 3441 will be assigned and voided by the authority of CMC (MMEA) when recommended by the CMC (MCNAFAS). The only exception is local commanders, upon the recommendation of the MCNAFAS Regional Director, may assign MOS 3441 for Marines with MOS 3400 who have lateral moved or Marines with MOS 3400 who requested redesignation and have successfully completed the first 6 months of Phase I Training. This exception is allowed since the Marine was previously screened by the CMC (MMEA) and CMC (MCNAFAS) prior to assignment of MOS 3400. SEP Personnel requesting a change of MOS must submit an Administrative Action Request through the CMC (MMEA) and the Enlisted College Graduate Classification and Assignment Board.

(10) Must possess a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.75, Individual Training Standards.

d. Related DOT Classification/DOT Code. Internal Auditor 160-167-034.

4. MOS 3451, Fiscal/Budget Technician (MGySgt to Pvt)

a. Summary. Fiscal/Budget technicians perform accounting, budgeting, and related financial management duties for appropriated funds supporting the operating forces and the shore establishment. Accounting duties specifically pertain to maintenance and reconciliation of official accounting records; general ledger control and preparation of official accounting reports; and related cost accounting, fiscal analysis and oversight duties typically performed by accounting organizations. Fiscal/Budget technicians perform duties specifically pertaining to the compilation of data and estimates to support budget formulation; analysis of variances between budget plan and actual budget execution; and related budget

analysis and oversight duties typically performed by budget organizations. Other fiscal management duties may encompass a broad range of related duties that include recording financial transactions; compilation and review of data to support fund administration and program analysis; preparation of financial progress reports and statistics; and duties supporting command analysis and review functions to identify instances of fraud, waste and abuse of resources. All of the above duties require a fundamental understanding of related computer system applications.

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Complete the Fiscal/Budget Technician Course, given by the Financial Management School, MCB Camp Lejeune, NC.

(3) Secret security clearance may be required based on billet assigned.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.75, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Accounting Clerk 216.482-010.

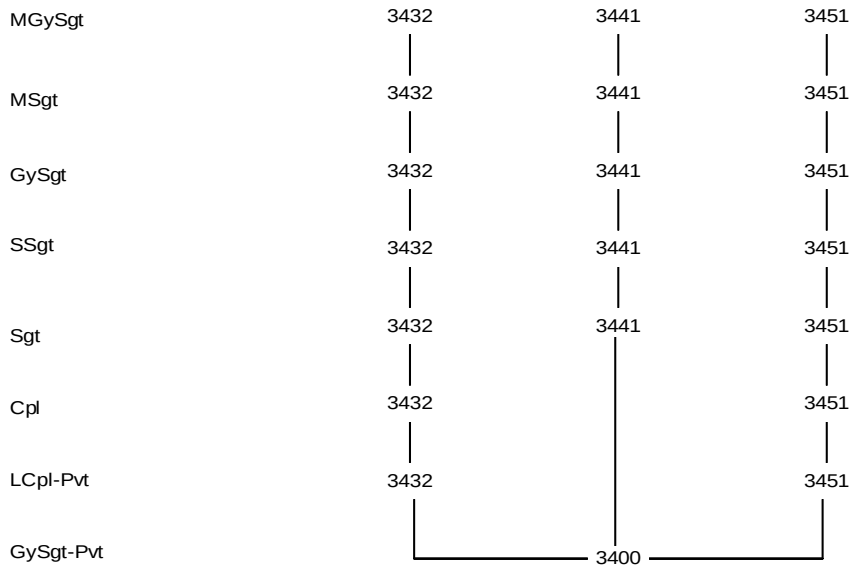
(2) Bookkeeper 210.382-014.

(3) Accountant 160.167.010.

e. Related Military Skill

(1) Finance Technician, MOS 3432.

(2) Supply Administration and Operations Clerk, MOS 3043.



MOS	TITLE
3400	Basic Financial Management Marine
3432	Finance Technician
3441	NAF Audit Technician
3451	Fiscal/Budget Technician

FIGURE 3-18.--Financial Management Career Structure Chart

MOS 3432, Finance Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MEU/MAW/FSSG/ MARFOR HQ **Non-FMF Duty:** MCSA/DFAS/HQMC/ Base/Station
MSgt			**FMF Duty:** MEU/MAW/FSSG MARFOR HQ **Non-FMF Duty:** MCSA/DFAS/HQMC/ Base/Station
GySgt			**FMF Duty:** MEU/MAW/FSSG/ MARFOR HQ **Non-FMF Duty:** MCSA/DFAS/HQMC/ Base/Station/ Instructor FMS
SSgt			**FMF Duty:** MEU/MAW/FSSG/ MARFOR HQ **Non-FMF Duty:** MCSA/DFAS/HQMC/ Base/Station/ Instructor FMS
Sgt		Advanced Finance Course	**FMF Duty:** MEU/MAW/FSSG/ MARFOR HQ **Non-FMF Duty:** MCSA/DFAS/HQMC/ Base/Station
Cpl		Basic Pay Entitlements MCI 34.21	**FMF Duty:** MEU/MAW/FSSG/ MARFOR HQ **Non-FMF Duty:** MCSA/DFAS/HQMC/ Base/Station

FIGURE 3-18.--Financial Management Career Structure Chart

Pvt/ LCpl	Basic Finance Technician Course	Basic Pay Entitlements MCI 34.21	**FMF Duty:** MEU/MAW/FSSG/ MARFOR HQ **Non-FMF Duty:** MCSA/DFAS/HQMC/ Base/Station

MOS 3441, NAF Audit Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt/ GySgt	24 semester hours of Accounting, NCOIC and Audit Chief must meet the OPM Auditing Series GS-511 qualifi- cations.	80 Hours of CPE every 2 years, minimum of 20 hours each year. 24 of the required 80 hours must be job related.	MCNAFAS Region Offices: NCOIC Sr. Audit Chief, Audit Chief, Audit Tech., NAF Specialist.
SSgt/ Sgt	Associate Degree in Accounting, Business or Finance to include a minimum of 12 semester hours of accounting	80 hours of CPE every 2 years, minimum of 20 hours each year. 24 of the required 80 hours must be job related.	MCNAFAS Region Offices: Audit Tech, NAF Specialist.

MOS 3451, Fiscal/Budget Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Field Budget Formulation MCI 34.12 Financial Management MCI 34.14	**FMF Duty:** MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ **Non-FMF Duty:** HQMC/DFAS/ Base/Station/ Instructor FMS
MSgt		Field Budget Formulation MCI 34.12 Financial Management MCI 34.14	**FMF Duty:** MEU/MEF/Div HQ/MAW FSSG/MARFOR HQ **Non-FMF Duty:** HQMC/DFAS/Base/ Station/Instructor FMS

FIGURE 3-18.--Financial Management Career Structure Chart

GySgt		Field Budget Formulation MCI 34.12 Financial Management MCI 34.14	**FMF Duty:** MEU/MEF/Div HQ/MAW/ FSSG/MARFOR HQ **Non-FMF Duty:** HQMC/DFAS/Base/ Station/Instructor FMS/District HQs
SSgt		Field Budget Formulation MCI 34.12 Financial Management MCI 34.14 Financial Management Career Course	**FMF Duty:** MEU/MEF/Div HQ/MAW/ FSSG/MARFOR HQ **Non-FMF Duty:** HQMC/DFAS/Base/ Station/Instructor FMS
Sgt		Financial Management Career Course	**FMF Duty:** MEU/MEF/Div HQ/MAW/ FSSG/MARFOR HQ **Non-FMF Duty:** HQMC/DFAS/Base/ Station
Cpl			**FMF Duty:** MEU/MEF/Div HQ/MAW/ FSSG/MARFOR HQ **Non-FMF Duty:** HQMC/DFAS/ Base/Station
Pvt-LCpl	Fiscal/Budget Technician Course	Introduction to Marine Corps Accounting Course MCI 34.10	**FMF Duty:** MEU/MEF/Div HQ/MAW/ FSSG/MARFOR HQ **Non-FMF Duty:** HQMC/DFAS/ Base/Station

FIGURE 3-18.--Financial Management Career Structure Chart

3126. **OCCUPATIONAL FIELD 35, MOTOR TRANSPORT**

1. Introduction. The motor transport OccFld includes the operations and maintenance functions within the tactical and commercial motor vehicle services. Qualifications required include driving and maintenance skills of automotive vehicles and the ability to work closely with others. The duties require hard technical skills supplemented by administrative and managerial skills. Motor transport Marines will be required to learn vehicle operator and maintenance procedures, personnel and operations management techniques, preparation of orders and directives, and record keeping procedures. Formal schooling and standardized training is provided to Marines entering the OccFld. Types of entry-level jobs available include work as a light or heavy vehicle operator and organizational or intermediate maintenance mechanic. There is a wide variety of billets available in the OccFld ranging from duty at all staff levels of the division, wing, and force service support group to the opportunity to serve in smaller organizations/units. Marines entering this OccFld will receive MOS 3500, Basic Motor Transport Marine. Request for waivers of requirements/prerequisites should be directed to the MOS 3500 Specialist, I&L Department, Code LPM, Headquarters Marine Corps.

2. MOS 3521, Automotive Organizational Mechanic (Sgt to Pvt)

a. Summary. The automotive organizational mechanic services, inspects, maintains, and repairs motor transport equipment.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete the Automotive Organizational Maintenance Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Automobile Service Station Mechanic 620.261-030.

(2) Electrician, Automotive 825.281-022.

e. Related Military Skill

(1) Engineer Equipment Mechanic, 1341.

(2) Automotive Organizational Mechanic, 3521.

(3) Aircraft Maintenance GSE Electrician, 6077.

3. MOS 3522, Automotive Intermediate Mechanic (Sgt to LCpl)*

a. Summary. The automotive intermediate mechanic rebuilds automotive components of tactical transport equipment at the fourth echelon of maintenance. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must hold MOS 3521 as a primary MOS and have 6 months experience as MOS 3521.

(2) Complete the Automotive Intermediate Maintenance Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code. Automobile Mechanic 620.261-010.

e. Related Military Skill

(1) Engineer Equipment Mechanic, 1341.

(2) Automotive Organizational Mechanic, 3521.

(3) Fuel and Electrical Systems Mechanic, 3524.

4. MOS 3524, Fuel and Electrical Systems Mechanic (Sgt to LCpl)*

a. Summary. The fuel and electrical systems mechanic provides intermediate level maintenance of fuel, electrical, air induction, and brake system components. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must hold MOS 3521 as a primary MOS and MOS 3522 as a skill designator. Must have 6 months experience as MOS 3522.

(2) Complete the Fuel and Electrical Systems Component Repair Course, Marine Corps Service Support School, Camp Lejeune, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Fuel-Injection Servicer 625.281-022.

(2) Electrician Automobile 825.281-022.

e. Related Military Skill

(1) Automotive Organizational Mechanic, 3521.

(2) Automotive Intermediate Mechanic, 3522.

5. MOS 3525, Crash/Fire/Rescue Vehicle Mechanic (GySgt to LCpl)*

a. Summary. Crash/Fire/Rescue vehicle mechanics inspect, service, maintain, and repair crash/fire/rescue vehicles. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(3) Possess MOS 3521, 3522, or 3529.

(2) Complete the A/S32P-19/P-19A Crash/Fire/Rescue Vehicle Maintenance Course conducted at USAF, Det 1, 345th Training Squadron, Port Hueneme, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Automobile Service Station Mechanic 620.261-030.

(2) Supervisor, Garage 620.131-014.

e. Related Military Skill

(1) Engineer Equipment Mechanic, 1341.

(2) Engineer Equipment Chief, 1349.

6. MOS 3529, Motor Transport Maintenance Chief (MGySgt to SSgt)

a. Summary. Motor transport maintenance chief supervises the maintenance, repair, and inspection of motor transport vehicles, and directs the activities of assigned enlisted personnel in a motor transport repair shop or facility. Assists the motor transport maintenance officer in all duties and tasks under his cognizance.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Completion of the Motor Transport Career Course conducted at MCCSSS, Camp Lejeune, NC. MOS 3529 may be assigned at the Commanding Officer's discretion. If the Marine is promoted to the lowest rank required for this MOS, it should be granted. Assignment of the 3529 MOS does not exempt the Marine from attendance of the Motor Transport Advanced Course.

(3) Complete the Integrated Maintenance Management Course (MGySgt and SSgt).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code. Supervisor, Garage 620.131-014.

e. Related Military Skill. Engineer Equipment Chief, 1349.

7. MOS 3531, Motor Vehicle Operator (Sgt to Pvt)

a. Summary. Motor vehicle operators operate passenger and cargo carrying wheeled vehicles (except LVS's), to include M-Series tactical vehicles to rated capacity.

b. Requirements/Prerequisites

(1) Must possess an MM score of 85 or higher.

(2) Complete the Motor Vehicle Operator Course (7T).

(3) Non-MOS qualified Reserve Marines unable to attend the regular formal school course may be certified for MOS 3531, as an AMOS-only, by the unit commander upon successful completion of the Alternate Training Instructional Program (ATIP) of the Marine Force Reserves. The ATIP for MOS 3531 Marines is found in Force Order 1535.1 and consists of core tasks to be performed to standard during MOJT at the unit prior to attending a Motor Vehicle Operator MTT. A minimum of 6-months MOJT while assigned to a 3531 billet is required.

(4) Meet the prerequisites of MCO 11240.66 and TM-11240-15/3.

(5) Must possess a valid state drivers license (with the exception of students attending the MOS producing school at the FLC, Fort Leonard Wood, MO.

(6) Past driving record evidenced by a search of the National Driver Register.

(7) Possess a U.S. Government motor vehicle operator's identification card for a M-Series 7 Ton vehicle.

(8) No more than one yes in block number 6 on the physical fitness inquiry for motor vehicle operators (OF-345) is acceptable.

(9) Must have normal color vision.

(10) Minimum height for vehicle operation is 64 inches.

(11) Maximum height for vehicle operation is 75 inches.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Truck Driver, Heavy 905.663-014.

(2) Tractor-Trailer-Truck Driver 904.383-010.

(3) Tank-Truck Driver 903.683-018.

e. Related Military Skill. Logistics Vehicle System Operator, 3533.

8. MOS 3533, Logistics Vehicle System Operator (Sgt to Pvt)

a. Summary. Logistics Vehicle System Operator operates the LVS, including all variant configurations.

b. Requirements/Prerequisites

(1) Must be qualified in MOS 3531 with 12 months experience (with the exception of students currently attending the MOS producing school at FLC, Ft Leonard Wood, MO).

(2) Maximum height for vehicle operation is 75 inches.

(3) Minimum height for vehicle operation is 64 inches.

(4) Must have completed Motor Vehicle Operator Course.

(5) Must complete the Logistics Vehicle Operator Course, Ft Leonard Wood, MO.

(6) Non-MOS qualified Reserve Marines unable to attend the regular formal school course may be certified for MOS 3533, as an AMOS-only, by the unit commander upon successful completion of the Alternate Training Instructional Program (ATIP) of the Marine Force Reserves. The ATIP for MOS 3533 Marines is found in Force Order 1535.1 and consists of core tasks to be performed to standard during MOJT at the unit prior to attending a Logistics Vehicle System Operator Course MTT. Reserve prerequisites include full qualification as MOS 3531, Motor Vehicle Operator, and a minimum of six months MOJT while assigned to a 3533 billet.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill

(1) Motor Vehicle Operator, 3531.

(2) Semitrailer Refueler Operator, 3534.

9. MOS 3534, Semitrailer Refueler Operator (Sgt to LCpl)*

a. Requirements/Prerequisites

(1) Must be qualified in MOS 3531/3533 with 12 months experience (with the exception of students currently attending the MOS producing school at FLC, Ft Leonard Wood, MO).

(2) Complete the Semitrailer Refueler Operator Course and qualify to operate semitrailer refuelers.

(3) Non-MOS qualified Reserve Marines unable to attend the regular formal school course may be certified for MOS 3534, as an AMOS-only, by the unit commander upon successful completion of the Alternate Training Instructional Program (ATIP) of the Marine Force Reserves. The ATIP for MOS 3534 Marines is found in Force Order 1535.1 and consists of core tasks to be performed to standard during MOJT at the unit prior to attending a Logistic Vehicle System Operator Course MTT. Additional Reserve prerequisites include full qualification as MOS 3531, Motor Vehicle Operator, MOS 3533, Logistics Vehicle System Operator, and a minimum of six months MOJT while assigned to a 3534 billet.

(4) Must possess a valid Physical Examination for Motor Vehicle Operation (NAVMC 10969).

(5) This MOS will be assigned as a skill designator MOS only.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

10. MOS 3536, Vehicle Recovery Operator (Sgt to Pvt)*

a. Summary. Vehicle recovery operators operate M-series and LVS wreckers in the performance of vehicle recovery, lifting, and towing operations. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must hold MOSs 3521, 3531 or 3533 with 12 months experience (with the exception of students currently attending the MOS producing school at the FLC, Ft Leonard Wood, MO). MOS 3521s must hold a valid OF-346 to operate the 5 Ton or MTVR 7 Ton.

(2) Complete the Vehicle Recovery Course, Ft Leonard Wood, MO.

(3) Possess a U.S. Government vehicle operator's identification card (OF 346).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code. Tow-Truck Operator 919.663-026.

e. Related Military Skill

(a) Automotive Organizational Mechanic, 3521.

(b) Motor Vehicle Operator, 3531.

(c) Logistics Vehicle System Operator, 3533.

(d) Semitrailer Refueler Operator, 3534.

11. MOS 3537, Motor Transport Operations Chief (MGySgt to SSgt)

a. Summary. Motor transport operations chiefs assist the motor transport officer in planning and supervision of motor transport operations, in addition to conducting investigations of motor vehicle accidents and preparing accident investigation reports.

b. Requirements/Prerequisites

(1) Must possess an MM score of 85 or higher.

(2) Completion of the Motor Transport Career Course conducted at MCCSSS, Camp Lejeune, NC. MOS 3537 may be assigned at the commander's discretion if the Marine has demonstrated proficiency in the duties and tasks identified in MCO 1510.68. Assignment of the 3537 MOS does not exempt the Marine from attendance of the Motor Transport Advanced Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Driver, Supervisor 909.137-010.

(2) Dispatcher, Motor Vehicle 249.167-014.

e. Related Military Skill. Motor Transport Maintenance Chief, 3529.

12. MOS 3538, Licensing Examiner (GySgt to Sgt)*

a. Summary. Licensing examiners conduct driver training, prepare driving ranges, and develop written tests and lesson plans. This MOS will be assigned as a skill designator MOS only.

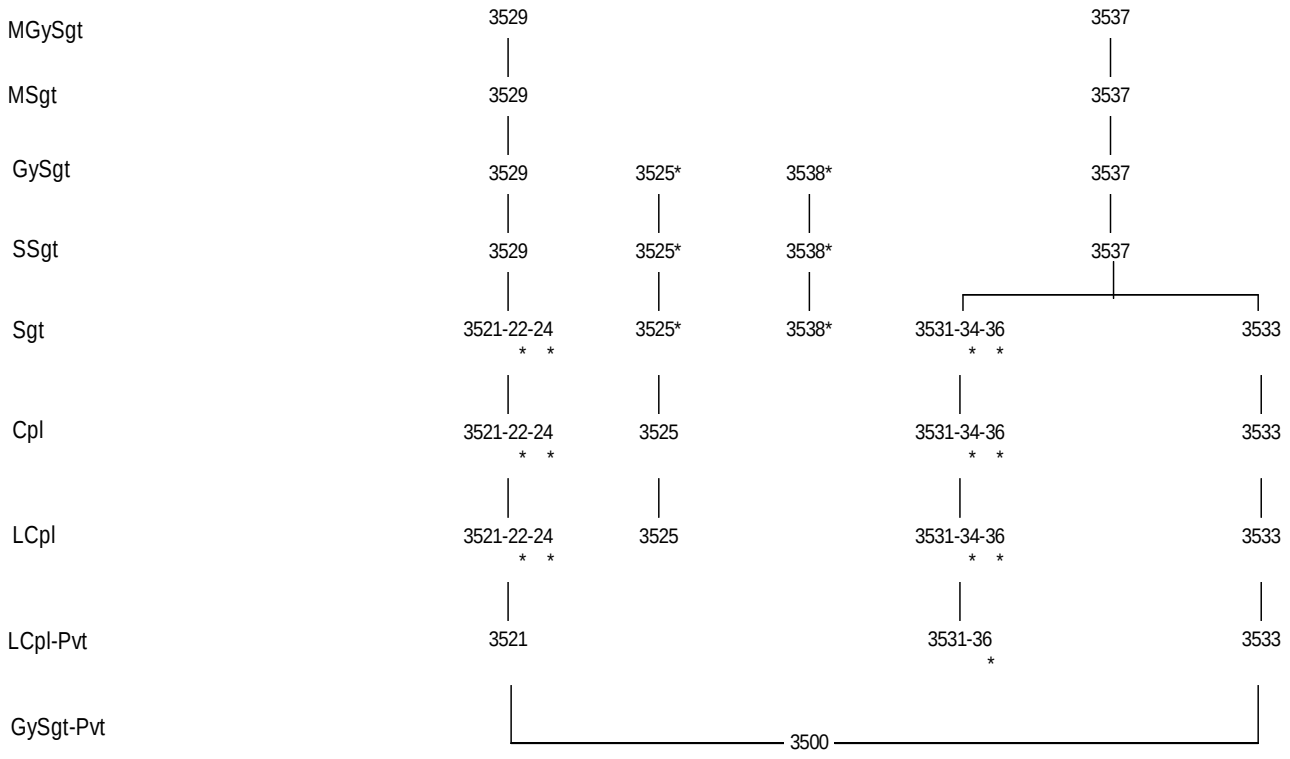
b. Requirements/Prerequisites

(1) Possess any 35XX MOS.

(2) Complete a local license examiner course or have equivalent practical experience.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.68, Individual Training Standards.

d. Related DOT Classification/DOT Code. Driver's License Examiner.



* Identifies skill designator MOS only.

MOS	TITLE
3500	Basic Motor Transport Marine
3521	Automotive Organizational Mechanic
*3522	Automotive Intermediate Mechanic
*3524	Fuel and Electrical Systems Mechanic
*3525	Crash/Fire/Rescue Vehicle Mechanic
3529	Motor Transport Maintenance Chief
3531	Motor Vehicle Operator
3533	Logistics Vehicle System Operator
*3534	Semitrailer Refueler Operator
*3536	Vehicle Recovery Operator
3537	Motor Transport Operations Chief
*3538	Licensing Examiner

FIGURE 3-19.—Motor Transport Career Structure Chart

MOS 3521, Automotive Organizational Mechanic

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB/School
Cpl			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB
LCpl			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB
LCpl-Pvt	Automotive Organizational Maintenance Course Motor Transport Career Course		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** None

MOS 3522, Automotive Intermediate Mechanic

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB/MT School
Cpl			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB
LCpl	Automotive Intermediate Maintenance Course Motor Transport Career Course		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB
LCpl-Pvt	Automotive Organizational Maintenance Course		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** None

FIGURE 3-19.—Motor Transport Career Structure Chart

MOS 3524, Fuel and Electrical Systems Mechanic

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB
Cpl	Fuel and Electrical Systems Component Repair Course		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB
LCpl	Automotive Organizational Maintenance Course		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB
LCpl-Pvt	Automotive Organizational Maintenance Course		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** None

MOS 3525, Crash/Fire/Rescue Vehicle Mechanic

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt			**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
SSgt			**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
Sgt			**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
Cpl			**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS

FIGURE 3-19.—Motor Transport Career Structure Chart

LCpl	Crash/Fire/Rescue Vehicle Maintenance Course		**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
LCpl-Pvt	Automotive Organizational Maintenance Course		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** None

MOS 3529, Motor Transport Maintenance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCSSS/FSMAO/ I&I
MSgt			**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCB/MCSSS
GySgt			**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCLB/MCB/ MCSSS/I&I
SSgt	Motor Transport Advanced Course	Maintenance Management Course	**FMF Duty:** Div HQ/FSSG **Non-FMF Duty:** MCB/MCSSS

MOS 3531, Motor Vehicle Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Motor Transport Career Course	**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCB

FIGURE 3-19.—Motor Transport Career Structure Chart

Cpl		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCB/MCB
LCpl		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCB
LCpl-Pvt	Motor Vehicle Operator Course (7T)	**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCB

MOS 3533, Logistics Vehicle System Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Motor Transport Career Course	**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCSSS
Cpl			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCSSS
LCpl			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** None
LCpl-Pvt	Motor Vehicle Operator Course (5T) Logistics Vehicle System Operator Course		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** None

FIGURE 3-19.—Motor Transport Career Structure Chart

MOS 3534, Semi-trailer Refueler Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt		Motor Transport Career Course	**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCSSS
Cpl			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCSSS
LCpl	Semitrailer Refueler Operator Course		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** None
LCpl-Pvt	Motor Vehicle Operator Course (5T)		**FMF Duty:** Div HQ/MAW/FSSG **None-FMF Duty:** None

MOS 3536, Vehicle Recovery Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt		Motor Transport Career Course	**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
SSgt		Motor Transport Advanced Course	**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
Sgt			**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS

FIGURE 3-19.—Motor Transport Career Structure Chart

Cpl		**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
LCpl	Vehicle Recovery Course	**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
LCpl-Pvt	Motor Vehicle Operator Course (5T)	**FMF Duty:** Div HQ/MAW/FSSG **None-FMF Duty:** None

MOS 3537, Motor Transport Operations Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MARFOR HQ/MEF/Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB/MCSSS/ FSMAO/I&I
MSgt			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB/MCSSS
GySgt			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCLB/MCB/MCSSS/I&I
SSgt	Motor Transport Advanced Course		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCB/MCSSS

FIGURE 3-19.—Motor Transport Career Structure Chart

MOS 3538, Licensing Examiner

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt			**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
SSgt			**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
Sgt			**FMF Duty:** MAW/FSSG **Non-FMF Duty:** MCB/MCAS
Cpl			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCB
LCpl			**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCB
LCpl-Pvt	Motor Vehicle Operator Course (5T)		**FMF Duty:** Div HQ/MAW/FSSG **Non-FMF Duty:** MCB

FIGURE 3-19.—Motor Transport Career Structure Chart

3127. **OCCUPATIONAL FIELD 40, DATA SYSTEMS**

1. Introduction. The data systems OccFld includes computer systems analysis, software design, and computer and peripheral equipment operation functions in support of Marine Corps information systems. Formal schooling is provided to Marines entering the data systems OccFld. Types of entry-level jobs available include work as a programmer or as a small systems specialist. There are a wide variety of billets available in the OccFld at divisions, wings, force service support groups, major posts and stations, and Headquarters Marine Corps. The opportunity to serve in various Category "B" jobs (MOSs 8000-9599) is also available. Marines entering this OccFld will receive MOS 4000, Basic Data Systems Marine. They will participate in routine data systems functions while training for a designated MOS within the OccFld.

2. MOS 4066, Small Computer Systems Specialist (SCSS) (MSgt to Pvt)#

a. Summary. Small computer systems specialists ensure the proper installation, configuration, and operation of stand-alone and client-server information systems. They install, operate, and maintain microcomputer and Local and Wide Area Network (LAN/WAN) systems. They configure, optimize, administer, and troubleshoot microcomputer network hardware and operating system software using Marine Corps standard network operating software and protocols. These include TCP/IP network design and installation and TCP/IP network administration. Their responsibilities include operating system and application configuration and integration of multiple information systems in a networked environment. Small computer systems specialists support a myriad of computer and network operating systems to include: UNIX, Windows New Technology (NT), Netware (IPX), and TCP/IP. These Marines also perform operating system and applications management in support of the Defense Messaging System (DMS) and the Tactical Data Network (TDN) server. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must have a GT score of 110 or higher.

(2) Complete the Small Computer Systems Specialist Course, (no longer offered at MCCES, 29 Palms, CA.

(3) Regular U.S. Marines must have two years of active duty upon completion of training.

(4) Must be a U.S. citizen.

(5) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.37_, Individual Training Standards.

d. Related DOT Classification/DOT Code. None.

#Note: This MOS is no longer being assigned.

3. MOS 4067, Programmer, ADA (MSgt to Pvt)

a. Summary. ADA programmers prepare and write ADA systems adhering to the fundamental concepts associated with software engineering. In addition, they

provide customer assistance in dealing with ADA programs, troubleshoot programs, load software, and maintain Programmer libraries.

b. Requirements/Prerequisites

(1) Must have a GT score of 110 or higher.

(2) Completed the Entry-Level ADA Programming Course, MCCES, 29 Palms, CA.

(3) This MOS will be assigned and voided only by the authority of the CMC (MM).

(4) Must have 2 years of active duty remaining upon graduation from training.

(5) Must be a U.S. citizen.

(6) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.37_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Programmer, Business 020.162-014.

(2) Programmer, Detail 219.367-026.

4. MOS 4076, Computer Security Specialist (MGySgt to Cpl)*

a. Summary. THIS MOS WILL CONVERT TO 06 OCCFLD IN THE FUTURE. Computer security specialists perform technical analysis on computer system security procedures including personnel, physical security, communications, emanations, hardware, software, and data. This MOS is assigned and voided only by the authority of CMC (MM) as a skill designator and will be assigned after completion of the Information Systems Security Concept Course.

b. Requirements/Prerequisites

(1) Must be qualified in any occupational field 40 MOS and completed formal training related to computer security. (Such training includes: general computer security, Privacy Act of 1974, information security, physical security, communications security, and hardware and software security techniques.) The Marine Corps formal school is Information Systems Security Concepts Course, MCCES, 29 Palms, CA.

(2) Must have knowledge and understanding of directives, instructions, plans, guidance, and SOPs relating to the Marine Corps computer security program.

(3) Must be a U.S. citizen.

(4) Must have a secret security clearance.

(5) Must have 2 years of active duty remaining upon graduating from training.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.37_, Individual Training Standards.

d. Related DOT Classification/DOT Code. None.

5. MOS 4099, Data Processing Chief (MGySgt to MSgt)#

a. Summary. Data processing chiefs perform supervisory duties as mid level data processing managers in a variety of data processing assignments. Data processing chiefs must have an overall knowledge of operations, programming, budgeting, and administration in order to establish procedures; and assist with the direction and supervision of data processing functions.

b. Requirements/Prerequisites

(1) Must be qualified in MOS 4066 or MOS 4067.

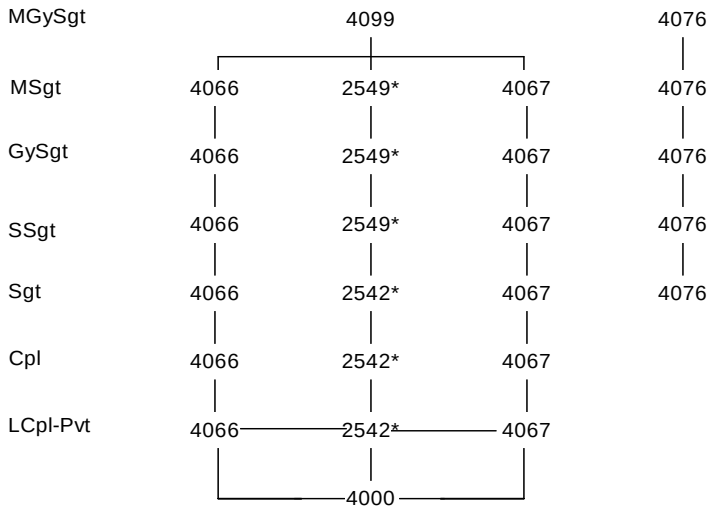
(2) Must be a U.S. citizen.

(3) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.37_, Individual Training Standards.

d. Related DOT Classification/DOT Code. Manager, Electronic Data Processing 169.167.030.

NOTE: This MOS is no longer being assigned.



* Identifies skill designators only.

MOS	TITLE
4000	Basic Data Systems Marine
4066	Small Computer System Specialist (SCSS)
4067	ADA Programmer
*4076	Computer Security Specialist
4099	Data Processing Chief

FIGURE 3-20.--Data Systems Career Structure Chart

MOS 4066, Small Computer Systems Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MSgt-SSgt		Advanced LAN	**FMF Duty:** FSSG/ISMO/G-6/ **Non-FMF Duty:** SE Data Facility/G-6/ HQMC/Joint Staff/ Instructor
Sgt-Cpl		Advanced LAN	**FMF Duty:** MARFOR HQ/MEF/ MAW/Div HQ/ FSSG/ISMO **Non-FMF Duty:** Joint Staff/HQMC
LCpl/Pvt	Small Computer Systems Specialist Course	Advanced LAN	**FMF Duty:** MARFOR HQ/MEF/Div HQ/ MAW/FSSG/ISMO **Non-FMF Duty:** HQMC/Joint Staff

MOS 4067, ADA Programmer

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			
MSgt-SSgt			**FMF Duty:** FSSG/ISMO/G-6 **Non-FMF Duty:** SE Data Facility/G-6/ HQMC/Joint Staff/ Instructor
Sgt-Cpl			**FMF Duty:** MARFOR HQ/MEF/Div HQ/ MAW/FSSG/ISMO **Non-FMF Duty:** HQMC/Joint Staff
LCpl/Pvt	ADA Programming Course		**FMF Duty:** MARFOR HQ/MEF/Div HQ/ MAW/FSSG/ISMO/HQMC/ Joint Staff

FIGURE 3-20.--Data Systems Career Structure Chart

MOS 4076, Computer Security Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	4099		
MSgt-SSgt			**FMF Duty:** FSSG/ISMO/G-6 **Non-FMF Duty:** SE Data Facility/G-6/ Joint Staff/HQMC/ Instructor
Sgt-Cpl	Information Systems Security Concepts Course		**FMF Duty:** MARFOR HQ/MEF/MAW/ Div HQ/FSSG/ISMO **Non-FMF Duty:** Joint Staff/HQMC

MOS 4099, Data Processing Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Approved Training	FMF Duty: FSSG/ISMO/G-6 Non-FMF Duty: SE Data Facility/G-6 HQMC/Joint Staff Instructor

FIGURE 3-20.--Data Systems Career Structure Chart

3128. **OCCUPATIONAL FIELD 41, MARINE CORPS EXCHANGE**

1. Introduction. The Marine Corps Exchange OccFld includes the operations, management, and supervision of Marine Corps exchanges and clubs. The functional areas include general administration, personnel management, accounting, procurement, retail sales, personal services, food and beverage service, and entertainment. Qualifications include the knowledge and understanding of retail business, financial management, inventory and cost controls, hospitality business, and general correspondence. This is a lateral move MOS with the grade structure starting at Sergeant. The duties involve a combination of technical skills in addition to administrative skills. Training for the MOS is provided through MOJT and formal schools. Types of initial assignments available for MOS 4133 include assistant store manager and assistant club manager in a retail store or club. The opportunity is available to serve in various category "B" assignments (MOS 8000-9599). Marines entering this OccFld receive MOS 4100, Basic Marine Corps Exchange Marine. They participate in routine exchange or club administrative and operational duties while training. The skill enhancement courses located in Figure 21, Career Structure Chart, can be located in the MCCS Training Catalog that is updated annually.

2. MOS 4133, Morale, Welfare, Recreation (MWR) Specialist (MGySgt to Sgt)

a. Summary. MWR Marines perform all Marine Corps Exchange and Club operations such as selling merchandise or providing services; preparing daily activity reports; providing managerial and custodial supervision of personnel, funds, property and merchandise; conducting inventories; purchasing, receiving, storing, and issuing merchandise.

b. Requirements/Prerequisites

(1) Must have a GT score of 110 or higher.

(2) Must have 6 months of MOJT in an exchange or full-time club.

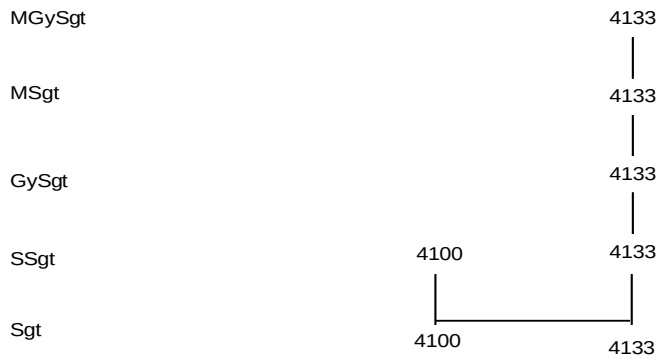
(3) Must be interviewed by a 4130/4133 prior to approval of lateral move into MOS.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.56, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Sales Clerk 290.477-014.

(2) Manager, Retail Store 185.167-046.



MOS	TITLE
4100	Basic Marine Corps Exchange Marine
4133	Morale, Welfare, Recreation (MWR) Specialist

FIGURE 3-21.--Marine Corps Exchange Career Structure Chart

MOS 4133, Morale, Welfare, Recreation Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Advanced Club Management Operations Course Senior Leader's Course Senior Executive Management Retail Training/Conference	**FMF Duty:** FSSG **Non-FMF Duty:** MCB
MSgt		Executive Skills Development Course Retail Training/Conference Strategic Business Planning II	**FMF Duty:** FSSG **Non-FMF Duty:** MCLB/MCB/ MCAS/MCRD
GySgt		Business Programs Managers' Course Loss Prevention Conference Strategic Business Planning I	**FMF Duty:** FSSG **Non-FMF Duty:** MCLB/MCB/ MCAS/MCRD
SSgt		Full Service Culinary Skills Course Snack Bar Management Course Catering Professionals' Course Catering Culinary Skills Course PIC Club Management Skills Course MCCS Managers' Course Applied Financial Planning Course Leadership Skills For Managers' Course #Food and Beverage Management Course	**FMF Duty:** FSSG **Non-FMF Duty:** MCLB/MCB/ MCAS/MCRD

FIGURE 3-21.--Marine Corps Exchange Career Structure Chart

Sgt	MOJT	MOJT Softlines Course World Class Customer Service Course Employment Law for Management Course	**FMF Duty:** FSSG **Non-FMF Duty:** MCLB/MCB/ MCAS/MCRD

#Required training only for assignment to executive control and command supervision positions in Marine Corps food and hospitality operations.

FIGURE 3-21.--Marine Corps Exchange Career Structure Chart

3129. **OCCUPATIONAL FIELD 43, PUBLIC AFFAIRS**

1. Introduction. The Public Affairs field gathers, prepares, publishes and disseminates news and feature materials about Marine Corps plans, policies, programs, regulations, operations and exercises. This information is disseminated to military and civilian broadcast and print media outlets. Marines in OccFld 43 conduct community relations programs to promote harmonious relations with civilian communities, produce command newspapers, magazines, and radio and television programs. Public Affairs Marines also act as the Marine Corps' official spokespersons. They arrange interviews for and escort members of the civilian media within the confines of military bases and installations, or in the area of operations during exercises and contingencies. Public Affairs Marines are assigned to all major commands, Marine Expeditionary Units, Recruiting Districts, Recruiting Stations, and many Joint Staffs. Marines entering the 43 OccFld are assigned as Basic Combat Correspondents, MOS 4300, until they complete training in print and broadcast journalism skills.

2. MOS 4313, Broadcast Journalist (MGySgt to Pvt)*

a. Summary. Broadcast journalist electronically gathers news and feature materials for radio and television programming. Duties include producing programming for on-base radio and cable television, and producing broadcast products for civilian media outlets. The 4313 MOS is a skill designator that may be held only by MOS 4341 Marines.

b. Requirements/Prerequisites

(1) Commands are authorized to make a unit diary entry awarding MOS 4313 to Marines who have previously held the MOS as documented in their SRB.

(2) Recruit accessions: During the Basic Public Affairs Specialist-Writer (BPAS-W) Course, all Marines assigned MOS 4300 will be administered a voice audition at the Defense Information School. The most qualified candidates will be enrolled in a follow-on Basic Public Affairs Specialist-Broadcaster (BPAS-B) Course and awarded MOS 4313 upon graduation.

(3) All others:

(a) Must meet the voice requirement on the basis of a taped audition submitted to the Marine Corps Representative, Defense Information School, Ft. Meade, MD. Approved audition scripts may be obtained from the Public Affairs Chief, Division of Public Affairs, Headquarters Marine Corps.

(b) Complete BPAS-B or demonstrate MOS qualifications through job performance in an MOJT program for a period of 6-months at an Armed Forces Radio and Television Service or Navy Broadcasting Service facility. Certification of completion of MOJT can be made by the commanding officer based on evaluation of core ITSs by competent authority from any U.S. Armed Service holding the grade of E6 or higher who also holds the primary skill designator of broadcast journalist. The certification must be provided as an endorsement to an Administrative Action Form submitted to Commandant of the Marine Corps (Code MMEA-83), 3280 Russell Road, Quantico, VA 22134-5103.

c. Duties. For a complete listing of duties and tasks; refer to MCO 1510.62_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Newscaster 131.267-010.

(2) Newswriter 131.267-014.

e. Related DOT Classification/DOT Code. Combat Correspondent, 4341.

3. MOS 4341, Combat Correspondent (MGySgt to Pvt)

a. Summary. Combat correspondents gather news and feature materials for publication in command newspapers and magazines and for radio and television programs for internal and external release; respond to queries from the civilian media; perform media liaison functions during operations/exercises; conduct community relations programs; produce print and photographic materials; and edit/produce command newspapers and/or magazines. Upon reaching the rank of staff sergeant and above, a Marine in OccFld 43 may be designated billet of public affairs chief by virtue of seniority within his/her public affairs (PA) office. The PA chief supervises, trains and coordinates the activities of all enlisted Marines assigned to the PA office. He/She is also the advisor to the public affairs officer in all matters pertaining to public affairs to include, but not limited to, internal and external information programs, publishing a command newspaper/magazine, producing/planning a radio or television program, conducting MOJT programs and managing community relations programs.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Must have a VE 40 or higher.

(3) Be interviewed by, and have the approval of, a public affairs officer or public affairs SNCO.

(4) Complete the Basic Public Affairs Specialist-Writer (BPAS-W) Course at the Defense Information School or demonstrate satisfactory performance per ITS (See paragraph c.) through MOJT at a command public affairs office and/or an Armed Forces Radio Television Service (AFRTS) facility for a minimum of 6 months.

c. Duties. For a complete listing of duties and tasks; refer to MCO 1510.62_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Photojournalist 143.062-034

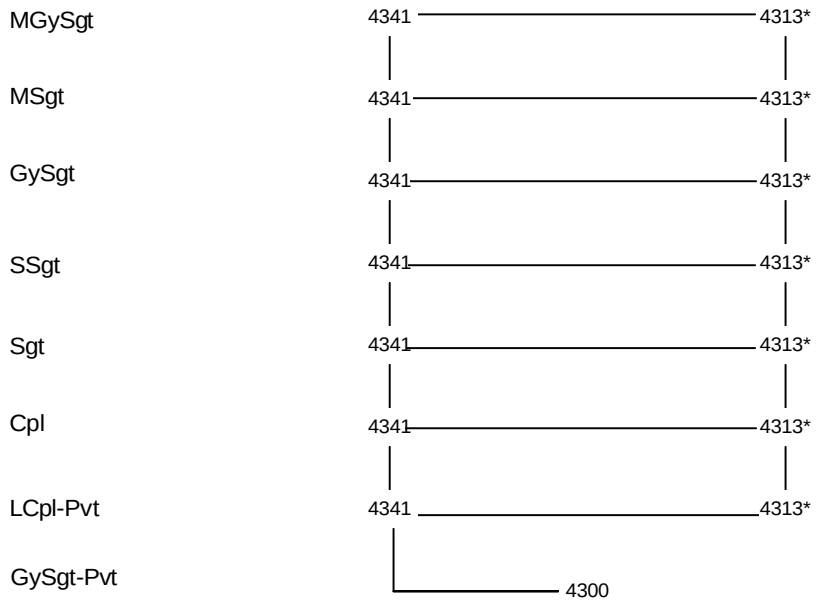
(2) Reporter 131.267-018.

(3) Editorial Assistant 132.267-014.

(4) Editor, Publications 132.037-022.

(5) Public Relations Specialist 165.067-010.

e. Related Military Skill. Broadcast Journalist, 4313.



MOS	TITLE
4300	Basic Combat Correspondent
*4313	Broadcast Journalist
4341	Combat Correspondent

* Identifies skill designator MOSs only.

FIGURE 3-22.--Public Affairs Career Structure Chart

MOS 4341, Combat Correspondent

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Joint PA Supervisor Course (JPASC)	**FMF Duty:** MARFOR HQ/MEF **Non-FMF Duty:** HQMC
MSgt		Joint PA Supervisor Course (JPASC)	**FMF Duty:** MARFOR HQ/MEF/ Div HQ **Non-FMF Duty:** HQMC/Base/ Station HQ/ INFOS/AFN/ MCRC/Joint Duty
GySgt		DoD Joint Course in Communication Joint PA Supervisor Course (JPASC) Broadcast Management Course Military Photojournalism Program (Syracuse University) Military Motion Media Studies (Syracuse University) Marketing and Public Affairs Representatives Course (Recruiting Command)	**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG **Non-FMF Duty:** HQMC/Base/ Station/ District HQ/ DINFOS/AFN/ Joint Duty
SSgt		Editors Course Joint PA Supervisor Course (JPASC) Advanced Electronic Journalism Course Intermediate Photo Journalism Course Electronic Journalism Course Broadcast Management Course	**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ FSSG/MEU **Non-FMF Duty:** HQMC/Base/ Station/ District HQ/ DINFOS/ AFN/Joint Duty/MPA/ MCRC

FIGURE 3-22.--Public Affairs Career Structure Chart

		Marketing and Public Affairs Representative Course (Recruiting Command) DoD Joint Course in Communication (University of Oklahoma) Military Photojournalism Course (Syracuse University) Military Motion Media Course (Syracuse University)	
Sgt		Joint PA Supervisor Course (JPASC) Editors Course Electronic Journalism Course Intermediate Photojournalism Course Advanced Electronics Journalism Course Marketing and Public Affairs Representative Course (Recruiting Command)	**FMF Duty**: MARFOR HQ/MEF/ Div HQ/MAW/ FSSG/MEU **Non-FMF Duty**: HQMC/Base/ Station/ District HQ/ MPA/ AFN/NBS/ DINFOS/ Joint Duty/ MCRC
Cpl		Advanced Electronic Journalism Course Joint PA Supervisor Course (JPASC) Marketing and Public Affairs Representative Course (Recruiting Command) Electronic Journalism Course Intermediate Photo Journalism Course Editors Course	**FMF Duty**: MARFOR HQ/ MEF/Div HQ/ MAW/FSSG/MEU **Non-FMF Duty**: HQMC/Base/ Station/ District HQ/ MPA/AFN/NBS
LCpl/Pvt	Basic Public Affairs Specialist/Writer Course Basic Public Affairs Specialist/Broadcaster Course	Editors Course	**FMF Duty**: MARFOR HQ/MEF/ Div HQ/MAW/ FSSG/MEU **Non-FMF Duty**: Station/AFN/ NBS

FIGURE 3-22.--Public Affairs Career Structure Chart

3130. **OCCUPATIONAL FIELD 44, LEGAL SERVICES**

1. Introduction. The legal service OccFld consists of MOS 4421, Legal Services Specialist/Scopist and MOS 4429, Legal Services Reporter. Personnel in these MOSs provide services required in the operational, managerial, legal administrative, typing, clerical, and courts-martial reporting/transcribing areas necessary for the proper functioning of a legal services support section (LSSS), law center, office of the staff judge advocate, or other agencies/commands in support of a Marine Judge Advocate. Marines entering the OccFld receive MOS 4400, Basic Legal Services Marine. Formal schooling is provided to all Marines entering the OccFld.

a. MOS 4421. Marines assigned to OccFld 44 through recruit accession or lateral move are required to attend the formal Legal Services Specialist Course at Naval Justice School, Naval Station, Newport, RI. Upon completion of this course, MOS 4421 is assigned. Marines may be selected to attend the Legal Services Scopist Course, for follow-on training.

b. MOS 4429. Marines assigned MOS 4429 must first attend and complete the Court Reporting Program from the Virginia School of Technology. Marines completing this course of instruction, but not certified as a legal services reporter by CMC (JA), may be transferred to a major command to receive additional training. The Marines may then be certified upon request from their command to the CMC (JA). Should a Marine not complete the Court Reporting Program, or not be certified as a legal services reporter by CMC (JA), they will be re-designated to their previous PMOS.

c. A Marine requesting a lateral move into MOS 4421 must first receive an interview from a MOS 4421 Legal Services Specialist (Legal Chief), or in the absence of a legal chief, a MOS 4430 Legal Administration Officer, prior to HQMC approving a lateral move request. The interview is mandatory. Once a Marine's request for a lateral move to MOS 4421 has been approved by CMC (JA), basic MOS 4400 is assigned and the Marine is normally ordered TAD to the first available Legal Services Specialist Course at Naval Justice School, Naval Station, Newport, RI. Upon completion of this course, MOS 4421 will be assigned. Selected Marines will receive follow-on training at the Legal Services Scopist Course, also at Naval Justice School. Reservists may be ordered to the Legal Services Specialist Course.

d. A Marine requesting lateral move into MOS 4429 must first receive an interview from a MOS 4429 Legal Services Reporter (Reporter Chief), or in the absence of a reporter chief, a MOS 4421 Legal Chief, or a MOS 4430 Legal Administration Officer, prior to HQMC approving a lateral move request. The interview is mandatory. Once a Marine’s request for lateral move to MOS 4429 has been approved by CMC, basic MOS 4400 with an IMOS of 4429 is assigned and the Marine is ordered PCS to attend the 2-year Court Reporting Program at the Virginia School of Technology, Virginia Beach, VA. Upon completion of this course, MOS 4429 will be assigned. Reservists may not be ordered to the Court Reporting Program.

e. Marines laterally moving to MOS 4429 are not eligible for any bonus payment in MOS 4429 until completion of training and assignment of MOS 4429. Commanders will screen their Marines to ensure they are financially responsible and mentally able to complete a demanding 2-year curriculum in a civilian environment (Virginia School of Technology, Virginia Beach, VA).

f. The appropriate command shall initiate action to void the MOS of any Marine in OccFld 44 who receives nonjudicial punishment (NJP) or is convicted by a courts-martial or civilian court for any offense involving drugs. Also, action shall be initiated to void the OccFld 44 MOS if convicted by courts-martial or civilian court

for any offense involving controlled substances or for any offense involving moral turpitude as defined in the Manual for Courts-Martial, United States, 1984.

2. MOS 4421, Legal Services Specialist (MGySgt to Pvt)

a. Summary. The legal services specialist MOS encompasses every facet of legal administration with the exception of courts-martial reporting. General duties involve the legal operational, managerial, clerical, and administrative duties incident to an LSSS, law center, or office of the staff judge advocate. Typical duties include research, preparation and typing of general correspondence, forms, reports, wills, powers of attorney, and other documents dealing with legal and quasi-legal matters; checking all completed work for typographical accuracy; maintaining office correspondence files, directives, and publications; if senior in grade, will act as the legal services chief and senior enlisted advisor directly responsible to the OIC/SJA for the overall assignment, performance, training, counseling, morale, discipline and welfare of all enlisted personnel. The legal services chief is the active liaison between the command dealing with enlisted policy and duty assignments and advisor to the judge advocates with regard to enlisted instruction and supervision. Selected Marines may attend follow-on training at the Legal Services Scopist Course. Legal services scopists are responsible to assist legal services reporters in the preparation and assembly of typewritten, summarized or verbatim transcripts.

b. Requirements/Prerequisites

(1) Must have a GT score of 100 or higher.

(2) Demonstrate a typing proficiency of 35 words per minute and complete the Legal Services Specialist Course.

(3) Must have received no NJPs or been convicted by courts-martial or civilian court for any offense involving controlled substances, nor convicted by courts-martial or civilian court for any offense involving moral turpitude.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.51_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Legal Secretary 201.362-010.

(2) Paralegal Assistant 119.267-026.

e. Related Military Skill. Administrative Clerk, 0151.

3. MOS 4429, Legal Services Reporter (MGySgt to Sgt)#

a. Summary. Legal services reporters conduct court reporting. Legal services reporters serve as reporters to staff judge advocates of major base or station commands and to the officer in charge of an LSSS that provides legal services support to a major Marine Forces command. Reporters record the proceedings of special and general courts-martial, formal investigations, administrative boards, staff meetings, and other similar bodies (hearings) and prepare or supervise preparation and assembly of typewritten, summarized, or verbatim transcripts; review records of proceedings for administrative completeness and technical accuracy. When senior in grade, manage and supervise the reporter section of a general courts-martial command and the enlisted personnel assigned to it.

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Must be certified as a legal services reporter by the CMC (JA) when competency is acknowledged/verified by the school director (or command) and the senior SNCOIC (JA3) of the court reporter program.

(3) Must be a high school graduate or have obtained a GED.

(4) Must be a Cpl or Sgt at time of application (exceptionally qualified Lance Corporals will be considered).

(5) Should be able to type 60 wpm.#

(6) Must score no less than 12.0 grade level in vocabulary and comprehension on the Nelson/Denny reading test.#

(7) Should score a reading rate of not less than 225 wpm on the Nelson/Denny Reading Test.#

(8) Must be a U.S. citizen.

(9) Must extend or reenlist for a sufficient period of time to meet a minimum 6-year obligated service requirement. For a period of 4 years after graduation from the stenotype school, Marines are not eligible to apply for any other Marine Corps programs or "B" type billets; e.g., warrant officer, enlisted commissioning, degree completion, drill instructor duty, recruiting duty, etc., that would be inconsistent with performance of duties as a legal services reporter. Should a Marine not complete the Stenotype program, they will be re-designated to their previous PMOS.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.51_, Individual Training Standards.

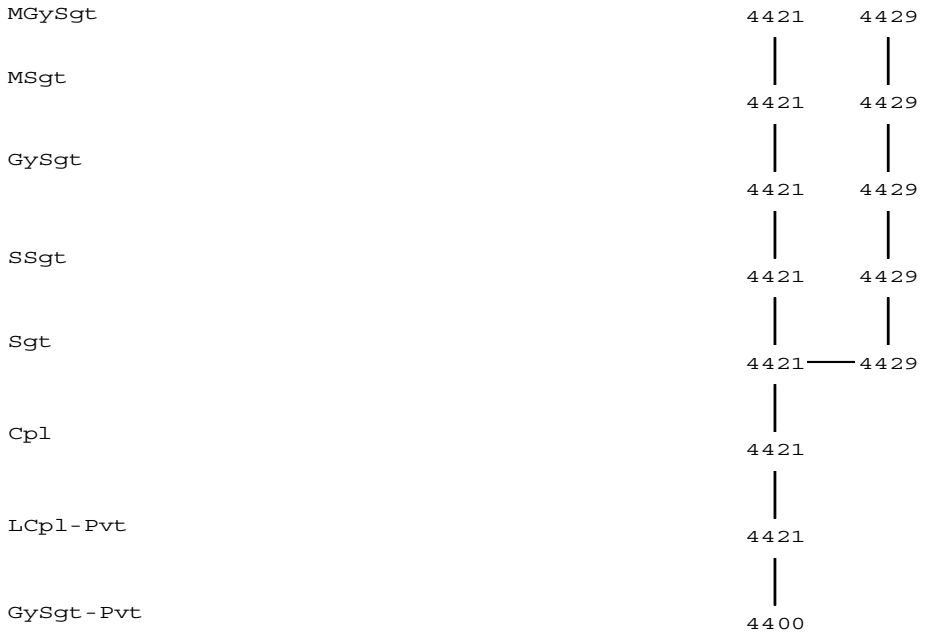
d. Related DOT Classification/DOT Code

(1) Shorthand Reporter 202.362-010.

(2) Court Clerk 243.362-010.

e. Related Military Skill. None.

The Base Education Center administers and grades the test. If there isn't an education center where the Marine is located, tests will be mailed to the Command. Test results must accompany any reenlistment or lateral move request.



MOS	TITLE
4400	Basic Legal Services Marine
4421	Legal Services Specialist
4429	Legal Services Reporter

FIGURE 3-23.--Legal Services Career Structure Chart

MOS 4421, Legal Services Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Law Office Managers Course (USAF)	**FMF Duty:** FSSG/MARFOR HQ **Non-FMF Duty:** HQMC
MSgt		Law Office Managers Course (USAF) Senior Legalman Course (USN) Senior Paralegal NCO Course (USA)	**FMF Duty:** FSSG/MARFOR HQ **Non-FMF Duty:** MCB/MCRD/MCCDC/ MCAS/Instructor
GySgt		Law Office Managers Course (USAF) Senior Legalman Course (USN) Senior Paralegal NCO Course (USA) Legal Officer Course (USN) (Non-lawyer) Legal Assistance Managers Course (USN) Legalman/Legal Specialist Mid-Career Course (USN)	**FMF Duty:** FSSG/MARFOR HQ/ MEF HQ/Div HQ/ MAW HQ **Non-FMF Duty:** MCB/MCRD/MCCDC/ MCLB/MCAS/HQMC/ Instructor
SSgt		Legal Officer Course (USN) (Non-lawyer) Legalman/Legal Specialist Mid-Career Course (USN) Legal Assistance Managers Course (USN) Senior Paralegal NCO Course (USA)	**FMF Duty:** FSSG/MARFOR HQ/ MEF HQ/Div HQ/ MAW HQ **Non-FMF Duty:** MCB/MCRD/MCCDC/ MCLB/MCAS/MATSG/ HQMC/Instructor

FIGURE 3-23.--Legal Services Career Structure Chart

		Legal Writing and Research (USN) U.S. Marine Corps Apprenticeship Program	
Sgt		Legalman/Legal Specialist Mid-Career (USN) Senior Paralegal NCO Course (USA) Legal Writing and Research (USN) U.S. Marine Corps Apprenticeship Program	**FMF Duty**: FSSG/MARFOR HQ/MEF HQ/ Div HQ/MAW HQ/ MEB HQ/ MEU HQ **Non-FMF Duty**: MCB/MCRD/MCCDC/MCLB/ MCD/MCAS/MATSG/HQMC
Cpl		Legal Writing and Research (USN) U.S. Marine Corps Apprenticeship Program Legal Services Scopist Course (USMC)	**FMF Duty**: FSSG/MARFOR HQ/MEF HQ/ Div HQ/MAW HQ/MEB HQ MEU HQ **Non-FMF Duty**: MCB/MCRD/MCCDC/MCLB/ MCD/MCAS/MATSG/HQMC
LCpl-Pvt	Legal Services Specialist Course	U.S. Marine Corps Apprenticeship Program Legal Services Scopist Course (USMC)	**FMF Duty**: FSSG/MARFOR HQ/MEF HQ Div HQ/MAW HQ/MEB HQ/ MEU HQ **Non-FMF Duty**: MCB/MCRD/MCCDC/MCLB/ MCAS/HQMC

MOS 4429, Legal Services Reporter

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt-Sgt	Court Reporting Program	Legalman/Legal Specialist Mid-Career Course (USN)	**FMF Duty**: FSSG **Non-FMF Duty**: MCCDC/MCRD/MCAS/MCB

FIGURE 3-23.--Legal Services Career Structure Chart

3131. **OCCUPATIONAL FIELD 46, VISUAL INFORMATION**

1. Introduction. The Visual Information Support OccFld includes the operation and management of visual information functions in the areas of graphic arts, visual information library loan services, training devices, photographic laboratory operations, photography, videography, video editing and all aspects of printing and reproduction. Qualification requirements vary by MOS, but include basic administrative, artistic and mechanical skills, as well as knowledge or experience with chemistry, mathematics, production techniques, and the ability to communicate and work closely with others. The duties involve administrative, technical, managerial, and artistic skills. Visual information Marines will be required to learn administrative, accounting, filing, managerial and reporting procedures peculiar to the OccFld, and those artistic and technical aspects necessary for the individual MOSs. Marines are provided formal schooling upon acceptance to the OccFld. Types of entry-level jobs include work as a combat illustrator, photographer, videographer, and lithographer. The opportunity to participate in a formal apprenticeship program leading to receipt of a Department of Labor Certificate of Apprenticeship completion may be available in some MOSs with in OccFld 46 (refer to MCO 1550.22 for specific information concerning this program). There are a wide variety of billets available in the OccFld, ranging from duty with the Operating Forces to the opportunity to serve in the White House Communications Agency. Marines entering this OccFld will receive MOS 4600 (Basic Information Marine) until successfully completing a MOS-granting course at the Defense Information School (DINFOS), Ft. Meade, MD or National Geospacial Intelligence School, Ft. Belvoir, VA. Personnel entering through lateral movement must complete the appropriate formal schooling or MOJT prior to being awarded MOS 4611, 4612, 4641, or 4671.

2. MOS 4611, Combat Illustrator (SSgt to Pvt)

a. Summary. Combat illustrators create two and three-dimensional artistic and illustrative products for use in a broad range of programs including, but not limited to, briefs, training, investigations, etc. Typical duties include layout, design, illustration, and artistic projects. Combat illustrator SNCOs draft reports, official correspondence, and budget; supervise and instruct personnel in the operation of all equipment and software related to MOS 4611, as well as supervising and organizing all aspects of illustration operation.

b. Requirements/Prerequisites

(1) Must have a GT score of 100 or higher.

(2) Submit a portfolio to Commanding General (C 468VIM), Training and Education Command, Quantico, VA 22134. The portfolio consists of 20 pieces of original artwork created within the last 2 years. The portfolio should clearly demonstrate the MOS 4611 candidate’s artistic skills with emphasis on his or her ability to draw proportions in naturalistic artwork (e.g. faces, equipment, landscapes, etc.). The following formats are acceptable: original artwork, CD, prints, 35mm slides, color copies, and 3.5" diskettes.

(3) Must have art ability.

(4) Must have normal color vision.

(5) Must be eligible for a secret security clearance.

(6) Complete the Basic Multimedia Illustrator Course, Ft. Meade, MD, or demonstrate MOS proficiency through completion of appropriate civilian schooling.

(6) Complete the Basic Multimedia Illustrator Course, Ft. Meade, MD, or demonstrate MOS proficiency through completion of appropriate civilian schooling.

(7) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.54_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Illustrator 141.061-022.

(2) Graphic Designer 141.061-018.

e. Related Military Skill. Map Compiler, 1431.

3. MOS 4612, Combat Lithographer (SSgt to Pvt)

a. Summary. The combat lithographer operates and maintains the offset printing press; uses the electrostatic or direct image process; and operates power-operated binding equipment to finish and bind booklets, pamphlets, and other printed matter. Combat Lithography NCOs draft reports, official correspondence, and budgets; supervise, and instruct personnel in the operation of all equipment and software related to MOS 4612, as well as supervising and organizing all aspects of lithographic operations.

b. Requirements/Prerequisites

(1) Must have a GT score of 100 or higher.

(2) Complete the Marine Corps Basic Lithographer Course, Ft. Belvoir, VA.

(3) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.54_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Photographer, Lithographic 972.382-014.

(2) Lithographic Plate Maker 972.381-010.

(3) Offset Press Operator 651.482-010.

(4) Bindery Worker 653.685-010.

(5) Supervisor, Offset-Plate Preparation 972.130-010.

(6) Supervisor, Printing Shop 659.130-010.

4. MOS 4616, Reproduction Equipment Repairer (SSgt to Cpl)*

a. Summary. Reproduction equipment repairers maintain all T/E reproduction related equipment and perform administrative and planning functions to include equipment maintenance records. This MOS will be assigned only as a skill designator MOS.

b. Requirements/Prerequisites

(1) Must have a GT score of 100 or higher.

(2) Complete the Reproduction Equipment Repair Course, Ft. Belvoir, VA.

(3) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.54_, Individual Training Standards.

d. Related DOT Classification/DOT Code. Press Maintainer 627.281-010.

e. Related Military Skill. Combat Lithographer, 4612.

5. MOS 4641, Combat Photographer (SSgt to Pvt)

a. Summary. Combat photographers take photographs using all types of cameras and accessories in a variety of environments (including time of darkness and underwater) to support a wide range of requirements including: operational imagery, intelligence imagery, investigations, research, development and evaluation, recruiting, internal and external information efforts, etc. Performs equipment inspection, preventive maintenance, visual and electronic quality control, captioning, archive accessioning, and photographic finishing. Combat videography SNCOs draft reports, official correspondence, and budget; supervise and instruct personnel in the operation of all equipment and software related to MOS 4641, as well as supervising and organizing all aspects of photographic operations.

b. Requirements/Prerequisites

(1) Must have a GT score of 100 or higher.

(2) Must have normal color vision.

(3) Must be eligible for a secret security clearance.

(4) Complete the Basic Still Photographic Course, Ft. Meade, MD or demonstrate MOS proficiency through completion of appropriate civilian schooling.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.54_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Photographer, Still 143.062-030.

(2) Photojournalist 143.062-034.

6. MOS 4671, Combat Videographer (SSgt to Pvt)

a. Summary. Combat videographers use video cameras and editing equipment in a variety of environments (including time of darkness and underwater) to support a wide range of requirements including: operational imagery, intelligence imagery, investigations, research, development and evaluation, recruiting, internal and external information efforts, etc. Performs video engineering, equipment inspections, preventive maintenance, visual and statistical quality control, captioning, archive accessioning, and video dubbing. Combat ideography SNCOs draft reports, official correspondence and budgets, supervise and instruct personnel in the operation of all equipment and software related to MOS 4671, as well as supervising and organizing all aspects of video operations.

b. Requirements/Prerequisites

(1) Must have a GT score of 100 or higher.

(2) Complete the Video Production Documentation Course, Ft. Meade, MD, or demonstrated MOS proficiency through completion of appropriate civilian schooling.

(3) Must have normal color vision.

(4) Must be eligible for a secret security clearance.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.54_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Photographer, Motion Picture 143.062-022.

(2) Editor, Film 926.264-010.

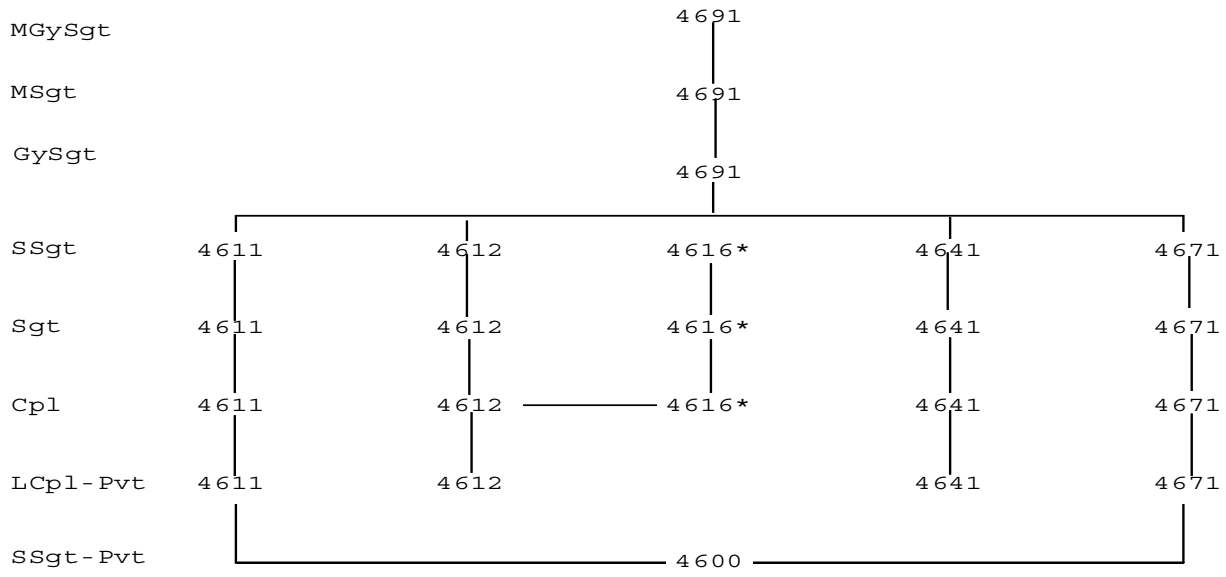
7. MOS 4691, Combat Visual Information Chief (MGySgt and GySgt)

a. Summary. Combat visual information chiefs assist the visual information officers in supervising, coordinating, administering, and managing visual information activities (including combat camera). Typical duties include direct supervision, coordination, and management of enlisted personnel engaged in duties within the visual information support OccFld. They also draft reports, official correspondence and budgets, and personnel estimates for the visual information activity. These Marines may act as the combat visual information officer in the absence of qualified officers, to include performing all the administrative duties normally assigned to these officers.

b. Requirements/Prerequisites. Must be qualified in an MOS within OccFld 46.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.54_, Individual Training Standards.

d. Related DOT Classification/DOT Code. Producer 159.117-010.



* Identifies Skill Designator MOS only.

MOS	TITLE
4600	Basic Visual Information Marine
4611	Combat Illustrator
4612	Combat Lithographer
*4616	Reproduction Equipment Repairman
4641	Combat Photographer
4671	Combat Videographer
4691	Visual Information Chief

MOS 4611, Combat Illustrator

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt		Contracting Officers Representative Course	**FMF Duty**: MARFOR HQ/ MEF/MAW **Non-FMF Duty**: HQMC/MCCDC/ MAGTFTC/MCB/ MCRD/Instructor
Sgt		Digital Multimedia Course	**FMF Duty**: MARFOR HQ/MEF/MAW **Non-FMF Duty:** HQMC/MCCDC/ MAGTFTC/ MCB/MCD/MCRD
Cpl		Digital Multimedia Course	**FMF Duty**: MARFOR HQ/ MEF/MAW/MCI **Non-FMF Duty**: HQMC/MCCDC/MCB/ MCD/MAGTFTC/ MCRD
LCpl-Pvt	Basic Multimedia Illustrator Course		**FMF Duty**: MARFOR HQ/ MEF/MAW/MCI **Non-FMF Duty**: HQMC/MCCDC/ MCB/MCD/MAGTFTC/ MCRD

FIGURE 3-24.—Visual Information Career Structure Chart

MOS 4612, Combat Lithographer

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt	SNCO Career Course	Contracting Officers Representative Course	**FMF Duty:** MARFOR HQ/Div HQ **Non-FMF Duty:** Instructor DMA/ MCRD/MCI/HQMC
Sgt	Sergeants' Course	MIMMS Course Digital Multimedia Course	**FMF Duty:** MARFOR HQ/ Div HQ/ Lithographer **Non-FMF Duty:** Instructor DMA/ MCRD/MCI/ HQMC
Cpl		Embark School Digital Multimedia Course Repro Equipment Repair Course	**FMF Duty:** MARFOR HQ/ Div HQ **Non-FMF Duty:** MCRD/MCI/ HQMC
LCpl-Pvt	Basic Lithographer Course		**FMF Duty:** MARFOR HQ/ Div HQ/MAW **Non-FMF Duty:** MCRD/MCI/ HQMC

MOS 4641, Combat Photographer

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt	SNCO Career Course	Contracting Officers Representative Course Photographic Maintenance and Quality Control Course Advanced Visual Information Program, Photojournalism	**FMF Duty:** MARFOR HQ/ MEF/Div HQ/MAW **Non-FMF Duty:** HQMC/MAGTFTC/MCB/ MCLB/MCRD/MCCDC/ Instructor

FIGURE 3-24.—Visual Information Career Structure Chart

Sgt	Sergeants' Course	Digital Multimedia Course Intermediated Photo-journalism Course	**FMF Duty:** MARFOR HQ/ MEF/Div HQ/ MAW/MEU **Non-FMF Duty:** HQMC/MCCDC/ MAGTFTC/MCB/ MCLB/MCD/ MCSA/Instructor
Cpl		Digital Multimedia Course	**FMF Duty:** MARFOR HQ/ MEF/Div HQ/ MAW/MEU **Non-FMF Duty:** HQMC/MCCDC/ MAGTFTC/MCB/ MCRD/MCLB/MCD/
Pvt-LCpl	Basic Still Photography Course		**FMF Duty:** MARFOR HQ/ MEF/Div HQ/ MAW/MEU **Non-FMF Duty:** HQMC/MCCDC/ MAGTFTC/MCB/ MCLB/MCRD/MCD

MOS 4671, Combat Videographer

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt	SNCO Career Course	Contracting Officers Representative Course Photographic Maintenance and Quality Control Course	**FMF Duty:** MARFOR HQ/ MEF/Div HQ/MAW **Non-FMF Duty:** HQMC/MCCDC/ MAGTFTC/MCB/ Instructor
Sgt	Sergeants' Course	Digital Multimedia Course Advanced Visual Information Program Motion Media Studies Program	**FMF Duty:** MARFOR HQ/MEF/ Div HQ/MAW/ Instructor **Non-FMF Duty:** HQMC/MCCDC/ MAGTFTC/MCB/ MCRD

FIGURE 3-24.—Visual Information Career Structure Chart

Cpl		Digital Multimedia Course	**FMF Duty**: MARFOR HQ/MEF/ Div HQ/MAW/ Instructor **Non-FMF Duty**: HQMC/MCCDC/ MAGTFTC/MCB/ MCRD
Pvt-LCpl	Basic Video Documentation and Production Course		**FMF Duty**: MARFOR HQ/ MEF/Div HQ/MAW/MEU **Non-FMF Duty**: HQMC/MCCDC/ MAGTFTC/MCB MCRD

MOS 4691, Visual Information Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		SgtMaj and MGySgt Symposium Visual Information Officer Course	**FMF Duty**: MARFOR HQ/ MEF/Div HQ/ **Non-FMF Duty**: MCCDC/MCB/ MAGTFTC/MCRD
MSgt	Visual Information Management Course Contracting Officers Representative Course	1stSgt and MSgt Seminar Visual Information Officer Course	**FMF Duty**: MARFOR HQ/MEF/ Div HQ **Non-FMF Duty**: MCCDC/MCB/ MAGTFTC/MCRD
GySgt	SNCO Career Course	Visual Information Management Course Visual Information Officer Course	FMF Duty: MARFOR HQ/ MEF/MAW/FSSG Non-FMF Duty: HQMC/MCCDC/ MAGTFTC MCB/MCRD

FIGURE 3-24.—Visual Information Career Structure Chart

3132. **OCCUPATIONAL FIELD 55, MUSIC**

1. Introduction. Marines in the music OccFld provide music to support military ceremonies, official functions, community relations, personnel procurement programs, and troop "esprit de corps." In combat, musical units continue musical functions and augment security on a temporary basis during periods of heightened combat intensity when use of the band in its primary role is impractical. Marines entering this OccFld will receive MOS 5500, Basic Musician. All OccFld 5500 MOSs are assigned and voided by authority of the CMC (MM). Marines enlisting under the Musician Enlisted Option Program (MEOP) may be required to attend the Music Basic Course at the School of Music after having completed recruit training and Marine Combat Training (MCT) (See MCO 1130.54). Assignment to a Marine Corps Band follows successful completion of the Basic Course. Career Marine musicians may return to the School of Music for advanced technical training or complete the Instrument Repair Course provided through a civilian school. The opportunity to participate in a formal apprenticeship program leading to receipt of Department of Labor Certification of Apprenticeship may be available in some MOSs within OccFld 55. Refer to MCO 1550.22 for specific information concerning this program.

2. MOS 5517, Bandmaster (MGySgt to MSgt)

a. Summary. Bandmasters assist band officers as senior enlisted Marines in the band. Bandmasters advise the band officer on all issues of discipline, morale and welfare. They assist in evaluating the technical proficiency of musicians, and counsel subordinate musicians, as required, to improve the general effectiveness of the band. They interview and counsel enlisted musicians on pertinent professional and personal matters that may affect the efficiency of the band. They plan and schedule the operations and training functions of the band in garrison and the field.

b. Requirements/Prerequisites

(1) Must possess MOS 5519, 5521, or 5522.

(2) Must complete MCI 0131, Correspondence Procedures.

(3) Must possess knowledge of procedure directives, and regulations applicable to the Marine Corps Band.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.79_, Individual Training Standards.

d. Related DOT Classification Code/DOT Code

(1) Manager, Personnel 166.117-018.

(2) Senior Enlisted Advisor 166.167-042.

e. Related Military Skill. Musician, 5524.

3. MOS 5519, Enlisted Conductor (GySgt to SSgt)

a. Summary. Enlisted conductors assist the band officer as the principle enlisted conductors in the band. They select and rehearse music for band operations at concerts and ceremonies. They implement musical protocol as required in Navy Regulations, and NAVMC 2691, Marine Corps Drill and Ceremonies Manual. They coordinate all logistic functions such as messing, billeting, and transportation for

ceremonial band operations. They are responsible to the band officer in all matters pertaining to Band Public Affairs to include internal and external information programs, press packages, concert narrations and band historical files. Additionally, they perform liaison functions to aid in the procurement of Marine personnel. This MOS will be assigned and voided by authority of the CMC (MM).

b. Requirements/Prerequisites.

(1) Must possess MOS 5524.

(2) Complete the Music Unit Leader Course at the School of Music, Norfolk, VA.

(3) Requests for lateral move into MOS 5519 must be accompanied by a technical evaluation and recommendation of the current band officer or senior enlisted Marine filling the billet of band officer.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.79_, Individual Training Standards.

d. Related DOT Classification/DOT Code. Conductor, Orchestra 152.047-014.

e. Related Military Skill. Musician, 5524.

4. MOS 5521, Drum Major (GySgt to SSgt)

a. Summary. Drum majors lead the ceremonial band on the march. They select and rehearse music as required for marching band operations and instruct band personnel in drills peculiar to bands. They implement those portions of Navy Regulations, and NAVMC 2691, Marine Corps Drill and Ceremonies Manual, pertaining to parades and ceremonies. They coordinate all logistic functions such as messing, billeting, and transportation for marching band operations. Drum majors must possess an overall knowledge of personnel, general and operational administration procedures in order to establish, direct, and supervise the administrative functions of the band to which assigned. This MOS will be assigned and voided by authority of the CMC (MM).

b. Requirements/Prerequisites.

(1) Must possess MOS 5524.

(2) Must complete the Music Unit Leader Course at the School of Music, Little Creek, Norfolk, VA.

(3) Requests for lateral move into MOS 5521 must be accompanied by a technical evaluation and recommendation of the current band officer or senior enlisted Marine filling the billet of band officer.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.79_, Individual Training Standards.

d. Related DOT Classification Code/DOT Code

(1) Conductor, Orchestra 152.047-014.

(2) Manager, Office 169.167-034.

e. Related Military Skill. Musician, 5524.

5. MOS 5522, Small Ensemble Leader (GySgt-SSgt)

a. Summary. Small ensemble leaders assist the band officer and bandmaster in the employment of a Marine Corps Band's small ensembles. As leaders/performers of one or more small ensembles, they select and rehearse the music of the ensemble to which assigned, and manages the operations and training of the remaining small ensembles. They coordinate all logistic functions such as messing, billeting and transportation for Marine Corps Band small ensemble operations. Small ensemble leaders must be knowledgeable in the equipment capabilities and system integration of sound reinforcement components. They establish and maintain an effective audio reinforcement system for band operations. This MOS will be assigned and voided by authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess MOS 5524.

(2) Complete the Music Unit Leader Course at the School of Music, Norfolk, VA.

(3) Requests for lateral move into MOS 5522 must be accompanied by a technical evaluation and recommendation of the current band officer or senior enlisted Marine filling the billet of band officer.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.79_, Individual Training Standards.

d. Related DOT Classification Code/DOT Code. Musician, Instrumental 152.041-010.

e. Related Military Skill. Musician, 5524.

6. MOS 5523, Instrument Repair Technician (MGySgt to SSgt)

a. Summary. Instrument repair technicians are responsible to the band officer for inspecting, maintaining, repairing and overhauling all musical equipment assigned to a band. Duties include organizing and maintaining the instrument repair shop according to current occupational safety and health standards, maintaining administrative records and repairs of work performed on musical instruments, and performing preventative maintenance on instrument repair tools and equipment. They perform various duties incident to the acquisition and inventory sources. Marines in this MOS must have the ability to work independently and be objective in applying purchasing and contracting laws and regulations. This MOS will be assigned and voided by authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess MOS 5524.

(2) Must complete the Band Instrument Repair Course.

(3) Requests for lateral move into MOS 5523 must be accompanied by a technical evaluation and recommendation of the current band officer or senior enlisted Marine filling the billet of band officer.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.79_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Woodwind Instrument Repairer 730.281-054.

(2) Final Inspector 730.367-010.

e. Related Military Skill. Musician, 5524.

7. MOS 5524, Musician (SSgt-Pvt)

a. Summary. Musicians perform musical instruments in a Marine Corps Band in concerts, parades, band drills, and various other official functions and ceremonies. They also perform other additional duties as required, such as, band supply or administrative assistant, music librarian, and conduct preventative maintenance for musical equipment. Upon reaching the rank of staff sergeant, musicians assume the role of musical section leaders and assist with the supervision and training of musicians within the section.

b. Requirements/Prerequisites

(1) Must be auditioned, or technically evaluated and found musically qualified, by the musical technical assistant, band officer, or senior enlisted Marine authorized to conduct auditions. No specific level of education is required other than that specified by existing Marine Corps enlistment requirements.

(2) MOS 5524 is assigned upon completing the Basic Music Course, Norfolk, VA, or upon demonstrating the minimum instrumental proficiency level for current grade during MOJT.

(3) Must meet the minimum instrumental proficiency level on a 4.0 scale:

(a) SNCO - 3.0 (Grade V Music).

(b) Sgt - 2.9 (Grade IV Music).

(c) Cpl - 2.8 (Grade IV Music).

(d) LCpl to Pvt - 2.7 (Grade IV Music).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.79_, Individual Training Standards.

d. Related DOT Classification/DOT Code. Musician, Instrumental 152.041-010

e. Related Military Skill

(1) Member U.S. Marine Band, 9811.

(2) U.S. Marine Drum and Bugle Corps Member, 9812.

f. Skill Designator, MOS 5526, Musician, Oboe (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Oboe.

g. Skill Designator, MOS 5528, Musician, Bassoon (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Bassoon.

h. Skill Designator, MOS 5534, Musician, Clarinet (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Clarinet.

i. Skill Designator, MOS 5536, Musician, Flute/Piccolo (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Flute/Piccolo.

j. Skill Designator, MOS 5537, Musician, Saxophone (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Saxophone.

k. Skill Designator, MOS 5541, Musician, Trumpet (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Trumpet.

l. Skill Designator, MOS 5543, Musician, Euphonium (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Euphonium.

m. Skill Designator, MOS 5544, Musician, Horn (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Horn.

n. Skill Designator, MOS 5546, Musician, Trombone (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Trombone.

o. Skill Designator, MOS 5547, Musician, Tuba/Sousaphone (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Tuba/Sousaphone.

p. Skill Designator, MOS 5548, Musician, Electric Bass (SSgt to Pvt)*

(1) Requirement/Prerequisite.

a. Must be proficient on the Electric Bass.

b. Must be capable of performing a secondary instrument with the ceremonial marching band.

q. Skill Designator, MOS 5563, Musician, Percussion (Drums, Tympani, and Mallets) (SSgt to Pvt)*

(1) Requirement/Prerequisite. Must be proficient on the Percussion (drums, tympani, and mallets).

r. Skill Designator, MOS 5565, Musician, Piano (SSgt to Pvt)*

(1) Requirement/Prerequisite

a. Must be proficient on the Piano.

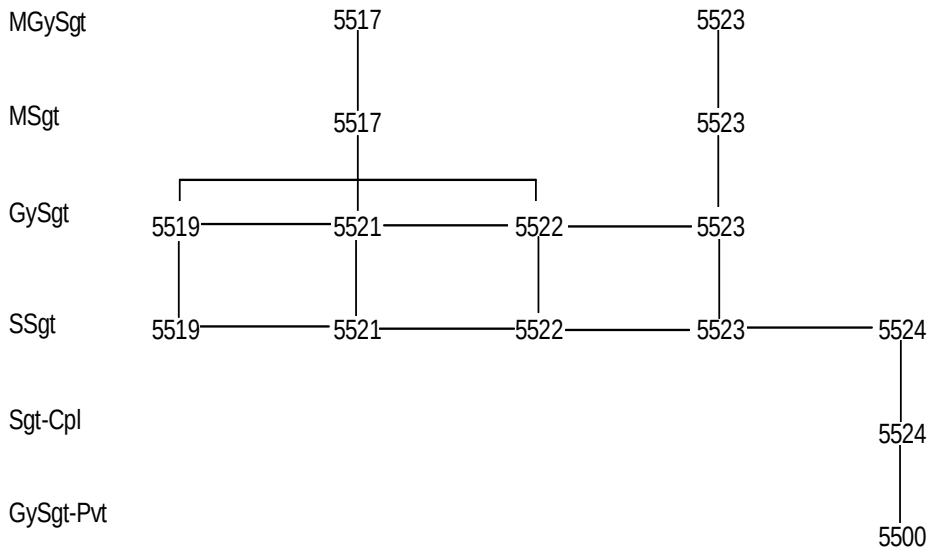
b. Must be capable of performing a secondary instrument with the ceremonial marching band.

s. Skill Designator, MOS 5566, Musician, Guitar (SSgt to Pvt)*

(1) Requirement/Prerequisite

a. Must be proficient on the guitar.

b. Must be capable of performing a secondary instrument with the ceremonial marching band.



MOS	TITLE
5500	Basic Musician
5517	Bandmaster
5519	Enlisted Conductor
5521	Drum Major
5522	Small Ensemble Leader
5523	Instrument Repair Technician
5524	Musician
5526	Musician, Oboe
5528	Musician, Bassoon
5534	Musician, Clarinet
5536	Musician, Flute/Piccolo
5537	Musician, Saxophone
5541	Musician, Trumpet
5543	Musician, Euphonium
5544	Musician, Horn
5546	Musician, Trombone
5547	Musician, Tuba/Sousaphone
5548	Musician, Electric Bass
5563	Musician, Percussion (Drums, Tympani, and Mallets)
5565	Musician, Piano
5566	Musician, Guitar

Figure 3-25.--Music Career Structure Chart

MOS 5517 Bandmaster

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Senior Musician Course Music Arranger Course	**FMF Duty:** Div HQ **Non-FMF Duty:** HQMC/SOM
MSgt		Senior Musician Course Music Arranger Course	**FMF Duty:** MEF/MARFOR/MAW **Non-FMF Duty:** HQMC/MCRD/MATCOM/ MCAGTFTC

MOS 5519, Enlisted Conductor

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt	Music Unit Leader Course	Senior Musician Course Music Arranger Course Sound Reinforcement Technician Course	**FMF Duty:** Div HQ/MAW **Non-FMF Duty:** SOM
SSgt	Music Unit Leader Course	Senior Musician Course Music Arranger Course Sound Reinforcement Technician Course	**FMF Duty:** MARFOR/MEF **Non-FMF Duty:** MCRD/MATCOM/ MCAGTFTC/MCB/SOM

MOS 5521, Band Drum Major

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt	Music Unit Leader Course	Senior Musician Course Music Arranger Course Sound Reinforcement Technician Course	**FMF Duty:** Div HQ/MARCOR Asgn UN Cmd **Non-FMF Duty:** MCRD/MCAGTFTC/ SOM/USMB

Figure 3-25.—Music Career Structure Chart

SSgt	Music Unit Leader Course	Senior Musician Course Music Arranger Course Sound Reinforcement Technician Course	**FMF Duty:** MARFOR/MEF/MAW **Non-FMF Duty:** MATCOM/MCB/SOM

MOS 5522, Small Ensemble Leader

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt	Music Unit Leader Course	Senior Musician Course Music Arranger Course Sound Reinforcement Technician Course	**FMF Duty:** MARFOR/MEF **Non-FMF Duty:** MATCOM/MCB/SOM
SSgt	Music Unit Leader Course	Senior Musician Course Music Arranger Course Sound Reinforcement Technician Course	**FMF Duty:** Div HQ/MAW/MARCOR Asgn UN Cmd **Non-FMF Duty:** MCRD/MCAGTFTC/SOM

MOS 5523, Instrument Repair Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** None **Non-FMF Duty:** SOM
MSgt			**FMF Duty:** Div HQ **Non-FMF Duty:** None
GySgt	Band Instrument Repair Course	Sound Reinforcement Technician Course	**FMF Duty:** MARFOR/MEF **Non-FMF Duty:** MATCOM

Figure 3-25.--Music Career Structure Chart

SSgt	Band Instrument Repair Course	Music Unit Leader Course Music Arranger Course Sound Reinforcement Technician Course	**FMF Duty:** MAW **Non-FMF Duty:** MCRD/MATCOM/ MCAGTFTC/MCB/SOM

MOS 5524, Musician

Rank	Required Training	Skill Enhancement	MOS Assignment
SSgt		Senior Musician Course Music Unit Leader Course Music Arranger Course Sound Reinforcement Technician Course	**FMF Duty:** MARFOR/MEF/Div HQ/ **Non-FMF Duty:** MCRD/MATCOM/ MCAGTFTC/MCB/SOM
Sgt/Cpl		Music Unit Leader Course Music Arranger Course Sound Reinforcement Technician Course	**FMF Duty:** MEF/MARFOR/Div HQ/ MAW **Non-FMF Duty:** MCRD/MATCOM/ MCAGTFTC/MCB
LCpl/Pvt	Basic Music Course	Sound Reinforcement Technician Course	**FMF Duty:** MARFOR/MEF/Div HQ/ MAW **Non-FMF Duty:** MCRD/MATCOM/ MCAGTFTC/MCB

Figure 3-25.—Music Career Structure Chart

3133. **OCCUPATIONAL FIELD 57, NUCLEAR, BIOLOGICAL, AND CHEMICAL DEFENSE**

1. Introduction. The Nuclear, Biological and Chemical Defense (NBCD) field includes the detection, identification, warning, reporting, avoidance and decontamination procedures associated with nuclear, biological, and chemical contamination on the battlefield. NBCD specialists must be familiar with operation, storage, supply, calibration, maintenance, serviceability, and accountability procedures for all NBCD equipment down to the battalion/squadron level. Qualifications required include a background that does not preclude qualification for a secret security clearance and no respiratory problems that could prevent the individual from performing their assigned tasks while wearing a field protective mask. Duties involve administrative, logistical, technical, and operational skills. NBCD specialist will be required to learn safety procedures in handling and use of NBC contaminates; physiological symptoms and effects associated with exposure to chemical and biological (CB) warfare agents and nuclear radiation; the administration of first aid to personnel exposed to CB warfare agents and nuclear radiation; proper storage and maintenance for NBC materials and equipment; and the operation of NBC defense equipment. The NBCD specialist will be required to instruct NBCD individual survival measures to their unit personnel and provide more advanced training to the unit's NBCD team. Formal schooling is provided at the entry level. Billets available in the Occupational Field (OccFld) are as a member of an NBCD platoon in the Division or Force Service support Group; as a member of a NBCD section in a Marine Aircraft Wing; on staffs within the J/G/S-3 Section ranging from battalion to joint level command headquarters; on staffs involving the development of doctrine and acquisition of new equipment; as a member of a equipment assessment unit assigned to a Marine Crops Base (MCB); as an instructor at a Marine Corps or other service schools; and in various category "B" billets (MOSs 8000-9599). Marines entering this OccFld will receive MOS 5700, Basic NBCD Marine.

2. MOS 5711, Nuclear Biological and Chemical Defense (NBCD) Specialist (MGySgt to Pvt)

a. Summary. NBC defense specialists' primary responsibility is to assist the unit NBCD officer in the execution of his duties. Additionally, NBCD specialists are responsible for the maintenance, serviceability, operation and employment of NBCD equipment and supplies. NBCD specialist assist, conduct, and supervise training in NBC monitor and survey, chemical detection and identification, biological agent collection and sampling, decontamination of personnel, equipment and casualties, and in individual protective measures and first aid for unit personnel. NBC specialist also operate within the unit's combat operations center, maintaining operation journals and message folders, maintaining situational awareness of current operations as they pertain to NBCD, assisting the NBCD officer with providing the operations officer with current NBCD information, and providing input for implementation into combat operation plans/orders. NBCD specialists provide tactical information to the commander relative to radiation exposure status, location of contaminated areas on the battlefield, and readiness status of their unit's NBCD equipment. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Complete the Basic NBC Defense Enlisted Course at the U.S. Marine Corps NBC School, Ft. Leonard Wood, MO.

(3) Must be eligible for a secret security clearance.

(4) Must not have any known hypersensitivity to the wearing of protective clothing or immunizations.

(5) Must be emotionally stable.

(6) Must not have any respiratory problem that prohibits a masked individual from accomplishing their assigned tasks.

(7) Must have normal color vision.

(8) Must be a U.S. citizen.

(9) Must be 18 years of age or older.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.71_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Decontaminator 99.384-010.

(2) Disaster or Damage Control Specialist 378.267-014.

MGySgt	5711
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MSgt	5711
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GySgt	5711
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SSgt	5711
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Sgt	5711
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	|
Cpl	5711
	|
	|
LCpl-Pvt	5711
	|
	|
SSgt-Pvt	5700

MOS	TITLE
5700	Basic Nuclear, Biological, and Chemical Marine
5711	Nuclear, Biological, and Chemical Defense Specialist

MOS 5711, Nuclear, Biological, and Chemical Defense Marine

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MEF/MARFOR **Non-FMF Duty:** MCCDC/PP&O/MOS School
MSgt		Radiation Safety Officer Course	**FMF Duty:** Div HQ/MAW HQ/ FSSG HQ/CBIRF **Non-FMF Duty:** MARCORSYSCOM/ MCCDC/EAU/MOS School/Joint School
GySgt		Radiation Safety Officer Course	**FMF Duty:** Div Plt/MAW HQ/ FSSG Plt/MHG HQ/ MAG/CBIRF/MEB/ MEU **Non-FMF Duty:** EAU/MCB/MOS School/ Joint School
SSgt		Technical Escort Course Defense Packaging of Hazardous Materials Course	**FMF Duty:** Div Plt/MAW HQ/FSSG Plt/FSSG BN/Regt/ MAG/CBIRF/MEU **Non-FMF Duty:** MOS School/I&I Staff/ DI Duty/Recruiter Duty
Sgt		Radiological Emergency Team Operations (RETOPS) Course Defense Packaging of Hazardous Materials Course	**FMF Duty:** Div Plt/MAW HQ/ FSSG Plt/MAG/BN SQD/MHG/CBIRF **Non-FMF Duty:** DI Duty/Recruiter Duty/MSG/EAU/MOS School
Cpl		Defense Packaging of Hazardous Materials Course Basic NBCRS Vehicle Course	**FMF Duty:** Div Plt/MAW HQ/ FSSG Plt/Regt/MAG/ BN/SQD/MHG/CBIRF **Non-FMF Duty:** MSG Duty

FIGURE 3-26.—Nuclear, Biological, and Chemical Defense Career Structure Chart

Pvt-LCpl	Initial MOS Qualification Training	Nuclear, Biological, and Chemical Defense Specialist Course Basic NBC Recon Course	**FMF Duty**: Div Plt/MAW HQ/ FSSG Plt/Regt/MAG/ BN/SQD/CBIRF **Non-FMF Duty**: MSG Duty

FIGURE 3-26.—Nuclear, Biological, and Chemical Defense Career Structure Chart

3134. **OCCUPATIONAL FIELD 58, MILITARY POLICE AND CORRECTIONS**

1. Introduction. The military police and corrections OccFld provides the commander continuous support by enforcing the law; preventing and suppressing crime; assessing command physical security posture; preserving military control; quelling disturbances; investigating offenses; apprehending offenders; protecting property and personnel; providing flightline security; registering and controlling privately owned vehicles and weapons; investigating traffic accidents; controlling traffic; antiterrorism; handling and safeguarding prisoners of war, refugees, or evacuees; conducting small unit offensive and defensive combat operations; guarding military prisoners and absentees/deserters returned to military control; and supervising brig operations and correctional custody units. Entry-level specialties available include military police and correctional specialists.

2. MOS 5811, Military Police (MGySgt to Pvt)

a. Summary. Military police perform assigned military law enforcement duties to uphold the criminal justice system, maintain good order and discipline, and support the commander's law enforcement and security requirements in peacetime and combat operations. Typical duties include foot and motorized patrol, control of pedestrian and vehicular traffic, flight line security, crime prevention/physical security, desk sergeant, communications dispatcher, squad leader, operations sergeant, platoon sergeant, and provost sergeant billets. MOS 5811 is very demanding in that the military police are confronted with every form of violation and criminal liability, misdemeanor through felony.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher (not waiverable).

(2) Training and certification:

(a) Active duty Marines must complete the Law Enforcement Military Police (MP) Course at the United States Army Military Police School (USAMPS).

(b) Prior service Reserve Marines, non-MOS qualified, may be certified for MOS 5811 also by attending the MP Course, or if unable to attend the regular MP Course, they may be certified as an AMOS-only, by the unit commander upon successful completion of the Alternate Training Instructional Program (ATIP) of Marine Force Reserves. The ATIP for MOS 5811 consists of all of the following: serving 6 months in a Reserve MP billet; successful completion of Military Police Course (Reserve), Phase I and II of the Army School System (TASS), demonstrated proficiency of Individual Training Standards (core tasks for MOS 5811) as outlined in Marine Corps Order 1510.86C; and favorable endorsement by an MP Inspector-Instructor. As described in COMMARFORRES Order 1535.1, some core tasks, which are not acquired at the TASS course, can be accomplished/demonstrated through Managed On-Job-Training (MOJT).

(3) Must be eligible for a secret security clearance.

(4) Must have normal color vision (not waiverable).

(5) Must be 19 years old prior to completion of formal school (not waiverable).

(6) Must have a minimum height of 65 inches with weight in proportion (waiverable to 62 inches).

(7) Must be a U.S. citizen.

(8) Must have valid state driver's license (not waiverable).

(9) Must have vision correctable to 20/20.

(10) Must possess clarity of speech.

(11) Must have no history of mental, nervous, or emotional disorders (not waiverable).

(12) No convictions by special or general courts-martial or civil courts (except minor traffic violations); no nonjudicial punishment convictions involving illegal drugs, spouse abuse/domestic violence, or immoral character (not waiverable).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Police Officer I 375.263-014.

(2) Sheriff, Deputy 377.263-010.

e. Related Military Skill

(1) Military Police, 5811.

(2) Military Police Dog Handler, 5812.

(3) Accident Investigator, 5813.

3. MOS 5812, Working Dog Handler (SSgt to Pvt)*

a. Summary. A military working dog handler is a military policeman who is additionally trained to properly employ a military working dog to conduct vehicle searches, searches of open areas, buildings, vehicles, etc., for the detection of explosives or illegal drugs and who also has the ability to search for lost or wanted persons. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must currently hold MOS 5811.

(2) Possess no fear of dogs.

(3) Must be a volunteer.

(4) Complete the Military Working Dog Basic Handler Course and the Detector Dog Handler Course, Lackland Air Force Base.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86_, Individual Training Standards.

4. MOS 5813, Accident Investigator (GySgt to Cpl)*

a. Summary. An accident investigator is a military policeman who is additionally trained in the enforcement of traffic laws, regulations and orders. Furthermore, the accident investigator investigates and reports traffic accidents; assists in accident prevention and vehicle safety programs; and conducts traffic control studies to determine present and future needs concerning traffic control and associated traffic programs aboard an installation. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must currently hold MOS 5811.

(2) Must have obtained the grade of corporal or higher.

(3) Complete the Traffic Management and Accident Investigation Courses, Air Force Training Center.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86_, Individual Training Standards.

5. MOS 5814, Physical Security Specialist (GySgt to Cpl)*

a. Summary. A physical security specialist is a military policeman additionally trained to give the installation commander the ability to conduct risk/vulnerability assessments, analyze crime, and recommend appropriate courses of action to eliminate conditions conducive to terrorism, espionage, sabotage, wrongful destruction, malicious damage, theft, and pilferage. Asset protection and loss prevention can be accomplished through all these, but not limited to a physical security program, electronic security system program, and a loss prevention program. This MOS will be assigned only as a skill designator MOS.

b. Requirements/Prerequisites

(1) Must currently hold MOS 5811.

(2) Must have obtained the grade of corporal or higher.

(3) Complete the Conventional Physical Security Course, U.S. Army Military Police School.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86_, Individual Training Standards.

6. MOS 5816, Special Reaction Team (SRT) Member (GySgt to Cpl)*

a. Summary. A special reaction team is comprised of military police personnel trained to give an installation commander the ability to counter or contain a special threat situation surpassing normal law enforcement capabilities. All team members should be cross-trained in all team duties. As a minimum, the special reaction team must be capable of isolating a crisis scene, providing proficient marksmanship support, conducting tactical movement and building entry, and clearing of buildings in a variety of light and weather conditions. This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Must currently hold MOS 5811.

(2) Must have obtained the grade of corporal or higher.

(3) Must be a volunteer.

(4) Possess a high degree of maturity and self-control.

(5) Maintain minimum first class physical fitness standards.

(6) Qualify as an expert with service rifle and pistol.

(7) Complete the Special Team Course, U.S. Army Military Police School.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(a) Police Officer 375.263-014.

(b) Sheriff, Deputy 377.263-010.

(c) Tactical Officer.

e. Related Military Skill. Marine Corps Security Force (MCSF) Close Quarters Battle (CQB) Team Member, 8154.

7. MOS 5819, Military Police Investigator (MPI) (GySgt to Cpl)*

a. Summary. The duties of the MPI require the assignment of mature and intelligent individuals responsible for investigating criminal violations of the Uniform Code of Military Justice (UCMJ) in matters of interest to the Armed Forces of the United States. A wide degree of latitude is afforded MPIs in support of the commander's obligation to the criminal justice system. Typical duties include conducting criminal investigations, convert operations, personal protective services, crisis management and negotiations, laboratory examinations, and liaison with other military and civil law enforcement agencies. MPI support both installation and Marine Air Ground Task Force commanders. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must currently hold MOS 5811.

(2) Must have obtained the grade of corporal or higher.

(3) Must have a minimum of one-year military police experience to be considered for the Military Police Investigator Course.

(4) Complete the Military Police Investigator Course, U.S. Army Military Police School.

(5) Accreditation of MPI will be accomplished by the provost marshal on an as needed basis, through the issuance of locally produced serialized credentials approved by CMC (PS).

(6) All MPI must initiate and satisfactorily complete a SSBI and be determined eligible for clearance at the secret level. Personnel may work in the billet while awaiting clearance adjudication, providing interim clearance eligibility has been accomplished.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Detective 375.267-010.

(2) Police Officer 375.263-014.

(3) Sheriff, Deputy 377.263-010.

e. Related Military Skill

(1) Criminal Investigator, 5821.

(2) Accident Investigator, 5813.

8. MOS 5821, Criminal Investigator CID Agent (MGySgt to Sgt)

a. Summary. Criminal investigation division agents perform criminal investigative duties while operationally assigned to the Criminal Investigation Division and Naval Criminal Investigative Service (NCIS). CID agents conduct all general criminal investigations falling within the jurisdictional purview of CID and NCIS, provide technical guidance and supervision to junior CID agents and apprentice investigators, conduct convert operations, personal protective services, hostage negotiations polygraph examinations, laboratory examinations, and liaison with other senior military, civil and Federal law enforcement agencies. CID agents support both installation and Marine Air Ground Task Force commanders.

b. Requirements/Prerequisites

(1) All requests for waivers must be approved by CMC (PS).

(2) Must have a GT score of 110 or higher (not waiverable).

(3) Must be 21 years of age.

(4) Must be a U.S. citizen.

(5) Must have normal color vision (not waiverable).

(6) Must have a minimum height of 65 inches with weight in proportion (waiverable to 62 inches).

(7) Must have a valid state drivers license (not waiverable).

(8) Must have vision correctable to 20/20.

(9) Must possess clarity of speech.

(10) Must have no history of mental, nervous, or emotional disorders (not waiverable).

(11) No convictions by special or general courts-martial or civil courts (except minor traffic violations); non-judicial punishment convictions involving illegal drugs, spouse abuse/domestic violence, or immoral character (not waiverable).

(12) All CID agents must initiate and satisfactorily complete a Single Scope Background Investigation (SSBI) and granted a top-secret clearance with a satisfactory periodic review every 5 years. Personnel may work in the billet while awaiting clearance adjudication, providing interim clearance eligibility has been accomplished.

(13) The apprentice investigator is required to perform a minimum of 6 months on the job training in criminal investigative duties and be recommended by the CID officer and the provost marshal for assignment to the U.S. Army Criminal Investigation Division Apprentice Special Agent (USACIDASA) Course, U.S. Army Military Police School (USAMPS).

(14) Successfully complete the U.S. Army Criminal Investigation Division Apprentice Special Agent Course (ASAC), U.S. Army Military Police School (USAMPS), Ft Leonard Wood, MO.

(15) Accreditation will be granted by CMC (PS) per MCO P5580.2, Marine Corps Law Enforcement Manual.

(16) Criminal investigators assigned to NCIS as special agents must be screened and determined eligible for duty by an NCIS Screening Board (as described in the most current version of the MOU between Director, NCIS and CMC). This requirement may be waived for those personnel who have previously served with NCIS as a special agent.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86_, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Detective 375.267-010.

(2) Polygraph Examiner 199.267-026.

e. Related Military Skill

(1) Criminal Investigator, 5821.

(2) Polygraph Examiner, 5822.

9. MOS 5822, Forensic Psycho-physiologist (Polygraph Examiner) (MGySgt to SSgt)*

a. Summary. Psycho-physiologist (Polygraph examiners) perform the full range of criminal investigative duties prescribed for and are operationally assigned to the Naval Criminal Investigative Service (NCIS). This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Individuals selected for polygraph training must be at least 25 years of age, have 2 years experience as a credentialed NCIS Special Agent (MOS 5821), and be a graduate of an accredited 4-year college.

(2) Complete the Polygraph Examiner Training Course, DoD Polygraph Institute.

(3) Certification will be accomplished by the Naval Criminal Investigative Service (Code 23CP).

(4) Complete an advanced polygraph training course every 2 years after certification.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86_, Individual Training Standards.

10. MOS 5831, Correctional Specialist (MGySgt to Pvt)

a. Summary. Correctional specialists guard and provide 24-hour supervision of the daily activities of confined and restrained personnel at Naval Brigs and Correctional Custody Units to prevent disturbances and escapes. Correctional specialists perform routine inspections, process personnel for confinement and release; transport prisoners, absentees and deserters; manage prisoner's funds and personal property; observe and report meaningful changes in prisoner behavior; and report infractions of the unit's regulations.

b. Requirements/Prerequisites

(1) Must have a GT score of 100 or higher.

(2) Complete the Correctional Specialist Course, Marine Corps Administrative Detachment, Lackland AFB, TX.

(3) Must be over 19 years of age and possess a high degree of maturity and emotional stability.

(4) Have no convictions by courts-martial, and no nonjudicial punishment convictions involving illegal drugs or moral turpitude.

(5) Have no record of civil court conviction that resulted in confinement.

(6) Requests for lateral move into MOS 5831 should be accompanied by an interview and recommendation by an installation's senior corrections officer, MOS 5804.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86_, Individual Training Standards (ITS).

d. Related DOT Classification/DOT Code. Correction Officer 372.667-018.

e. Related Military Skill. None.

11. MOS 5832, Correctional Counselor (MGySgt to Sgt)*

a. Summary. Correctional Counselors resolve day-to-day prisoner and awardee problems; conduct initial and weekly interviews; provide individual and group counseling; assist in evaluations; observe and report meaningful changes in behavior; recommend custody classification, treatment programs, work assignments, and make recommendations on clemency, parole and/or restoration to duty requests; and improve communication channels between the unit's staff and confined personnel in Naval Brigs and Correctional Custody Units; and interpret, apply and review policies, regulations, and directives. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must currently hold MOS 5831.

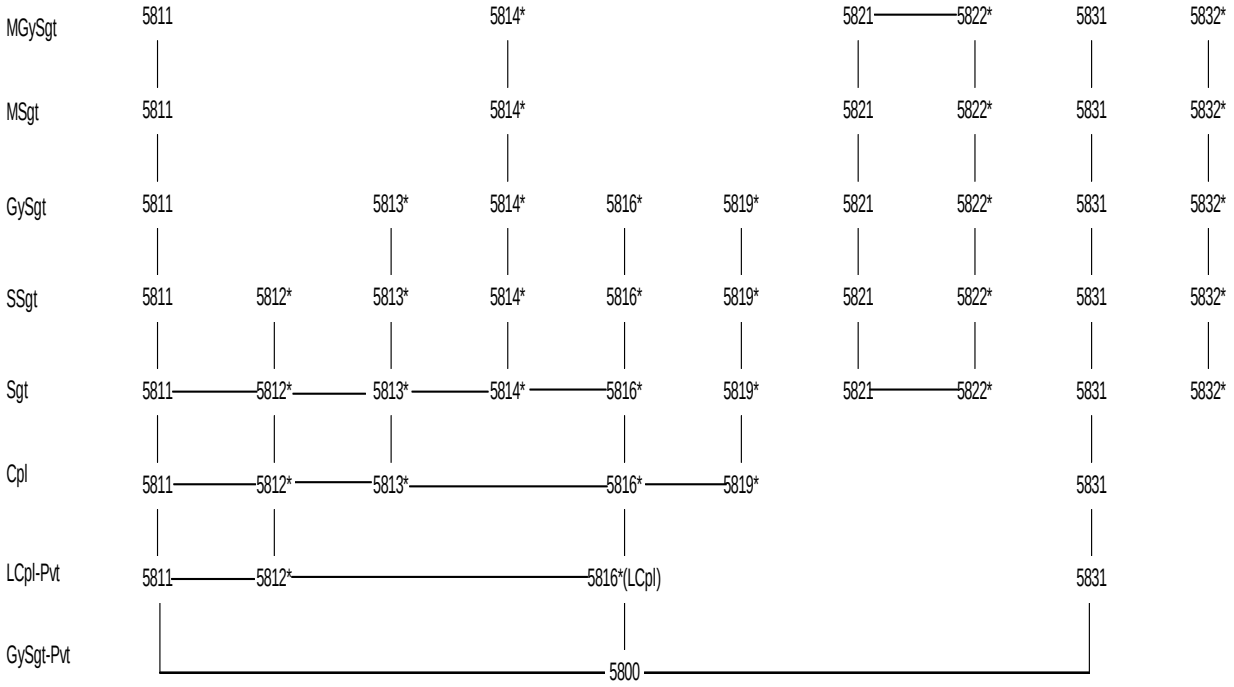
(2) Must have attended a formal course of instruction in counseling, such as the Naval Correctional Counselor Course, Marine Corps Administration Detachment, Lackland AFB, TX; or the Behavior Science Specialists Course, Fort Sam Houston, TX.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.86_, Individual Training Standards (ITS).

d. Related DOT Classification/DOT Code

(1) Corrections Counselor/Caseworker 195.167-030.

(2) Prisoner Interviewer 166.267-022.



MOS	TITLE
5800	Basic Military Police and Corrections Marine
5811	Military Police
*5812	Military Working Dog Handler
*5813	Accident Investigator
*5814	Crime Prevention/Physical Security Specialist
*5816	Special Reaction Team Member
*5819	Military Police Investigator
5821	Criminal Investigator
*5822	Polygraph Examiner
5831	Correctional Specialist
*5832	Correctional Counselor

* Identifies skill designators.

FIGURE 3-27.--Military Police and Corrections Career Structure Chart

MOS 5811, Military Police

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	5811		
MSgt	Law Enforcement (MP) Course USAMPS	Combating Terrorism Aboard Military Installation FBI National Academy Course	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station
GySgt	Law Enforcement MP Course USAMPS MP Advanced NCO	Combating Terrorism Aboard Military Installation Basic CID School Military Police Investigation Course Domestic Violence Intervention Antiterrorism Instructor Qualification Hazardous Material Management of IDS FBI National Academy	**FMF Duty:** FSSG//Div HQ/MAW **Non-FMF Duty:** Base/Station
SSgt	Law Enforcement (MP) Course USAMPS MP Advanced NCO	Combating Terrorism Aboard Military Installation SRT Course Physical Security Course Military Police Investigation Course (MPI) Basic CID School Crime Prevention Techniques and Programs Course Video Uses in Law Enforcement	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station

FIGURE 3-27.--Military Police and Corrections Career Structure Chart

		Selective Traffic Law Enforcement	
		Traffic Accident Reconstruction	
		Traffic Management and Accident Investigation	
		Management of IDS	
		Domestic Violence Intervention	
		SRT Phase II	
		Antiterrorism Instructor Qualification	
Sgt	Law Enforcement (MP) Course MP Basic NCO Course	SRT Course Physical Security Course	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station
		Basic CID School	
		Accident Investigation Course	
		Traffic Accident Reconstruction	
		MWD Handler Course	
		Crime Prevention Techniques and Programs Course	
		Military Police Investigation Course (MPI)	
		MWD Supervisor Course	
		Antiterrorism Instructor Qualification	
		Domestic Violence Intervention	
		Video Uses in Law Enforcement	
		SRT Phase II	

FIGURE 3-27.--Military Police and Corrections Career Structure Chart

Cpl	Law Enforcement (MP) Course MP Basic NCO	SRT Course Physical Security Course Accident Investigation Course MWD Handler Course Military Police Investigation (MPI) Course MWD Supervisor Course Crime Prevention Techniques and Programs Course Video Uses in Law Enforcement SRT Phase II	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station
LCpl	Law Enforcement (MP) Course	SRT Course MWD Handler Course SRT Phase II Crime Prevention and Techniques	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station
Pvt-PFC	Law Enforcement (MP) Course	MWD Handler Course SRT Course	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station

MOS 5812, Military Police Working Dog Handler

Rank	Required Training	Skill Enhancement	MOS Assignment
Pvt-SSgt	Military Working Dog Handler Course	MWD Supervisor Course	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station

FIGURE 3-27.--Military Police and Corrections Career Structure Chart

MOS 5813, Accident Investigator

Rank	Required Training	Skill Enhancement	MOS Assignment
Cpl-GySgt	Traffic Management and Accident Investigation Course	Selective Traffic Law Enforcement Traffic Accident Reconstruction	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station

MOS 5814, Crime Prevention/Physical Security Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt-MGySgt	U.S. Army Military Police Conventional Physical Security Course	Combating Terrorism Aboard Military Installation Crime Prevention Techniques and Programs Course Management of IDS	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station

MOS 5816, Special Reaction Team Member

Rank	Required Training	Skill Enhancement	MOS Assignment
LCpl-GySgt	SRT Course	SRT Phase II	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station

MOS 5819, Military Police Investigator

Rank	Required Training	Skill Enhancement	MOS Assignment
Cpl-GySgt	Military Police Investigator (MPI)	N/A	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station

FIGURE 3-27.--Military Police and Corrections Career Structure Chart

MOS 5821, Criminal Investigator

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	5821		
MSgt	Law Enforcement (MP) Course Apprentice Criminal Investigation Special Agent Course	Hostage Negotiation Combating Terrorism Aboard Military Installation FBI National Academy	**FMF Duty:** FSSG/Div HQ/MAW **Non FMF Duty:** Base/Station/NCIS
GySgt	Law Enforcement (MP) Course Apprentice Criminal Investigation Special Agent Course	Protective Services Course Hostage Negotiation Course DoD Polygraph Examiner Training Course Polygraph Examiner Refresher Refresher Training Course FBI National Academy	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station/NCIS
SSgt	Law Enforcement (MP) Course Apprentice Criminal Investigation Special Agent Course MPANCOC	Protective Services Course Hostage Negotiation Child Abuse Investigation Reid Interviewing Scientific Content Analysis Polygraph Basic	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station/NCIS

FIGURE 3-27.--Military Police and Corrections Career Structure Chart

Sgt	Law Enforcement (MP) Apprentice Criminal Investigation Special Agent Course	Protective Services Hostage Negotiation Course Child Abuse Investigation Reid Interviewing Scientific Content Analysis	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station/NCIS

MOS 5822, Military Police Investigator

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt-SSgt	Apprentice Criminal Investigation Course DoD Polygraph Examiner Training Course	Polygraph Examiner Refresher Training Course Hostage Negotiation Course Protective Services Course Child Abuse Investigation Reid Interviewing Scientific Content Analysis	**FMF Duty:** FSSG/Div HQ/MAW **Non-FMF Duty:** Base/Station

MOS 5831, Corrections Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Hostage Negotiation Course Conventional Physical Security Course Approved American Correctional Association (ACA) Courses	**FMF Duty:** None **Non-FMF Duty:** HQMC/MCRD/MCCDC MCB/Instructor

FIGURE 3-27.--Military Police and Corrections Career Structure Chart

	Approved American Jail Association (AJA) Courses Approved National Institute of Corrections (NIC) Courses Advanced Hostage Negotiations Course Defensive Tactics Instructor Course	
MSgt		**FMF Duty:** None **Non-FMF Duty:** HQMC/USDB/MCCDC/ MCRD/MCAS/MCACU/ MCB/Instructor
GySgt-SSgt	Intermediate Corrections Course Hostage Negotiation Course Conventional Physical Security Course Approved American Correctional Association (ACA) Courses Approved American Jail Association (AJA) Courses Approved National Institute of Corrections (NIC) Courses Advanced Hostage Negotiations Course Defensive Tactics Instructor Course Military Police Investigator Course Non Lethal Individual Weapons Instructors Course	**FMF Duty:** None **Non-FMF Duty:** HQMC/USDB/MCCDC/ MCACU/MCB/ Instructor/ NAVCONBRIG MIRAMAR/ NAVCONBRIGCHASN

FIGURE 3-27.--Military Police and Corrections Career Structure Chart

Sgt		Intermediate Corrections Course	**FMF Duty:** None
Cpl-Pvt	Basic Corrections		**FMF Duty:** None **Non-FMF Duty:** HQMC/MCB/MCCDC/ MCRD/MCAS/MCACU

MOS 5832, Correctional Counselor

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Navy Drug and Alcohol Abuse Counselor Course Mental Health Specialist Course Hostage Negotiation Course Approved American Correctional Association (ACA) Courses Approved American Jail Association (AJA) Courses Approved National Institute of Corrections (NIC) Courses	**FMF Duty:** None **Non-FMF Duty:** HQMC/USDB/MCCDC/ MCB/Instructor/ NAVCONBRIGCHASN
MSgt			**FMF Duty:** None **Non-FMF Duty:** HQMC/USDB/MCCDC/ MCB/
GySgt	Correctional Counselor Course	Mental Health Specialist Course Intermediate Corrections Course Navy Drug and Alcohol Abuse Counselor Course Hostage Negotiation Course	**FMF Duty:** None **Non-FMF Duty:** HQMC/MCB/MCCDC/ MCRD/USDB/MCAS/ Instructor/MCACU

FIGURE 3-27.--Military Police and Corrections Career Structure Chart

	Approved American Correctional Association (ACA) Courses Approved American Jail Association (AJA) Courses Approved National Institute of Corrections (NIC) Courses	
SSgt-Sgt		**FMF Duty:** None **Non-FMF Duty:** HQMC/MCB/MCCDC/ MCRD/MCACU/MCAS/ Instructor

FIGURE 3-27.--Military Police and Corrections Career Structure Chart

3135. **OCCUPATIONAL FIELD 59, ELECTRONICS MAINTENANCE**

1. Introduction. The 5900 electronics maintenance OccFld maintains, operates and repairs organic communication and electronic equipment within the Marine Air Command and Control Systems (MACCS), Marine Aircraft Wings. The MACCS contains sophisticated and modern equipment and systems which include: air defense and surveillance radar systems, aviation radio communication systems, air traffic control systems, command and control tactical data systems, and short range air defense weapon systems. Accordingly, OccFld 5900 personnel must achieve and maintain a high level of technical competence, knowledge, and skills necessary to maintain and operate complex electronic, data, computer, communication, and radar systems. The opportunity to participate in a formal apprenticeship program leading to a Department of Labor Certificate of Apprenticeship Completion may be available in some MOSs within OccFld 5900; refer to MCO 1550.22 for specific information regarding this program. Many skills acquired in the 5900 OccFld are directly transferable to civilian occupations upon leaving the military service. Marines entering this OccFld will receive formal courses of instruction in Basic Electronics followed by detailed instruction involving specific electronic, data, communication, or radar systems. After completion of formal training, a MOS will be assigned which designates a specific job in the electronics maintenance field within the Marine Air Command and Control Systems of the Marine Aircraft Wing.

2. MOS 5912, Avenger System Maintainer (MSgt to Pvt)*

a. Summary. Avenger system maintainers inspect, test, and perform field level repairs on the Avenger Weapons System. This MOS may be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher, not waiverable.

(2) Complete the Avenger System Repair Course, U.S. Army Missile and Munitions Center and School, Redstone Arsenal, AL.

(3) Must be eligible for a secret security clearance.

(4) Must have a minimum of 1 year high school algebra.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

(7) Must possess the primary MOS 5937 or 5939.

c. Duties

(1) MSgt to Pvt:

(a) Assembles and disassembles the Avenger system to include preparation for storage and shipment.

(b) Installs, adjusts, maintains, and repairs the equipment using schematic diagrams and fault isolation procedures.

(c) Performs authorized modifications to equipment.

(2) MSgt to Sgt:

(a) Installs, adjusts, maintains, and repairs the equipment.

(b) Supervises maintenance shop operations to include: work scheduling, production flow, and record maintenance.

(c) Conducts training programs.

(d) Prepares and submits operational reports, forms, and logs.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.261-022.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill. None.

3. MOS 5937, Aviation Radio Repairer (Sgt to Pvt)

a. Summary. Aviation radio repairers install, inspect, test, maintain, and repair aviation ground radio equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher, not waiverable.

(2) Complete the Aviation Radio Repair Course.

(3) Must be eligible for a secret security clearance.

(4) Must have a minimum of 1 year high school algebra.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties

(1) Utilizes the fundamentals of electronics and electricity to analyze schematics, diagnose faults and effect repairs on faulty circuits.

(2) Reads and understands schematics, wiring diagrams, and technical data contained in publications pertaining to aviation ground radio systems.

(3) Assembles and disassembles aviation ground radio systems, preparing them either for shipment or operation, as applicable.

(4) Observes safety precautions in systems maintenance and repair.

(5) Installs, adjusts, maintains, repairs, and makes authorized modifications to aviation ground radio systems.

d. Related DOT Classification/DOT Code

(1) Radio Mechanic 823.261-018.

(2) Electrician, Radio 823.281-014.

e. Related Military Skill. Aviation Radio Technician, 5939.

4. MOS 5939, Aviation Radio Technician (MSgt to Sgt)

a. Summary. Aviation radio technicians install, inspect, maintain, and repair radio and telecommunications equipment used by MACCS units and ensure that all elements operate together as a system.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher, not waiverable.

(2) Must complete the Aviation Radio Technician Course (MOS 5939), and have a minimum of 1 year experience as an MOS 5937. Other 59XX MOSs, and other comparable MOSs (HQMC, APC approved comparable MOSs), may request a waiver IRT with the minimum of 1 year experience as a 5937. HQMC (APC) is the waiver approval authority.

(3) Must be eligible for a secret security clearance.

(4) Must have a minimum of 1 year high school algebra.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties

(1) Prepares and implements inspection and maintenance schedules.

(2) Performs difficult or unusual repairs and makes authorized modifications to applicable equipment.

(3) Gives technical advice concerning requisitioning of applicable components, spare parts, and maintenance equipment.

(4) Demonstrates the technical requirements for compatible operation of various communication system elements and gives advice concerning systems integration and interoperability.

(5) Organizes and administers the installation and maintenance of radio installations of a wing or aviation shore installation.

(6) Supervises personnel of lower grades in the performance of any Marine Corps aviation radio maintenance function.

d. Related DOT Classification/DOT Code

(1) Radio Mechanic 823.261-018.

(2) Electrician, Radio 823.281-014.

e. Related Military Skill. Aviation Radio Repairer, 5937.

5. MOS 5942, Aviation Radar Repairer (Sgt to Pvt)

a. Summary. Aviation radar repairers install, test, adjust, and provide organizational maintenance on the AN/TPS-63B, AN/TPS-59 (V)3, and associated IFF equipment of the TAOC.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher, not waiverable.

(2) Complete the Aviation Radar Repairer Course.

(3) Must be eligible for a secret security clearance.

(4) Must have a minimum of 1-year high school algebra.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties

(1) Uses theory of operation of solid-state devices and vacuum tubes, transformers, motor generators, and electronic circuits (analog and digital).

(2) Operates and performs organizational maintenance of the mechanical coolant and pneumatic units in the radar system.

(3) Assembles and disassembles radar equipment and prepares it for operation or shipment as applicable.

(4) Observes safety precautions in system operation, maintenance, and repair.

(5) Uses fundamentals of electronics, radar circuitry, and theory of electricity and magnetism including alternating and direct current.

(6) Operates, sites, installs, and performs organizational maintenance on IFF equipment.

(7) Operates test equipment utilized in the corrective and preventive maintenance of both radar and IFF equipment.

(8) Performs preventive maintenance on radar and IFF equipment following the maintenance publications.

(9) Tunes, aligns, adjusts, and calibrates the radar and IFF equipment following the instructions in the publications.

(10) Diagnoses malfunctions by visual inspection or by use of available test equipment.

(11) Repairs and/or replaces faulty parts.

(12) Maintains tools and system repair instruments.

(13) Requisitions supplies.

(14) Maintains the required maintenance records and compiles data for reports.

(15) Performs and records preventive maintenance.

(16) Maintains an accurate inventory of equipment.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill. Aviation Radar Technician, 5948.

6. MOS 5948, Aviation Radar Technician (MSgt to Sgt)

a. Summary. Aviation radar technicians site, install, inspect, test, maintain, and repair the TAOC radars, and associated IFF equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher, not waiverable.

(2) Must complete the Aviation Radar Technician Course (MOS 5948), and have a minimum of 1 year experience as an MOS 5942. Other 59XX MOSs and other comparable MOSs (HQMC, APC approved comparable MOSs) may request a waiver IRT the minimum 1-year of experience as a MOS 5942. HQMC (APC) is the waiver approval authority.

(3) Must be eligible for a secret security clearance.

(4) Must have a minimum of 1 year high school algebra.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties

(1) Develops a thorough knowledge of the principles of good electronic shop supervision, proper methods of training electronics personnel, and approved maintenance procedures.

(2) Supervises personnel performing duties in MOS 5942.

(3) Sites, installs, adjusts, maintains, repairs, and makes authorized modifications to the AN/TPS-59 and AN/TPS-63 radars, and associated IFF equipment.

(4) Assists the radar officer in maintaining accountability of all parts of the system.

(5) Requisitions supplies and spare parts.

(6) Assists in the training of subordinates or less qualified personnel.

(7) Installs the radar and IFF equipment either in the Tactical Air Operations Center (TAOC) automated mode or the TAOC "build up" mode.

(8) Performs the more unusual or difficult repairs or modifications to the AN/TPS-59, AN/TPS-63, AN/UPX-27, and AN/UPX-60.

(9) Prepares and implements inspection and maintenance schedules and compiles data for reports.

(10) Organizes and administers facilities for the maintenance and repair of the AN/TPS-59, AN/TPS-63, AN/MPQ-62, AN/UPX-27, and AN/UPX-60.

(11) Operate and repairs the AN/MPQ-62 radar.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill. Aviation Radar Repairer, 5942.

7. MOS 5952, Air Traffic Control Navigational Aids Technician (GySgt to Pvt)

a. Summary. Air traffic control navigational aids technicians survey, site, and install air traffic control navigational aids and instrument landing systems. Make periodic inspections and perform preventive maintenance. Tune, adjust, and align systems for proper operation. Use proper safety procedures in system maintenance and operation. Diagnose and isolate malfunction to the fault, remove and replace the fault, and verify that the malfunction has been corrected. Participate in and provide technical assistance during system flight inspections. Maintain diagnostic tapes, tools, support, and test equipment. Assist in maintaining the maintenance technical library. Assist in maintaining accountability of all parts of the system, including spare parts, and in requisitioning supplies and spare parts. They process and pack system components for storage or shipment. Train subordinates or less qualified personnel. Maintain necessary records of maintenance and compile data for reports. Assist ATC maintenance personnel in MOS 5953 and MOS 5954.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Marine Air Traffic Control Navigational Aids Technician Pipeline Course, Class C, NAS Pensacola, FL.

(3) Gunnery sergeant through sergeant, complete the Maintenance Management System Analysis Course, NAS Pensacola, FL and Marine Air Traffic Control Navigational Aids Technician Pipeline Course at NAS Pensacola, FL.

(4) Eligible for a secret security clearance.

c. Duties

(1) GySgt to Pvt:

(a) Observes and applies proper safety procedures with respect to system operation and maintenance.

(b) Assembles and disassembles systems, preparing them either for operation or shipment, as applicable.

(c) Demonstrates the basic operation of generators that provide input power to the systems.

(d) Performs preventive maintenance on TACANS, homing beacons, instrument landing systems, and records the accomplishment per appropriate Navy publications.

(e) Interprets schematics, wiring diagrams, and technical data contained in publications to maintain TACANS, homing beacons, and instrument landing systems.

(f) Tests, adjusts, and aligns the systems for proper operation.

(g) Recognizes and isolates system malfunctions by using operational and diagnostic programs.

(h) Diagnoses and isolates malfunctions to the fault.

(i) Removes and replaces the fault and verifies that the malfunction has been corrected.

(j) Identifies parts required to be replaced by use of appropriate Navy publications and prepares requisitions to obtain parts from the supply system.

(k) Records corrective maintenance on maintenance action forms per appropriate Navy publications.

(2) GySgt and SSgt:

(a) Makes authorized modifications/field changes to navigational aid systems.

(b) Trains subordinate or less qualified personnel in the proper procedures for maintaining TACANS, homing beacons, and instrument landing systems.

(c) Performs tests to ensure systems performance meets FAA flight certification criteria.

(d) Participates in and provides technical assistance during FAA flight inspections.

(e) Maintains inventory control of assigned support items.

(f) Knows basic principles and functions of operations of air traffic control radar and communication systems.

(3) GySgt and SSgt:

(a) Supervises personnel in the proper procedures for maintaining and operating TACANS, homing beacons, and instrument landing systems.

(b) Initiates and implements maintenance schedules for preventive and corrective maintenance of air traffic control navigational aids.

(c) Prepares maintenance reports in respect to data related to navigational aids.

(d) Prepares lesson guides for the unit's technical training program for navigational aids systems.

(e) Assists air traffic control maintenance chief in all functional areas of air traffic control maintenance.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

8. MOS 5953, Air Traffic Control Radar Technician (GySgt to Pvt)

a. Summary. Air traffic control radar technicians survey, site, and install air traffic control precision approach and surveillance radar systems. Make periodic inspections and perform preventive maintenance. Load operational software, tune, adjust, and align systems for proper operation. Use proper safety procedures in system maintenance and operation. Diagnose and isolate malfunction to the fault, remove and replace the fault; and verify that the malfunction has been corrected. Participate in and provide technical assistance during system flight inspections. Maintain diagnostic and operational tapes, tools, support, and test equipment. Assist in maintaining the maintenance technical library. Assist in maintaining accountability of all parts of the system including software, spare parts, and in requisitioning supplies and spare parts. Process and pack system components for storage or shipment. Train subordinates or less qualified personnel. Maintain necessary records of maintenance and compile data for reports. Assist air traffic control maintenance personnel in MOS 5952 and MOS 5954.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Marine Air Traffic Control Radar Technician Pipeline Course, Class C, NAS Pensacola, FL.

(3) Gunnery sergeant through sergeant must complete the Maintenance Management System Analysis Course, NAS Pensacola, FL.

(4) Eligible for a secret security clearance.

c. Duties

(1) GySgt to Pvt:

(a) Observes and applies proper safety procedures with respect to system operations and maintenance.

(b) Assembles and disassembles systems, preparing them either for operation or shipment, as applicable.

(c) Surveys, sites and installs precision approach radar systems and surveillance radar systems per appropriate directives.

(d) Demonstrates knowledge of the basic operation of generators that provide input power to the systems.

(e) Performs preventive maintenance on precision approach and surveillance radar systems and records the accomplishment per appropriate Navy publications.

(f) Interprets schematics, wiring diagrams, and technical data contained in publications to maintain precision approach and surveillance radar systems.

(g) Tests, adjusts, and aligns the systems for proper operation.

(h) Recognizes and isolates system malfunctions by using operational and diagnostic software programs.

(i) Manages maintenance systems for equipment, repair parts, tools, publication, modifications and records.

(2) GySgt to Sgt:

(a) Makes authorized modifications/field changes to precision approach and surveillance radar systems.

(b) Trains subordinate or less qualified personnel in the proper procedures for maintaining precision approach and surveillance radar systems.

(c) Performs tests to ensure system performance meets FAA flight certification criteria.

(d) Participates in and provides technical assistance during FAA flight inspections.

(e) Utilizes basic principles and functions of operation of air traffic control navigational aids and communications systems.

(3) GySgt and SSgt:

(a) Performs system initialization and verification.

(b) Supervises personnel in the proper procedures for maintaining and operating precision approach and surveillance radar systems.

(c) Schedules preventive maintenance and corrective maintenance of air traffic control radar systems.

(d) Prepares maintenance reports.

(e) Prepares training for radar systems.

(f) Assists air traffic control maintenance chief in all functional areas of air traffic control maintenance.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill. None.

9. MOS 5954, Air Traffic Control Communications Technician (GySgt to Pvt)

a. Summary. Air traffic control communications technicians survey, site, and install air traffic control communications systems. They inspect and perform preventive maintenance for proper operation, and diagnose and repair faults. They provide technical assistance during system flight inspections; maintain diagnostic tapes, tools, support, and test equipment; process and pack system components for storage or shipment; train subordinates or less qualified personnel; conduct maintenance management; and assist air traffic control maintenance personnel in MOS 5952 and MOS 5953.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Marine Air Traffic Control Communications Technician Pipeline Course, Class C, NAS Pensacola, FL.

(3) Gunnery sergeant through sergeant must complete the Maintenance Management System Analysis Course, NAS Pensacola, FL.

(4) Must be eligible for a secret security clearance.

c. Duties

(1) GySgt to Pvt:

(a) Assembles and disassembles systems, preparing them either for operation or shipment, as applicable.

(b) Surveys, sites, and installs transportable air traffic control tower systems per appropriate directives.

(c) Operates generators that provide input power to the systems.

(d) Performs preventive maintenance on air traffic control radio, intercommunications, telephone and tape recorder systems.

(e) Interprets schematics, wiring diagrams, and technical data contained in publications to maintain radio, intercommunications, telephone, and tape recorder systems.

(f) Tests, adjusts, and aligns the systems for proper operation.

(g) Repairs faulty systems.

(h) Conduct maintenance management.

(2) GySgt to Sgt:

(a) Makes authorized modifications/field changes to air traffic control communications systems.

(b) Trains subordinate or less qualified personnel in the proper procedures for maintaining radios, intercommunications, telephones, and tape recorders.

(c) Performs tests to ensure system performance meets FAA flight certification criteria.

(d) Participates in and provides technical assistance during FAA flight inspections.

(3) GySgt and SSgt:

(a) Supervises personnel in the proper procedures for maintaining and operating radio, intercommunication, telephone, and tape recorder systems.

(b) Schedules preventive and corrective maintenance of air traffic control communications systems.

(c) Conducts maintenance management.

(d) Prepares technical training for communications systems.

d. Related DOT Classification/DOT Code. Radio Mechanic 823.261-018.

e. Related Military Skill. None.

10. MOS 5959, Air Traffic Control Systems Maintenance Chief (MGySgt and MSgt)

a. Summary. Air traffic control systems maintenance chiefs supervise, coordinate, and instruct enlisted personnel in the performance of air traffic control maintenance functions. Provide information concerning the capabilities, limitations, and reliability of air traffic control systems and equipment. Instruct operation and maintenance of air traffic control systems. Perform staff support duties in formulating and implementing maintenance and supply plans, provisioning air traffic control systems, and preparing publications and training materials. Supervises surveying, siting, installation, modification, and maintenance tasks. Supervise air traffic control maintenance personnel in MOSs 5952, 5953, and 5954.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete Maintenance Management System Analysis Course, NAS Pensacola, FL.

(3) Eligible for a secret security clearance.

c. Duties

(1) MGySgt and MSgt:

(a) Supervises personnel in the performance of air traffic control maintenance functions.

(b) Inspects and schedules maintenance for air traffic control maintenance personnel.

(c) Instructs personnel in operation and maintenance of air traffic control systems and equipment.

(d) Supervises and assists maintenance personnel in requisitioning parts and supplies from the Navy supply system.

(e) Supervises surveying, siting, installation, or maintenance tasks on air traffic control systems.

(f) Ensures system/equipment performance evaluation and qualification, problem identification, and to measure improvement efforts.

(2) MGySgt:

(a) Provides staff support in planning and implementing the maintenance management of air traffic control systems and equipment.

(b) Assists the maintenance officer in the determination of air traffic control maintenance policy and the inventory management program of air traffic control systems.

d. Related DOT Classification/DOT Code. Communications Electrician Supervisor 823.131-010.

e. Related Military Skill. Electronics Maintenance Chief, 5993.

11. MOS 5962, Tactical Data Systems Equipment (TDSE) Repairer (Sgt to Pvt)

a. Summary. Tactical Data Systems Equipment (TDSE) repairers install, align, inspect, test, maintain and repair electronic modules, assemblies and subassemblies, and systems software of the Marine Air Command and Control Systems (MACCS) Common Hardware.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher, not waiverable.

(2) Complete the Tactical Data Systems Equipment Repair Course (MOS 5962).

(3) Eligible for a secret security clearance.

(4) Minimum of 1 year high school algebra.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties

(1) Demonstrates knowledge of basic electricity and electronics, including theory of digital and analog solid-state circuitry.

(2) Energizes all equipment groups of the TDS.

(3) Aligns/Adjusts all internal TDS subassemblies for proper operation.

(4) Aligns/Adjusts the peripheral equipment inputs for proper operation.

(5) Identifies system malfunctions by utilizing operational and diagnostic computer programs, operations and maintenance panel indications, and other inherent self-test features.

(6) Restores system operation by substituting a good subassembly for a defective one.

(7) Uses special test equipment such as digital, analog, and power supply test sets, general-purpose test equipment, and TDS maintenance publications for the isolation of defective parts on a subassembly.

(8) Uses normal and special hand tools to remove and replace parts on all TDS subassemblies, replace cable connectors, and wire the printed circuit board connectors per approved instructions.

(9) Uses the Marine Corps Technical Publications System to obtain identifying data on parts or maintenance float items in equipment maintenance.

(10) Prepares requisitions for parts and maintenance float items required in equipment maintenance.

(11) Performs maintenance standards checks and/or preventive maintenance on TDS equipment groups, special test equipments, and tools.

(12) Accumulates, records, interprets, and reports equipment maintenance history.

(13) Prepares the TDS for deployment.

(14) Uses the secondary repairable items program and the recoverable items program to restore defective electronics equipment to serviceable condition.

(15) Monitors supply action on requisitions.

d. Related DOT Classification/DOT Code. Electronics Mechanic 828.281-010.

e. Related Military Skill

(1) TDS Administrator, 5974.

(2) TAOM Technician, 5979.

12. MOS 5963, Tactical Air Operations Module Repairer (Sgt to Pvt)

a. Summary. Tactical Air Operations Module (TAOM) repairers install, align, inspect, test, maintain and repair electronic modules, assemblies and subassemblies, and systems software of the Tactical Air Operations Module.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher, not waiverable.

(2) Complete the Tactical Air Operations Module (TAOM) Repair Course (MOS 5963).

(3) Eligible for a secret security clearance.

(4) Minimum of 1 year high school algebra.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties

(1) Demonstrates knowledge of basic electricity and electronics, including theory of digital and analog solid-state circuitry.

(2) Energizes all equipment groups of the TDS.

(3) Aligns/Adjusts all internal TDS subassemblies for proper operation.

(4) Aligns/Adjusts the peripheral equipment inputs for proper operation.

(5) Identifies system malfunctions by utilizing operational and diagnostic computer programs, operations and maintenance panel indications, and other inherent self-test features.

(6) Restores system operation by substituting a good subassembly for a defective one.

(7) Special test equipment such as digital, analog, and power supply test sets, general-purpose test equipment, and TDS maintenance publications for the isolation of defective parts on a subassembly.

(8) Uses normal and special hand tools to remove and replace parts on all TDS subassemblies, replace cable connectors, and wire the printed circuit board connectors per approved instructions.

(9) Uses the Marine Corps Technical Publications System to obtain identifying data on parts or maintenance float items in equipment maintenance.

(10) Prepares requisitions for parts and maintenance float items required in equipment maintenance.

(11) Performs maintenance standards checks and/or preventive maintenance on TDS equipment groups, special test equipments, and tools.

(12) Accumulates, records, interprets, and reports equipment maintenance history.

(13) Prepares the TDS for deployment.

(14) Uses the secondary repairable items program and the recoverable items program to restore defective electronics equipment to serviceable condition.

(15) Monitors supply action on requisitions.

d. Related DOT Classification/DOT Code. Electronics Mechanic 828.281-010.

e. Related Military Skill

(1) TACC Technician, 5974.

(2) TAOM Technician, 5979.

13. MOS 5974, Tactical Data Systems Administrator (TDSA) (MSgt to Sgt)

a. Summary. Tactical Data Systems Administrators (TDSA) perform, supervise, and instruct on the installation, inspection, testing, maintenance, and repair of all systems software configuration, analog and digital circuitry, and performs the functions of systems administrator of the Marine Air Command and Control Systems (MACCS) Common Hardware.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher, not waiverable.

(2) Complete the Tactical Data Systems Administrators Course (MOS 5974) and have a minimum of 1 year experience as a 5962. Other 59XX MOSs and other comparable MOSs (HQMC, APC approved comparable MOSs) may request a waiver IRT the minimum 1-year experience as a 5962. HQMC, APC is the waiver approval authority.

(3) Must be eligible for a secret security clearance.

(4) Must have minimum of 1 year high school algebra.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties

(1) Utilizes the fundamentals of electronics and electricity to analyze schematics, diagnose faults and effect repairs on faulty circuits.

(2) Demonstrates knowledge of the theory of computer digital circuits including Boolean algebra, binary and octal numbering systems, computer terminology, digital logic operations, and complex logic operations.

(3) Uses functions of arithmetic, control, storage, input and output units of electronic digital computers, principles of data storage, computer control, input and output devices, and computer programming.

(4) Reads and understands wiring units, logic units, schematics, and technical data in publications on digital circuitry of TDS.

(5) Utilizes operating functions and missions of various centers of TDS.

(6) Utilizes operational function of TDS as related to tactical data systems of other military services.

(7) Utilizes theory of transmission lines, propagation, propagation characteristics, and siting requirements for HF radio and tropospheric scatter systems.

(8) Installs, operates, performs periodic checks, and repairs digital circuitry of TDS data terminal group and general and special purpose computers, buffers, and other associated peripheral equipment.

(9) Uses special test equipment such as digital card testers, module test sets, and dual trace oscilloscopes (distortion and wave analyzers) for detecting system malfunctions.

(10) Installs, operates, performs periodic checks, makes adjustments, and repairs modules and cards of the elements of the TDS.

(11) Performs fault isolation and repair of etched circuit boards, modules, and subassemblies using card testers, module testers, and other special test equipment.

(12) Supervises performance of personnel working in MOS 596X.

(13) Performs minor maintenance on all special purpose test equipment used to repair cards and modules of the data system.

(14) Keeps necessary records of maintenance performed, reporting system failures, and resupply of failed parts.

(15) Assists the data systems maintenance officer in the performance of duties.

(16) Performs systems administrative functions for the MACCS (MOS 5974).

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill

(1) TACC Repairer, 5962.

(2) TAOM Repairer, 5963.

14. MOS 5979, Tactical Air Operations Module Technician (MSgt to Sgt)

a. Summary. Tactical air operations module technicians perform, supervise, and instruct on the installation, inspection, testing, maintenance, and repair of all analog and digital circuitry of Tactical Air Operations Module.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher, not waiverable.

(2) Must complete the Tactical Air Operations Module (TAOM) Technician Course (MOS 5979), and have a minimum of 1-year experience as an MOS 5963. Other 59XX MOSs and other comparable MOSs (HQMC APC approved comparable MOS) may request a waiver IRT the minimum 1-year experience as a 5963. HQMC (APC) is the waiver approval authority.

(3) Eligible for a secret security clearance.

(4) Minimum of 1 year high school algebra.

(5) Must have normal color vision.

(6) Must be a U.S. citizen.

c. Duties

(1) Utilizes the fundamentals of electronics and electricity to analyze schematics, diagnose faults and effect repairs on faulty circuits.

(2) Demonstrates knowledge of the theory of computer digital circuits including Boolean algebra, binary and octal numbering systems, computer terminology, digital logic operations, and complex logic operations.

(3) Uses functions of arithmetic, control, storage, input and output units of electronic digital computers, principles of data storage, computer control, input and output devices, and computer programming.

(4) Reads and understands wiring units, logic units, schematics, and technical data in publications on digital circuitry of TDS.

(5) Utilizes operating functions and missions of various centers of TDS.

(6) Utilizes operational function of TDS as related to tactical data systems of other military services.

(7) Utilizes theory of transmission lines, propagation, propagation characteristics, and siting requirements for HF radio and tropospheric scatter systems.

(8) Installs, operates, performs periodic checks, and repairs digital circuitry of TDS data terminal group and general and special purpose computers, buffers, and other associated peripheral equipment.

(9) Uses special test equipment such as digital card testers, module test sets, and dual trace oscilloscopes (distortion and wave analyzers) for detecting system malfunctions.

(10) Installs, operates, performs periodic checks, makes adjustments, and repairs modules and cards of the elements of the TDS.

(11) Performs fault isolation and repair of etched circuit boards, modules, and subassemblies using card testers, module testers, and other special test equipment.

(12) Supervises performance of personnel working in MOS 596X.

(13) Performs minor maintenance on all special purpose test equipment used to repair cards and modules of the data system.

(14) Keeps necessary records of maintenance performed, reporting system failures, and resupply of failed parts.

(15) Assists the data systems maintenance officer in the performance of duties.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill

(1) TACC Repairer, 5962.

(2) TAOM Repairer, 5963.

15. MOS 5993, Electronics Maintenance Chief (MGySgt)

a. Summary. Electronics maintenance chiefs supervise and instruct enlisted personnel in the performance of electronics maintenance functions associated with aviation radar units, and assist the radar maintenance officer in supporting the radar maintenance shop both administratively and logistically.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher, not waiverable.

(2) Must have secret security clearance.

(3) Must possess a knowledge of procedure directives and regulations applicable to all functional areas of electronics maintenance.

(4) Must be a U.S. citizen.

(5) Must have previously held 5939, 5948, 5974, or 5979.

c. Duties

(1) Provides authoritative staff support in planning and implementing the maintenance of a wide range of equipment.

(2) Serves as lead technician of a depot, service support team for Marine Air Command and Control Systems.

(3) Assists in the determination of electronic maintenance policy and the inventory management program of an electronic maintenance activity unit or organization.

(4) Performs staff support duties in formulating and implementing maintenance and supply plans, provisioning electronic items, preparing publications

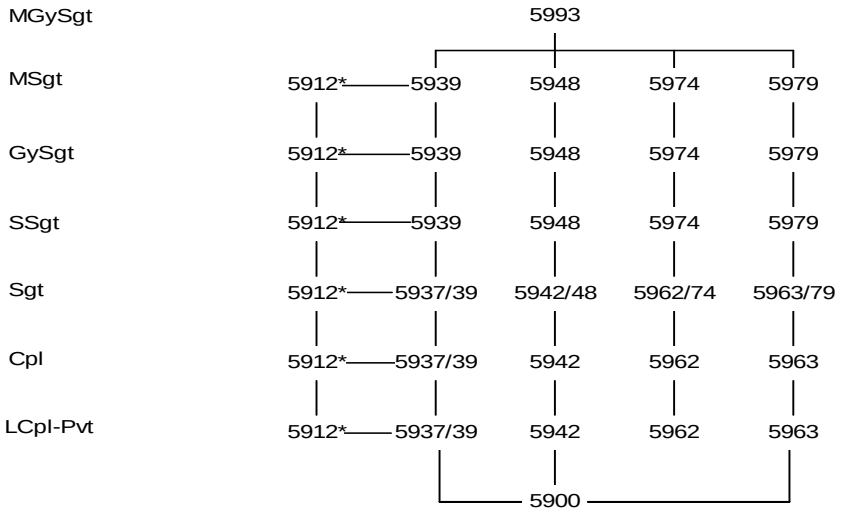
and training materials, and performing difficult or exacting installation, modification, and maintenance tasks.

(5) Coordinates maintenance activities of enlisted personnel engaged in radar, radio, and/or tactical data systems.

(6) Instructs in the theory and maintenance of electronic equipment.

d. Related DOT Classification/DOT Code. Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill. Air Traffic Control Systems Maintenance Chief, 5959.



MOS	TITLE
5900	Basic Electronics Maintenance Marine
*5912	Avenger System Maintainer
5937	Aviation Radio Repairer
5939	Aviation Radio Technician
5942	Aviation Radar Repairer
5948	Aviation Radar Technician
5952	Air Traffic Control Navigational Aids Technician
5953	Air Traffic Control Radar Technician
5954	Air Traffic Control Communications Technician
5959	Air Traffic Control Systems Maintenance Chief
5962	Tactical Data Systems Equipment Repairer
5963	Tactical Air Operations Module Repairer
5974	Tactical Data Systems Administrator
5979	Tactical Air Operations Module Technician
5993	Electronics Maintenance Chief

*Identifies skill designator MOSs only.

FIGURE 3-28.--Electronics Maintenance Career Structure Chart

MOS 5937/5939/5993, Aviation Radio Repairer/Technician/Electronic Maintenance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 5993			**FMF Duty:** MAW/HQ/MACS **Non-FMF Duty:** MAW (R)/MCTSSA/ MCCES/MARCORSYSCOM
MSgt 5939			**FMF Duty:** MTACS/MACS/MASS/ LAAD Bn/Btry **Non-FMF Duty:** MTACS (R)/MACS (R)/ MASS (R)/MCCES/ MARCORSYSCOM/MCTSSA
GySgt 5939			**FMF Duty:** MTACS/MACS/MASS/ LAAD Bn/Btry **Non-FMF Duty:** MTACS (R)/MACS (R)/ MASS (R)/MCTSSA/ MARCORSYSCOM/Ft Bliss/ Restone Arsenal
SSgt 5939			**FMF Duty:** MTACS/MACS/MASS/ LAAD Bn/Btry/MAW **Non-FMF Duty:** MTACS (R)/MACS (R) MASS (R)/LAAD (R)/ MCCES/Ft Bliss/ Restone Arsenal
Sgt 5937/39	Aviation Radio Technician Course		**FMF Duty:** MTACS/MACS/MASS/ LAAD Bn/Btry **Non-FMF Duty:** MTACS (R)/MACS (R) MASS (R)/LAAD (R)/ MCCES/Ft Bliss/Restone Arsenal
Cpl 5937			**FMF Duty:** MTACS/MACS/MASS/ LAAD Bn/Btry **Non-FMF Duty:** MTACS (R)/MACS (R)/ MASS (R)/LAAD (R)/ MCCES/MCAGCC/MCTSSA

FIGURE 3-28.--Electronics Maintenance Career Structure Chart

LCpl-Pvt 5937	Aviation Radio Repair Course	Avenger System Repair Course (AMOS 5912)	**FMF Duty:** MTACS/MACS/MASS/ LAAD Bn/Btry **Non-FMF Duty:** MTACS (R)/MACS (R)/ MASS (R)/LAAD (R)/ MCCES

MOS 5942/5948/5993, Aviation Radar Repairer/Technician/Electronic Maintenance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 5993			**FMF Duty:** MAW/HQ/MACS **Non-FMF Duty:** MAW (R)/MCTSSA/ MCCES/MARCORSYSCOM/
MSgt 5948			**FMF Duty:** MACS/MCLB **Non-FMF Duty:** MACS (R)/MCCES/MCLB
GySgt 5948			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCCES/ MCTSSA/MCLB/ MARCORSYSCOM
SSgt 5948			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCTSSA/ MCCES/MCLB
Sgt 5942/48		Aviation Radar Technician Course	**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCCES/ MCTSSA/MCLB
Cpl 5942			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCCES/ MCTSSA/MCLB

FIGURE 3-28.--Electronics Maintenance Career Structure Chart

LCpl-Pvt 5942	Aviation Radar Repair Course		**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCTSSA/ MCCES/MCLB/MCAGCC

MOS 5952/5959, Air Traffic Control Navigational Aids Technician/Systems Maintenance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 5959			**FMF Duty:** MACS **Non-FMF Duty:** NAS Pensacola
MSgt 5959			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS/ NAS Pensacola/MCLB
GySgt 5952		Marine Air Traffic Control Advanced Technician Course	**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS/ NAS Pensacola
SSgt 5952			**FMF Duty:** MACS **Non-FMF Duty:** MCAS/NAS Pensacola
Sgt 5952			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS NAS Pensacola
Cpl 5952			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS NAS Pensacola
LCpl-Pvt 5952	Marine Air Traffic Control Navigational Aids Technician Course		**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS NAS Pensacola

FIGURE 3-28.--Electronics Maintenance Career Structure Chart

MOS 5953/5959, Air Traffic Control Radar Technician/Systems Maintenance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 5959			**FMF Duty:** MACS **Non-FMF Duty:** NAS Pensacola
MSgt 5959			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS/
GySgt 5953	Marine Air Traffic Control Advanced Technician Course	Marine Air Traffic Control Advanced Technician Course	**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS/ NAS Pensacola
SSgt 5953			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS/ NAS Pensacola
Sgt 5953			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS NAS Pensacola
Cpl 5953			**FMF Duty:** MACS **Non-FMF Duty:** MCAS/NAS Pensacola
LCpl-Pvt 5953	Marine Air Traffic Control Radar Technician Course		**FMF Duty:** MACS **Non-FMF Duty:** MCAS/NAS Pensacola

MOS 5954/5959, Air Traffic Control Communications Technician/Systems Maintenance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 5959			**FMF Duty:** MACS **Non-FMF Duty:** NAS Pensacola

FIGURE 3-28.--Electronics Maintenance Career Structure Chart

MSgt 5959			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS/ NAS Pensacola
GySgt 5954	Marine Air Traffic Control Advanced Technician Course		**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS/ NAS Pensacola
SSgt 5954			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS/ NAS Pensacola
Sgt 5954			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS/ NAS Pensacola
Cpl 5954			**FMF Duty:** MACS **Non-FMF Duty:** MCAS/NAS Pensacola/ MCAGCC
LCpl-Pvt 5954	Marine Air Traffic Control Communications Technician Course		**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCAS NAS Pensacola/MCAGCC

MOS 5962/5974/5993, Tactical Data Systems Equipment Repairer/Tactical Data Systems Administrator/Electronics Maintenance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 5993			**FMF Duty:** MAW HQ/MACS **Non-FMF Duty:** MAW (R)/MCTSSA/ MCCES/MARCORSYSCOM/ MARFORRES
MSgt 5974			**FMF Duty:** MTACS **Non-FMF Duty:** MTACS (R)/MCCES

FIGURE 3-28.--Electronics Maintenance Career Structure Chart

GySgt 5974			**FMF Duty:** MTACS **Non-FMF Duty:** MTACS (R)/Barstow/ MCTSSA/MCCES/MCLB
SSgt 5974		Network Design and System Management Course	**FMF Duty:** MTACS **Non-FMF Duty:** MTACS (R)/MACS (R)/ MASS (R)/MCCES/ MCTSSA
Sgt 5962/74	Tactical Data Systems Administrator Course	Joint Tactical Information Distribution System (JTIDS) Course	**FMF Duty:** MTACS/MACS/MASS **Non-FMF Duty:** MTACS (R)/MACS (R)/ MASS (R)/MCCES/ MCTSSA
Cpl 5962			**FMF Duty:** None **Non-FMF Duty:** MTACS (R)/MACS (R)/ MASS (R)/MCCES/MCTSSA
LCpl-Pvt 5962	Tactical Data Systems Equipment Repair Course		**FMF Duty:** None **Non-FMF Duty:** MCCES/MCTSSA

MOS 5963/5979/5993 Tactical Air Operations Module Repairer/Technician/Electronics Maintenance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 5993			**FMF Duty:** MAW HQ/MACS **Non-FMF Duty:** MAW (R)/MCTSSA/ Albany/MCCES/ MARCORSYSCOM MARFORRES
MSgt 5979			**FMF Duty:** MACS **Non-FMF Duty:** MCCES

FIGURE 3-28.--Electronics Maintenance Career Structure Chart

GySgt 5979			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCTSSA/ MCCES/MARCORSYSCOM/ MCLB
SSgt 5979		Network Design and System Management Course	**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCTSSA/ MCCES
Sgt 5963/79	Tactical Air Operations Module Technician Course	Joint Tactical Information Distribution System (JTIDS)	**FMF Duty:** MACS **Non-FMF Duty:** MCTSSA/MCCES
Cpl 5963			**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCTSSA/ MCCES
LCpl-Pvt 5963	Tactical Air Operations Module Repairer Course		**FMF Duty:** MACS **Non-FMF Duty:** MACS (R)/MCTSSA/ MCCES

FIGURE 3-28.--Electronics Maintenance Career Structure Chart

3136. **OCCUPATIONAL FIELD 60/61/62, AIRCRAFT MAINTENANCE**

1. Introduction. The aircraft maintenance OccFlds includes direct and indirect support of the total airframes and power plant package of all aviation aircraft weapons systems. While there is similarity in the skills required to provide this support, the systems being supported are diverse. The following examples are provided: direct support-repair and servicing at the organizational maintenance activity which is normally accomplished on aircraft, e.g., preflight and servicing of aircraft and their systems; indirect support-repair of components at the intermediate maintenance activity which is normally accomplished off aircraft, e.g., hydraulic actuators, servos, and accumulators, aircraft engines, and transmissions. Marines entering these fields receive MOS 6000, Basic Aircraft Maintenance Marine, and then progress through specific hard skill MOSs. After completion of formal training, Marines are qualified to maintain airframes and aircraft components. The opportunity to participate in a formal apprenticeship program leading to receipt of a Department of Labor Certification of Apprenticeship Completion maybe available in some MOSs within OccFlds 60/61/62; refer to MCO 1550.22 for specific information concerning this program. As the Marine progresses, repair and administrative requirements for multiple systems take on an equal importance until the Marine is placed in a management/supervisory position. Billets for both repair and administration are varied and extend from the squadron level to staff positions at the wing, force commander, and Headquarters U.S. Marine Corps level.

2. MOS 6012, Aviation Maintenance Controller/Production Controller (GySgt to Sgt)*

a. Summary. Aviation maintenance controllers/production controllers are responsible for planning, directing, and controlling the performance and execution of Aviation Maintenance Department functions at the organizational and intermediate levels. They are responsible for technician aircraft maintenance and aeronautical repair that ensure the unit's combat readiness or ability to perform its mission. They must be able to establish department goals and to develop the plans to meet those goals. A high level of expertise is required to supervise the execution of the various tasks encompassed within the wide spectrum of aviation maintenance matters. They must possess a detailed, working knowledge of all Navy-sponsored aviation maintenance programs and processes governed by OPNAVINST 4790.2 (series). In addition, aviation maintenance controllers/production controllers must have detailed knowledge of the Naval Aviation Logistics Command Management Information Systems (NALCOMIS). This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Must be skill qualified in a primary MOS from any of the following OccFlds: 60/61/62, Aircraft Maintenance; 63/64, Avionics; 65, Aviation Ordnance; 73, Navigation Officer and Enlisted Flight Crews.

(2) Complete the Senior Enlisted Aviation Maintenance (SEAM) Course (C-600-3210) at NAMTRAGRUDET Oceana, VA; Jacksonville, FL; North Island, CA; Whidbey Island, WA.

c. Duties

(1) Plans, organizes, directs, and manages the maintenance and repairs of aircraft, aircraft components, and aviation support equipment.

(2) Directs and manages the scheduling of aircraft, aircraft components, and aviation support equipment inspections.

(3) Informs the Aircraft Maintenance Officer of work progress and advises them on matters pertaining to maintenance and repairs of aircraft, aircraft components, and aviation support equipment.

(4) Ensures the material condition and mission capability of weapons systems.

(5) Directs and monitors requisitioning, receipt, and allocations of materials, tools, aircraft components, and aviation support equipment.

(6) Ensures compliance with applicable technical publications through the use of maintenance instruction manuals for the appropriate type/model/series aircraft, associated systems, aviation support equipment, aeronautical components, and aviation equipment.

(7) Ensures all aircraft, aircraft components, and aviation support equipment maintenance data is collected and properly disseminated.

(8) Works closely with the Aviation Supply Department to ensure the required materials, components, and tools are available for use.

d. Related DOT Classification/DOT Code. Superintendent, Maintenance 184.167-174.

e. Related Military Skill. None.

3. MOS 6018, Aviation Quality Assurance Representative (QAR), Collateral Duty Quality Assurance Representative (CDQAR), and Collateral Duty Inspector (CDI) (MGySgt to Cpl)*

a. Summary. Commanding Officers are responsible for the inspection and quality of materials under their cognizance; however, aviation quality assurance representatives, collateral duty quality assurance representatives, and collateral duty inspectors are accountable to the quality assurance officer and aircraft maintenance officer within the Maintenance Department. These QARs, CDQARs, and CDIs are fundamentally responsible for the prevention of the occurrence of defects. The concept embraces all events from the start of the maintenance operation to its completion. They must possess a detailed, working knowledge of all Navy-sponsored aviation maintenance programs and processes governed by OPNAVINST 4790.2 (series). This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Must be skill qualified in a primary MOS from any of the following OccFlds: 60/61/62, Aircraft Maintenance; 63/64 Avionics; 65, Aviation Ordnance; or 73, Navigation Officer and Enlisted Flight Crews.

(2) Must be nominated by the Aircraft Maintenance Officer.

c. Duties. Comply with OPNAVINST 4790.2 (series), chapter 14 for QARs, CDQARs, and CDIs.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. None.

4. MOS 6019, Aircraft Maintenance Chief (MGySgt and MSgt)

a. Summary. Aircraft maintenance chiefs supervise the establishment and functions of a fixed wing/helicopter/tiltrotor/unmanned aerial vehicle maintenance and repair activity. They assist in directing, supervising, and coordinating the activities of aviation-enlisted personnel performing aircraft maintenance duties. They prepare or supervise the preparation of reports, correspondence, schedules, and rosters pertaining to an aircraft maintenance and repair activity. They assist and act as the senior enlisted maintenance advisor to the aircraft maintenance officer in areas of enlisted performance, billet requirements, aviation training, and manning within the aircraft maintenance department. They coordinate and manage aviation maintenance/enlisted aircrew Marines within the squadron, group, wing, MARFOR, and HQMC levels.

b. Requirements/Prerequisites

(1) Must be a qualified MOS 60XX, 61XX, or 62XX.

(2) Must have a secret security clearance.

c. Duties

(1) MGySgt and MSgt:

(a) Supervises and manages all enlisted MOSs within the aircraft maintenance department.

(b) Perform administrative and supervisory functions required in the operation of an aircraft maintenance activity ashore and afloat.

(c) Assists in directing, supervising, and coordinating the activities of enlisted personnel performing aircraft maintenance duties.

(2) MGySgt: Performs capably without supervision.

d. Related DOT Classification/DOT Code. Superintendent, Aircraft Maintenance 184.167-174.

e. Related Military Skill. None.

5. MOS 6023, Aircraft Power Plants Test Cell Operator (GySgt to Cpl)*

a. Summary. Aircraft power plants test cell operators, inspect, test, and perform corrective maintenance to aircraft gas turbine engines and engine systems. Perform test cell operations and minor repairs to test cells. This MOS will be assigned as a skill designator MOS only to qualified aircraft power plants mechanics, MOSs 6122, 6123, 6124, 6222, 6223, 6226, and 6227.

b. Requirements/Prerequisites

(1) Complete appropriate OJT and/or other applicable course(s) of instruction.

(2) Must be qualified in one of the aircraft power plants MOSs.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6023.

d. Related DOT Classification

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill

(1) Aircraft Mechanic, 6112 to 6116, and 6212 to 6217.

(2) Aircraft Power Plants Mechanic, 6122 to 6124, and 6222 to 6227.

6. MOS 6033, Aircraft Nondestructive Inspection Technician (GySgt to Cpl)*

a. Summary. Aircraft nondestructive inspection technicians perform nondestructive testing of metals in aircraft structures and aircraft/engine components. This MOS will be assigned as a skill designator MOS only to qualified Aircraft Structures or Hydraulic Pneumatic Mechanics, MOSs 6092 and 6062.

b. Requirements/Prerequisites

(1) Must be a qualified Structures Mechanic, MOS 6092, or a qualified Hydraulics/Pneumatic Mechanic, MOS 6062.

(2) Minimum 12 months MOS credibility in the rank of SSgt to Cpl.

(3) Complete ionizing radiation pre-placement physical IAW NAVMEDP 5055.

(4) Must have a minimum AFQT score of 55, or a minimum GT score of 105.

(5) Must have a minimum 30 months time in service.

(6) Minimum 24 months obligated service upon completion of the Nondestructive Inspection Technician Course.

(7) Complete the Nondestructive Inspection Technician Course #C-603-3191 at NATTC, NAS Pensacola, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6033.

d. Related DOT Classification/DOT Code. Airframe and Power Plant Mechanic 621.281-014.

e. Related Military Skill. None.

7. MOS 6042, Individual Material Readiness List (IMRL) Asset Manager (MGySgt to Pvt)

a. Summary. Individual material readiness list asset managers manage Individual Material Readiness List (IMRL) asset inventories on Local Asset Management Systems (LAMS), as set forth by the Naval Aviation Maintenance program (NAMP) and the Aircraft Maintenance Material Readiness List (AMMRL) Program at IMRL program reporting activities. They manage IMRL assets at the organizational and immediate levels of maintenance, aviation wings, and Support Equipment Controlling Authorities (SECA). They use logistical management techniques, supply procedures, technical publications, and automated data processing equipment to conduct,

reconcile, and report IMRL assets inventories; acquire and dispose of IMRL assets; train subordinate IMRL asset managers, and conduct liaison with other SECAs.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Must have normal color vision.

(3) Complete appropriate formal school at NAS Meridian, MS (IMRL Asset Manager Course C-555-2020).

(4) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6042.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. None.

8. MOS 6043, Aircraft Welder (GySgt to LCpl)*

a. Summary. Aircraft welders fabricate and repair aircraft metals through basic welding using the Gas/Tungston/Arc/Welding (GTAW) process on aluminum alloys, steel alloys, stainless steel alloys, and precipitating hardening nickel based alloys. This MOS will be assigned as a skill designator MOS only to qualified Aircraft Structures Mechanics, MOS 6092.

b. Requirements/Prerequisites

(1) Qualified as an Aircraft Structures Mechanic, MOS 6092.

(2) Must have vision better than 20/30 for long distance with good depth perception.

(3) Must have normal color vision.

(4) Complete appropriate formal school of instruction (NADEP welding Course #N-701-0007 only).

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6043.

d. Related DOT Classification/DOT Code

(1) Welder, Combination 819.384-010.

(2) Welding Supervisor 819.381-014.

e. Related Military Skill. Metal Worker, 1316.

9. MOS 6046, Aircraft Maintenance Administration Specialist (MGySgt to Pvt)

a. Summary. Aircraft maintenance administration specialist maintain aircraft log books, naval aircraft maintenance publications/files, and prepare reports, logs records, directives, and correspondence in an aircraft maintenance and repair

activity. Initial formal training is at the Aviation Maintenance Administration Course at the Naval Air Station, Meridian, MS. Additionally, they receive training as data processing equipment operators, perform duties on data entry equipment, and supervise the maintenance administration functions within the unit. They are required to set up, operate, and perform minor maintenance on Naval Aviation Logistics Command Management Information System (NALCOMIS) hardware and its associated remote peripheral subsystems. The operator is formally trained at the Data Analysis course at the Naval Air Technical Training Center (NATTC), Pensacola, FL. Aircraft maintenance administration specialists who have successfully completed the Data Analysis Course analyze control charts and program maintenance and man-hour statistical information to aid the maintenance managers and logisticians in the performance of their assigned tasks.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Must be a U. S. citizen.

(3) Basic PC operation/word processing with the capability of 15 words per minute.

(4) Must have a confidential security clearance.

(5) Must have normal color vision.

(6) Complete the Aviation Maintenance Administration Course, Meridian, MS.

(7) Complete the Data Analysis Course, Pensacola, FL (sergeants and above).

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6046.

d. Related DOT Classification/DOT Code

(1) Aircraft Log Clerk.

(2) Computer Peripheral Equipment Operator 213.382-010.

(3) Maintenance Data Analysis 221.367.038.

e. Related Military Skill. None.

10. MOS 6048, Flight Equipment Technician (GySgt to Pvt)

a. Summary. Flight equipment technicians inspect, maintain, and repair parachutes; flight survival equipment; flight equipment; carbon dioxide, and gaseous and liquid oxygen equipment.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6048.

d. Related DOT Classification/DOT Code

(1) Survival Equipment Repairer 739.381-054.

(2) Parachute Rigger 912.684-010.

e. Related Military Skill. Aircraft Safety Equipment Mechanic, MOSs 6282 to 6287.

11. MOS 6049, NALCOMIS Application Administrator/Analyst (MGySgt to Sgt)*

a. Summary. NALCOMIS application administrator/analyst perform data analysis and trend interpretation for developing statistical process control methods in support of aviation information and readiness reporting requirements. Operate and maintain the NALCOMIS application for Marine Aviation Logistic Squadrons or Organizational Maintenance Activities. Additional functions include; use of office automation applications, graphic presentations design and delivery, maintain database integrity on assigned database management servers, collect and organize data, monitor and ensure accuracy of maintenance data, and support network systems administration functions for detachments and up line reporting. This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Must be skill qualified as an Aircraft Maintenance Administration Specialist (MOS 6046).

(2) Must have a satisfactory performance in primary MOS duties for a period of 12 months.

(3) Must have a minimum of 24 months service remaining.

(4) Must have a minimum of WK/AR combined score of 105.

(5) Complete one of the NALCOMIS Aviation Information Systems Administrator/Analyst training tracks (NALCOMIS Aviation Maintenance IMA System Administrator/Analyst Pipeline #C-555-2015), or (NALCOMIS Aviation Maintenance OMA System Administrator/Analyst Pipeline #C-555-2016) at NATTC Pensacola, FL upon initial assignment to an IMA or OMA billet. Personnel reassigned to a different OMA/IMA billet after completing one of the training tracks above must attend one of the following strands: NALCOMIS Aviation Maintenance IMA Database Administrator/ Analyst Strand #C-555-2012, or NALCOMIS Aviation Maintenance OMA Database Administrator/Analyst Strand #C-555-2013 at NATTC Pensacola,

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20. Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6048.

d. Related DOT Classification/DOT Code

(1) Computer Peripheral Equipment Operator 213.382-010.

(2) Maintenance Data Analyst 221.367-038

e. Related Military Skill. None.

12. MOS 6061, Aircraft Intermediate Level Hydraulic/Pneumatic Mechanic-Trainee (GySgt to Pvt)

a. Summary. Aircraft intermediate level hydraulic/pneumatic mechanic-trainees, under instruction or close supervision, train for the aircraft intermediate level hydraulic/pneumatic mechanic MOS.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

c. Duties. Perform duties under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

13. MOS 6062, Aircraft Intermediate Level Hydraulic/Pneumatic Mechanic (GySgt to Pvt)

a. Summary. Aircraft intermediate level hydraulic/pneumatic mechanics inspect, maintain, and repair aircraft intermediate level hydraulic/pneumatic system components.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU NAS LeMoore, CA or NAMTRAU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6062.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Pneumatic Tester and Mechanic 621.381-022.

e. Related Military Skill. None.

14. MOS 6071, Aircraft Maintenance Support Equipment Mechanic-Trainee (GySgt to Pvt)

a. Summary. Aircraft maintenance support equipment mechanics-trainees under instruction or close supervision, train for one of the aircraft maintenance support equipment MOSs.

b. Requirements/Prerequisites

(1) Must possess an MM score 105 or higher.

(2) Must have normal color vision.

c. Duties. Performs duty under instruction.

d. Related DOT Classification/Code. None.

e. Related Military Skill. None.

15. MOS 6072, Aircraft Maintenance Support Equipment Hydraulic/Pneumatic/Structures Mechanic (GySgt to Pvt)

a. Summary. Aircraft maintenance support equipment hydraulic/pneumatic/structures mechanics inspect, maintain, repair, and test aircraft maintenance support equipment (SE), hydraulic/pneumatic/structures systems and system components. Perform duties related to the operation of support equipment. Perform duties related to the licensing of aircraft maintenance personnel in the operation of support/special support equipment.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola FL.

(4) Complete the appropriate formal "C" school at either NAMTRAU, NAS North Island, CA or NAMTRAU, NAS Jacksonville, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6072.

d. Related DOT Classification/DOT Code

(1) Automatic Mechanic 620.261-010.

(2) Aviation support Equipment Repairer 639.281-010.

e. Related Military Skill

(1) Engineer Equipment Mechanic, 1341.

(2) Organizational Automotive Mechanic, 3521.

16. MOS 6073, Aircraft Maintenance Support Equipment Electrician/Refrigeration Mechanic (GySgt to Pvt)

a. Summary. Aircraft maintenance support equipment electricians/refrigeration mechanics install, inspect, test, maintain and repair aircraft support equipment (SE), electrical/instrument and refrigeration and air conditioning equipment, systems and accessories.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at either NAMTRAU, NAS North Island, CA or NAMTRAU, NAS Jacksonville, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6073.

d. Related DOT Classification/DOT Code. Refrigeration Mechanic 637.261-026.

e. Related Military Skill. Refrigeration Mechanic, 1161.

17. MOS 6074, Cryogenics Equipment Operator (GySgt to Pvt)

a. Summary. Cryogenics equipment operators assemble, operate, and maintain liquid oxygen/nitrogen generating plants, storage and aircraft servicing equipment, vaporizing equipment, vacuum pumps, and LOX tank purging units. They operate and maintain purity analysis test equipment to ensure product acceptability.

b. Requirements/Prerequisites

(a) Must possess an MM score of 105 or higher.

(b) Must have normal color vision.

(c) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6074.

d. Related DOT Classification/DOT Code

(1) Oxygen Plant Operator 552.362-014.

(2) Tester, Compressed Gases 549.364-010.

e. Related Military Skill. None.

18. MOS 6091, Aircraft Intermediate Level Structures Mechanic-Trainee (GySgt to Pvt)

a. Summary. Aircraft intermediate level structures mechanics-trainees, under instruction or close supervision, train for the aircraft intermediate level structures MOS.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

c. Duties. Performs duties under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

19. MOS 6092, Aircraft Intermediate Level Structures Mechanic (GySgt to Pvt)

a. Summary. Aircraft intermediate level structures mechanics inspect, maintain, and repair aircraft intermediate level structural components.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU, NAS Lemoore, CA or NAMTRAU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4970.20. Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6092.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

20. MOS 6111, Helicopter/Tiltrotor Mechanic-Trainee (GySgt to Pvt)

a. Summary. Helicopter/Tiltrotor mechanics-trainees, under instruction or close supervision, train for one of the helicopter/tiltrotor mechanic MOSs.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

c. Duties. Performs duties under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

21. MOS 6112, Helicopter Mechanic, CH-46 (GySgt to Pvt)

a. Summary. Helicopter mechanics, CH-46; inspect and maintain helicopter airframes and airframe components and perform duties relating to flight line operation.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground Syllabus Familiarization for type aircraft.

(4) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20. Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6112.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter Power Plants Mechanic, 6122.

22. MOS 6113, Helicopter Mechanic, CH-53 (GySgt to Pvt)

a. Summary. Helicopter mechanics, CH-53; inspect and maintain helicopter airframes and airframe components and perform duties relating to flight line operation.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground Syllabus Familiarization for type aircraft.

(4) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6113.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter Power Plants Mechanic, 6123.

23. MOS 6114, Helicopter Mechanic, UH/AH-1 (GySgt to Pvt)

a. Summary. Helicopter mechanics, UH/AH-1; inspect and maintain helicopter airframes and airframe components and perform duties relating to flight line operation.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground Syllabus Familiarization for type aircraft.

(4) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6114.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter Power Plants Mechanic, 6124.

24. MOS 6116, Tiltrotor Mechanic, MV-22 (GySgt to Pvt)

a. Summary. Tiltrotor mechanics, MV-22; inspect and maintain tiltrotor airframes and airframe components and perform duties relating to flight line operation.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground Syllabus Familiarization for type aircraft.

(4) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6116.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

25. MOS 6122, Helicopter Power Plants Mechanic, T-58 (GySgt to Pvt)

a. Summary. Helicopter power plants mechanics, T-58, inspect, maintain, test, repair, and perform complete repair of helicopter power plants and power plants systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6122.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Mechanic, 6112.

26. MOS 6123, Helicopter Power Plants Mechanic, T-64 (GySgt to Pvt)

a. Summary. Helicopter power plants mechanics, T-64; inspect, maintain, test, repair, and perform complete repair of helicopter power plants and power plants systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6123.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Mechanic, 6113.

27. MOS 6124, Helicopter Power Plants Mechanic, T-400/T-700 (GySgt to Pvt)

a. Summary. Helicopter power plants mechanics, T-400/T-700; inspect, maintain, test, repair, and perform complete repair of helicopter power plants and power plants systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL or NAS North Island, CA.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6124.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Mechanic, 6114.

28. MOS 6132, Helicopter/Tiltrotor Dynamic Components Mechanic (GySgt to Pvt)

a. Summary. Helicopter/Tiltrotor dynamic components mechanics inspect, maintain, test and repair helicopter/tiltrotor dynamic components.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal combined “A” and “C” school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6132.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Power Plants Mechanic, 6122 to 6124.

29. MOS 6151, Helicopter/Tiltrotor Airframe Mechanic-Trainee (GySgt to Pvt)

a. Summary. Helicopter/Tiltrotor airframe mechanic-trainees, under instruction or close supervision, train for one of the helicopter/tiltrotor airframe MOSs.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

c. Duties. Performs duties under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

30. MOS 6152, Helicopter Airframe Mechanic, CH-46 (GySgt to Pvt)

a. Summary. Helicopter airframe mechanics, CH-46; inspect, maintain, and repair helicopter airframe systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6152.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Aircraft Body Repair 807.261-010.

(3) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Airframe Mechanic, 6252 to 6257.

31. MOS 6153, Helicopter Airframe Mechanic, CH-53 (GySgt to Pvt)

a. Summary. Helicopter airframe mechanics, CH-53; inspect, maintain, and repair helicopter airframe systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6153.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Aircraft Body Repair 807.261-010.

(3) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Airframe Mechanic, 6252-6257.

32. MOS 6154, Helicopter Airframe Mechanic, UH/AH-1 (GySgt to Pvt)

a. Summary. Helicopter airframe mechanics, UH/AH-1; inspect, maintain, and repair helicopter airframe systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6154.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Aircraft Body Repair 807.261-010.

(3) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Airframe Mechanic, 6252 to 6257.

33. MOS 6156, Tiltrotor Airframe Mechanic, MV-22 (GySgt to Pvt)

a. Summary. Tiltrotor airframe mechanics, MV-22; inspect, maintain, and repair tiltrotor airframe systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6156.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Aircraft Body Repair 807.261-010.

(3) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Airframe Mechanic, 6252 to 6257.

34. MOS 6162, Presidential Support Specialist (MGySgt to LCpl)*

a. Summary. Presidential support specialists perform duties incident to the mission of the executive flight detachment of HMX-1. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Skill qualified in a primary MOS from any of the following OccFlds: 25, Operational Communications; 58, Military Police and Corrections; 60/61, Aircraft Maintenance; 63/64, Avionics; 65, Aviation Ordnance; 66, Aviation Supply; or 70, Airfield Services.

(2) Must possess a top-secret security clearance.

(3) Must possess a Yankee White (YW) access.

(4) Satisfactory performance of the below-listed duties for the initial 6 months of assignment to the HMX-1 executive flight detachment.

c. Duties

(1) MGySgt to LCpl:

(a) Maintains, distributes, repairs, inspects, tests, crews, and provides security for HMX-1 executive flight detachment helicopter airframes and components.

(b) Performs duties relating to the HMX-1 presidential support mission.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

35. MOS 6172, Helicopter Crew Chief, CH-46 (GySgt to Pvt)

a. Summary. Helicopter crew chiefs, CH-46, are flight crewmembers that perform duties incident to the maintenance and operation of Marine CH-46 helicopters.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Volunteer for duties involving flight as an aircraft crewmember.

(4) Must be a 2d class swimmer or higher.

(5) Must be eligible for a secret security clearance.

(6) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(7) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.

(8) Complete Survival Evasion Resistance and Escape (SERE) School.

(9) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(10) Complete the appropriate formal "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

(11) Complete the appropriate formal "C" school at HMM (T)-164 FRS (Flight Training) MCAS Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.50, Aviation Training and Readiness (T&R) Manual, and MCO P4790.20, Maintenance Training Management and Evaluation program (MATMEP) for MOSs 6112/72.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Helicopter Mechanic, 6112.

36. MOS 6173, Helicopter Crew Chief, CH-53 (GySgt to Pvt)

a. Summary. Helicopter crew chiefs, CH-53; are flight crewmembers that perform duties incident to the maintenance and operation of Marine CH-53 helicopters.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Volunteer for duties involving flight as an aircraft crewmember.

(4) Must be a 2d class swimmer or higher.

(5) Must be eligible for a secret security clearance.

(6) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(7) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.

(8) Complete Survival Evasion Resistance and Escape (SERE) School.

(9) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(10) Complete the appropriate formal (combined) "A" and "C" school at NAMTRA MAR Unit, MCAS New River, N.C.

(11) Complete the appropriate formal "C" school at HMT-302 FRS (Flight Training) MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.51, Aviation Training and Readiness (T&R) Manuals, and MCO P4790.12B, Maintenance Training Management and Evaluation program (MATMEP) for MOSs 6113/6173.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Helicopter Mechanic, 6113.

37. MOS 6174, Helicopter Crew Chief, UH-1 (GySgt to Pvt)

a. Summary. Helicopter crew chiefs, UH-1; are flight crewmembers that perform duties incident to the maintenance and operation of Marine UH-1 helicopters.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Volunteer for duties involving flight as an aircraft crewmember.

(4) Must be a 2d class swimmer or higher.

(5) Must be eligible for a secret security clearance.

(6) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(7) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.

(8) Complete Survival Evasion Resistance and Escape (SERE) School.

(9) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(10) Complete the appropriate formal "A" and "C" school at NAMTRA MAR Unit, MCAS Camp Pendleton, CA.

(11) Complete the appropriate formal "C" school at HMT-303 FRS (Flight Training) MCAS Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.49, Aviation Training and Readiness (T&R) Manuals, and MCO P4690.20, Maintenance Training Management and Evaluation program (MATMEP) for MOSs 6114/6174.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Helicopter Mechanic, 6114.

38. MOS 6176, Tiltrotor Crew Chief, MV-22 (GySgt to Pvt)

a. Summary. Tiltrotor crew chiefs, MV-22; are flight crewmembers who perform duties incident to the maintenance and operation of Marine MV-22 Tiltrotor Aircraft.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Volunteer for duties involving flight as an aircraft crewmember.

(4) Must be a 2d class swimmer or higher.

(5) Must be eligible for a secret security clearance.

(6) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(7) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.

(8) Complete Survival Evasion Resistance and Escape (SERE) School.

(9) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(10) Complete the appropriate formal "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

(11) Complete the appropriate formal "C" school at VMMT-204, FRS (Flight Training) MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.34, Aviation Training and Readiness (T&R) Manual, and MCO P4790.20, Maintenance Training Management and Evaluation program (MATMEF) for MOSs 6116/76.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Tiltrotor Mechanic, 6116.

39. MOS 6177, Weapons and Tactics Crew Chief Instructor (MGySgt to LCpl)*

a. Summary. The weapons and tactics crew chief instructors train qualified crew chiefs in the weapons system for operation in a threat environment. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Designated helicopter/tiltrotor crew chief.

(2) Graduate of the MAWTS-1 WTCCI course.

(3) Must have a final secret security clearance.

c. Duties

(1) Assist in the instruction of crew chiefs and aerial gunners/observers in the development of their tactical proficiency.

(2) Provides instruction in the operation and employment of the weapons system.

(3) Performs classroom and flight instruction on various facets of the weapons system.

(4) Instructs on current enemy capabilities and the tactics to counter enemy threats.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

40. MOS 6178, VH-60N Presidential Helicopter Crew Chief (MGySgt to LCpl)*

a. Summary. Presidential helicopter crew chiefs are flight crewmembers that perform duties incident to the maintenance and operation of Marine VH-60N helicopters of the Executive Flight Detachment at HMX-1. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Skill qualified in a primary MOS from any of the following OccFlds: 60/61, Aircraft Maintenance; 63/64, Avionics; 65, Aviation Ordnance.

(2) Must possess a top-secret security clearance.

(3) Must possess a Yankee White (YW) access.

(4) Satisfactory performance in primary MOS duties for the initial 6 months of assignment to the HMX-1 Executive Flight Detachment.

(5) Must have normal color vision.

(6) Must be a 2d class swimmer or higher.

(7) Volunteer for duties involving flight as an aircraft crewmember.

(8) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(9) Complete all requirements for water survival/water physiology.

(10) Qualified as a Plane Captain per volume II and III of OPNAVINST 4790.2 (NAMP Manual).

(11) Complete all requirements contained in appropriate NATOPS manual or syllabi peculiar to the VH-60N helicopter.

c. Duties.

(1) MGySgt to LCpl:

(a) Performs daily inspections of assigned aircraft.

(b) Assists pilot in his preflight inspection.

(c) Monitors aircraft performance during flight.

(d) Responsible for the embarkation and debarkation of passengers and cargo.

(e) Clears the tail of the aircraft.

(f) Advises pilot of obstacles and other aircraft.

(g) Performs duties as a helicopter mechanic.

(h) Performs in-flight duties of a crew chief as directed by the HAC or appropriate NATOPS Manual.

(i) Monitors weight and balance limitations for the VH-60N aircraft.

(j) Observes applicable material control procedures.

(k) Incorporates airframes changes or bulletins.

(l) Performs engine starting and ground turn up functions (when authorized) not to include engaging of rotors.

(m) Conducts informal OJT/technical training within assigned skill area.

(2) MGySgt to SSgt:

(a) Assists in the supervision and administration of flight line, hangar deck area, and related operations ashore/afloat.

(b) Plans, schedules, and directs work center assignments.

(c) Performs duties as a quality assurance representative.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Helicopter Mechanic, 611X.

41. MOS 6179, VH-3D Presidential Helicopter Crew Chief (MGySgt to LCpl)*

a. Summary. Presidential helicopter crew chiefs are flight crewmembers that perform duties incident to the maintenance and operation of Marine VH-3D helicopters of the Executive Flight Detachment at HMX-1. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Skill qualified in a primary MOS from any of the following OccFlds: 60/61, Aircraft Maintenance; 63/64, Avionics; 65, Aviation Ordnance.

(2) Must possess a top-secret security clearance.

(3) Must possess a Yankee White (YW) access.

(4) Satisfactory performance in primary MOS duties for the initial 6 months of assignment to the HMX-1 Executive Flight Detachment.

(5) Must have normal color vision.

(6) Must be a 2d class swimmer or higher.

(7) Volunteer for duties involving flight as an aircraft crewmember.

(8) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(9) Complete all requirements for water survival/water physiology.

(10) Qualified as a plane captain per volume II and III of OPNAVINST 4790.2 (NAMP Manual).

(11) Complete all requirements contained in appropriate NATOPS manual or syllabi peculiar to the VH-3D helicopter.

c. Duties.

(1) MGySgt to LCpl:

(a) Performs daily inspections of assigned aircraft.

(b) Assists pilot in his preflight inspection.

(c) Monitors aircraft performance during flight.

(d) Responsible for the embarkation and debarkation of passengers and cargo.

(e) Clears the tail of the aircraft.

(f) Advises pilot of obstacles and other aircraft.

(g) Performs duties as a helicopter mechanic.

(h) Performs in-flight duties of a crew chief as directed by the HAC or appropriate NATOPS Manual.

(i) Monitors weight and balance limitations for VH-60N aircraft.

(j) Observes applicable material control procedures.

(k) Incorporates airframes changes or bulletins.

(l) Performs engine starting and ground turn-up functions (when authorized) not to include engaging of rotors.

(m) Conducts informal OJT/technical training within assigned skill area.

(2) MGySgt to SSgt:

(a) Assists in the supervision and administration of flight line, hangar deck area, and related operations ashore/afloat.

(b) Plans, schedules, and directs work center assignments.

(c) Performs duties as a quality assurance representative.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Helicopter Mechanic, 611X.

42. MOS 6199, Enlisted Aircrew/Aerial Observer/Gunner (MGySgt to Pvt)*

a. Summary. Enlisted aircrew/aerial observers/aerial gunners are flight crewmembers that perform duties incident to the operation of Marine helicopters and tiltrotor aircraft. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must have normal color vision.

(2) Volunteer for duties involving flight as an aircraft crewmember.

(3) Must be a 2d class swimmer or higher.

(4) Must be eligible for a secret security clearance.

(5) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(6) Complete all requirement contained in appropriate NATOPS Manual or syllabi peculiar to the aircraft.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.16, Aviation Training and Readiness (T&R) Manuals.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. None.

43. MOS 6211, Fixed-Wing Aircraft Mechanic-Trainee (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft mechanic-trainees, under instruction and close supervision, train for one of the fixed-wing aircraft mechanic MOSs.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

c. Duties. Performs duty under instruction.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. None.

44. MOS 6212, Fixed-Wing Aircraft Mechanic, AV-8/TAV-8 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft mechanics, AV-8/TAV-8; inspect and maintain aircraft airframes and airframe components and perform duties relating to flight line operations.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal vision.

(3) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(4) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(5) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6212.

d. Related DOT Classification/DOT Code

(1) Airframe-and-Power-Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6222.

45. MOS 6213, Fixed-Wing Aircraft Mechanic, EA-6 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft mechanics, EA-6; inspect and maintain aircraft airframes and airframe components and perform duties relating to flight line operations.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(4) Complete the appropriate formal "A" school, NATTC, NAS Pensacola, FL.

(5) Complete the appropriate formal "C" school at NAMTRAU, NAS Whidbey Island, WA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.12B, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6213.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6223.

46. MOS 6214, Unmanned Aerial Vehicle (UAV) Mechanic (GySgt to Pvt)

a. Summary. Unmanned Aerial Vehicle mechanics inspect and maintain UAV airframes and airframe components and perform duties relating to flight line operations.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal school at NAMTRAU, Milton, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6214.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

47. MOS 6216, Fixed-Wing Aircraft Mechanic, KC-130 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft mechanics, KC-130; inspect and maintain aircraft airframes and airframe components and perform duties relating to flight line operations.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(4) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(5) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6216.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6226.

48. MOS 6217, Fixed-Wing Aircraft Mechanic, F/A-18 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft mechanics, F/A-18; inspect and maintain aircraft airframes and airframe components, and perform duties relating to flight line operations.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(4) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(5) Complete the appropriate formal "C" school at NAMTRAU, NAS Lemoore, CA or NAMTRAU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6217.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6227.

49. MOS 6222, Fixed-Wing Aircraft Power Plants Mechanic, F-402 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft power plants mechanics, F-402, inspect, maintain, test, repair, and perform complete repair of aircraft power plants and power plant systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6222.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6212.

50. MOS 6223, Fixed-Wing Aircraft Power Plants Mechanic, J-52 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft power plants mechanics, J-52; inspect, maintain, test, repair, and perform complete repair of aircraft power plants and power plant systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Complete the appropriate formal "A" school, NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU, NAS Whidbey Island, WA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.12B, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6223.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6213.

51. MOS 6226, Fixed-Wing Aircraft Power Plants Mechanic, T-56 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft power plants mechanics, T-56; inspect, maintain, test, repair, and perform complete repair of aircraft power plants and power plant systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Complete the appropriate formal "A" school at NATTC NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6226.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6216.

52. MOS 6227, Fixed-Wing Aircraft Power Plants Mechanic, F-404 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft power plants mechanics, F-404; inspect, maintain, test, repair, and perform complete repair of aircraft power plants and power plant systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU, NAS Lemoore, CA or NAMTRAU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6227.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6217.

53. MOS 6242, Fixed-Wing Aircraft Flight Engineer, KC-130 (MGySgt to Sgt)*

a. Summary. Fixed-Wing aircraft flight engineers, KC-130; monitor all aircraft systems and operate the flight engineer's panel during flight operations. Assist the pilot/copilot in preflight and postflight inspections of the aircraft, supervise servicing functions and record all discrepancies upon completion of flight. Perform the duties of the aircraft mechanic, aircraft power plants mechanic, and KC-130 flight mechanic. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must be qualified in MOS 6276.

(2) Must possess a secret security clearance.

(3) Four years of obligated service upon assignment of MOS 6242.

(4) Complete NAMTRA MAR UNIT Crs M-050-0418 (Flight Engineer Ground School).

(5) Complete VMGRT-253 FRS flight Training requirement as specified in the appropriate NATOPS Manual and outlined in MCO P3500.15, Aviation Training and Readiness (T&R) Manual.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.15, Aviation Training and Readiness (T&R) Manuals, and MCO P4790.20, Maintenance Training Management and Evaluation program (MATMEP) for MOSs 6232/6242.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Flight Engineer 621.261-018.

(3) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill

(1) Fixed-Wing Aircraft Mechanic, 6216.

(2) Fixed-Wing Aircraft Power Plants Mechanic, 6226.

(3) Fixed-Wing Aircraft Flight Mechanic, 6232.

54. MOS 6243, Fixed-Wing Transport Aircraft Specialist, C-9 (MGySgt to LCpl)*

a. Summary. Ground maintenance technicians and crew chiefs are responsible to perform duties incident to the maintenance and operation of Marine C-9 Fixed-Wing Transport Aircraft at VMR-1. This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Complete an appropriate Enlisted Aviation Maintenance Training "A" School.

(2) Must be skill qualified in a primary MOS from any of the following OccFlds: 60/61/62, Aircraft Maintenance; 63/64, Avionics.

(3) Satisfactory performance in primary MOS duties for the initial 6-months of assignment to VMR-1.

(4) Must volunteer for aircrew training.

(5) Complete appropriate C-9 Airframes and Systems Training Course and Flight Safety International (FSI) C-9 Systems Introduction Course.

(6) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department.

(7) Complete all requirements for Water Survival/Water Physiology.

(8) Complete all requirements contained in appropriate NATOPS manual or syllabi peculiar to the C-9 Fixed-Wing Transport Aircraft.

c. Duties

(1) Performs daily, turnaround, and post flight inspections of assigned aircraft.

(2) Performs Phase Inspections of assigned aircraft.

(3) Performs Special Inspections of assigned aircraft.

(4) Troubleshoots and maintains engine and related systems.

(5) Qualify as an APU turn-up (GTCPA5-98D).

(6) Qualify as an Engine turn-up (IT8D).

(7) Reconfigure aircraft to meet required JOSAC/HQMC/CMC missions.

(8) Troubleshoots and maintains electrical power and distribution systems.

(9) Troubleshoots and maintains fire detection systems.

(10) Troubleshoots and maintains instruments and lighting systems.

(11) Troubleshoots and maintains all communication, navigation, and radar systems.

(12) Troubleshoots and maintains hydraulic systems.

(13) Troubleshoots and maintains airframe structures and systems.

(14) Plans, schedules, and directs work center assignments.

(15) Performs duties as a Quality Assurance Representative.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill

(1) Fixed-Wing Aircraft Mechanic, 62XX.

(2) Fixed-Wing Aircraft Flight Engineer, KC-130, 6242.

55. MOS 6244, Fixed-Wing Transport Aircraft Specialist, C-12 (MGySgt to PFC)*

a. Summary. Transport aircrew men are responsible to perform duties incident to the operation of Marine C-12 Fixed-Wing Transport Aircraft. This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Complete an appropriate Enlisted Aviation Maintenance Training "A" School.

(2) Must be skills qualified in a primary MOS from any of the following OccFlds: 60\61\62, Aircraft Maintenance; or 63/64, Avionics.

(3) Must volunteer for aircrew training.

(4) Complete the C-12 Aircraft Systems Course.

(5) Meet the requirement of OPNAVINST 3710.7 and the USN Manual of the Medical Department.

(6) Complete all requirements for Water Survival/Water Physiology.

(7) Complete all requirement contained in appropriate NATOPS manual or syllabi peculiar to the C-12 Fixed-Wing Transport Aircraft.

c. Duties

(1) Performs daily, turnaround and post flight inspection of assigned aircraft.

(2) Perform routine servicing of aircraft as required.

(3) Reconfigure aircraft to meet required JOSAC/HQMC/CMC missions.

(4) Properly manifest passengers before each flight leg as required.

(5) Ensure passenger baggage and/or light cargo is properly weighed and loaded before each flight leg as required.

(6) Ensure aircraft weight and balance form is properly completed before each flight leg as required.

(7) Assist passengers and/or pilots during flight as required.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill

(1) Fixed-Wing Aircraft Mechanic, 62XX.

(2) Fixed-Wing Aircraft Flight Engineer, KC-130, 6242.

56. MOS 6246, Fixed-Wing Transport Aircraft Specialist, C-20 (MGySgt to LCpl)*

a. Summary. Ground maintenance technicians and enlisted aircrews are responsible to perform duties incident to the maintenance and operation of Marine C-20 Fixed-Wing Transport Aircraft at VR-1. This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Complete an appropriate Enlisted Aviation Maintenance Training "A" School.

(2) Must have skills qualified in a primary MOS from any of the following OccFlds: 60\61\62, Aircraft Maintenance; or 63/64, Avionics.

(3) Satisfactory performance in primary MOS duties for initial 6 months of assignment to VR-1.

(4) Must volunteer for aircrew training.

(5) Complete appropriate C-20 Mechanical Systems Organizational Maintenance Initial Course, Avionics/Electrical Systems Organizational Maintenance Course at Flight Safety International, Savannah, GA.

(6) Meet the requirement of OPNAVINST 3710.7 and the USN Manual of the Medical Department.

(7) Complete all requirements for Water Survival/Water Physiology.

(8) Complete all requirement contained in appropriate NATOPS manual or syllabi peculiar to the C-20 Fixed-Wing Transport Aircraft.

c. Duties

(1) Performs daily and turnaround inspections of assigned aircraft.

(2) Performs phase inspections of assigned aircraft.

(3) Performs special inspections of assigned aircraft.

(4) Inspects, tests, troubleshoots, and maintains engine and related systems.

(5) Inspects, tests, troubleshoots, and maintains electrical power and distribution systems.

(6) Inspects, tests, troubleshoots, and maintain fire detection systems.

(7) Inspects, tests, troubleshoots, and maintains instruments and lighting systems.

(8) Inspects, tests, troubleshoots, and maintains all communication, navigation, and radar systems.

(9) Inspects, tests, troubleshoots, and maintains hydraulic systems.

(10) Inspects, tests, troubleshoots, and maintains airframe structures and systems.

(11) Plans, schedules, and directs work center assignment.

(12) Performs duties as a Quality Assurance Representative.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill

(1) Fixed-Wing Aircraft Mechanic, 62XX.

(2) Fixed-Wing Aircraft Flight Engineer, KC-130, 6242.

57. MOS 6247, Fixed-Wing Transport Aircraft Specialist, UC-35 (MGySgt to LCpl)*

a. Summary. UC-35 transport specialists are responsible to perform duties incident to the operation of Marine UC-35 Fixed-Wing Transport Aircraft. This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Complete an appropriate Enlisted Aviation Maintenance Training "A" School.

(2) Must have skills qualified in a primary MOS from any of the following OccFlds: 60\61\62, Aircraft Maintenance; or 63/64, Avionics.

(3) Must volunteer for aircrew training.

(4) Complete the UC-35 Aircraft Systems Course.

(5) Must meet the requirement of OPNAVINST 3710.7 and the USN Manual of the Medical Department.

(6) Complete all requirements for Water Survival/Water Physiology.

(7) Complete all requirements contained in appropriate NATOPS manual or syllabi peculiar to the UC-35 Fixed Wing Transport Aircraft.

c. Duties

(1) Perform daily turnaround and post-flight inspection of assigned aircraft.

(2) Perform routine servicing of aircraft as required.

(3) Reconfigure aircraft to meet required JOSAC/HQMC/CMC missions.

(4) Properly manifest passengers before each flight leg as required.

(5) Ensure passenger baggage and/or light cargo is properly weighed and loaded before each flight leg as required.

(6) Ensure aircraft weight and balance form is properly competed before each flight leg as required.

(7) Assist passengers and/or pilots during flight as required.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

58. MOS 6251, Fixed-Wing Aircraft Airframe Mechanic-Trainee (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft airframe mechanic trainees, under instruction or close supervision, train for one of the aircraft airframe systems technician MOSs.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete respirator physical.

c. Duties. Performs duties under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

59. MOS 6252, Fixed-Wing Aircraft Airframe Mechanic, AV-8/TAV-8 (GySgt to Pvt)

a. Summary. Fixed-Wing Aircraft airframe mechanics, AV-8/TAV-8; inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6252.

d. Related DOT Classification/DOT Code

(1) Aircraft Body Repairer 807.261-010.

(2) Airframe and Power Plant Mechanic 621.281-014.

(3) Pneumatic Tester and Mechanic 621.381-022.

(4) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Airframe Mechanic, 6152 to 6156.

60. MOS 6253, Fixed-Wing Aircraft Airframe Mechanic, EA-6 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft airframe mechanics, EA-6; inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU, NAS Whidbey Island, WA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6253.

d. Related DOT Classification/DOT Code

(1) Aircraft Body Repairer 807.261-010.

(2) Airframe and Power Plant Mechanic 621.281-014.

(3) Pneumatic Tester and Mechanic 621.381-022.

(4) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Airframe Mechanic, 6152 to 6156.

61. MOS 6256, Fixed-Wing Aircraft Airframe Mechanic, KC-130 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft airframe mechanics, KC-130, inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6256.

d. Related DOT Classification/DOT Code

(1) Aircraft Body Repairer 807.261-010.

(2) Airframe and Power Plant Mechanic 621.281-014.

(3) Pneumatic Tester and Mechanic 621.381-022.

(4) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Airframe Mechanic, 6152 to 6156.

62. MOS 6257, Fixed-Wing Aircraft Airframe Mechanic, F/A-18 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft airframe mechanics, F/A-18; inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU, NAS Lemoore, CA or NAMTRAU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6257.

d. Related DOT Classification/DOT Code

(1) Aircraft Body Repairer 807.261-010.

(2) Airframe and Power Plant Mechanic 621.281-014.

(3) Pneumatic Tester and Mechanic 621.381-022.

(4) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Airframe Mechanic, 6152 to 6156.

63. MOS 6276, Fixed-Wing Aircraft Crew Chief, KC-130 (MGySgt to Pvt)

a. Summary. Fixed-Wing aircraft crew chiefs, KC-130; are mission essential aircrew who perform duties incident to the operation and maintenance of the KC-130 aircraft. They perform routine duties incident to the following: turnaround inspections (preflight/post flight), servicing, engine start, taxi, run-up, takeoff, cruise, descent, landing, securing, and normal/emergency procedures. Maintenance training emphasizes familiarization on the following aircraft subsystems: engine, propeller, electrical, bleed air/anti-ice, fuel, hydraulic, and comm/nav. Operational training will familiarize the crew chief with aerial refueling loading and low-level operations.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Volunteer for duties involving flight as an aircraft crewmember.

(4) Must be a 2d class swimmer or higher.

(5) Must be eligible for a secret security clearance.

(6) Must be a U.S. citizen.

(7) Must have 30-months obligated services.

(8) Meet the requirement of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(9) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.

(10) Complete Survival Evasion Resistance and Escape (SERE) School.

(11) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(12) Complete the Plane Captain (PC) ground syllabus for aircraft type.

(13) Complete the appropriate formal "C" schools and appropriate KC-130 Flight Mechanic Organizational Maintenance Course at NAMTRA MAR UNIT, MCAS Cherry Point, NC.

(14) Complete the appropriate formal "C" school at VMGRT-253 FRS (Flight Training), MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.15, Aviation Training and Readiness (T&R) Manual and MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6276.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. None.

64. MOS 6281, Fixed-Wing Aircraft Safety Equipment Mechanic-Trainee (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft safety equipment mechanic trainees, under instruction or close supervision, train for one of the aircraft safety equipment systems technician MOSs.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

c. Duties. Performs duty under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

65. MOS 6282, Fixed-Wing Aircraft Safety Equipment Mechanic, AV-8/TAV-8 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft safety equipment mechanics, AV-8/TAV-8; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6282.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

66. MOS 6283, Fixed-Wing Aircraft Safety Equipment Mechanic, EA-6 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft safety equipment mechanics, EA-6; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU, NAS Whidbey Island, WA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6283.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

67. MOS 6286, Fixed-Wing Aircraft Safety Equipment Mechanic, KC-130 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft safety equipment mechanics, KC-130; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6286.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

68. MOS 6287, Fixed-Wing Aircraft Safety Equipment Mechanic, F/A-18 (GySgt to Pvt)

a. Summary. Fixed-Wing aircraft safety equipment mechanics, F/A-18; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU, NAS Lemoore, CA or NAMTRAU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6287.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

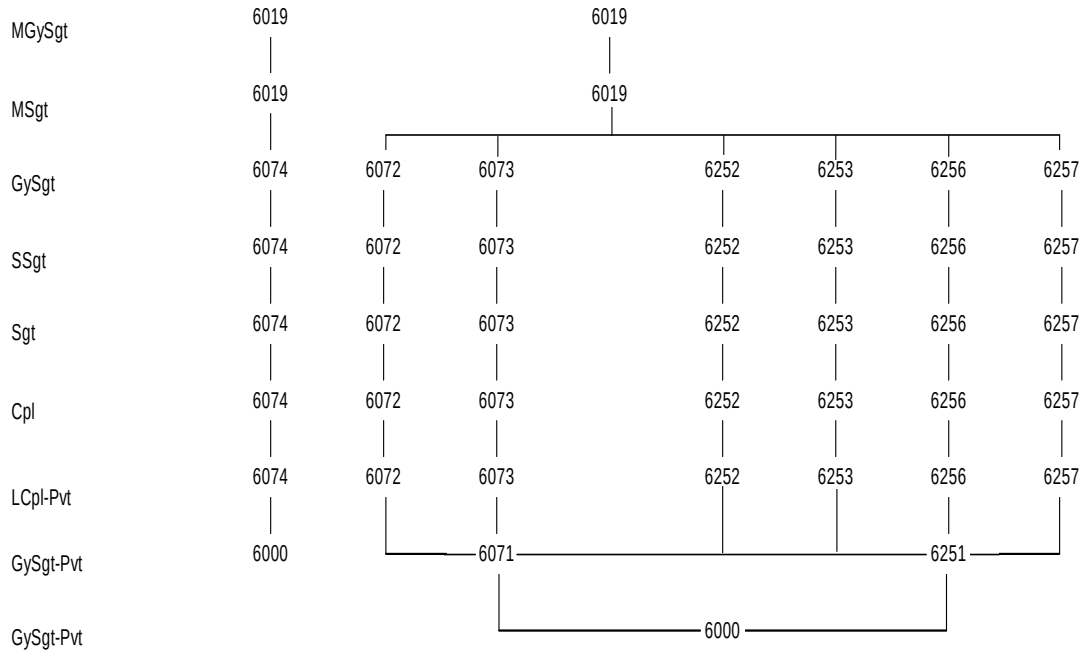
(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

MGySgt		6019				6019			
MSgt		6019				6019			
GySgt	6212	13	14	16	17	6222	23	26	27
SSgt	6212	13	14	16	17	6222	23	26	27
Sgt	6212	13	14	16	17	6222	23	26	27
Cpl	6212	13	14	16	17	6222	23	26	27
LCpl-Pvt	6212	13	14	16	17	6222	23	26	27
GySgt-Pvt	6211		14			6211			
GySgt-Pvt						6000			

MGySgt		6018*				6042	6043*	6046	6049*	6242*	6243*/44*	6246*/47*	6276
MSgt		6018*				6042	6043*	6046	6049*	6242*	6243*/44*	6246*/47*	6276
GySgt	6012*	6018*	6023*	6033*	6034*	6042	6043*	6046	6049*	6242*	6243*/44*	6246*/47*	6276
SSgt	6012*	6018*	6023*	6033*	6034*	6042	6043*	6046	6049*	6242*	6243*/44*	6246*/47	6276
Sgt	6012*	6018*	6023*	6033*	6034*	6042	6043*	6046	6049*	6242*	6243*/44*	6246*/47*	6276
Cpl		6018*	6023*	6033*	6034*	6042	6043*	6046			6243*/44*	6246*/47	6276
LCpl-Pvt						6042	6043*	6046			6243*/44*	6246*/47**	6276
GySgt-Pvt									6000				

FIGURE 3-29.--Aircraft Maintenance Career Structure Chart



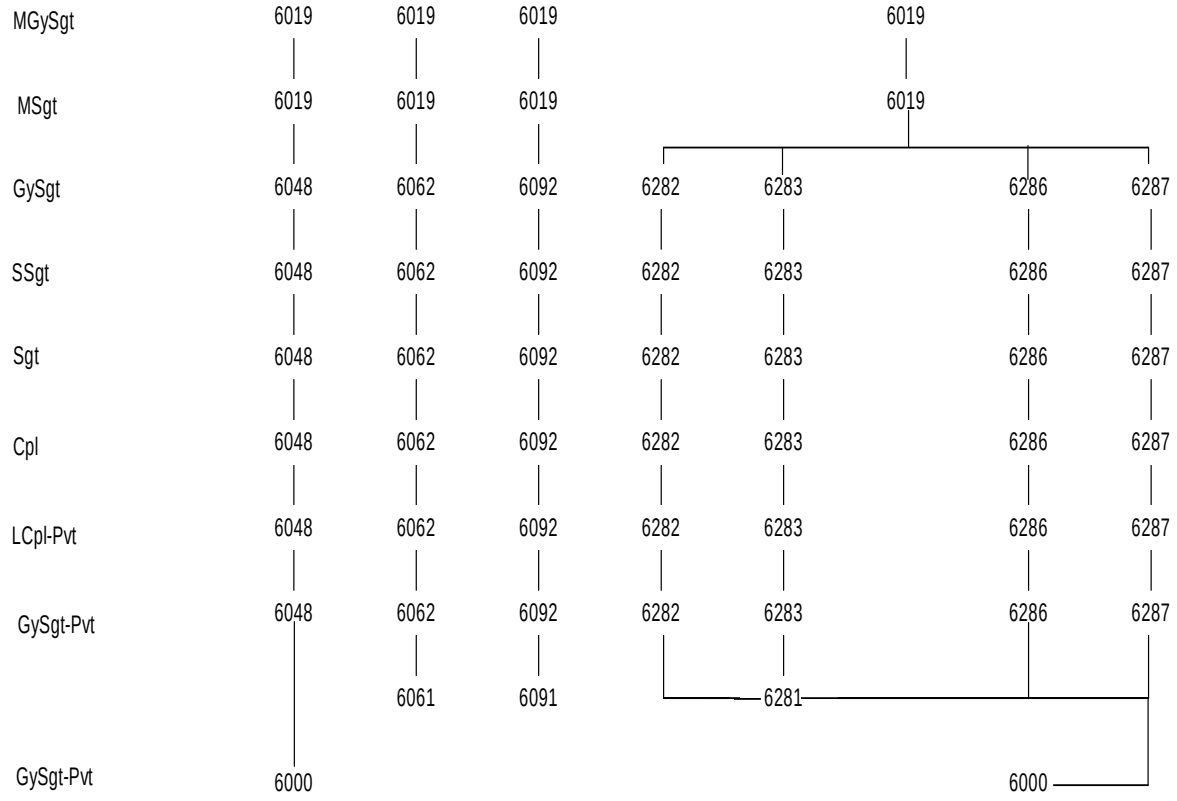
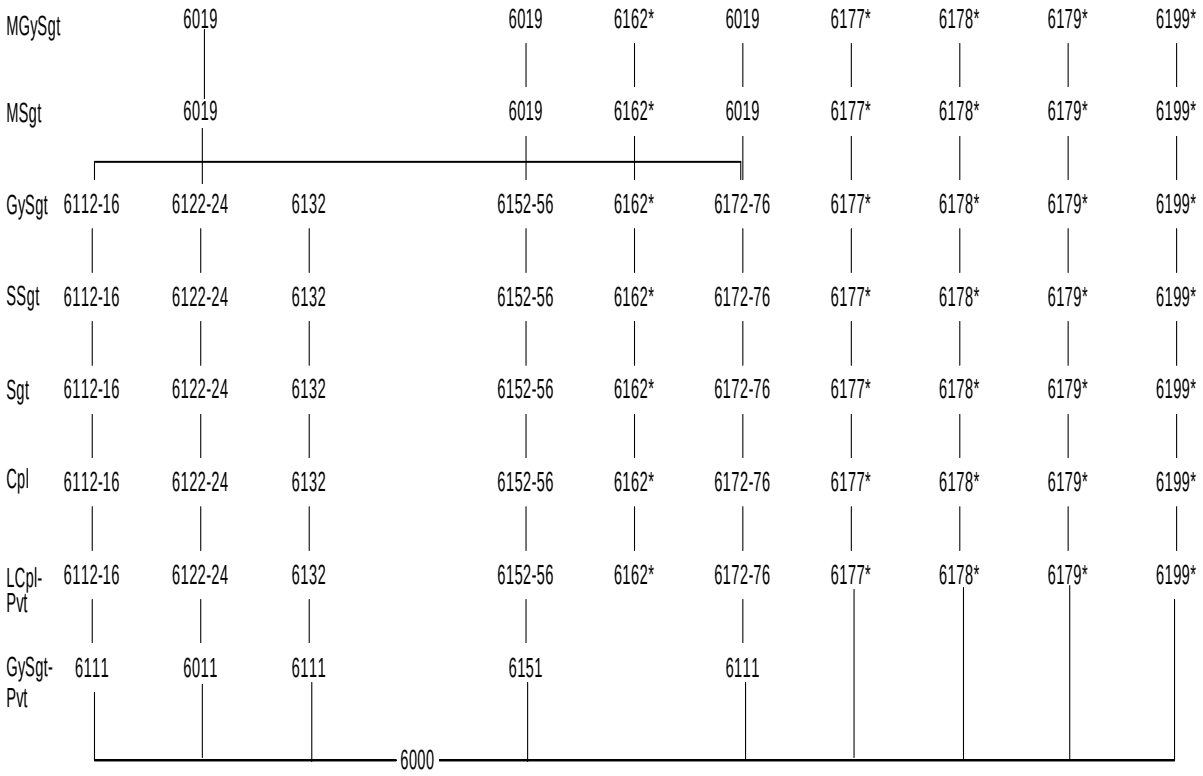


FIGURE 3-29.--Aircraft Maintenance Career Structure Chart



* Identifies skill designator MOSs only.

MOS	TITLE
6000	Basic Aircraft Maintenance Marine
*6012	Aviation Maintenance Controller/Production Controller
*6018	Aviation Quality Assurance Representative (QAR), Collateral Duty Quality Assurance Representative (CDQAR), and Collateral Duty Inspector (CDI)
6019	Aircraft Maintenance Chief
*6023	Aircraft Power Plants Test Cell Operator
*6033	Aircraft Nondestructive Inspection Technician
6042	Individual Material Readiness List (IMRL) Asset Manager
*6043	Aircraft Welder
6046	Aircraft Maintenance Administrative Specialist
6048	Flight Equipment Technician
*6049	NALCOMIS Application Administrator/Analyst
6061	Aircraft Intermediate Level Hydraulic/Pneumatic Mechanic-Trainee
6062	Aircraft Intermediate Level Hydraulic/Pneumatic Mechanic
6071	Aircraft Maintenance Support Equipment (GSE) Mechanic-Trainee
6072	Aircraft Maintenance GSE Hydraulic/Pneumatic/Structures Mechanic
6073	Aircraft Maintenance GSE Electrician/Refrigeration Mechanic
6074	Cryogenics Equipment Operator
6091	Aircraft Intermediate Level Structures Mechanic-Trainee
6092	Aircraft Intermediate Level Structures Mechanic

FIGURE 3-29.--Aircraft Maintenance Career Structure Chart

6111	Helicopter Mechanic-Trainee
6112	Helicopter Mechanic, CH-46
6113	Helicopter Mechanic, CH-53
6114	Helicopter Mechanic, A/UH-1
6116	Tiltrotor Mechanic, MV-22
6122	Helicopter Power Plants Mechanic, T-58
6123	Helicopter Power Plants Mechanic, T-64
6124	Helicopter Power Plants Mechanic, T-400/T-700
6132	Helicopter Tiltrotor Dynamic Components Mechanic
6151	Helicopter/Tiltrotor Airframe Mechanic-Trainee
6152	Helicopter Airframe Mechanic, CH-46
6153	Helicopter Airframe Mechanic, CH-53
6154	Helicopter Airframe Mechanic, UH/AH-1
6156	Tiltrotor Airframe Mechanic, MV-22
*6162	Presidential Support Specialist
6172	Helicopter Crew Chief, CH-46
6173	Helicopter Crew Chief, CH-53
6174	Helicopter Crew Chief, UH-1
6176	Tiltrotor Crew Chief, MV-22
*6177	Weapons and Tactics Crew Chief Instructor
*6178	VH-60N Presidential Helicopter Crew Chief
*6179	VH-3D Presidential Helicopter Crew Chief
*6199	Enlisted Aircrew/Aerial Observer/Gunner
6211	Fixed-Wing Aircraft Mechanic-Trainee
6212	Fixed-Wing Aircraft Mechanic, AV-8/TAV-8
6213	Fixed-Wing Aircraft Mechanic, EA-6
6214	Unmanned Aerial Vehicle (UAV) Mechanic
6216	Fixed-Wing Aircraft Mechanic, KC-130
6217	Fixed-Wing Aircraft Mechanic, F/A-18
6222	Fixed-Wing Aircraft Power Plants Mechanic, F-402
6223	Fixed-Wing Aircraft Power Plants Mechanic, J-52
6226	Fixed-Wing Aircraft Power Plants Mechanic, T-56
6227	Fixed-Wing Aircraft Power Plants Mechanic, F-404
*6242	Fixed-Wing Aircraft Flight Engineer, KC-130
*6243	Fixed-Wing Transport Aircraft Specialist, C-9
*6244	Fixed-Wing Transport Aircraft Specialist, C-12
*6246	Fixed-Wing Transport Aircraft Specialist, C-20
*6247	Fixed-Wing Transport Aircraft Specialist, UC-35
6251	Fixed-Wing Aircraft Airframe Mechanic-Trainee
6252	Fixed-Wing Aircraft Airframe Mechanic, AV-8/TAV-8
6253	Fixed-Wing Aircraft Airframe Mechanic, EA-6
6256	Fixed-Wing Aircraft Airframe Mechanic, KC-130
6257	Fixed-Wing Aircraft Airframe Mechanic, F/A-18
6276	Fixed-Wing Aircraft Crew Chief, KC-130
6281	Fixed-Wing Aircraft Safety Equipment Mechanic-Trainee
6282	Fixed-Wing Aircraft Safety Equipment Mechanic, AV-8/TAV-8
6283	Fixed-Wing Aircraft Safety Equipment Mechanic, EA-6
6286	Fixed-Wing Aircraft Safety Equipment Mechanic, KC-130/MV-22
6287	Fixed-Wing Aircraft Safety Equipment Mechanic, F/A-18

* Identifies a skill designator MOS.

FIGURE 3-29.--Aircraft Maintenance Career Structure Chart

3137. **OCCUPATIONAL FIELD 63/64, AVIONICS**

1. Introduction. The avionics OccFld includes direct and indirect support of all aviation weapon systems. While there is a large similarity in the skills required to provide this support, the systems being supported are diverse. The following examples are provided: direct support repair accomplished at the organizational maintenance activity (OMA)which is normally accomplished on aircraft, e.g., replacement of the radar antenna on the aircraft; indirect support-repair accomplished at the intermediate maintenance activity (IMA) which is normally accomplished off aircraft, e.g., radar system module repair, and repair/calibration of the radar support equipment. Marines entering the OccFld receive MOS 6300, Basic Avionics Marine, then progress through specific hard skill MOSs and ultimately are assigned MOS 6391, Avionics Maintenance Chief. Qualifications initially include technical proficiency in the repair of one or more electronic systems after completion of formal training. As the Marine is promoted, repair and administrative requirements for multiple systems take on an equal importance until the Marine is ultimately placed in a supervisory position. Billets for both repair and administration are varied and extend from the squadron level to staff positions at the Wing and force commander level.

2. MOS 6311, Aircraft Communications/Navigation/Electrical/Weapon Systems Technician-Trainee, OMA (GySgt to Pvt)

a. Summary. Aircraft communications/navigation/electrical/weapon systems technicians-trainees train for a specific aircraft communications/navigation/ electrical/weapon systems technician MOS through formal school training and/or OJT while under instruction and/or close supervision. Trainees also perform routine duties relative to inspection, maintenance, and repair of installed Communications/ Navigation/Electrical/Weapon Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Must have a confidential security clearance.

(4) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL, or equivalent.

(5) Must have normal color perception.

c. Duties. GySgt to Pvt: Performs duty under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

3. MOS 6312, Aircraft Communications/Navigation/Weapon Systems Technician, AV-8 (GySgt to Pvt)

a. Summary. Aircraft communications/navigation/weapon systems technicians, AV- 8, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/ Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on the COMM/NAV/WPN/Radar systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/weapon systems technician (OMA) on the AV-8 aircraft.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a confidential security clearance.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6312.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

4. MOS 6313, Aircraft Communications/Navigation/Radar Systems Technician, EA-6 (GySgt to Pvt)

a. Summary. Aircraft communications/navigation/radar systems technicians, EA-6, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/ Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on the COMM/NAV/Radar system, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/radar systems technician (OMA) on the EA-6 aircraft.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a confidential security clearance.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6313.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

5. MOS 6314, Unmanned Aerial Vehicle (UAV) Avionics Technician (GySgt to Pvt)

a. Summary. Unmanned aerial vehicle (UAV) avionics technicians install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Is a graduate of UAV Electronic Technician Course at NAMTRA GRU DET, Milton, FL.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a confidential security clearance.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6314.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

6. MOS 6316, Aircraft Communications/Navigation Systems Technician, KC-130 (GySgt to Pvt)

a. Summary. Aircraft communications/navigation systems technicians, KC-130, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

` (1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on the COMM/NAV systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation systems technician (OMA) on the KC-130 aircraft.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a confidential security clearance.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6316.

d. Requirements/Prerequisites

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

7. MOS 6317, Aircraft Communications/Navigation/Weapon Systems Technician, F/A-18 (GySgt to Pvt)

a. Summary. Aircraft communications/navigation/weapon systems technicians, F/A-18, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on the COMM/NAV/WPN systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/weapon systems technician (OMA) on the F/A-18 aircraft.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a confidential security clearance.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6317.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

8. MOS 6322, Aircraft Communications/Navigation/Electrical Systems Technician, CH-46 (GySgt to Pvt)

a. Summary. Aircraft communications/navigation/electrical systems technicians, CH-46, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/ Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on the COMM/NAV/ELEC systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/electrical systems technician (OMA) on theCH-46.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a confidential security clearance.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6322.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

9. MOS 6323, Aircraft Communications/Navigation/Electrical Systems Technician, CH-53 (GySgt to Pvt)

a. Summary. Aircraft communications/navigation/electrical systems technicians, CH-53, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/

Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on the COMM/NAV/ELEC systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/electrical systems technician (OMA) on the CH-53.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a confidential security clearance.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6323.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

10. MOS 6324, Aircraft Communications/Navigation/Electrical/Weapon Systems Technician, U/AH-1 (GySgt to Pvt)

a. Summary. Aircraft communications/navigation/electrical/weapon systems technicians, U/AH-1, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on the COMM/NAV/ELEC/WPN systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/electrical/weapons systems technician (OMA) on the U/AH-1.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a confidential security clearance.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6324.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

11. MOS 6326, Aircraft Communications/Navigation/Electrical/Weapon Systems Technician, V-22 (GySgt to Pvt)

a. Summary. Aircraft communications/navigation/electrical/weapon systems technicians, V-22, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/ Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on the COMM/NAV/ELEC/WPN systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/electrical/weapons systems technician (OMA) on the V-22 aircraft.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a confidential security clearance.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6326.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

12. MOS 6331, Aircraft Electrical Systems Technician-Trainee (GySgt to Pvt)

a. Summary. Aircraft electrical systems technicians/trainees train for a specific aircraft electrical systems technician MOS through formal school training and/or OJT and under close supervision/instruction perform routine duties relative to inspection, maintenance, and repair of installed aircraft electrical systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete the Aviation Electricians Mate School, Class A, AE (A), at NATTC, Pensacola, FL, or equivalent.

(4) Must have a confidential security clearance.

(5) Must have normal color vision.

c. Duties. Performs duty under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

13. MOS 6332, Aircraft Electrical Systems Technician, AV-8 (GySgt to Pvt)

a. Summary. Aircraft electrical systems technicians, AV-8, install, remove, inspect, test, maintain, and repair system, component, and ancillary equipment of installed aircraft electrical systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on electrical systems, and has completed a sufficient period of OJT to qualify as an aircraft electrical systems technician on the AV-8 aircraft.

(3) Must be a U.S. citizen.

(4) Must have a confidential security clearance.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6332.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Electrician Supervisor 829.131-014.

e. Related Military Skill. None.

14. MOS 6333, Aircraft Electrical Systems Technician, EA-6 (GySgt to Pvt)

a. Summary. Aircraft electrical systems technicians, EA-6, install, remove, inspect, test, maintain, and repair system, component, and ancillary equipment of installed aircraft electrical systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on electrical systems, and has completed a sufficient period of OJT to qualify as an aircraft electrical systems technician on the EA-6 aircraft.

(3) Must be a U.S. citizen.

(4) Must have a confidential security clearance.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6333.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Electrician Supervisor 829.131-014.

e. Related Military Skill. None.

15. MOS 6336, Aircraft Electrical Systems Technician, KC-130 (GySgt to Pvt)

a. Summary. Aircraft electrical systems technicians, KC-130, install, remove, inspect, test, maintain, and repair system, component, and ancillary equipment of installed aircraft electrical systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on electrical systems, and has completed a sufficient period of OJT to qualify as an aircraft electrical systems technician on the KC-130 aircraft.

(3) Must be a U.S. citizen.

(4) Must have a confidential security clearance.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6336.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Electrician Supervisor 829.131-014.

e. Related Military Skill. None.

16. MOS 6337, Aircraft Electrical Systems Technician, F/A-18 (GySgt to Pvt)

a. Summary. Aircraft electrical systems technicians, F/A-18, install, remove, inspect, test, maintain, and repair system, component, and ancillary equipment of installed aircraft electrical systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on electrical systems, and has completed a sufficient period of OJT to qualify as an aircraft electrical systems technician on theF/A-18 aircraft.

(3) Must be a U.S. citizen.

(4) Must have a confidential security clearance.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6337.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Electrician Supervisor 829.131-014.

e. Related Military Skill. None.

17. MOS 6386, Aircraft Electronic Countermeasures Systems Technician, EA-6B (GySgt to Pvt)

a. Summary. Aircraft electronic countermeasures systems technicians install, remove, inspect, test, maintain, and repair system, components, and ancillary equipment of installed Aircraft Electronic Countermeasures Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on EA-6B electronic countermeasures systems and have completed a sufficient period of OJT to qualify as an aircraft electronic countermeasures technician on the EA-6B aircraft.

(4) Must have a confidential security clearance.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and duties, refer to MCO 4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6386.

d. Related DOT Classification/DOT Code

(a) Avionics Technician 823.281-010.

(b) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

18. MOS 6391, Avionics Maintenance Chief (MGySgt and MSgt)

a. Summary. Avionics maintenance chiefs, as noncommissioned officers in charge of the avionics division, supervise maintenance and repair of aircraft avionics systems, equipment, and components at the IMA/OMA levels.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must have a secret security clearance.

(3) Must be a U.S. citizen.

c. Duties

(1) MGySgt and MSgt:

(a) Demonstrates proficiency in appropriate 63XX and 64XX lower level MOSs.

(b) Demonstrates a thorough working knowledge of the NAMP and 3M procedures.

(c) Ensures facilities are organized to support the maintenance and repair of avionics systems, equipment, or components at the IMA/OMA levels.

(d) Requisitions spare/replacement parts and necessary work center supplies and equipment using publications and supply documents.

(e) Maintains appropriate records of all maintenance and inspection actions performed, technical training conducted, and organic equipment assigned to the avionics division.

(f) Possesses a thorough understanding and working knowledge of sound management principles, work center supervision, proper methods of training personnel, and accepted and approved avionics maintenance procedures.

(2) MGySgt:

(a) Possesses a thorough understanding and working knowledge of Marine Corps administrative procedures including the format, preparation, and submission of naval messages.

(b) Demonstrates a thorough understanding of Marine Corps aviation staff organization and functioning of the Marine Aviation Logistic Squadron, Marine Aircraft Wing, and FMF Headquarters levels.

d. Related DOT Classification/DOT Code

(1) Supervisor, Avionics Shop 823.131-018.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill. None.

19. MOS 6411, Aircraft Communications/Navigation Systems Technician-Trainee, IMA (GySgt to Pvt)

a. Summary. Aircraft communications/navigation systems technician-trainees train for a specific aircraft communications/navigation systems technician MOS through formal school training and/or OJT while under instruction and/or close supervision. Trainees also perform routine duties relative to inspection, maintenance, and repair of communications/navigation system components at the IMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Must have a confidential security clearance.

(4) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL, or equivalent.

c. Duties. GySgt to Pvt: Performs duty under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

20. MOS 6412, Aircraft Communications Systems Technician, IMA (Sgt to Pvt)

a. Summary. Aircraft communications systems technicians, IMA, at the IMA level, inspect, test, maintain, and repair components, assemblies, subassemblies, modules, cards, printed circuit boards, and ancillary equipment whose aggregate constitutes a complete aircraft communications system or subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete the appropriate NAMTRAU, or equivalent to IMA maintenance course on aircraft communications systems, and have completed a sufficient period of OJT to qualify as an aircraft communications systems technician, IMA.

(4) Must have a confidential security clearance.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 4970.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6412.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. Aircraft Communications/Navigation System Technician, OMA, 6312-24.

21. MOS 6413, Aircraft Navigation Systems Technician, IFF/RADAR/TACAN, IMA (Sgt to Pvt)

a. Summary. Aircraft navigation systems technicians, IFF/Radar/TACAN, at the IMA level, inspect, test, maintain, and repair components, assemblies, subassemblies, modules, cards, printed circuit boards, and ancillary equipment whose aggregate constitutes a complete aircraft navigation system or subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete at least one NAMTRAU, or equivalent to IMA maintenance course on aircraft navigational equipment, and have completed a sufficient period of OJT to qualify as an aircraft navigation systems technician, IMA.

(4) Must have a confidential security clearance.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP), for MOS 6413.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. Aircraft Communications/Navigation System Technician, OMA, 6312-24.

22. MOS 6414, Advanced Aircraft Communications/Navigation Systems Technician, IMA (GySgt and SSgt)

a. Summary. Advanced aircraft communications/navigation systems technicians at the IMA inspect, test, maintain, and repair weapon replaceable assemblies, shop replaceable assemblies, and ancillary equipment whose aggregate constitutes a complete aircraft communications/navigation system beyond normal fault isolation procedures.

b. Requirements/Prerequisites

(1) Must satisfy the requirements/prerequisites for MOSs 6412, 6413.

(2) Must have normal color vision.

c. Duties

(1) GySgt and SSgt:

(a) Possesses a thorough understanding and working knowledge of sound management principles, work center supervision, proper methods of training personnel, and accepted and approved naval aviation maintenance procedures.

(b) Performs quality assurance inspections for maintenance actions performed on equipment/components at the IMA level.

(c) Assists in the planning and scheduling of work center assignments.

(d) Monitors source data collection and prepares work center reports and records.

(e) Performs expanded troubleshooting using concise fault isolation procedures.

(2) GySgt: Organizes and administers facilities for the maintenance and repair of aircraft communications/navigation systems at the IMA level.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

23. MOS 6422, Aircraft Cryptographic Systems Technician, IMA (GySgt to Pvt)*

a. Summary. Aircraft cryptographic systems technicians at the IMA level, inspect, test, maintain, and repair equipment, assemblies, subassemblies, modules, cards, and other components of airborne cryptographic systems. This MOS is assigned as a skill designator MOS only to those specifically selected personnel already qualified and holding an IMA communications or navigation systems MOS (MOSs 6412/6413).

b. Requirements/Prerequisites

(1) Complete the Avionics Technician Course, AV (A1), and one or more NAMTG, or equivalent, IMA maintenance courses on one or more of the aircraft communications or navigation systems. In addition, must have graduated from an approved course of unlimited or limited maintenance on appropriate "secure voice" communications or other cryptographic equipment.

(2) Must have a secret security clearance.

(3) Must be a U.S. citizen.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program, (MATMEP) for MOS 6422.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. Aircraft Communications/Navigation Systems Technician, IMA, 6412/6413.

24. MOS 6423, Aviation Electronic Microminiature/Instrument and Cable Repair Technician, IMA (Sgt to Pvt)

a. Summary. Aviation electronic microminiature/instrument and cable repair technicians, at the IMA level, inspect, test, maintain, and repair modules, cards, printed-circuit boards, cables, instruments, and miniature and microminiature components. They also perform appropriate level of corrosion control.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Aviation Electrician's Mate Course, AE (A1), or equivalent.

(3) Must be a U.S. citizen.

(4) Must have a confidential security clearance.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6423.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. Microminiature Circuit Repair Specialist, 5911.

25. MOS 6431, Aircraft Electrical Systems Technician-Trainee (GySgt to Pvt)

a. Summary. Aircraft electrical systems technician/trainees train for a specific Aircraft Electrical Systems Technician MOS through formal school training and/or OJT, and under close supervision/instruction perform routine duties relative to inspection, maintenance, and repair of aircraft electrical systems at the IMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Aviation Electricians Mate School, Class A, AE(A), at NATTC, Pensacola, FL, or equivalent.

(3) Must be a U.S. citizen.

(4) Must have a confidential security clearance.

(5) Must have normal color vision.

c. Duties. GySgt to Pvt: Performs duty under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

26. MOS 6432, Aircraft Electrical/Instrument/Flight Control Systems Technician, Fixed Wing, IMA (Sgt to Pvt)

a. Summary. Aircraft electrical/instrument/flight control systems technicians, fixed wing, at the IMA level, inspect, test, maintain, and repair components, assemblies, subassemblies, modules, cards, printed circuit boards, and ancillary equipment whose aggregate constitutes a complete aircraft electrical/ flight control system or subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Aviation Electricians Mate School Class A, AE(A) and appropriate NAMTRAU courses.

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on aircraft electrical/flight control systems and instruments, and have completed a sufficient period of OJT to qualify as an aircraft electrical/instrument/flight control systems technician, fixed-wing, IMA.

(4) Must be a U.S. citizen.

(5) Must have a confidential security clearance.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6432.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

27. MOS 6433, Aircraft Electrical/Instrument/Flight Control Systems Technician, Helicopter, IMA (Sgt to Pvt)

a. Summary. Aircraft electrical/instrument/flight control systems technicians, helicopter at the IMA level, inspect, test, maintain, and repair components, assemblies, subassemblies, modules, cards, printed circuit boards, and ancillary equipment whose aggregate constitutes a complete Aircraft Electrical/ Flight Control System or Subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Aviation Electricians Mate School Class A, AE (A) and appropriate NAMTRAU courses.

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on aircraft electrical/flight control systems and instruments, and have completed a sufficient period of OJT to qualify as an aircraft electrical/instrument/flight control systems technician, helicopter, IMA.

(4) Must be a U.S. citizen.

(5) Must have a confidential security clearance.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation (MATMEP) for MOS 6433.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

28. MOS 6434, Advanced Aircraft Electrical/Instrument/Flight Control Systems Technician, IMA (GySgt and SSgt)

a. Summary. Advanced aircraft electrical/instrument/flight control systems technicians, IMA, at the IMA inspect, test, maintain, and repair weapon replaceable assemblies, shop replaceable assemblies, and ancillary equipment whose aggregate constitutes a complete aircraft electrical/flight control system beyond normal fault isolation procedures.

b. Requirements/Prerequisites

(1) Must satisfy requirements/prerequisites for MOSs 6432, 6433, and 6423.

(2) Must have normal color vision.

c. Duties

(1) GySgt and SSgt:

(a) Possesses a thorough understanding and working knowledge of sound management principles, work center supervision, proper methods of training personnel, and accepted and approved naval aviation maintenance procedures.

(b) Performs quality assurance inspections for maintenance actions performed on equipment/components at the IMA level.

(c) Assists in the planning and scheduling of work center assignments.

(d) Monitors source data collection and prepares work center reports and records.

(e) Performs expanded troubleshooting using concise fault isolation procedures.

(2) GySgt: Organizes and administers facilities for the maintenance and repair of aircraft electrical/flight control systems at the IMA level.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

29. MOS 6461, Hybrid Test Set Technician, IMA (Sgt to Pvt)

a. Summary. Hybrid test set technicians, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL, and the appropriate NAMTRAU courses.

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on the hybrid test set, and have completed a sufficient period of OJT to qualify as an hybrid test set technician.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6461.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

30. MOS 6462, Avionics Test Set (ATS) Technician, IMA (Sgt to Pvt)

a. Summary. Avionics test set technicians, IMA, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL, and the appropriate NAMTRAU courses.

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on the Integrated Avionics Test Set (IATS), and has completed a sufficient period of OJT to qualify as an IATS technician.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6462.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

31. MOS 6463, Radar Systems Test Station (RSTS) Technician, IMA (Sgt to Pvt)

a. Summary. Radar systems test station technicians, or consolidated automatic support system high power/radar technicians, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), and one of the following NAMTRAGRU, or equivalent courses: Radar Systems Test Station Course

and/or Consolidated Automated Support System (CASS)/High Power Radar Technician, IMA.

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on the RSTS and have completed a sufficient period of OJT to qualify as an RSTS technician.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6463.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

32. MOS 6464, Aircraft Inertial Navigation System Technician, IMA (Sgt to Pvt)

a. Summary. Aircraft inertial navigation system technicians, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL, and the appropriate NAMTRAU courses.

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on the IMUTS II test set, and have completed a sufficient period of OJT to qualify as a IMUTS II technician.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6464.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

33. MOS 6466, Aircraft Forward Looking Infrared/Electro-Optical Technician, IMA (Sgt to Pvt)

a. Summary. Aircraft forward looking infrared/electro-optical technicians, or consolidated automatic support systems (CASS) electrical optical/forward looking infrared technician, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), and one of the following NAMTRAGRU, or equivalent courses: Aircraft Forward Looking Infrared/Electrical-Optical, and/or Consolidated Automated Support System (CASS) EO/Forward Looking Infrared Technician, IMA.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6466.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

34. MOS 6467, Consolidated Automatic Support System (CASS) Technician, IMA (Sgt to Pvt)

a. Summary. Consolidated automatic support system technician, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL, and the appropriate NAMTRAU courses.

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance/factory level school(s), and a sufficient period of OJT to qualify as a consolidated automatic support systems technician, IMA.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6467.

d. Requirements/Prerequisites

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

35. MOS 6469, Advanced Automatic Test Equipment Technician, IMA (GySgt and SSgt)

a. Summary. Advanced automatic test equipment technicians, at the IMA, inspect, test, maintain, repair, and analyze airborne weapon replaceable assemblies, shop replaceable assemblies, automatic test equipment, and ancillary equipment failures, beyond normal fault isolation procedures.

b. Requirements/Prerequisites

(1) Satisfy requirements/prerequisites for MOSs 6461 to 6467.

(2) Must have normal color vision.

c. Duties

(1) GySgt and SSgt:

(a) Possesses a thorough understanding and working knowledge of sound management principles, work center supervision, proper methods of training personnel and accepted and approved naval aircraft maintenance procedures.

(b) Performs quality assurance inspections for maintenance actions performed on equipment/components at the IMA level.

(c) Assists in the planning and scheduling of work center assignments.

(d) Monitors source data collection and assists on the preparation of work center reports and records.

(e) Performs expanded weapon replaceable assembly and test program set troubleshooting, using concise fault isolation procedures and a fundamental understanding of computer language at the programmer level associated with ATE in support of naval aircraft.

(2) GySgt: Organizes and administers facilities for the maintenance and repair of airborne weapon replaceable assemblies and shop replacement assemblies maintained on ATE as well as support of ATE.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

36. MOS 6472, Consolidated Automated Support System (CASS), Electro-Optical (EO)/Forward Looking Infrared Technician (FLIR)(GySgt to Pvt)*

a. Summary. Consolidated automated support system, electro-optical forward looking infrared technicians at the IMA level, inspect, test maintain and repair airborne weapon replaceable assemblies, shop replaceable and ancillary equipment whose aggregate constitutes a complete aircraft weapon system. This MOS is assigned as a skill designator MOS only to those personnel currently/previously qualified in the IMA CASS or EO/FLIR systems MOSs (MOSs 6467 and 6466).

b. Requirement/Prerequisites

(1) Complete the Avionics Technician Course (AV) A1, and one of the following NAMTG, or equivalent courses: Consolidated Automated Support Systems (CASS) and/or Electro-Optical/Forward Looking Infrared. In addition, must have graduated from the NAMTG approved course of CASS electro-Optical/FLIR.

(2) Must have a secret security clearance.

(3) Must be a U.S. citizen.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6467 and/or 6466.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

37. MOS 6473, Consolidated Automated Support System High Power/Radar Technician (GySgt to Pvt)*

a. Summary. Consolidated automated support system high power/radar technicians at the IMA level, inspect, test, maintain and repair airborne weapon replaceable assemblies, shop replaceable and ancillary equipment whose aggregate constitutes a complete aircraft weapon system. This MOS is assigned as a skill designator MOS only to those personnel already/previously qualified in the IMA CASS or Radar System Test Station (RSTS) MOS (MOSs 6467/6463).

b. Requirements/Prerequisites

(1) Complete the Avionics Technician Course (AV) A1, and one of the following NAMTG, or equivalent courses: Consolidated Automated Support System (CASS) and/or Radar Systems Test Station Course. In addition, must have graduated from NAMTG approved course of CASS High Power/Radar.

(2) Must have a secret security clearance.

(3) Must be a U.S. citizen.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) forms 6467 and/or 6463.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

38. MOS 6482, Aircraft Electronic Countermeasures Systems Technician, Fixed-Wing, IMA (GySgt to Pvt)

a. Summary. Aircraft electronic countermeasures systems technicians, fixed-wing, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable assemblies, and ancillary equipment whose aggregate constitutes a complete aircraft electronic countermeasures system or subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL, and appropriate NAMTRAU courses.

(3) Complete one or more NAMTRAU, or equivalent IMA maintenance course(s) on electronic countermeasures equipment and have completed a sufficient period of OJT to qualify as a fixed-wing aircraft electronic countermeasures systems technician.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6482.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

39. MOS 6483, Aircraft Electronic Countermeasures Systems Technician, Helicopter, IMA (GySgt to Pvt)

a. Summary. Aircraft electronic countermeasures systems technicians, helicopter, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable assemblies, and ancillary equipment whose aggregate constitutes a complete aircraft electronic countermeasures system or subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL, and appropriate NAMTRAU courses.

(3) Complete one or more NAMTRAU, or equivalent IMA maintenance course(s)on electronic countermeasures equipment and have completed a sufficient period of OJT to qualify as a helicopter aircraft electronic countermeasures systems technician.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6483.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

40. MOS 6484, Aircraft Electronic Countermeasures Systems/RADCOM/CAT IIID Technician, IMA (GySgt to Pvt)

a. Summary. Aircraft electronic countermeasures systems/RADCOM/CAT IIID technicians, or consolidated automatic support system electronic warfare test set technician, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable assemblies, and ancillary equipment whose aggregate constitutes a complete aircraft electronic countermeasures system or subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL, and appropriate NAMTRAU courses and one or more NAMTRAU, or equivalent IMA maintenance courses on ECM/RADCOM/CAT IIID or Consolidated Automated Support System (CASS)/Electronic Warfare Technician, IMA, and have a sufficient period of OJT to qualify as an EA-6B aircraft electronic countermeasures systems technician.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6484.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

41. MOS 6492, Aviation Precision Measurement Equipment/Calibration and Repair Technician, IMA (GySgt to Pvt)

a. Summary. Aviation precision measurement equipment technicians test, maintain, repair, and calibrate aviation precision measurement and automatic test equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 110 or higher.

(2) Complete the Precision Measurement Equipment Specialist Course.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6492.

d. Related DOT Classification/DOT Code

(1) Instrument Mechanic 710.281-026.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

42. MOS 6493, Aviation Meteorological Equipment Technician, OMA/IMA (GySgt to Pvt)

a. Summary. Personnel in this MOS install, test, maintain, and repair meteorological and associated electronic equipment in use by Marine weather service personnel, both in garrison and in the field. Typical duties of the aviation meteorological equipment technician include alignment, calibration, and organizational maintenance on weather radars, closed-circuit television systems, meteorological satellite systems, and HF, FM, and UHF transceiver, meteorological sensors, recorders, indicators, and telemetry systems, and the meteorological mobile facilities. They diagnose malfunctions by visual inspection or by use of the

appropriate test equipment, assist in maintaining accountability of all parts of the system and in the requisitioning of supplies and spare parts, process and pack systems components for storage and/or shipment, and assist in the embarkation of the Meteorological Mobile Facilities. They maintain records of maintenance and compile data for reports.

b. Requirements/Prerequisites

(1) Must possess an EL score of 110 or higher.

(2) Complete the Common Electronics Training Program (CETP), and the Meteorological Equipment Maintenance Course, (METEM) at Keesler AFB, Biloxi, MS.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

(5) Must have normal color vision.

c. Duties

(1) GySgt to Pvt:

(a) Uses the basic theory of electricity and magnetism, fundamentals of electronics, and digital logic.

(b) Uses basic AC/DC circuit principles including basic mathematics to solve simple electrical formulas.

(c) Applies the theory of operation of vacuum tubes, resistance, capacitance, inductance, and solid-state electronic circuits such as semiconductors, integrated circuits, oscillators, multivibrators, wave shaping networks, and silicone controlled rectifiers.

(d) Interprets and prepares schematics, wiring diagrams, and technical data pertaining to meteorological and associated electronic equipment.

(e) Uses basic test equipment for troubleshooting of solid-state electronic circuits.

(f) Applies the basic principles of electronic circuit board soldering.

(g) Assembles and disassembles meteorological equipment systems, preparing them for shipment and/or operation.

(h) Observes and applies safety regulations with respect to systems operations and maintenance.

(2) GySgt to Cpl:

(a) Installs, adjusts, maintains, repairs, and makes authorized modifications to meteorological equipment systems.

(b) Adjusts, maintains, and repairs the Defense Meteorological Satellite Acquisition Systems including antenna hydraulics, microprocessors, and hard/soft copy display units.

(2) GySgt to Sgt:

(a) Prepares and implements inspection and maintenance schedules.

(b) Prepares the meteorological mobile facilities and integral equipment for deployment/employment.

(3) GySgt and SSgt: Supervises the deployment/embankment, deployment maintenance, and repair of all mobile meteorological facilities and integral communications/electronic equipment.

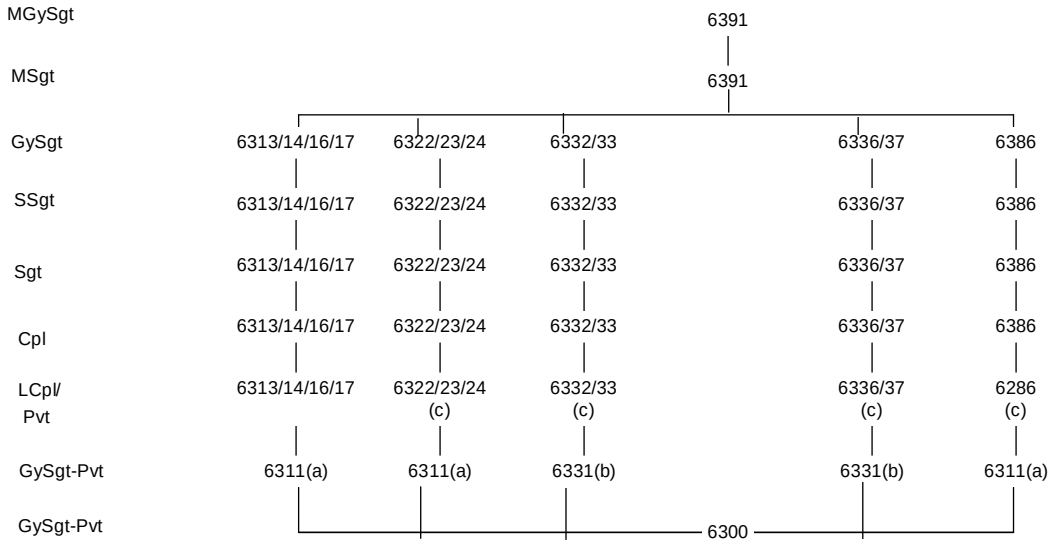
(4) GySgt: Manages the design and fabrication of the mobile meteorological facilities to include requisitioning systems and components and making authorized modification to meteorological, communications, and electronics systems.

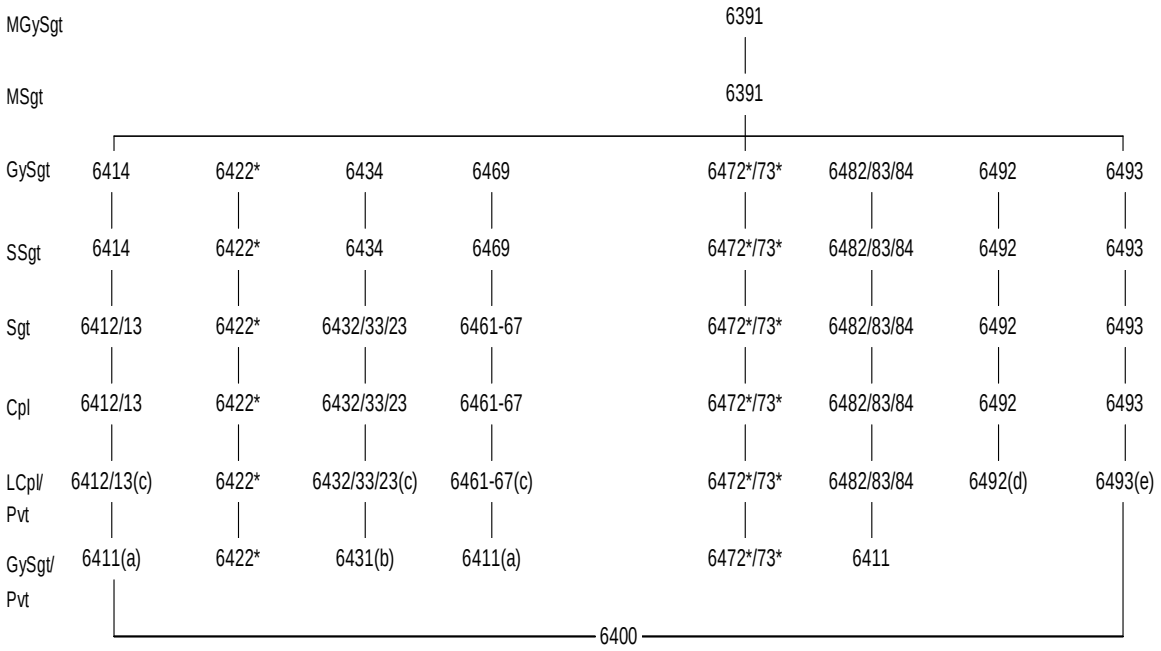
d. Related DOT Classification/DOT Code

(1) Meteorological Equipment Repairer 823.281-018.

(2) Communications Electrician Supervisor 823.131010.

e. Related Military Skill. None.





* Identifies skill designator MOSs only.

MOS	TITLE
6300	Basic Avionics Marine
6311	Aircraft Communications/Navigation/Electrical/Weapon Systems Technician-Trainee, OMA/IMA
6312	Aircraft Communications/Navigation/Weapon Systems Technician, AV-8

FIGURE 3-20.--Avionics Career Structure Chart

6313 Aircraft Communications/Navigation/Radar Systems Technician, EA-6B
6314 UAV Avionics Mechanic
6316 Aircraft Communications/Navigation Systems Technician, KC-130
6317 Aircraft Communications/Navigation/Weapon Systems Technician, F/A-18
6322 Aircraft Communications/Navigation/Electrical Systems Technician, CH-46
6323 Aircraft Communications/Navigation/Electrical Systems Technician, CH-53
6324 Aircraft Communications/Navigation/Electrical/Weapon Systems Technician, U/AH-1
6326 Aircraft Communications/Navigation/Electrical/Weapon Systems Technician, V-22
6331 Aircraft Electrical Systems Technician-Trainee
6332 Aircraft Electrical Systems Technician, AV-8
6333 Aircraft Electrical Systems Technician, EA-6B
6336 Aircraft Electrical Systems Technician, KC-130
6337 Aircraft Electrical Systems Technician, F/A-18
6386 Aircraft Electronic Countermeasures Systems Technician, EA-6B
6391 Avionics Maintenance Chief, OMA/IMA
6411 Aircraft Systems Technician, IMA
6412 Aircraft Communications Systems Technician, IMA
6413 Aircraft Navigation Systems Technician, IFF/RADAR/TACAN, IMA
6414 Advanced Aircraft Communication/Navigation Systems Technician, IMA
*6422 Aircraft Cryptographic Systems Technician, IMA
6423 Aviation Electronic Microminiature/Instrument and Cable Repair Technician, IMA
6431 Aircraft Electrical Systems Technician-Trainee
6432 Aircraft Electrical/Instrument/Flight Control Systems Technician, Fixed Wing, IMA
6433 Aircraft Electrical/Instrument/Flight Control Systems Technician, Helicopter, IMA
6434 Advanced Aircraft Electrical/Instrument/Flight Control Systems Technician, IMA
6461 Hybrid Test Set Technician, IMA
6462 Avionics Test Set (ATS) Technician, IMA
6463 Radar Systems Test Station (RTS) Technician, IMA
6464 Aircraft Inertial Navigation System Technician, IMA
6466 Aircraft Forward Looking Infrared/Electro-optical Technician, IMA
6467 Consolidated Automatic Support System (CASS) Technician, IMA
6469 Advanced Automatic Test Equipment Technician, IMA
*6472 Consolidated Automated Support System (CASS), Electro-Optical (EO)/Forward Looking Infrared Technician (FLIR)
*6473 Consolidated Automated Support System High Power/Radar Technician
6482 Aircraft Electronic Countermeasures Systems Technician, Fixed Wing, IMA
6483 Aircraft Electronic Countermeasures Systems Technician, Helicopter, IMA
6484 Aircraft Electronic Countermeasures Systems/RADCOM/CAT IIID Technician, EA-6B, IMA
6492 Aviation Precision Measurement Equipment/Calibration and Repair Technician, IMA
6493 Aviation Meteorological Equipment Technician, OMA/IMA

* Identifies skill designator MOSs only.

FIGURE 3-20.--Avionics Career Structure Chart

FORMAL TRAINING (to be attended at level indicated on chart): () indicates course is "required"; other courses available as indicated.

a. Avionics Technician Course, AV (A1)

b. Aviation Electricians Mate Course, AE (A1)

c. The NAMTGD schools provide appropriate MOS training at the level indicated on the chart and are subject to change due to availability of courses. IMA level MOSs are subject to training at several locations depending upon course availability and initial duty assignment following "A" school training.

d. Personnel assigned to the Precision Measurement Equipment Specialist Course will receive their training at Keesler AFB, Biloxi.

e. Personnel assigned to the Meteorological Equipment Maintenance Course will receive their training at Keesler AFB, Biloxi, MS.

FIGURE 3-20.--Avionics Career Structure Chart

3138. **OCCUPATIONAL FIELD 65, AVIATION ORDNANCE**

1. Introduction. Aviation ordnance MOSs handle aviation Class V (A) ammunition issues from safety to procurement, storage, buildup, delivery, and subsequent aircraft loading and downloading. The OccFld includes organizational and intermediate maintenance of aircraft weapons systems, guns, gun pods, bomb racks, missile launchers, and aviation ordnance support equipment. Aviation ordnance Marines are qualified and certified under current directives. Formal schooling is provided to Marines entering the OccFld. A wide variety of billet assignments are available as shown in the figure later in this entry. Marines entering this OccFld receive MOS 6500, Basic Aviation Ordnance Marine, and attend Aviation Ordnanceman, Class A1(AO(A)) School at Pensacola, FL with follow-on training at one of several FREST/FRAMP AO(C) Courses dependent upon anticipated fleet assignment. Upon completion of AO(C) Course, they will participate in routine aviation ordnance functions and attend specialized schools while training for a designated MOS within the OccFld.

2. MOS 6511, Aviation Ordnance Trainee (GySgt to Pvt)

a. Summary. Aviation ordnance trainees train for an aircraft ordnance MOS through completion of an AO (A) School. Follow-on AO (C) courses will qualify a MOS 6511 Marine for either MOS 6531 or MOS 6541 depending on the specific training track assigned.

b. Requirements/Prerequisites

(1) Must have a GT score of 105 or higher.

(2) Complete the Aviation Ordnanceman, Class A1 School.

(3) Must possess a secret security clearance.

(4) Must meet the medical requirements for Explosives Handlers and Explosives Vehicle Operators contained in NAVMED P-117, Article 15-71B.

(5) Must have normal color vision.

(6) Marines who handle explosives must meet the criteria to be qualified and certified as per MCO 8023.3.

(7) Must meet the requirements of MCO 11240.66 and TM 11240-15/3.

(8) Must be a U.S. citizen.

c. Duties. Performs duty under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 6531, Aircraft Ordnance Technician (GySgt to Pvt)

a. Summary. This MOS encompasses duties incident to the inspection, maintenance and repair of armament equipment and loading of aviation ordnance on Marine Corps aircraft. The aircraft ordnance technician performs a variety of duties and tasks such as inspecting ammunition, testing aircraft systems, performing preventive maintenance and effecting repairs, loading and fuzing ammunition and arming/dearming aircraft.

b. Requirements/Prerequisites

(1) GT score of 105 or higher.

(2) Complete the applicable NAMTRAU AO (C) Course appropriate for the intended initial aircraft assignment.

(3) Must obtain a government drivers license to operate arm/dearm vehicle (Sgt to Pvt).

(4) Must possess GSE licenses appropriate for the aircraft assigned.

(5) Marines who handle explosives must meet the criteria to be qualified and certified as per MCO 8023.3.

(6) Must meet the medical requirements for Explosives Handlers and Explosives Vehicle Operators contained in NAVMED P-117, Article 15-71B.

(7) Must possess a secret security clearance.

c. Duties

(1) GySgt to Pvt:

(a) Employs appropriate safety precautions, security procedures, and record-keeping techniques for ordnance.

(b) Operates and performs operator maintenance on armament weapons support equipment and aircraft armament equipment.

(c) Loads and unloads airborne weapons and stores aboard aircraft to include reconfiguration and functional testing of aircraft weapons release and control, missile, and guns systems.

(d) Removes, maintains, services, installs, and loads aircraft guns.

(e) Arms and dearms aircraft.

(2) GySgt to Cpl:

(a) Conducts functional tests of racks, launchers, adapters and electrical components, aircraft armament circuits and maintains them in an operational status by appropriate preventive maintenance.

(b) Configures or reconfigures assigned aircraft for carriage of any aviation ammunition within the capability of the aircraft by installing or removing racks, launchers, adapters, and electrical components.

(c) Maintains and installs aerial target towing equipment; maintains and operates associated support equipment.

(d) Conducts functional tests of aircraft armament electrical fusing, firing, and release circuits and maintains them in an operational status.

(3) GySgt to Sgt:

(a) Applies bore sight procedures and techniques as applicable to aircraft sights and weapons systems.

(b) Procures supplies, maintains records, prepares reports, and utilizes publications pertinent to aviation ordnance and aircraft armament equipment.

(c) Performs quality control of work accomplished by the ordnance section on aircraft assigned.

(d) Prepares and submits unsatisfactory equipment reports as outlined in OPNAVINST 8600.2.

(4) GySgt and SSgt:

(a) Trains aircraft ordnance technicians in all phases of squadron level aviation ordnance.

(b) Applies administrative procedures necessary to establish and operate a squadron ordnance section.

(c) Conducts administrative and material inspections of squadron ordnance sections.

(d) Prepares Conventional Ordnance Deficiency Reports, Explosive Mishap Reports, Technical Publication Deficiency Reports, Missile Fire Reports, Product Quality Deficiency Reports, Missing Lost Stolen/Recovered Ammunition Reports, and Engineering Investigation Requests, when appropriate.

d. Related DOT Classification/DOT Code. Aircraft Armament Mechanic 806.361-030.

e. Related Military Skill. Aviation Ordnance Equipment Repair Technician, 6541.

4. MOS 6541, Aviation Ordnance Systems Technician (GySgt to Pvt)

a. Summary. Aviation ordnance equipment repair technicians perform duties incident to the accounting, stowage, breakout, testing, maintenance, assembly and transportation of airborne armament equipment, armament-handling equipment, air launched missiles, and conventional munitions. At the IMA level, aviation ordnance equipment repair technicians perform required inspections, tests, checks adjustments, preventive maintenance and repair on support equipment, missile launching equipment, multiple ejection/bomb racks, aircraft guns, turrets, aerial targets, and a wide variety of highly technical aircraft armament weapons systems in addition to performing quality assurance, safety, and maintenance management duties.

b. Requirements/Prerequisites

(1) GT score of 105 or higher.

(2) Complete NAMTRAU AO (C) Course at NAMTRA MAR Unit, Cherry Point, NC.

(3) Must possess a valid state drivers license.

(4) Must obtain a valid support equipment and explosive license within 6 months after assignment of MOS 6541 (Sgt to Pvt).

(5) Marines who handle explosives must meet the criteria to be qualified and certified as per MCO 8023.3.

(6) Must complete Incidental Motor Vehicle Operator (7T) at the Wing Motor Transport School, MCAS Cherry Point.

(7) Must obtain an explosive driver endorsement in conjunction with driver's license.

(8) Must have a minimum height of 54-inches.

(9) Must possess a secret security clearance.

(10) Must meet the medical requirements for Explosives Handlers and Explosives Vehicle Operators contained in NAVMED P-117, Article15-71B.

c. Duties

(1) GySgt to Pvt:

(a) Performs operator and IMA level maintenance on armament weapons support/transporting equipment.

(b) Assembles and performs maintenance on air-launched missiles, and conventional munitions, as authorized.

(c) Performs IMA level maintenance on aircraft armament equipment.

(d) Identifies munitions by type, nomenclature, and explosive hazard. Identifies the hazard present and appropriate emergency response procedures for each type of munitions handled.

(e) Transports explosives utilizing assigned handling and transportation equipment.

(f) Employs appropriate safety precautions, security procedures, and record keeping practices for munitions.

(g) Conducts ammunition inventories and maintains stock records of lots/serial numbers.

(h) Performs operator tasks associated with the Retail Ordnance Logistics Management System (ROLMS).

(2) GySgt to Sgt:

(a) Maintains records and distinguishes the different modifications on all models of missiles and conventional munitions assigned.

(b) Utilizes available technical and supply publications to obtain accurate and complete data for supply purposes.

(c) Perform inspections on the maintenance, storage, and shipment of explosives.

(d) Using ammunition stock and allowance lists/publications, prepares and edits ammunition requisitions and takes requisition follow-up actions.

(e) Makes ammunition issues, prepares invoices, and custody records.

(f) Maintains files, prepares naval messages, and submits ammunition transactions.

(g) Performs the System Administrator tasks associated with the Retail Ordnance Logistics Management System (ROLMS).

(3) GySgt and SSgt:

(a) Establishes a training program for aviation ordnance technicians.

(b) Perform functions in the establishment operations of a conventional munitions storage area, advance base ammunition storage point, ready storage areas and Forward Arming and Refueling Points (FARP).

(c) Prepares for Conventional/Ordnance Deficiency Reports, Explosive Mishap Reports, Technical Publication Deficiency reports, Product Quality Deficiency Reports, Missing Lost Stolen/Recovered Ammunition Reports, and Engineering Investigation Requests, when appropriate.

(d) Operate Ammunition Stock Recording System.

(e) Determine the serviceability of ammunition and perform ammunition sentencing functions.

(f) Establish and supervise the operation of a Forward Arming and Refueling Points (FARP).

(g) Supervise operations in an ammunition assembly area.

(4) GySgt:

(a) Utilizes aviation ordnance administrative procedures necessary to establish and operate an IMA.

(b) Conducts administrative and material inspections of IMA activities.

(c) Prepares naval messages, orders, instructions, SOPs, and safety precautions.

(d) Manage the Ammunition Stock Recording System.

d. Related DOT Classification/DOT Code. Aircraft-Armament Mechanic 806.361-030.

e. Related Military Skill. Aircraft Ordnance Technician, 6531.

5. MOS 6591, Aviation Ordnance Chief (MGySgt and MSgt)

a. Summary. The aviation ordnance chief supervises the establishment and functioning of aviation ordnance activities at all levels.

b. Requirements/Prerequisites

(1) Upon selection to Master Sergeant must complete the Aviation Ordnance Officer Career Progression Course, Level I, at NAS Pensacola, FL.

(2) Marines who handle explosives must meet the criteria to be qualified and certified as per MCO 8023.3.

(3) Must have a secret security clearance.

(4) Must meet the medical requirements for Explosives Handlers and Explosives Vehicle Operators contained in NAVMED P-117, Article 15-71B.

c. Duties

(1) MGySgt and MSgt:

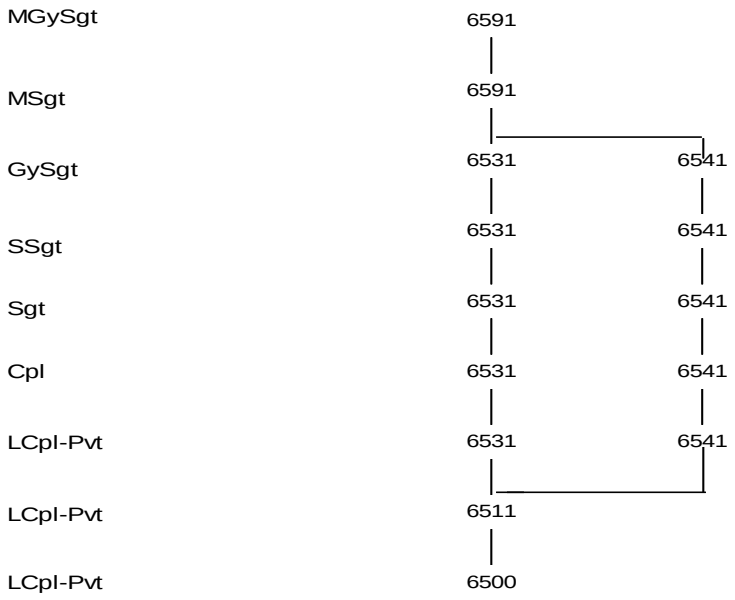
(a) Assists the aviation ordnance officer in managing the activities of aviation ordnance personnel in their duties and tasks.

(b) Instructs and trains aviation ordnance personnel.

(c) Prepares orders, naval messages, instructions and SOPs, and safety precautions.

(2) MGySgt: Provides authoritative staff support in planning and implementing aviation ordnance functions as a member of a major staff.

d. Related DOT Classification/DOT Code. None.



MOS	TITLE
6500	Basic Aviation Ordnance Marine
6511	Aviation Ordnance Trainee
6531	Aircraft Ordnance Technician
6541	Aviation Ordnance Systems Technician
6591	Aviation Ordnance Chief

FIGURE 3-31.--Aviation Ordnance Career Structure Chart

MOS 6531, Aircraft Ordnance Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt			**FMF Duty:** Squadron/MAW **Non-FMF Duty:** Instructor
SSgt			**FMF Duty:** Squadron **Non-FMF Duty:** Instructor
Sgt			**FMF Duty:** Squadron **Non-FMF Duty:** Instructor
Cpl			**FMF Duty:** Squadron **Non-FMF Duty:** Instructor
LCpl-Pvt	Enlisted Basic Aviation Training Course Aviation Ordnanceman Class A1 Course Conventional Weapons Loading Course		**FMF Duty:** Squadron **Non-FMF Duty:** None

MOS 6541, Aviation Ordnance Systems Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
GySgt			**FMF Duty:** MALS/MAW **Non-FMF Duty:** Instructor/MCAS
SSgt			**FMF Duty:** MALS/MAW **Non-FMF Duty:** Instructor/MCAS

FIGURE 3-31.--Aviation Ordnance Career Structure Chart

Sgt		Retail Ordnance Logistics Management Systems Database Administrator Course	**FMF Duty:** MALS **Non-FMF Duty:** Intructor/MCAS
Cpl		Defense Packaging of Hazardous Material for Transportation	**FMF Duty:** MALS **Non-FMF Duty:** Instructor/MCAS
LCpl-Pvt	Enlisted Basic Aviation Training Course Aviation Ordnance Class A1 Course Aviation Ordnance Equipment Repair and Munitions Technician Course (FREST)	Ammunition Administration Course Transportation and Storage of Hazardous Material for Transportation	**FMF Duty:** MALS **Non-FMF Duty:** MCAS

MOS 6591, Aviation Ordnance Chief

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MALS/MAW/ MARFOR JQ **Non-FMF Duty:** JQMC
MSgt	AOOCP Level I	AOCCP Level II/III	**FMF Duty:** SQD/MALS/MEF **Non-FMF Duty:** IMSD NAVORDCEN

FIGURE 3-31.--Aviation Ordnance Career Structure Chart

3139. **OCCUPATIONAL FIELD 66, AVIATION LOGISTICS**

1. Introduction. The aviation logistics OccFld includes personnel in the areas of aviation supply and aviation information systems. Qualifications required include operating various office machines, understanding and utilizing related publications, processing communication abilities, and the ability to work closely with others. The duties involve administrative and operational skills as well as hard technical skills. Aviation supply Marines are required to learn aviation supply administration and operation procedures, office, shop, and warehouse management procedures; preparation and use of military publications, and preparation and use of accounting documents. Formal schooling is provided to Marines entering the OccFld. Types of entry-level jobs include work as aviation supply clerk and AIS. There are a wide variety of billets available in the OccFld ranging from duty at all level of the Marine Aircraft Wing/Marine Aviation Logistics Squadron to various non-FMF billets such as HMX-1 and instructor duty.

2. MOS 6672, Aviation Supply Specialist (MGySgt to Pvt)

a. Summary. Aviation supply specialists are required to perform those aviation unique functions necessary to provide logistical support to aviation activities. Their prime objective is to satisfy valid customer requirements. They perform all functions related to providing aviation peculiar supply support, to include financial management, inventory management, material management, facilities and storage management, personnel staffing, and requisitioning procedures. Duties include validation of customer requirements, processing requisitions, submitting requisitions, initiating appropriate follow-up actions, and processing and delivering material in accordance with all government regulations and procedures. In addition, aviation supply specialists have an understanding of acquisition procedures, provisioning and requirements determination, material handling procedures, and fiscal accounting and purchasing procedures in accordance with Federal Acquisition Regulations.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Marine Aviation Supply Course.

(3) Must have a basic understanding of PC operations/applications.

(4) Meet the requirements to obtain a state drivers license.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.74, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Stock Clerk 222.387-058.

(2) Material Clerk 222.387-034.

(3) Material Control Expeditor 221.387-030.

(4) Budget Clerk 216.387-030.

(5) Inventory Controller 219.397-030.

(6) Stock Control Supervisor 216.382-022.

e. Related Military Skill. None.

3. MOS 6694, Aviation Information Systems (AIS) Specialist (MGySgt to Pvt)

a. Summary. Aviation Information Systems (AIS) Specialist responsibilities encompass a broad spectrum of digital network and information systems operation, installation, and maintenance in support of Marine Corps and Naval Aviation. The AIS specialists are accountable for the deployment of tactical local and wide area networks to any theater of operation (from garrison to shipboard to forward deployed joint-service environments). Other responsibilities include network administration, design, and installation, maintaining and repairing data communication links, fiber-optic and tactical fiber-optic cabling. AIS specialist support myriad computer and network operating systems to include: Unix, Windows, and TCP/IP. Responsibilities include the maintenance and repair of aircraft mission planning systems, aircraft maintenance systems and field deployable SATCOM equipment. These Marines will also be able to analyze and evaluate system output; design and manipulate database information to produce non-routine reports; work with application and software programs in order to access and manage data stored in the computer's memory or data base file(s). Administrative tasks include but are not restricted to develop a monthly AIS utilization schedule and maintaining a magnetic media/software library.

b. Requirements/Prerequisites

(1) Must possess an EL score of 110 or higher.

(2) Complete the Aviation Logistics Tactical Information Systems (ALTIS) Course, NSCS, Athens, GA.

(3) Must have a confidential security clearance.

(4) Must be a U.S. citizen.

(5) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.74, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Computer Operator 213.362-010.

(2) Computer Peripheral Equipment Operator 213.382-010.

(3) Computer Processing Scheduler 221.362-030.

(4) Computer Security Coordinator 033.162-010.

(5) Computer Security Specialist 033.362-010.

(6) Computer Systems Engineer 033.167-010.

(7) Computer Systems Hardware Analyst 033.167-010.

(8) Data Base Administrator 039.162-010.

(9) Data Communications Technician 823.261-030.

(10) Data Communications Technician supervisor 031-132-010.

(11) Network Control Operator 031.262-014.

(12) Supervisor, Computer Operations 213.132-010.

(13) Supervisor, Data Processing 213.132-010.

(14) Supervisor, Electronics Systems Maintenance 828.161-010.

MGySgt	6672
MSgt	6672
GySgt	6672
SSgt	6672
Sgt	6672
Cpl	6672
LCpl-Pvt	6672
Sgt-Pvt	6600

MGySgt	6694
MSgt	6694
GySgt	6694
SSgt	6694
Sgt	6694
Cpl	6694
LCpl-Pvt	6694
Sgt-Pvt	6600

MOS	TITLE
6600	Basic Aviation Supply Marine
6672	Aviation Supply Specialist
6694	Aviation Information Systems (AIS) Specialist

*Identifies skill designator MOS only.

FORMAL TRAINING. Aviation Logistics Tactical Information Systems (ALTIS) Specialist Course at MARDET, NSCS Athens, GA.

FIGURE 3-32.—Aviation Logistics Career Structure Chart

MOS 6672, Aviation Supply Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MARFOR HQ/MAW/ MALS **Non-FMF Duty:** HQMC/Instructor
MSgt/GySgt		Joint Aviation Supply Maintenance Material Management (JASMMM) Senior Enlisted Aviation Supply Management Course Marine Aircraft Group Fiscal Management Course	**FMF Duty:** MARFOR HQ/MAW/ MALS **Non-FMF Duty:** HMX-1/Instructor
SSgt		Senior Enlisted Aviation Supply Management Course Marine Aircraft Group Fiscal Management Course	**FMF Duty:** MARFOR HQ/MAW MALS **Non-FMF Duty:** HMX-1/Instructor
Sgt		Senior Enlisted Aviation Supply Management Course	**FMF Duty:** MARFOR HQ/MAW MALS **Non-FMF Duty:** HMX-1/Instructor
Cpl			**FMF Duty:** MAW/MALS **Non-FMF Duty:** HMX-1
LCpl-Pvt	Aviation Supply Course		**FMF Duty:** MALS **Non-FMF Duty:** HMX-1

 FIGURE 3-32.—Aviation Logistics Career Structure Chart

MOS 6694, Aviation Information Systems (AIS) Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** None **Non-FMF Duty:** HQMC/Instructor
MSgt			**FMF Duty:** MAW **Non-FMF Duty:** TYCOM
GySgt			**FMF Duty:** Squadron **Non-FMF Duty:** SYSCOM/Instructor
SSgt			**FMF Duty:** Squadron **Non-FMF Duty:** SYSCOM/Instructor
Sgt			**FMF Duty:** Squadron **Non-FMF Duty:**
Cpl			**FMF Duty:** Squadron **Non-FMF Duty:** Instructor
LCpl-Pvt	Aviation Logistics Tactical Information Systems Specialist Course		**FMF Duty:** Squadron **Non-FMF Duty:** None

FIGURE 3-32.—Aviation Logistics Career Structure Chart

3140. **OCCUPATIONAL FIELD 68, METEOROLOGICAL AND OCEANOGRAPHIC (METOC) SERVICES**

1. Introduction. The METOC service OccFld is unique in that it is the only earth science related OccFld in the Marine Corps. The METOC service OccFld is responsible for providing meteorological and oceanographic (METOC) and space environmental observations, analysis, climatological and prognostic information in support of MAGTF operations. The METOC service OccFld is comprised of MOS 6821, METOC Observer, MOS 6842, METOC Forecaster, and MOS 6852, METOC Impacts Analyst, and is progressive in nature. Marines entering this OccFld will complete formal training and receive MOS 6800. Basic METOC Marine and will participate in routine METOC service functions while training for a designated MOS within the OccFld. As their skill enhancing training progresses, they become eligible to attend further formal MOS instruction. Billets include assignment to MEF, MEU, Intel Battalion, METOC Support Teams (MST), Marine Wing Support Squadron, and Marine Corps Air Station and Facility.

2. MOS 6821, METOC Observer (Sgt to Pvt)

a. Summary. Typical duties of METOC observers include observing, recording, validating, disseminating, collecting, processing, and assimilation of METOC data. METOC observers use automated information systems and perform preventive maintenance to METOC computer systems and equipment.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Complete the METOC Observers Course Part 1 and Part 2, Keesler AFB, MS or other appropriate military or civilian school.

(3) Must possess a top-secret security clearance and be eligible for access to sensitive compartmented information, predicated upon a Single Scope Background Investigation (SSBI). Marine recruits must submit their special background investigation prior to departing from the recruit depot.

(4) Must have normal color vision.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.66, METOC Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Weather Clerk 248.362-014.

(2) Weather Observer 025.267-014.

e. Related Military Skill

(1) Artillery Meteorological Man, 0847.

(2) Geographic Intelligence Specialist, 0261.

2. MOS 6842, METOC Forecaster (MGySgt to SGT)

a. Summary. Typical duties of the METOC Forecaster include observing, recording, validating, disseminating, collecting, processing, and assimilation of METOC data to formulate forecasts and environmental assessments. METOC forecasters uses automated information systems, and perform preventive maintenance to METOC computer systems and equipment. Additionally, at the rank of Staff Sergeant, METOC Forecasters are required to administer METOC computer systems and manage local METOC databases, web pages, and network communications.

b. Requirements/Prerequisites

(1) Must possess MOS 6821, METOC Observer.

(2) Must possess a GT score of 105 or higher.

(2) Complete the Meteorological Oceanographic Analyst/Forecaster Course, Keesler AFB, MS, or other appropriate military or civilian school.

(3) Must possess a top-secret security clearance and be eligible for access to sensitive compartmented information predicated upon a Single Scope Background Investigation (SSBI).

(4) Must have normal color vision.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.66, METOC Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Weather Clerk 248.362.014.

(2) Weather Observer 025.2767-014.

(3) Meteorologist 025.062-010.

(4) Oceanographer Assistant 025.267-010.

e. Related Military Skill

(1) Artillery Meteorological Man, 0847.

(2) Geographic Intelligence Specialist, 0261

3. MOS 6852, METOC Impacts Analyst (MGySgt to Sgt)*

a. Summary. Typical duties of METOC Impacts Analysts are those of MOS 6842 as an initial starting point. The METOC impacts analyst is responsible for the assessment and characterization of the battle-space in terms what environmental conditions affecting MAGTF Operations. The METOC impacts analyst enables commander and their staff to exploit environmental conditions by characterizing the battle space and the impacts it will have on mission planning and execution. These Marines are experienced and must first have competency in meteorology and oceanography to be effective. This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Must possess MOS 6842, METOC Forecaster.

(2) Complete formal training for METOC Impacts to MAGTF Operations.

(3) Must possess a top-secret security clearance and be eligible for access to sensitive compartmented information predicated upon a Single Scope Background Investigation (SSBI).

(3) Must have normal color vision.

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.66, METOC Training and Readiness Manual.

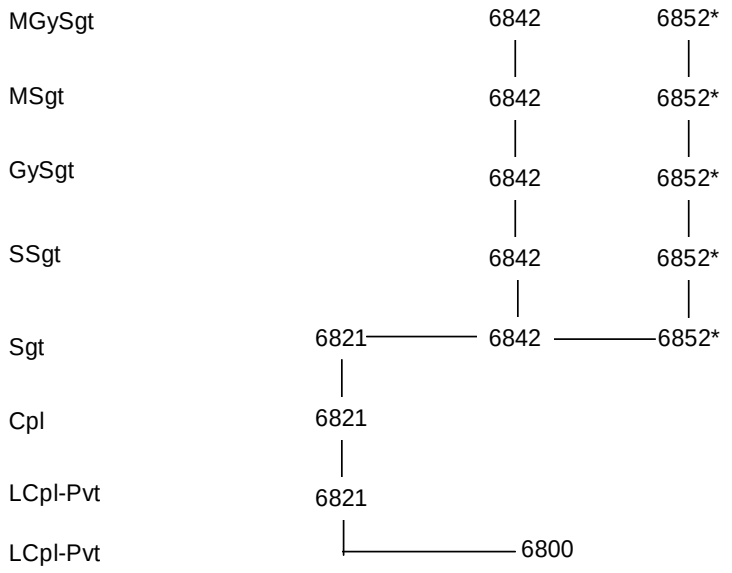
d. Related DOT Classification/DOT Code

(1) Weather Clerk 248.362-014.

(2) Weather Observer 025.062-014.

(3) Meteorologist 025.062-010.

e. Related Military Skill. Geographic Intelligence Specialist, 0261.



MOS	TITLE
6800	Basic METOC Marine
6821	METOC Observer
6842	METOC Forecaster
*6852	METOC Impacts Analyst

FIGURE 33.—Meteorological and Oceanographic (METOC) Service Career Structure Chart

MOS 6821, METOC OBSERVER

Rank	Required Training	Skill Enhancement	MOS Assignment
Sgt	Introduction to Forecasting Correspondence Course	Joint METOC Tactical Applications Course Tropical Weather Analysis And Forcasting METOC Impacts to MAGTF OPS	**FMF Duty:** MAW/MEF/MST/MEU **Non-FMF Duty:** Instructor/MCAS
Cpl		Oceanography Correspondence Course Introduction to Forecasting Correspondence Course	**FMF Duty:** MAW/MST **Non-FMF Duty:** MCAS
Pvt-LCpl	Marine Corps METOC Observer Course (Parts 1&2)	Aerographer Mate Training Modules 1-5	**FMF Duty:** MAW **Non-FMF Duty:** MCAS

MOS 6842, METOC Forecaster

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt		Acquisition 101	**FMF Duty:** None **Non-FMF Duty:** HQMC/TECOM (ATB)/ Instructor
MSgt		METOC Systems Managers Course	**FMF Duty:** MAW **Non-FMF Duty:** MCAS
GySgt		WSR-88D Operator Manager Course METOC Chief's Course METOC System Manager Course	**FMF Duty:** MAW/MEF/MST/ Intel Bn **Non-FMF Duty:** MCAS/Instructor

FIGURE 33.—Meteorological and Oceanographic (METOC) Service Career Structure Chart

SSgt	Meteorological Oceanographic Analyst/Forecaster Course (MOAF)	Joint METOC Tactical Applications Course WSR-88D Operator Manager Course Tropical Weather Analysis and Forecasting Course METOC Chief's Course	**FMF Duty**: MAW/MEF/MST/MEU Intel BN **Non-FMF Duty**: MCAS/Instructor/ Navy PDC
Sgt		Joint METOC Tactical Applications Course Tropical Weather Analysis and Forecasting Forecasting METOC Impacts to MAGTF OPS	**FMF Duty**: MAW/MEF/MST/MEU **Non-FMF Duty**: MCAS/Instructor

FIGURE 33.—Meteorological and Oceanographic (METOC) Service Career Structure Chart

3141. **OCCUPATIONAL FIELD 70, AIRFIELD SERVICES**

1. Introduction. The airfield services OccFld includes the performance of aviation operations duties, aircraft rescue fire fighting, and expeditionary airfield (EAF) equipment recovery duties. In addition to the required basic technical skills of the particular specialty, airfield services Marines must have the ability to work closely with others. Airfield services Marines will be required to learn all facets of EAF equipment, clerical and administrative procedures pertinent to airfield operations or aircraft firefighting, and rescue techniques and equipment. Formal schooling is provided to Marines entering the OccFld. Entry-level jobs include work as an aircraft recovery specialist, aviation operations specialist or aircraft firefighting and rescue specialist. Billets available in the OccFld range from duty at each air station/facility and with each Marine Aircraft Wing/Group/Squadron to the opportunity to serve in various category "B" jobs (MOSs 8000-9599). Marines entering this OccFld will receive MOS 7000, Basic Airfield Services Marine. They will participate in routine airfield services functions while training for a designated MOS within the OccFld.

2. MOS 7011, Expeditionary Airfield Systems Technician (MGySgt to Pvt)

a. Summary. An expeditionary airfield systems technician employs, installs, operates, inspects, and repairs expeditionary airfield (EAF) systems to include arresting gear, visual landing aids, airfield AM-2 matting and accessories, EAF communications and airfield lighting and marking. In addition, Marines in this field operate, inspect, and maintain emergency arresting gear systems for high performance Naval and Marine Corps Tail Hook aircraft, design expeditionary AM-2 airfield facilities, provide field marker light (FML) systems for Marine Expeditionary Units (MEUs), and conduct tactical/assault landing zone assessment surveys (TALZAS) for Naval and Marine Corps tactical aircraft.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Vision correctable to 20/20 and normal color acuity.

(3) Complete the Marine Expeditionary Airfield Equipment School, NAS Pensacola, FL.

c. Duties

(1) MGySgt to Pvt:

(a) Operates and performs preventive maintenance on expeditionary airfield systems.

(b) Installs and performs preventive maintenance on AM-2 matting utilized in conjunction with recovery equipment.

(c) Installs and performs preventive maintenance on visual landing aids.

(d) Follows published safety regulations relative to working near and on a runway and know the hazardous zones.

(e) Utilizes visual hand and light signals required in recovery operations.

(f) Maintains tools, instruments, and test equipment.

(g) Documents maintenance actions.

(h) Operates vehicles with a rated capacity of at least 5 3/4 ton category.

(i) Operates tactical and commercial forklifts and cranes of 4-25 ton capacity.

(j) Performs driver operator maintenance and inspection on all types of support vehicles and heavy equipment up to and including those in the 25-ton capacities.

(2) MGySgt to Cpl:

(a) Evaluates by test and inspection the serviceability of recovery equipment and recommends necessary repairs.

(b) Employs characteristics of recovery components in the recovery of the various naval aircraft.

(c) Utilizes emergency aircraft arresting gear.

(d) Processes maintenance documents and utilizes EAF system logs and records.

(3) MGySgt to Sgt:

(a) Requisitions supplies and materials required to support recovery equipment including visual landing aids.

(b) Maintains an accurate and detailed maintenance and landing log.

(c) Functions as a work center supervisor or crew leader.

(4) MGySgt to SSgt:

(a) Prepares aircraft recovery equipment for storage and shipment.

(b) Coordinates with other activities for the repair of recovery equipment.

(c) Functions as a quality assurance representative and maintenance controller.

(5) MGySgt to GySgt:

(a) Conducts informal OJT/technical training.

(b) Ensures proper implementation of applicable recovery bulletins for various naval aircraft.

(c) Functions as maintenance chief.

(d) Advises and assists in the development of budget requirements and prepares all necessary administrative reports.

(e) Conducts Tactical/Assault Landing Zone Assessment Surveys.

(6) MGySgt and MSgt:

(a) Plans, schedules, and directs the work assignments of the recovery personnel.

(b) Supervises the implementation of the published safety regulations and command changes where applicable.

(c) Coordinates recovery operations with other airfield operations.

(d) Coordinates EAF MWSG/MAW MPF operations relating to planning, marshaling, movement, and assembly of equipment.

(e) Conducts Tactical/Assault Landing Zone Assessment Surveys.

(7) MGySgt:

(a) Assists in the preparation of the airfield operations manual and related operations instructions.

(b) Acts as overall enlisted technical advisor and coordinator for the integration of the EAF components into the airfield operations.

(c) Organizes, supervises, and assists in the management of an aviation operations activity.

(d) Conducts Tactical/Assault Landing Zone Assessment Surveys.

d. Related DOT Classification/DOT Code. Aircraft Launch and Recovery Technician 912.682-010.

3. MOS 7041, Aviation Operations Specialist (MGySgt to Pvt)

a. Summary. Typical duties of the aviation operations specialist include assisting in the preparation of operation plans and orders, training directives, programs and orders; maintaining orders of flight time in both master and individual flight files; maintaining files of extended flight, navigational information, navigational publications, radio and landing facility charts, flight information manuals, maps, other pertinent guides and notices, and compiling data for and preparing aviation operations and aviation safety reports. MOS 7041 is assigned upon completion of the Marine Aviation Operations Specialist Course (MARAOS). Personnel must have working knowledge of word processors.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Aviation Operations Specialist Course.

(3) Basic PC operations/word processing and be able to enter characters in word processing at the following rates: MGySgt to Sgt - 35 NET WPM; Cpl - 30 NET WPM; LCpl to Pvt - 25 NET WPM.

(4) Must possess a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties

(1) MGySgt to Pvt:

(a) Types reports, correspondence, and other matters from rough drafts.

(b) Prepares master sheets for reproduction.

(c) Maintains files of aviation operations publications, records, and correspondence per current directives.

(d) Maintains and files classified material.

(e) Maintains flight logs and records of an aviation operations activity.

(f) Transmits flight plans and arrival reports to flight and air traffic control centers.

(g) Maintains maps, aeronautical charts, and aeronautical published files.

(h) Utilizes publications pertaining to aviation operations.

(i) Assists in the preparation of records, reports, and schedules of aviation operations such as daily flight records, aircraft operational reports, daily flight, and training schedules.

(2) MGySgt to Cpl:

(a) Requisitions supplies and equipment required in an aviation operations section.

(b) Decodes sequence reports and synoptic charts, and disseminates weather information to pilots.

(c) Initiates lost plane procedures.

(d) Maintains situation and operation maps.

(e) Assists in the preparation of visual and instrument flight plans.

(f) Assists in preparation of operation plans and orders.

(g) Demonstrates familiarity with instrument flight clearance procedures.

(h) Understands NAVFLIRS system and has knowledge of ADPE-FMF NAVFLIRS function.

(3) MGySgt to SSgt:

(a) Assists in preparing, administering, and grading of NATOPS pilot qualifications and instrument rating examinations.

(b) Compiles data for and prepares aviation operations and aviation safety reports.

(c) Maintains information on the condition of training facilities and schedules of units using training sites, firing, and bombing ranges.

(d) Coordinates the activities of a flight clearance section.

(e) Performs as required the duties of a squadron level operations chief.

(f) Conducts informal OJT/technical training within MOS.

(g) Knows FAA and service publications pertinent to aerial flight and aviation safety.

(h) Plans, schedules, and directs the work assignments of aviation operations personnel.

(4) MGySgt to GySgt:

(a) Prepares, coordinates, and publishes operations plans and orders.

(b) Performs as required the duties of a wing/group level operations chief.

(c) Coordinates in the preparation of airfield operations manuals crash/rescue and disaster control bills.

(5) MGySgt and MSgt:

(a) Coordinates the maintenance support required in the operation of an airfield.

(b) Coordinates the activities of an airfield operations department to include ATC, weather, crash/rescue, aircraft recovery, NavAids, training aids, photo lab, and aircraft maintenance, if assigned.

(c) Supervises and administers the operations and maintenance of ground facilities and services at an airfield or station.

(d) Constructs, extracts, and analyzes statistical projections concerning employment and usage of aircraft.

(6) MGySgt:

(a) Organizes, supervises, and assists in the management of an aviation operations activity.

(b) Manages an MOS training facility.

d. Related DOT Classification/DOT Code

(1) Flight Operations Specialist 248.387-010.

(2) Crew Scheduler 215.362-010.

(3) Crew Scheduler, Chief 215.137-010.

e. Related Military Skill. Administrative Clerk, 0151.

4. MOS 7051, Aircraft Rescue and Firefighting Specialist (MGySgt to Pvt)

a. Summary. Personnel of MOS 7051 employ firefighting equipment and extinguishing materials to rescue victims involved in aircraft crashes and to fight fires in and around aircraft or structure. Typical duties include operating, servicing, inspecting, and testing aircraft rescue and firefighting vehicles, firefighting systems, controls, and rescue equipment; instructing personnel in the technique and procedures of fighting fires and operating heavy equipment to hoist and salvage all types of naval aircraft.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete the Fire Protection Apprentice (Marines) Course.

(3) Must meet the medical standards as required per the National Fire Protection Association (NFPA) 1582 and the Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulation (CFR) 1910.234.

(4) Vision correctable to 20/20, maximum vision impairment of 20/50 and normal color acuity.

c. Duties

(1) MGySgt to Pvt:

(a) Performs applicable functions of turret operator and rescuer.

(b) Operates vehicles with a rated capacity of at least 3/4 of a ton.

(c) Functions in all phases of aircrew rescue to include forcible entry, canopy removal, ejection seat safety precautions, and personnel removal.

(d) Administers first aid to injured personnel. Personnel are qualified in CPR and up to first responders level.

(e) Utilizes appropriate techniques with different types of extinguishing agents.

(f) Operates, maintains, and refills all types of extinguishers.

(g) Performs driver operator maintenance and inspection on all types of firefighting and support equipment licensed to operate under the 5-ton category.

(h) Maintains individual protective clothing and self contained breathing apparatus.

(2) MGySgt to Cpl:

(a) Operates firefighting vehicles up to and including those in the 17-ton category.

(b) Applies appropriate firefighting and rescue techniques and procedures for attack, control, and extinguishment of fires.

(c) Utilizes proper radio communication techniques and procedures as applied to airfield operations.

(d) Demonstrates familiarity with the construction, crew location, hazardous areas, and hoisting points of naval aircraft.

(e) Performs the duties of a firefighting dispatcher.

(f) Utilizes structural firefighting and extinguishing procedures.

(g) Applies appropriate safety precautions to be observed in crashes of aircraft loaded with ordnance.

(3) MGySgt to Sgt:

(a) Operates heavy equipment of at least a 30-ton capacity.

(b) Performs driver operator maintenance and inspection on all types of firefighting, support vehicles, and heavy equipment up to and including those in the 50-ton category.

(c) Hoists aircraft for movement and uprights inverted aircraft for crew rescue.

(d) Performs material requisitions, inventory, issue and accounting supply functions.

(4) MGySgt to SSgt:

(a) Drives, operates, performs driver operator maintenance, and inspects all types of firefighting, support vehicles, and heavy equipment up to and including those in the 50-ton category.

(b) Directs all phases of aircraft rescue and firefighting operations.

(c) Performs technical training in all phases of aircraft rescue and firefighting operations and basic structural firefighting.

(d) Supervises off-station independent emergency responses for aircraft incidents and mutual aid support.

(e) Conducts fire prevention inspections on flightlines, fuel pits, hangers, and support structures and/or facilities.

(5) MGySgt to GySgt:

(a) Directs structural firefighting and salvage operations.

(b) Diagrams crash sites and prepares administrative reports on aircraft crashes or incidents.

(6) MGySgt and MSgt:

(a) Performs and/or supervises emergency operations.

(b) Advises and assists in the development of budget requirements and prepares all necessary administrative reports.

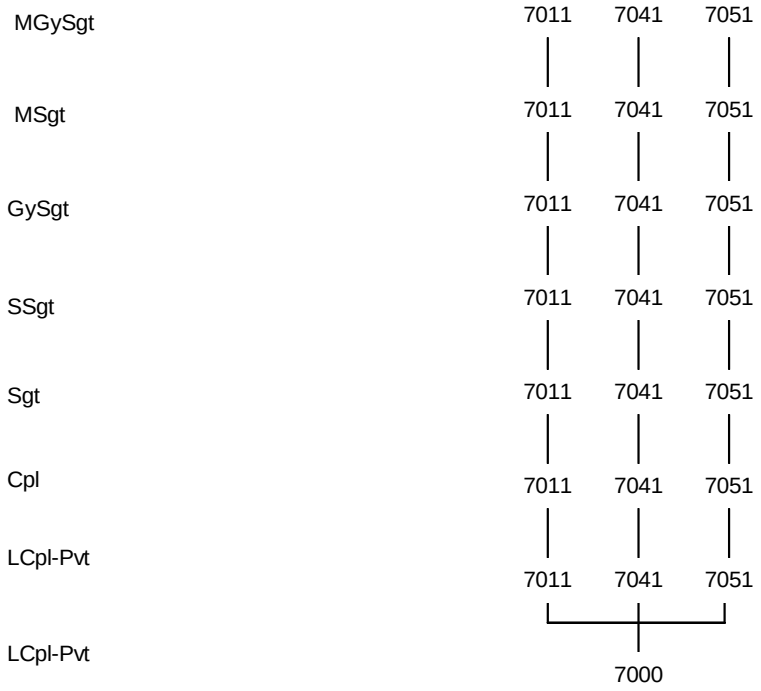
(c) Conducts fire prevention inspections on flightlines, fuel pits, hangars, and support structures and/or facilities.

(7) MGySgt: Organizes, administers, and assists in the management of an aircraft rescue and firefighting unit, both in garrison and in an expeditionary environment.

d. Related DOT Classification/DOT Code

(a) Firefighter, Crash, Fire, and Rescue 373.663-010.

(b) Fire Captain 373.134-010.



MOS	TITLE
7000	Basic Airfield Services Marines
7011	Expeditionary Airfield Systems Technician
7041	Aviation Operations Specialist
7051	Aircraft Rescue and Firefighting Specialist

FIGURE 3-34.—Airfield Services Career Structure Chart

MOS 7011, Expeditionary Airfield Systems Technician

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt	Assault Zone Assessment Course	Tactical/Assault Zone Assessment Surveys	**FMF Duty:** MARFORCOM/MEF **Non FMF Duty:** HQMC/Station/ Instructor
MSgt	Assault Zone Assessment Course	Tactical/Assault Zone Assessment Surveys	**FMF Duty:** MAW/MWSG/MWSS **Non-FMF Duty:** HQMC/Station/ Instructor
GySgt	Assault Zone Assessment Course	Advanced SNCO Academy NAMP Instruction for Officers Tactical/Assault Zone Assessment Surveys	**FMF Duty:** MWSG/MWSS **Non-FMF Duty:** Station/ MCMWTC/ Instructor
SSgt		SNCO Academy AIMD Off/Supervisor Course NAMP QA Admin MPF EWTG Course	**FMF Duty:** MWSG/MWSS **Non-FMF Duty:** Station/ Instructor
Sgt		Sergeant's Course NCO School Naval Avia Maint Cont Admin	**FMF Duty:** MSSS **Non-FMF Duty:** Station
Cpl		Corporal's Course NCO School NAMP Logs & Records	**FMF Duty:** MWSS **Non-FMF Duty:** Station

FIGURE 3-34.—Airfield Services Career Structure Chart

LCpl-Pvt	Marine Expeditionary Airfield Equipment Course	IMRL Manager NAMP Material Control Aero Tech Pubs Library Management NAMP VIDS/MAF & SCIR Documentation Naval Avia Dispersed Tech Pubs Librarian	**FMF Duty**: MWSS **Non-FMF Duty**: Station

MOS 7041, Aviation Operations Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty**: MAW/Group **Non-FMF Duty**: Station/ Instructor
MSgt			**FMF Duty:** MAW/Group **Non-FMF Duty**: Station/ Instructor
GySgt		Advanced SNCO Academy	**FMF Duty**: MAW/Group **Non-FMF Duty:** Station/ Instructor
SSgt		SNCO Academy	**FMF Duty**: MAW/Group **Non-FMF Duty**: Station/ Instructor
Sgt		Sergeant's Course NCO School	**FMF Duty**: MAW/Group/Sqdn **Non-FMF Duty**: Station/ Instructor
Cpl		Corporal's Course NCO School	**FMF Duty**: MAW/Group/Sqdn **Non-FMF Duty**: Station

FIGURE 3-34.—Airfield Services Career Structure Chart

LCpl-Pvt	Marine Aviation Ops Specialist Course	Typing I & II	**FMF Duty:** MAW/group/Sqdn **Non-FMF Duty:** Station

MOS 7051, Aircraft Rescue and Firefighting Specialist

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** MAW/MWSG/MWSS **Non-FMF Duty:** Station/ Instructor
MSgt		Disaster Preparedness Fire Investigator Fire Incident Management	**FMF Duty:** MAW/MWSG/MWSS **Non-FMF Duty:** Station/ Instructor
GySgt		Advanced Staff NCO Academy Hazardous Materials Train the Trainer Course Hazardous Materials Incident Comm Course	**FMF Duty:** MAW/MWSG/MWSS **Non-FMF Duty:** Station/ Instructor
SSgt		Staff NCO Academy Fire Inspector Supervisory Firefighters Course	**FMF Duty:** MWSG/MWSS **Non-FMF Duty:** Station/ Instructor
Sgt		Sergeant's Course NCO School EMT (A) Course	FMF Duty: MWSS **Non-FMF Duty:** Station
Cpl		Corporal's Course NCO School Hazardous Materials Awareness Course Wildlands Firefighting	**FMF Duty:** MWSS **Non-FMF Duty:** Station

FIGURE 3-34.—Airfield Services Career Structure Chart

LCpl-Pvt	Fire Protection Apprentice/	Basic Structural Firefighting (Marines) Course Cardiopulmonary Resuscitation	**FMF Duty:** MWSS **Non-FMF Duty:** Station

FIGURE 3-34.—Airfield Services Career Structure Chart

3142. **OCCUPATIONAL FIELD 72, AIR CONTROL/AIR SUPPORT/ANTIAIR WARFARE/AIR TRAFFIC CONTROL**

1. Introduction. The air control, air traffic control, air support, and antiair warfare OccFld includes the operation and management of the air command and control functions associated with the Marine aircraft wing. Qualifications required include manual dexterity for man-machine interface, highly developed visual/auditory skills, the ability to communicate effectively with radios, and the leadership and skills to work effectively as a member of a command and control team. The duties involve skills and procedures that are initially acquired through formal schools and further developed by individual and team training. Air control, air traffic control, air support and antiair warfare Marines will be required to learn the emplacement, cabling orientation and operation of air command, control, traffic control, and antiair warfare defense systems and equipment. Entry-level assignments include LAAD gunner, air command and control operator, air traffic controller, and air support operations operator. A wide variety of FMF billets are available in the OccFld in the active and reserve forces at group, squadron/battalion, or battery level. Numerous non-FMF assignments also exist at the Marine Corps Systems Command, Marine Corps Air Stations worldwide, as instructors at MOS-producing schools, and in various Category "B" billets. Marines will participate in routine air command and control functions while training for a designated MOS within the OccFld. (See figure 3-35 for additional information concerning the career/grade structure and schooling of these Marines.) For actual requirements of duties, and how these duties are developed through individual and team training for each MOS, refer to MCO P3500.19_, Aviation Training and Readiness Manual, Volume 5, Marine Air Command and Control System (MACCS).

2. MOS 7212, Low Altitude Air Defense (LAAD) Gunner (MGySgt to Pvt)

a. Summary. LAAD gunners operate and perform prescribed maintenance on LAAD surface-to-air weapon systems.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Non-MOS qualified prior service Reserve Marines, or other Reserve Marines who hold a PMOS other than 7212, may be certified for MOS 7212 by attending the LAAD Gunner Course. If the course is not available in a timely manner, or a Marine is unable to attend the course, a unit commander may certify a Marine to be fully qualified and award AMOS-only 7212 upon successful completion of the Alternate Training Instructional Program (ATIP) of Marine Force Reserves, as described in COMMARFORRES Order 1535.1.

(3) Must possess a valid state driver's license.

(4) Driving record search conducted by the National Driver Register.

(5) Cannot be left eye dominant.

(6) Must have a secret security clearance.

(7) Physical profile category A.

(8) Must have normal color vision.

(9) Must have 20/20 vision (may be correctable to 20/20 with eyeglasses or contact lenses).

(10) Hearing loss no greater than 15 db between 500-2,000 Hz.

(11) Not less than 5 feet 4-inches in height, or more than 6 feet 8-inches in height.

(12) Must be a U.S. citizen.

c. Duties

(1) MGySgt to Pvt:

(a) Performs the prescribed procedures for the receipt, transportation, handling, and maintenance of LAAD weapons.

(b) Learns and follows standing operating procedures for the deployment and employment of LAAD weapons.

(c) Maintains a working knowledge of threat aircraft characteristics and capabilities.

(d) Accurately locates and reports firing positions using a map.

(e) Complies with established rules of engagement and firing doctrines.

(f) Evaluates target course, speed, range, and relative position.

(g) Utilizes established "safe corridors" and applicable fire control restraints in the operating area.

(h) Learns aircraft traffic patterns at each airfield near gunner positions firing.

(i) Responds to all defense warnings and conditions of readiness with appropriate actions regardless of restraints imposed by each weapon’s control/condition.

(j) Conducts daily inspections of LAAD weapons and their components and ancillary equipment.

(k) Complies with safety precautions, especially concerning back blast zone and backstop considerations.

(l) Handles misfires, hang fires, and duds.

(m) Performs emergency destruction of LAAD weapons and ancillary equipment when necessary.

(n) Operates organizational communications equipment using proper radio/telephone procedures, and using alternate communication means when required.

(o) Reports unidentified aircraft to the air control system utilizing established procedures.

(p) Submits action reports.

(2) MGySgt to Cpl:

(a) Performs the duties of a LAAD section leader.

(b) Employs, operates, and maintains the Tactical Defense Alert Radar 9TDAR).

(c) Interfaces the TDAR with an automated Marine Air Command and Control system (MACCS).

(3) MGySgt to SSgt:

(a) Performs the duties of a LAAD platoon sergeant supervising the emplacement and employment of LAAD sections.

(b) Prepares map overlays and plotting boards depicting the disposition and status of LAAD sections and teams.

(c) Supervises unit and individual training and maintains training records.

(4) MGySgt to GySgt. Performs duties as operations chief of a LAAD battery.

(5) MGySgt. Performs duties as operations chief of a LAAD battalion.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 7234, Air Control Electronics Operator (Sgt to Pvt)

a. Summary. Air command and control electronics operators perform duties incident to the operation of tactical air command and control systems and supervise and participate in the movement, emplacement, cabling, orientation, and operation of tactical air command and control systems. Operators are capable of filling any operational billet appropriate to grade in MACS, TACC, or MACG headquarters.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Complete the Air Control Electronics Operator Course.

(3) Must have secret security clearance.

(4) Must have normal color vision.

(5) Must be a U.S. citizen.

c. Duties

(1) Emplaces, adjusts, operates, and performs first echelon maintenance on air command and control electronic equipment, shelters, status boards, plotting boards, and other associated equipment.

(2) Plots position, course, bearing, and speed of aircraft from a plan position indicator.

(3) Plots and converts polar and XY coordinates and the various grid systems.

(4) Records data on required status and plotting boards.

(5) Maintains operations logs.

(6) Acquires and identifies aircraft returns from radar reports.

(7) Assists in tracking aircraft.

(8) Assists GCI controllers in performing air intercepts.

(9) Conducts flight following of aircraft.

(10) Provides navigational assistance.

(11) Operates, observes, and reports the readings of various electronics equipment in a clear and an electronic countermeasures environment.

(12) Sends, receives, and relays information, requests, and instructions over communications nets.

(13) Performs liaison necessary to ensure effective air support, command, and control operations.

(14) Operates AC/AAW systems which include the independent or coordinated operation and use of missile control, aircraft control, radar, and communications systems.

(15) Supervises and participates in preparation of system equipment for movement and combat.

(16) Supervises construction and camouflage of protected positions.

(17) Directs and supervises the training of air control personnel attached to the unit to which assigned.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Air Support Operations Operator, 7242.

4. MOS 7236, Tactical Air Defense Controller (MGySgt to Sgt)

a. Summary. Tactical air defense controllers direct aircraft in the interception of hostile aircraft, provide positive control of friendly aircraft, and participate in the coordination of surface-to-air weapons and interceptors in an antiair warfare environment.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Must complete the Tactical Air Defense Controller Course (MOS 7236), and have a minimum of 1 year experience as a 7234. Additionally, all 7234, 300 Level T&R training events must be completed.

(3) Must be currently qualified in MOS 7234.

(4) Must have a secret security clearance.

(5) Must have normal color vision.

(6) Receive 6 months MOJT.

c. Duties

(1) MGySgt to Sgt:

(a) Maintains operations logs and prepares operations maps and overlays.

(b) Conducts ground controlled intercepts.

(c) Provides flight following and navigational assistance.

(d) Provides positive control of friendly aircraft.

(e) Receives and evaluates data from electronics equipment in a clear and electronics countermeasures environment.

(2) MGySgt to SSgt:

(a) Recognizes various types of interference encountered on electronic equipment and recommends corrective action.

(b) Selects positions for and supervises the emplacement of the operations section of the air control unit to which attached.

(c) Supervises the conduct of operations of the air control unit to which attached.

(d) Coordinates the operations of the air control unit to which attached with adjacent air control units.

(e) Operates, observes, and reports the readings of various electronics equipment in a clear and an electronic countermeasures environment.

(f) Operates AC/AAW systems which include the independent or coordinated operation and use of missile control, aircraft control, radar, and communications systems.

(g) Supervises and participates in preparation of system equipment for movement and combat.

(h) Supervises construction and camouflage of protected positions.

(i) Directs and supervises the training of air control personnel attached to the unit to which assigned.

(3) MGySgt to GySgt:

(a) Supervises the surveillance section of the TAOC.

(b) Assists in the direction and coordination of electronics countermeasures and electronics counter countermeasures operations.

(c) Supervises en route air traffic controllers.

(d) Directs aircraft in the interception of hostile aircraft.

(4) MGySgt and MSgt:

(a) Participates in the coordination of surface-to-air weapons and interceptors in an antiair warfare environment.

(b) Evaluates relative strength of enemy attack.

(c) Supervises the conduct of operations of the air control unit to which assigned.

(d) Complies with the procedures for the tactical employment of the TAOC.

(5) MGySgt:

(a) Coordinates the operations of the TAOC with adjacent air control units.

(b) Directs and supervises the training of air control personnel attached to the unit to which assigned.

d. Related DOT Classification/DOT Code. No civilian equivalent.

5. MOS 7242, Air Support Operations Operator (MGySgt to Pvt)

a. Summary. Air support operations operators perform duties incidental to the operation of tactical air support systems, operating various electronics equipment in a clear and electronics countermeasures environment, performing liaison necessary to ensure effective air support operations, and supervising and participating in preparation, movement, and emplacement of air support equipment.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Air Support Operations Operator Course.

(3) Must have a secret security clearance.

(4) Must have normal color vision.

(5) Must be a U.S. citizen.

c. Duties

(1) MGySgt to Pvt:

(a) Sends, receives, and relays information, requests, and instructions over communication nets.

(b) Implements the principles for operation of air support systems to include the coordination required between air support and other command and control units.

(c) Emplaces, adjusts, operates, and performs first echelon maintenance on air support electronic equipment, shelters, status boards, plotting boards, and associated equipment.

(d) Plots and converts polar and XY coordinates and the various grid systems.

(e) Records data on required status and plotting boards.

(f) Utilizes correct plotting symbols, radio and telephone procedures, and air command and control terminology.

(g) Maintains operations logs.

(2) MGySgt to Cpl:

(a) Utilizes standard emergency procedures when required.

(b) Utilizes performance characteristics of military aircraft as required.

(3) MGySgt to Sgt:

(a) Recognizes various types of interference encountered on electronic equipment and recommends corrective action.

(b) Prepares operations maps and overlays.

(4) MGySgt to SSgt:

(a) Implements procedures for calibration, orientation, and synchronization of air support electronics equipment.

(b) Implements the principles of the tactical employment of air support units.

(5) MGySgt and MSgt:

(a) Supervises the conduct of operations of the Direct Air Support Center.

(b) Supervises first echelon maintenance of the equipment assigned to the Direct Air Support Center.

(c) Supervises and participates in the preparation for movement and combat of equipment assigned to the Direct Air Support Center.

(d) Selects positions for and supervises the emplacement of the Direct Air Support Center.

(e) Directs and supervises the training of air support personnel.

(6) MGySgt:

(a) Supervises the conduct of operations of the air support unit.

(b) Coordinates the operations of the air support unit with adjacent air control/antiair warfare units.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Tactical Air Defense Controller, 7236.

6. MOS 7251, Air Traffic Controller-Trainee (Sgt to Pvt)

a. Summary. While undergoing instruction under general supervision, trainees pursue qualifications in air traffic control, MOS 7257.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Must meet the physical requirements per NAVMED P-117, chapter 15, article 65, para 7(W) and pass a medical examination.

(3) Must possess normal color vision.

(4) Complete the Air Traffic Control Basic Course (ACA1), Airman Written Test (AWT), NATTC, NAS Pensacola, FL, and receive an air traffic control specialist certificate.

(5) Must possess a secret security clearance.

c. Duties. Perform as an air traffic controller-trainee under general supervision for MOS 7257, air traffic controller.

d. Related DOT Classification. No civilian equivalent.

7. MOS 7252, Air Traffic Controller-Tower (GySgt to Pvt)*

a. Summary. Air traffic controller-tower perform various duties within a control tower at an established air traffic control facility, expeditionary airfield, or remote landing area incident to the control of friendly aircraft operating within assigned airspace, maintaining visual surveillance of the terminal control area and other movement areas, formulating and issuing clearances and instructions to aircraft and vehicular traffic operating on runways, landing areas, and taxiways. This MOS may be assigned a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Must meet the physical requirements per NAVMED P-117, chapter 15, article 65, para 7(W) and pass a medical examination.

(3) Must possess normal color vision.

(4) Qualify as a local controller and possess a valid Federal Aviation Administration (FAA) Control Tower Operator (CTO) license.

(5) Must possess a secret security clearance.

(6) Must possess MOS 7257.

c. Duties

(1) Cpl to Pvt: Performs duties on all operational positions in a control tower.

(2) Sgt to Cpl: Performs duties as a control tower watch supervisor in accordance with the current edition of the air traffic control NAPTOPS manual (NAVAIR 00-80T-114).

(3) GySgt and SSgt:

(a) Perform duties as a control tower watch supervisor.

(b) May act as a crew chief.

(4) GySgt:

(a) May act as a control tower chief or training standardization supervisor.

(b) Organizes and administers a control tower.

(c) May perform as a detachment NCOIC within a Marine Air Control Squadron (MACS).

(d) May perform as the control tower operator examiner.

d. Related DOT Classification/DOT Code

(1) Air Traffic Control Specialist, Tower 193.162-018.

(2) Chief Controller 193.167-010.

e. Related Military Skill

(1) Air Traffic Controller, 7257.

(2) Senior Air Traffic Controller, 7291.

8. MOS 7253, Air Traffic Controller-Radar (GySgt to Pvt)*

a. Summary. Air traffic controllers-radar perform various duties within a radar facility incident to the control of air traffic at an established air traffic control facility, expeditionary airfield, or remote landing areas. They coordinate aircraft movement information with associated facilities or agencies, coordinate current weather and airfield conditions as required, and perform air traffic control duties in both tactical and nontactical air traffic control organizations. This MOS may be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must possess MOS 7257.

(2) Must meet the physical requirements per NAVMED P-117, chapter 15, article 65, para 7(W) and pass a medical examination.

(3) Must possess normal color vision.

(4) Qualify as a radar final controller.

(5) Qualify as a radar arrival/departure controller.

(6) Must have a secret security clearance.

c. Duties

(1) Cpl to Pvt: Performs duties as a radar final controller.

(2) Sgt to Cpl: Supervises trainees on radar final controller positions.

(3) Sgt to Cpl: Performs as an arrival/departure controller.

(4) Sgt to Cpl: Supervises trainees on radar final controller positions.

(5) GySgt and SSgt:

(a) Performs duties as a radar watch supervisor.

(b) May act as a crew chief.

(6) GySgt:

(a) May act as a radar chief or training standardization supervisor.

(b) Organizes and administers a radar facility.

(c) May perform as the air traffic control specialist examiner.

(d) May perform as detachment NCOIC within a Marine Air Control Squadron (MACS).

d. Related DOT Classification/DOT Code

(1) Air-Traffic-Control Specialist, Tower 193.162-018.

(2) Chief Controller 193.167-010.

e. Related Military Skill

(1) Air Traffic Controller, 7257.

(2) Senior Air Traffic Controller, 7291.

9. MOS 7254, Radar Approach Controller (GySgt to Pvt)*

a. Summary. Radar approach controllers perform duties within a radar facility incident to the control of aircraft at an established air traffic control or expeditionary airfield, maintaining radar surveillance of approach control airspace, processing and coordinating aircraft passing through the terminal control area entering arrival/departure control airspace. This MOS may be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must be an MOS 7251/7257.

(2) Must meet the physical requirements per NAVMEDS P-117, chapter 15, article 65, para 7(W), and pass a medical examination.

(3) Must possess normal color vision.

(4) Qualify as a radar approach controller.

(5) Must have a secret security clearance.

(6) Possess a valid air traffic control specialist certificate.

c. Duties

(1) Maintains radar surveillance of assigned area and provides radar service to aircraft as required.

(2) Coordinates and controls the movement of instrument air traffic within the air traffic control area of responsibility.

(3) Determines the interval to be used between the instrument traffic involved in successive approaches and/or departures plus any enroute instrument traffic taking into consideration all aspects of the air traffic situation, reliability and adequacy of communication, reliability of navigational and other approach aids, types of aircraft under control, weather, runway in use, and all other factors that may affect air traffic operations.

(4) Originates and reviews standard instrument approach and departure procedures.

(5) Provides technical assistance within the air traffic control activity or to outside agencies.

d. Related DOT Classification/DOT Code. Chief Controller 193.167-010.

e. Related Military Skill

(1) Air Traffic Controller, 7257.

(2) Senior Air Traffic Controller, 7291.

10. MOS 7257, Air Traffic Controller (GySgt to Pvt)

a. Summary. Air traffic controllers routinely perform various duties and tasks related to the control of air traffic and vehicles within the designated areas aboard an established airport control zone, expeditionary airfield, or remote area landing site. These duties are performed within control towers, radar facilities, and expeditionary air traffic control equipment.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Must meet the physical requirements per NAVMED P-117, chapter 15, article 65, para 7(w) and pass a medical examination.

(3) Must possess normal color vision.

(4) Must have achieved control tower position qualifications on ground control and tower flight data, or must have achieved radar position qualifications on radar final control and radar flight data/coordinator.

(5) Must have a secret security clearance.

(6) Must possess MOS 7251.

c. Duties

(1) GySgt to Pvt: Performs duties on operational positions in control towers and radar air traffic control facilities.

(2) GySgt to Cpl: Supervises trainees on operational positions in control towers and radar air traffic control facilities in accordance with the current edition of the air traffic control NATOPS manual (NAVAIR 00-80T-114).

(3) GySgt to SSgt:

(a) Performs as a tower watch supervisor/radar watch supervisor.

(b) May act as a crew chief.

(c) Performs duties on all operational positions in an air traffic control facility except radar approach control.

(4) GySgt:

(a) May act as an MCAS ATC NCOIC, control tower chief, training and standardization supervisor, or radar chief.

(b) Organizes and administers a control tower or radar facility.

(c) May perform as the air traffic control specialist examiner.

(d) May perform as a detachment NCOIC within a Marine Air Control Squadron (MACS).

(e) May perform as the Control Tower Operator (CTO) examiner.

(f) May perform duties as a radar approach controller.

d. Related DOT Classification/DOT Code

(1) Air Traffic Control Specialist, Tower 193.162-018.

(2) Chief Controller 193.167-010.

e. Related Military Skill. Senior Air Traffic Controller, 7291.

11. MOS 7277, Weapons and Tactics Instructor-Air Control (MGySgt to SSgt)*

a. Summary. Weapons and tactics instructor-air control officer and enlisted train aviation personnel on aviation ground equipment/weapons systems for operations in a total threat environment in coordination with ground and other aviation units. This MOS is assigned only as a skill designator MOS to qualified air control/air support/antiair warfare personnel.

b. Requirement/Prerequisites. Complete the Marine Aviation Weapons and Tactics Squadron Weapons and Tactics Instructor Course at MCAS Yuma, AZ.

c. Duties

(1) Manages a unit’s weapons and tactics training program.

(2) Performs classroom and operational instruction on various facets of the equipment/weapons systems.

(3) Analyses performance and provides corrective guidance.

(4) Instructs on current enemy capabilities and tactics to counter their threat.

d. Related DOT Classification /DOT Code. No civilian equivalent.

e. Related Military Skill. None.

12. MOS 7291, Senior Air Traffic Controller (MGySgt to MSgt)

a. Summary. The senior air traffic controller assists and advises the air traffic control detachment commander, Marine Air Control Squadron (MACS) operations officer, or the air station air traffic control facility officer. The senior air traffic controller supervises and instructs air traffic controllers, providing information concerning the safe, accurate, and efficient application of air traffic control procedures.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Must meet the physical requirements per NAVMED P-117, chapter 15, article 65, para 7(w) and pass a medical examination.

(3) Must possess normal color vision.

(4) Complete the Facility Management/Terminal Instrument Procedures (TERPS) course or equivalent DoD/DOT course of instruction, the Advanced Radar Air Traffic Control (ARATCC), the Multi-TADIL Advanced Joint Interoperability Course (MAJIC), and the Joint Air Operations Staff Course (JAOSC).

(5) Must possess a secret security clearance.

(6) Must possess PMOS 7257 and valid Federal Aviation Administration (FAA) Control Tower Operators (CTO) license, and an air traffic control specialist certificate.

c. Duties

(1) Supervises Marines and/or civilian personnel assigned to an air traffic control facility, air traffic control detachment, or Marine Air Control Squadron (MACS) to include operations, training, readiness and evaluations.

(2) Provides assistance and makes recommendations to the air traffic control facility officer, air traffic control detachment command, or Marine Air Control Squadron (MACS) operations officer concerning the improvement of work spaces, procedures, working conditions, and the welfare and morale of enlisted personnel.

(3) Coordinates the assignment and supervision of enlisted air traffic controllers.

(4) Maintains the directives and technical publications libraries.

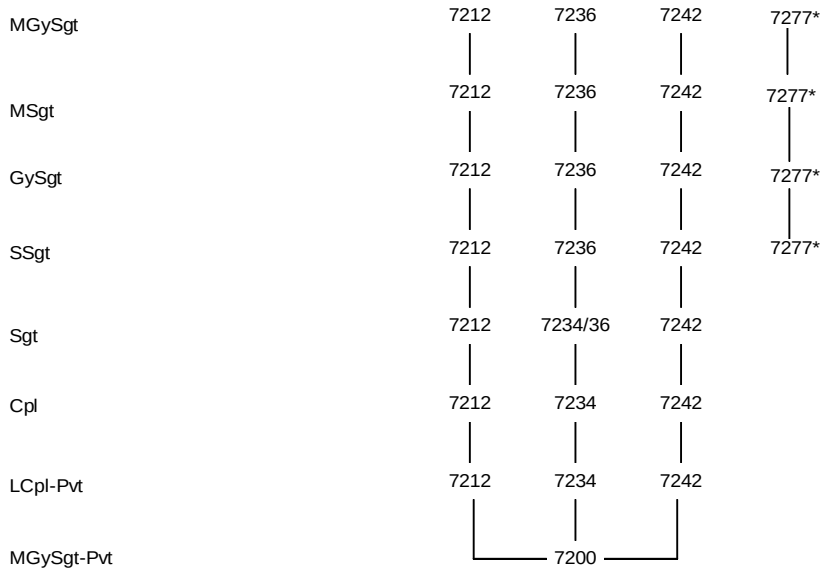
(5) Manages the Marine Forces Air Traffic Control Quality Assurance Management Program in conjunction with current rules, regulations, and the air traffic control NATOPS manual (NAVAIR 00-80T-114).

d. Related DOT Classification/DOT Code

(1) Air Traffic Control Specialist-Tower 193.162-018.

(2) Chief Controller 193.167-010.

e. Related Military Skill. Air Traffic Controller, 7257.



* Identifies skill designator MOSs only.

MOS	TITLE
7200	Basic Air Control/Air Support/Anti-air Warfare/Air Traffic Control Marine
7212	Low Altitude Air Defense Gunner
7234	Air Control Electronics Operator
7236	Tactical Air Defense Controller
7242	Air Support Operations Operator
7251	Air Traffic Controller, Trainee
*7252	Air Traffic Controller, Tower

*7253 Air Traffic Controller, Radar
*7254 Radar Approach Controller
7257 Air Traffic Controller
*7277 Weapons and Tactics Instructor-Air Control
7291 Senior Air Traffic Controller

FIGURE 3-35.--Air Control/Air Support/Antiair Warfare/Air Traffic Control Structure Chart

MOS 7212, Low Altitude Air Defense (LAAD) Gunner

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 7212			**FMF Duty:** LAAD Bn **Non-FMF Duty:** LAAD Bn (R)
MSgt 7212			**FMF Duty:** LAAD Bn/Stinger Btry **Non-FMF Duty:** Instructor USAADASCH
GySgt 7212			**FMF Duty:** LAAD Bn/Stinger Btry **Non-FMF Duty:** LAAD Bn (R)/MAWTS-1/ Instructor USAADASCH/ LAV-AD
SSgt 7212			**FMF Duty:** LAAD Bn/Stinger Btry **Non-FMF Duty:** LAAD Bn (R)/LAV-AD
Sgt 7212		LAAD Section Leaders Course MACCS Enlisted Weapons Tactics Instructor Course (MAWTS-1)	**FMF Duty:** LAAD Bn/Stinger Btry **Non-FMF Duty:** LAAD Bn (R)/LAV-AD/ MAWTS-1/Instructor USAADASCH
Cpl 7212			**FMF Duty:** LAAD Bn/Stinger Btry **Non-FMF Duty:** LAV-AD
LCpl-Pvt 7212	LAAD Gunner Course		**FMF Duty:** LAAD Bn/Stinger **Non-FMF Duty:** None

FIGURE 3-35.--Air Control/Air Support/Antiair Warfare/Air Traffic Control Structure Chart

MOS 7234/7236, Air Control Electronics Operator/Tactical Air Defense Controller

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 7236			**FMF Duty:** MACS HQ **Non-FMF Duty:** HQMC
MSgt 7236		JAC2C	**FMF Duty:** MACG/MACS/MTACS **Non-FMF Duty:** MACG (R)/MCCES
GySgt 7236			**FMF Duty:** MTACS/MACS **Non-FMF Duty:** MACS (R)/MAWTS-1/ MCCES/MCTSSA FORSCOM/MCAGCC
SSgt 7236		Strike Fighters Tactics Course (Top Gun) MACCS Enlisted Weapons Tactics Instructor Course	**FMF Duty:** MACS/MTACS **Non-FMF Duty:** USACOM/MCCES/ MCAGCC ND&SM Course
Sgt 7234/36	Tactical Air Defense Controllers Course	Marine Division Tactics Course JTIDS Course	**FMF Duty:** MACS/MTACS **Non-FMF Duty:** MAC (R)/USACOM
Cpl 7234		Multi-TADIL Advanced Joint Interopera-bility Course JAC2C	**FMF Duty:** MACS/MTACS **Non-FMF Duty:** MACS (R)/MCAGCC/ MCTSSA/USACOM
LCpl-Pvt 7234	Air Control Electronics Operator Course		**FMF Duty:** MACS/MTACS **Non-FMF Duty:** None

FIGURE 3-35.--Air Control/Air Support/Antiair Warfare/Air Traffic Control Structure Chart

MOS 7242, Air Support Operations Operator

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt			**FMF Duty:** None **Non-FMF Duty:** MAWTS-1
MSgt		JAC2C Course	**FMF Duty:** MASS **Non-FMF Duty:** MCCES
GySgt			**FMF Duty:** MTACS/MASS/MACG **Non-FMF Duty:** MASS (R)/ACSEIT/MCCES
SSgt			**FMF Duty:** MTACS/MASS **Non-FMF Duty:** MTACS (R)/MASS (R)/ MCCES
Sgt		MACCS Enlisted Weapons Tactics Instructor Course	**FMF Duty:** MTACS/MASS **Non-FMF Duty:** MTACS (R)/MASS (R)/ MCCES
Cpl			**FMF Duty:** MTACS/MASS **Non-FMF Duty:** MASS (R)
LCpl-Pvt	Air Support Operations Operator Course		**FMF Duty:** MTACS/MASS **Non-FMF Duty:** MASS (R)/MCTSSA

FIGURE 3-35.--Air Control/Air Support/Antiair Warfare/Air Traffic Control Structure Chart

MOS 7251/7252/7253/7254/7257/7291, Air Traffic Controller

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 7291			**FMF Duty:** MACS HQ **Non-FMF Duty:** HQMC MMEA/COMCAB
MSgt 7291		JAC2C Course	**FMF Duty:** MACS HQ **Non-FMF Duty:** MCAS/MATSG/MAWTS-1
GySgt 7257		WTI MMT Leaders Course	**FMF Duty:** MACG/MACS HQ/ **Non-FMF Duty:** MCAS/MACS (R)
SSgt 7257		Advanced Radar Air Traffic Control Course USAF TERPS Course Airspace Management Course	**FMF Duty:** MACS ATC Det **Non-FMF Duty:** MCAS/NAS Pensacola MACS (R)
Sgt 7251/57		Sergeants Course MAJIC Course Advanced Marine Air Traffic Control and Landing System Operator Course	**FMF Duty:** MACS HQ/MACS ATC Det **Non-FMF Duty:** MCAS
Cpl			**FMF Duty:** MAC HQ/MAC ATC Det **Non-FMF Duty:** MCAS
LCpl-Pvt 7251/57	Air Traffic Control Basic Course		**FMF Duty:** MACS ATC Det **Non-FMF Duty:** MMCAS

FIGURE 3-35.--Air Control/Air Support/Antiair Warfare/Air Traffic Control Structure Chart

3143. OCCUPATIONAL FIELD 73, NAVIGATION OFFICER/ENLISTED FLIGHT CREWS

1. Introduction. The enlisted flight crews in this OccFld assist in the planning and execution of tactical in-flight refueling and assault support missions, perform navigational duties, and operate and maintain the various communication and loading equipment in transport aircraft.

2. MOS 7314, Unmanned Aerial Vehicle (UAV) Air Vehicle Operator (MGySgt to Pvt)

a. Summary. The air vehicle operator executes the proper techniques and procedures to maintain the planned flight profile of the UAV. They communicate through various networks with the payload operator, mission commander, and others as appropriate. They are responsible for execution of the payload mission(s) during UAV flights. Reports imagery viewed and when appropriate, performs standard call for fire procedures to direct weapon towards designated targets. Make effective use of the UAV payload through proper planning techniques, and crew coordination. Additionally, they set up and execute Remote Receiving Station operations to support designated units in receiving UAV imagery.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Must meet the physical requirements per NAVMED P-117 (Manual of the Naval Medical Department), section IV, article 15-65, paragraph 1.15.

(3) Must have normal color vision.

(4) Completion of formal training NAMTRA GRU DET, Milton, FL.

(5) Familiarity with intelligence and call for fire report formats.

(6) Knowledge of airspace command and control agencies and procedures.

(7) Knowledge of supporting arms command and control agencies and procedures.

(8) Basic preventative maintenance skills.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.82A, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

3. MOS 7316, External Unmanned Aerial Vehicle (UAV) Operator (MGySgt to Sgt)*

a. Summary. External UAV operators execute the initial takeoff and final landing phases of UAV operations. They are also an integral part of all mission planning, takeoff and landing sequences, and crew coordination aspects of UAV flight.

b. Requirements/Prerequisites

(1) This MOS is to be assigned as a skill designator MOS to qualified Air Vehicle Operators (MOS 7314) who have successfully completed formal training at Fort Huachuca, AZ in external UAV operations.

(2) Superior adaptability to three-dimensional spatial relationships.

(3) Must meet all the physical requirements per NAVMED P-117 (Manual of the Naval Medical Department), section IV, article 15-65, paragraph 1.15, as MOS 7314, with the following addition: Depth Perception-AFVT A-D.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.82A, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

4. MOS 7371, Tactical Systems Operator Trainee (GySgt to Pvt)

a. Summary. Tactical systems operator trainees, under instruction or close supervision, train for qualification as tactical systems operators, to master the basic navigation and mission planning skills and procedures required to perform duties in a tactical environment, to include: dead reckoning, long range mission planning, aerial refueling, aerial delivery, and low-level flight.

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Must have normal color vision.

(3) Must be a U.S. citizen.

(4) Volunteer for duties involving flight as an aircraft crewmember.

(5) Must be a second-class swimmer or higher.

(6) Must be eligible for a secret security clearance.

(7) Must meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(8) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.

(9) Complete the qualifying course of instruction and screening requirements established by the Director of the Marine Aerial Navigation School (MANS) and conducted by the MANS staff at MATSG, NAS Pensacola, FL.

(10) Must have 36 months of obligated service upon completion of formal "C" school training.

(11) Complete the appropriate formal "C" school at Marine Aerial Navigation School, Randolph AFB, San Antonio, TX.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.15, Aviation Training and Readiness (T&R) Manual for MOS 7371.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

5. MOS 7372, Tactical Systems Operator/Mission Specialist (MGySgt to LCpl)

a. Summary. Tactical systems operators/mission specialist perform advanced tactical navigation, threat assessment, and global mission planning tasks and procedures required to conduct in-flight operations in a tactical environment, to include: tactical pilotage, aerial refueling, aerial delivery, low-level flight, night vision systems, battlefield illumination and defensive systems.

b. Requirements/Prerequisites

(1) Must be qualified in MOS 7371.

(2) Complete Survival Evasion Resistance and Escape (SERE) school.

(3) Complete the appropriate formal "C" school at the Marine Aerial Navigator Flight Training School at VMGRT-253, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.15, Aviation Training and Readiness (T&R) Manual for MOS 7372.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

6. MOS 7381, Airborne Radio Operator/In-flight Refueling Observer/Loadmaster Trainee (ARO/IRO/LM) (Sgt to Pvt)

a. Summary. Airborne radio operator/in-flight refueling observer/loadmaster trainee under instruction or close supervision, train for qualification as an airborne radio operator/in-flight refueling observer/loadmaster and perform such duties as required to master basic skills and procedures in a variety of missions, to include: operation of high frequency radio equipment, diagnose and correct minor equipment malfunctions and perform minor in-flight troubleshooting and repair, safety observer for aerial refueling evolutions, staging/loading of cargo and passengers aboard tactical transport aircraft, computing of weight and balance, determining cargo restraint criteria, applying cargo restrains, transporting of hazardous material aboard military aircraft, conducting the aerial delivery of passengers and cargo, and conducting rapid ground refueling.

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Must possess an MM score of 105 or higher.

(3) Must have normal color vision.

(4) Must be a U.S. citizen.

(5) Volunteer for duties involving flight as an aircraft crewmember.

(6) Must be a second-class swimmer or higher.

(7) Must be eligible for a secret security clearance.

(8) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(9) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.

(10) Complete the qualifying course of instruction and screening requirement established by the Director of the Airborne Radio Operator/In-flight Refueling Observer/Loadmaster School and conducted by the ARO/IRO/LM staff (VMRGT-253) at MATSG, NAS Pensacola, FL.

(11) Complete Survival Evasion Resistance and Escape (SERE) School.

(12) Complete the formal "C" school, Basic Loadmaster Course with the 189th Air National Guard, Little Rock AFB, Little Rock, AR.

(13) Complete the formal "C" school, Loadmaster Initial Qualification Course with the 314th Operation Group, Little Rock AFB, Little Rock, AR.

(14) Complete the formal "C" school, Loadmaster Mission Qualification Course with the 314th Operation Group, Little Rock AFB, Little Rock, AR.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.15, Aviation Training and Readiness (T&R) Manual for MOS 7381.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

7. MOS 7382, Airborne Radio Operator/In-flight Refueling Observer/Loadmaster (MGySgt to LCpl)

a. Summary. Airborne radio operator/in-flight refueling observer/loadmaster perform duties as required in a variety of missions, to include: operation of high frequency radio equipment, diagnose and correct minor equipment malfunctions and perform minor in-flight troubleshooting and repair, safety observer for aerial refueling evolutions, staging/loading of cargo and passengers aboard tactical transport aircraft, computing of weight and balance, determining cargo restraint criteria, applying cargo restraints, transporting of hazardous material aboard military aircraft, conducting the aerial delivery of passengers and cargo, and conducting rapid ground refueling.

b. Requirements/Prerequisites

(1) Must be qualified in MOS 7381.

(2) Complete the appropriate formal "C" school, Airborne Radio Operator/In-flight Refueling Observer/Loadmaster Course, at VMGRT-253, MCAS Cherry Point, NC.

(3) Must have 36 months of obligated service upon completion of formal "C" school.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.15, Aviation Training and Readiness (T&R) Manual for MOS 7382.

d. Related DOT Classification/DOT Code. Cargo Dispatcher 248.367-018.

e. Related Military Skill. Air Cargo Handler, Field Radio Operator, 2531.

MGySgt	7314	7316*	7372	7382
MSgt	7314	7316*	7372	7382
GySgt	7314	7316*	7371-72	7382
SSgt	7314	7316*	7371-72	7382
Sgt	7314	7316*	7371-72	7381-82
Cpl	7314		7371-72	7381-82
LCpl-Pvt	7314		7371-72	7381-82

* Identifies skill designator MOSs only.

MOS	TITLE
7300	Basic Enlisted Flight Crew Marine
7314	UAV Air Vehicle Operator
*7316	External UAV Operator
7371	Aerial Navigator-Trainee
7372	First Navigator
7381	Airborne Radio Operator/Loadmaster-Trainee
7382	Airborne Radio Operator/Loadmaster

FIGURE 3-36.--Navigation Officer/Enlisted Flight Crews Career Structure Chart

MOS 7372, Aerial Navigator/First Navigator

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 7372			**FMF Duty:** Sqdn **Non-FMF Duty:** MANS Instr
MSgt 7372			**FMF Duty:** Sqdn **Non-FMF Duty:** MANS Instr/ Instr
GySgt 7371/7372	Advanced SNCO	Combat Aircrew Training School	**FMF Duty:** Sqdn **Non-FMF Duty:** Navy Flt Demo Sqdn/MANS Instr/ FRS Instr
SSgt 7371/7372	SNCO Academy	Central Altitude Reservation Function Course	**FMF Duty:** Sqdn **Non-FMF Duty:** MANS Instr/ FRS Instr
Sgt 7371/7372	NCO School	Weapon & Tactics Air Crew Instructor	**FMF Duty:** Sqdn **Non-FMF Duty:** MANS Instr/ FRS Instr
Cpl 7371/7372	NCO School	Advance Airlift Tactics Training Course	**FMF Duty:** Sqdn **Non-FMF Duty:** None
LCpl-Pvt 7371/7372	Marine Aerial Navigation/School Fleet Replacement Squadaron Course SERE Naval Aircrew Candidate School		**FMF Duty:** Sqdn **Non-FMF Duty:** None

FIGURE 3-36.--Navigation Officer/Enlisted Flight Crews Career Structure Chart

MOS 7381/7382, Airborne Radio Operator/Loadmaster

Rank	Required Training	Skill Enhancement	MOS Assignment
MGySgt 7382			**FMF Duty:** Sqdn **Non-FMF Duty:** Dir FRS ARO/LM
MSgt 7382			**FMF Duty:** Sqdn **Non-FMF Duty:** FRS Instr
GySgt 7382	Advanced SNCO Training School		**FMF Duty:** Sqdn **Non-FMF Duty:** Navy Flt Demo Sqdn/FRS Instr/SOES
SSgt 7381/7382	SNCO Academy		**FMF Duty:** Sqdn **Non-FMF Duty:** FRS Instr/SOES
Sgt 7381/7382	NCO School	Weapons & Tactics Air Crew Instructor Air Transport of Hazardous Cargo Record of Weight and Balance	**FMF Duty:** Sqdn **Non-FMF Duty:** FRS Instr/ SOES
Cpl 7381/7382	NCO School	Advance Airlift Tactics Training Course Dual Rail Maintenance Course	**FMF Duty:** Sqdn **Non-FMF Duty:** FRS Instr/SOES
LCpl-Pvt 7381/7382	Airborne Radio Operator/ Loadmaster Flt Trng Loadmaster Mission Qualification Course Loadmaster Initial Qualification Course Basic Loadmaster SERE Naval Aircrew Candidate School		**FMF Duty:** None **Non-FMF Duty:** None

FIGURE 3-36.--Navigation Officer/Enlisted Flight Crews Career Structure Chart

3144. **OCCUPATIONAL FIELD 8000 TO 9599, CATEGORY B MOSs**

MOS	TITLE
8111	Combat Rubber Reconnaissance Craft (CRRC) Coxswain
8112	Riverine Assault Craft (RAC) Crewman
8114	Rigid Raiding Craft (RRC)/Rigid Hull Inflatable Boat (RHIB) Coxswain
**8151	Guard
**8152	Marine Corps Security Force (MCSF) Guard
**8153	Marine Corps Security Force (MCSF) Cadre Trainer
**8154	Marine Corps Security Force (MCSF) Close Quarters Battle (CQB) Team Member
8231	Education Assistant
8411	Recruiter
8412	Career Recruiter
8421	Career Retention Specialist
8431	Psychological Operations Noncommissioned Officer
8511	Drill Instructor
8513	Marine Combat Instructor
8530	Marksmanship Coach
**8531	Marksmanship Instructor
8532	Small Arms Weapons Instructor
8534	Equal Opportunity Advisor (EOA)
8538	Substance Abuse Counselor
8541	Scout-Sniper
8551	Martial Arts Instructor
8552	Martial Arts Instructor-Trainer
8563	Water Safety/Survival Instructor
8611	Interpreter (Designated Language)
8621	Surveillance Sensor Operator
8641	Microminiature Repairer
8652	Reconnaissance Man, Parachutist Qualified
8653	Reconnaissance Man, Combatant Diver Qualified
8654	Reconnaissance Man, Parachute and Combatant Diver Qualified
8711	Ground Operations Specialist
8811	Firefighter
**8911	Barracks and Grounds Marine
**8915	Food Service Attendant
8921	Athletic and Recreation Assistant
9051	Graves Registration Specialist

**To be used only as a billet designator in T/O's. Not to be assigned to personnel either as a primary or as a skill designator MOS.

1. MOS 8111, Combat Rubber Reconnaissance Craft (CRRC) Coxswain (SSgt to PFC)

a. Summary. The combat rubber reconnaissance craft (CRRC) coxswain is responsible for the safety and conduct of his boat team and the safe operation, handling, launch, recovery and maintenance of Combat Rubber Reconnaissance Craft (CRRC) and its associated equipment, components and SL-3 items.

b. Requirements/Prerequisites

(1) Qualified as combat water survival, second class (CWS-2).

(2) Completion of the Combat Rubber Reconnaissance Craft Coxswain Skills Course at Expeditionary Warfare Training Group, Pacific (EWTGPAC), 2d Special

Operations Training Group (SOTG) or 3d SOTG Combat Rubber Reconnaissance Craft Coxswain Skills Course or attend and graduate from the Basic Reconnaissance Course (BRC) at EWTGPAC/LANT with an additional six months of Managed-On-the Job Training (MOJT) at any Force Reconnaissance Company/Reconnaissance Battalion.

(3) Must have normal color vision and visual acuity.

(4) Assigned as a skill designator MOS after attending the formal school at EWTGPAC, 2d Special Operations Training Group (SOTG), or 3d SOTG Combat Rubber Reconnaissance Craft Coxswain Skills Course or by Recon Commanders after the Marine attends BRC and completes 6-months of MOJT on coxswain skills ITSs.

c. Duties

(1) Perform general coxswain skills:

(a) Utilize a nautical chart.

(b) Utilize a nautical compass.

(c) Safely operate a small craft.

(d) Operate in conjunction with hazardous marine life.

(e) Maneuver a small craft within a confined space.

(f) Maneuver a small craft during an open ocean transit.

(g) Come alongside another vessel.

(h) Utilize required knots.

(i) Interpret surf conditions.

(j) Organize a boat team.

(k) Waterproof equipment.

(l) Execute a clandestine landing and withdrawal.

(2) Combat Rubber Reconnaissance Craft (CRRC).

(a) Prepare the CRRC for operation.

(b) Operate the 35/55 hp outboard engine.

(c) Conduct landing procedures with the CRRC.

(d) Tow a CRRC.

(e) Launch/Recover a CRRC from amphibious shipping.

(f) Conduct first echelon maintenance on the CRRC.

(g) Conduct first echelon maintenance on the 35/55 hp outboard engine.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill

(1) Rigid Raiding Craft (RRC) Coxswain, 8114.

(2) Reconnaissance Man, 0321.

2. MOS 8112, Riverine Assault Craft (RAC) Crewman (GySgt to PFC)

a. Summary. The RAC crewman performs duties as either coxswain for the RAC or employs the onboard weapons systems (M340G, M2, MX-19). Officers, staff noncommissioned officers, and noncommissioned officers are assigned as boat captains, platoon leaders, or section leaders.

b. Requirements/Prerequisites

(1) GT score of 90 or higher.

(2) Complete the RAC Crewman Course at 2d SOTG, II MEF.

(3) Must be a minimum Combat Water Survival, Second Class (CSW-2).

(4) Assigned as a secondary MOS to 03 Marines serving in the Small Craft Company, 2d Marine Division or any other Marine unit employing the Riverine Assault Craft after graduating from the Riverine Assault Craft Crewman Course, or after undergoing a unit MOJT and six months observed time.

c. Duties

(1) Cpl-Pvt:

(a) Coxswain/Pilot a Riverine Assault Craft.

(b) Operate Riverine Assault Craft communication equipment.

(c) Employ Riverine Assault Craft weapon systems (M240G, M2, MK-19).

(d) Conduct first echelon maintenance on the Riverine Assault Craft.

(e) During tactical operations and/or training exercises coxswain/pilot the Riverine Assault Craft while in formation and during tactic movements.

(2) GySgt to Sgt:

(a) Assist in the preparation of the Riverine Operation Appendix to Annex C (Operations to the Operations Order).

(b) Directs the tactical employment of a Riverine Assault Craft Section and/or Platoon size element.

(c) Conduct Riverine operations; patrolling, observation/lessening posts, ambushes, fire support, and vessel search and seizure.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 8114, Rigid Raiding Craft (RRC)/Rigid Hull Inflatable Boat (RHIB) Coxswain (SSgt to PFC)

a. Summary. The rigid raiding craft/rigid hull inflatable boat (RHIB) coxswain is responsible for the safety and conduct of this boat team and embarked Marines, and the safe operation, launch, recovery, maintenance of the craft and its associated SL-3 equipment, and components.

b. Requirements/Prerequisites

(a) Qualified as Combat Water Survival, Second Class (CWS-2).

(b) Complete the Rigid Raiding Craft Coxswain Skills Course at 2d Special Operations Training Group (SOTG), II MEF, or participate in a six month MOJT conducted by the Small Craft Company, 2d Marine Division.

(c) Must have normal color vision and visual acuity.

(d) Assigned as a skill designator MOS after attending an approved Rigid Raiding Craft Coxswain Skills Course, or by the Commanding Officer, Headquarters Battalion, 2d Marine Division after six months of MOJT in the Small Craft Company 2d Marine Division.

c. Duties

(1) Perform general coxswain skills:

(a) Waterproof Rigid Raiding Craft equipment.

(b) Organize the boat team (crew) and embarked Marines.

(c) Utilize appropriate nautical/maritime knots.

(d) Utilize nautical charts.

(e) Utilize nautical compass.

(f) Interpret river, tributary, and delta conditions (current, shallow areas, choke points, etc).

(g) Maintain rigid raiding craft and engine.

(h) Coxswain/Pilot rigid raiding craft in confined/restricted spaces.

(i) Coxswain/Pilot rigid raiding craft in a unit formation during a Riverine movement.

(j) Coxswain/Pilot a rigid raiding craft alongside a pier or vessel.

(2) Rigid Raiding Craft (RRC).

(a) Perform first echelon maintenance on the Rigid Raiding Craft.

(b) Perform first echelon maintenance on the outboard engine.

(c) Prepare Rigid Raiding Craft for tactical operation.

(d) Launch the Rigid Raiding Craft from its trailer.

(e) Recover the Rigid Raiding Craft onto its trailer.

(f) During tactical operations and/or training ex4ercises Coxswain/Pilot the Rigid Raiding Craft while in formation and during tactic movements.

(g) Tow a disabled Riverine Assault Craft.

(h) Anchor a Riverine Assault Craft.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill

(1) Combat Rubber Reconnaissance Craft (CRRC) Coxswain, 8111.

(2) Reconnaissance Man, 0321.

4. MOS 8151, Guard (GySgt to Pvt)**

a. Summary. Guards enforce, or supervise the enforcement of security measures and the protection of classified material and United States property and personnel.

b. Requirements/Prerequisites

(1) Not to be assigned to personnel either as a primary or additional MOS.

(2) To be used only as a billet designator in T/O's.

c. Duties

(1) GySgt to Pvt:

(a) Enforces military or Department of State regulations and orders.

(b) Controls entrances and access to military installations, United States diplomatic missions, or other designated establishments.

(c) Verifies authenticity of passes and identification cards of military personnel, civilian employees, and visitors afoot or in motor vehicles entering or leaving installations or diplomatic missions.

(d) Prevents unauthorized removal and theft of United States Government property.

(e) Makes periodic checks of standing lights and locked doors and designated secure areas.

(f) Receives and verifies guard property.

(g) Maintains guard property accounts and guard report logbooks.

(h) Prepares offense, accident, unusual incident, injury reports and correspondence pertaining to activities of a guard unit.

(i) Assures that scheduled bugle calls are sounded.

(j) Conduct guard mount.

(j) Inspect and instruct guards and sentinels while on post.

(l) Supervises or assists in the supervising of the guard of the day during emergency situations.

(m) Directs traffic, escorts visitors, or vehicles delivering supplies and equipment.

d. Related DOT Classification/DOT Code. No civilian equivalent.

5. MOS 8152, Marine Corps Security Force (MCSF) Guard (GySgt to Pvt)**

a. Summary. The MCSF guard will be assigned to duty with MCSF units. He will be physically fit and mentally capable of enduring the rigors of combat. He will have the requisite knowledge to safely and properly employ the service rifle, pistol and shotgun. As a member of a reaction force, he will conduct offensive infantry tactics in confined spaces, ashore and afloat, to restore breached security and provide the final barrier/element of an integrated security plan for the asset being protected. He also must possess skills in land navigation and patrolling. In the grades of corporal through gunnery sergeant, as a security supervisor, the Marine will plan, evaluate, and supervise the implementation of site-specific security plans to protect assets designated as vital to the national security.

b. Requirements/Prerequisites

(1) Must meet prerequisites prescribed in MCO 1300.20, 5510.7, MCO 5521.3, and MCO 6100.3.

(2) Complete the Marine Corps Security Force Guard Course.

(3) To be used only as a billet designator in Marine Corps Security Force T/O.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.59, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

6. MOS 8153, Marine Corps Security Force (MCSF) Cadre Trainer (GySgt to Cpl)**

a. Summary. The MCSF cadre trainer will be assigned to selected Naval installation’s security departments to provide expertise in marksmanship/ antiterrorism training and force protection. The cadre will be a graduate of the Marine Corps Security Force Cadre Trainers Course and must possess good teaching skills. Their primary duty will be to train the installation's Navy Security Force (NSF) and Auxiliary Security Force (ASF). A secondary duty will be to assist the Deputy Security Officer in the preparation of the base defense plan and other security plans to include planning and monitoring exercises. The cadre must be knowledgeable concerning the following subjects: small arms training, use of force, physical training, unarmed combat, search techniques, terrorism awareness, weapons handling and employment, and any other security related topic required in applicable directives.

b. Requirements/Prerequisites

(1) Must meet the prerequisites prescribed in MCO 1300.20, MCO 5510.7, MCO 5521.3, and MCO 6100.3.

(2) Complete the Marine Corps Security Force Cadre Trainers Course.

(3) To be used only as a billet designator in Marine Corps Security Force T/O's.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.59, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

7. MOS 8154, Marine Corps Security Force (MCSF) Close Quarters Battle (CQB) Team Member (SSgt to LCpl)**

a. Summary. The MCSF CQB team member will be assigned to duty with MCSF Fleet Antiterrorism Security Teams (FAST) Companies and/or Security Force Companies. As a part of a CQB team and utilizing CQB techniques, the team member will be required to restore security to prevent access, damage, or removal of vital naval assets. The CQB team member will be physically and mentally capable of enduring the rigors of combat, be knowledgeable in the safe and proper employment of CQB weapons, be skilled in land navigation and patrolling, be well versed in interior guard procedures, and be familiar with antiterrorist tactics and techniques. He also will be required to conduct offensive infantry tactics in confined spaces, ashore and afloat, to restore security when breached.

b. Requirements/Prerequisites

(1) Must meet the prerequisites prescribed in MCO 1300.20, 5510.7, MCO 5521.3, and MCO 6100.3.

(2) Complete the Marine Corps Security Force Guard Course.

(3) Complete the Marine Corps Security Force Battalion Close Quarters Battle Course.

(4) To be used as a billet designator in Marine Corps Security Force T/O's.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.59, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

8. MOS 8231, Education Assistant (GySgt to Pvt)

a. Summary. The education assistant performs duties incident to the functioning of the education programs at a Marine Corps activity.

b. Requirements/Prerequisites. Must hold an Associate of Arts, Associate of Science degree, or complete 60 semester hours of college.

c. Duties

(1) GySgt to Pvt:

(a) Provides information and guidance on available off-duty and on-duty educational opportunities.

(b) Assists Marines in enrolling in courses offered by civilian institutions or in appropriate correspondence courses.

(c) Advises Marines on procedures for applying for educational achievement tests and for applying for credit for nontraditional educational experiences.

(d) Refers Marines to professional counselors and advisors provided by the civilian schools.

(e) Disseminates information concerning tests available from the Defense Activity for Nontraditional Education Support and assists the educational services officer in the administration of the tests.

(f) Organizes and schedules off-duty classes and maintains pertinent records.

(g) Requisitions and issues educational material.

(h) Prepares correspondence and reports of educational activity.

(i) Receives informational educational materials and provides for proper dissemination including the base media program.

(j) Assists in liaison with the appropriate Veterans' Administration (VA) office regarding use of VA educational assistance.

d. Related DOT Classification/DOT Code. Career Guidance Technician 249.367-014.

e. Related Military Skill. Correctional Counselor, 5832.

9. MOS 8411, Recruiter (MGySgt to Cpl)

a. Summary. The recruiter must be thoroughly familiar with the enlistment process from applicant prospecting to preparation for recruit training. Recruiters work in an environment external to the normal Marine Corps post, station, and FMF environments. Typical functions of the recruiter include preliminary screening and administrative processing, scheduling physical examinations, completion of enlistment documents, and maintaining accurate records. Recruiters also provide the community with Marine Corps publicity material and assist in civic events. They are stationed at recruit depots, recruiting stations, Military Enlistment Processing Stations (MEPS), and recruiting substations throughout the United States and some overseas locations.

b. Requirements/Prerequisites

(1) Must meet the prerequisites prescribed in MCO 1326.6.

(2) At the staff sergeant to sergeant level, complete Recruiters' School.

(3) Once voided, category "B" MOSs may not be reassigned without prior approval from the CMC (MM).

c. Duties

(1) MGySgt to Cpl:

(a) Maintains reports required for systematic recruiting.

(b) Canvasses the population for prospective applicants.

(c) Establishes liaison with educational authorities and other civilian agencies.

(d) Explains the Marine Corps to prospective applicants to include opportunities, regulations, enlistment programs, and assignment locations.

(e) Screens each applicant to determine eligibility relative to physical defects, moral character, criminal involvement, age, drug abuse, satisfactory prior service, citizenship, education, and dependency per MCO P1100.72, Military Procurement Manual, Volume 2, Enlisted Procurement.

(f) Schedules working applicants to take the Armed Services Vocational Aptitude Battery test at the MEPS.

(g) Arranges for physical examinations of mentally qualified applicants at the MEPS.

(h) Coordinates with MEPS personnel in assisting applicants to complete Application for Enlistment (DD Form 1966).

(i) Prepares all other required enlistment documents.

(j) Arranges for publication and broadcasting of recruiting programs and provides publicity material about the Marine Corps.

(k) Explains to qualified applicants the appropriate items to take to recruit training.

(l) Instructs applicants in finalizing their enlistment process in the following areas: taking the Oath of Enlistment and signing the Record of Emergency Data (DD Form 93) and the Enlistment Contract.

d. Related DOT Classification/DOT Code

(1) Personnel Recruiter 166.267-010.

(2) Recruiter 166.267-026.

e. Related Military Skill. Career Recruiter, 8412.

10. MOS 8412, Career Recruiter (MGySgt to GySgt)

a. Summary. Career recruiters are superior recruiters who will serve to establish a cadre of professional recruiters with long-term assignments in key managerial billets to improve the management and effectiveness of the recruiting effort. These billets include noncommissioned officer in charge, instructor,

operations chief, contact team member, and liaison billets. It is possible for selected recruiters to spend most of their career in the recruiting service. However, there are provisions for non-recruiting or "B" billet tours as specified in MCO 1100.76. Gunnery sergeants serving as career recruiters may be considered for promotion to master sergeant and first sergeant. Career recruiters can anticipate a minimum 3-year tour in assigned key recruiting billets and should anticipate transfer to another key billet upon the completion of a 3-year tour. Assignment of career recruiters is determined by the needs of the recruiting service and the personal desires of the individual concerned.

b. Requirements/Prerequisites

(1) Must meet the prerequisites prescribed in MCO 1100.76.

(2) Voluntary voidance: May be returned to primary, original MOS or an MOS for which qualified.

(3) Involuntary voidance: If approved, recruiters are subject to administrative action normally taken in any involuntary relief or voidance, per reference MCO 1100.76.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.43, Recruiting Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Personnel Recruiter 166.267-010.

(2) Recruiter 166.267-026.

e. Related Military Skill. Recruiter, 8411.

11. MOS 8421, Career Retention Specialist (MGySgt to Sgt)

a. Summary. The career retention specialist must be thoroughly familiar with the reenlistment process from prospecting to reenlistment ceremonies. They work within Marine Corps units, however, primarily operate independently. Typical functions of a career retention specialist include preliminary screening and administrative processing, scheduling, and conducting interviews, completion of reenlistment/lateral move/extension documents, and maintaining accurate records. They also provide Marine Corps units with basic individual career counseling, unit transition counseling, and fundamental Man Power PME and briefings. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Must meet the prerequisites prescribed in MCO P1040.31.

(3) At the gunnery sergeant to sergeant level, complete Career Retention Specialist School.

c. Duties

(1) Coordinates with the Commanding Officer and Sergeant Major a plan to meet retention goals.

(2) Maintains reports required for systematic retention.

(3) Canvasses unit population to achieve maximum contact.

(4) Counsels Marines concerning reenlistment options and incentives.

(5) Prepares and maintains career planning requests and records.

(6) Screens each Marine to determine eligibility relative to reenlistment criteria prescribed in MCO P1040.31.

(7) Coordinates required tests, interviews, and physicals for lateral move candidates.

(8) Prepares all other required reenlistment documents.

(9) Coordinates all reenlistment ceremonies.

(10) Coordinates with the Commanding Officer and Sergeant Major to conduct various Man Power briefs, to include: retention, First Term Alignment Plan (FTAP), assignments, promotions, separations and retirements, BCNR requests and process, and PERB actions.

(11) Conducts Unit Transition Counselor (UTC) responsibilities to include reserve contracts, PSEP/continuous reenlistments, and SBP.

(12) Conducts basic career counseling to interested Marines. Necessary skills include current MBS and fitness report interpretations.

(13) Advises Marines on Marine Corps education opportunities.

d. Related DOT Classification/DOT Code

(1) Career Guidance Technician 249.367-014.

(2) Recruiter 166.267-026.

e. Related Military Skill

(1) Administrative Clerk, 0151.

(2) Recruiter, 8411.

12. MOS 8431, Psychological Operations Noncommissioned Officer (GySgt to Cpl)

a. Summary. Psychological operations noncommissioned officers perform various duties incident to planning psychological operations; preparing, producing, distributing and disseminating psychological operations material; and conducting psychological operations on the unit level.

b. Requirements/Prerequisites. Minimum of 6 months OJT in a psychological operations staff element and be recommended by the commanding officer.

c. Duties

(1) GySgt to Cpl:

(a) Plans and conducts psychological operations on the operating unit level.

(b) As a member of a psychological operations unit or staff element, plans, develops, produces, distributes, and disseminates propaganda materials.

(c) Supervises psychological operations conducted by subordinate and attached units.

(d) Maintains records, administers a psychological operations unit or staff element, and prepares reports.

(e) Applies doctrine and techniques for psychological operations.

d. Related Military Skill. No civilian equivalent.

13. MOS 8511, Drill Instructor (SgtMaj/MGySgt to Sgt)

a. Summary. Drill instructors supervise and instruct or assist in commanding and instructing a recruit platoon.

b. Requirements/Prerequisites

(1) Must meet the prerequisites prescribed in MCO 1100.76.

(2) Gunnery sergeants holding category "B" MOSs and serving in the category "B" billets, who are promoted to first sergeants, may retain the category "B" MOS until completion of their current assignment. Upon completion of that assignment, they will retain only the 9999 MOS.

(3) At the master sergeant to sergeant level, complete Drill Instructor School.

(4) Once voided, category "B" MOSs may not be reassigned without prior approval from the CMC (MM).

c. Duties

(1) SgtMaj/MGySgt to Sgt:

(a) Conducts recruit training for newly enlisted personnel following the recruit training schedules and orders.

(b) Instructs and assists in training basic combat tasks to recruits.

(c) Trains recruits in the fundamentals of service life and the development in the recruit of discipline, physical fitness, pride, and love of the Marine Corps and country.

(d) Trains recruits in close order drill.

(e) Instructs in nomenclature, disassembly, assembly, and functioning of small arms and assists in marksmanship instruction.

(f) Instructs in general orders for sentinels, interior guard duty, personal hygiene, first aid, military bearing and neatness, and care of clothing and equipment.

(g) Lectures on Marine Corps history and tradition, customs of the service, military courtesy, and U.S. Navy Regulations.

(h) Assists in conduct of parades, reviews, and bayonet drill.

(i) Maintains records and prepares reports.

d. Related DOT Classification/DOT Code. Recruit Instructor 378.227-014.

e. Related Military Skill. Marksmanship Instructor, 8531.

14. MOS 8513, Marine Combat Instructor (GySgt to Cpl)

a. Summary. The Marine combat instructor instructs and assists in the training of basic combat skills to entry level Marines to include: weapons handling, automatic weapons, munitions, combat conditioning, land navigation, communications, NBC protection, offensive/defensive tactics and scouting/patrolling. The Marine combat instructor reinforces core values instilled in recruit training by setting the superior example with professional conduct, knowledge, bearing and attitude, provides student performance counseling, assists in the conduct of parades and ceremonies, and maintains records and prepares reports.

b. Requirements/Prerequisites

(1) Must meet the prerequisites prescribed in MCO 1510.XX.

(2) Must meet the standards screening checklist of special assignments per MCO 13XX.

(3) Must meet Marine Corps height, weight, and body fat standards.

(4) Must be able to pass the Marine Corps Physical Fitness Test.

(5) Must be tan belt certified in the Marine Corps Martial Arts Program.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.XX, Individual Training Standards.

d. DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

15. MOS 8530, Marksmanship Coach (Sgt to PFC)*

a. Summary. Marksmanship coaches analyze difficulties of shooters during dry and live fire exercises in all phases of the Marine Corps Marksmanship Program during qualification and re-qualification. Additionally, they assist in the operation of firing ranges. This MOS will be assigned as a skill designator only.

b. Requirements/Prerequisites

(1) Must be qualified with the service rifle with a classification of sharpshooter or above.

(2) Complete MCI 0367A, Marine Marksman.

(3) Complete a Marksmanship Coach Course (MCC) Program of Instruction as prescribed by CG MCCDC (C 468).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.84A, Individual Training Standards.

d. Related DOT Classification/DOT Code. Marksmanship Instructor 378.227-010.

e. Related Military Skill. Marksmanship/Weapons Instructor, 8532.

16. MOS 8531, Marksmanship Instructor (MGySgt to Sgt)**

a. Summary. Marksmanship Instructors instruct in all phases of the Marine Corps Marksmanship Program on the qualification and requalification on small arms ranges. Additionally, they assist in the operation of firing ranges. This MOS will be assigned as a skill designator MOS or as a billet designator.

b. Requirements/Prerequisites

(1) Must have previously held MOS 8530.

(2) Must be qualified on the service rifle and pistol.

(3) Complete the Marksmanship Instructor Course (MIC) Program of Instruction as prescribed by CG MCCDC (C 468).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.84A, Individual Training Standards.

d. Related DOT Classification/DOT Code. Marksmanship Instructor 378.227-010.

e. Related Military Skill. Marksmanship/Weapons Instructor, 8532.

17. MOS 8532, Small Arms Weapons Instructor (MGySgt to Sgt)*

a. Summary. Small arms weapons instructor conducts all phases of the Marine Corps Marksmanship training. They develop comprehensive marksmanship training plan based on commander’s guidance. They conduct and supervise all small arms marksmanship-training evolutions in support of unit mission. This MOS will be assigned as a skill designator MOS or as a billet designator.

b. Requirements/Prerequisites

(1) Must possess MOS 8530, Marksmanship Coach.

(2) Must be Sergeant through Gunnery Sergeant.

(3) Must have met the MCCS standard for Land Navigation.

(4) Must have a minimum of six years TIS upon reporting for instruction.

(5) Must have a minimum of one year remaining to EAS upon completion of course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.84A, Individual Training Standards.

d. Related DOT Classification/DOT Code. Marksmanship Instructor 378.277-010.

e. Related Military Skill

(1) Infantry Unit Leader, 0369.

(2) Infantry Weapons Officer, 0306.

(3) Range Officer, 9925.

(4) Marksmanship Instructor, 8531.

18. MOS 8534, Equal Opportunity Advisor (EOA) (MGySgt to SSgt)*

a. Summary. Equal opportunity advisors (EOA) to the commanding general/ commander are assigned to major Marine Corps installations. EOA's primary mission is to provide instruction, assistance, and advice on all equal opportunity (EO) matters to installation and tenant commanders. Primary responsibility and duty is the command EO Advisor. EO Advisors must exercise leadership and sound judgment in the performance of their duties. EO Advisors maintain administrative control of the Discrimination and Sexual Harassment (DASH) reporting system. Act as points of contact to the installation/tenant commanders on all EO matters and maintain liaison with HQMC (MPE). Duties include, assisting commands with investigations into allegations of discrimination, to include sexual harassment, as directed by cognizant authority; advise commanders and military personnel on complaint resolution procedures both formal and informal; conduct inspections of command equal opportunity program, as directed by cognizant authority; assist in unit EO climate assessment; assist the command's EO representatives with unit EO training, cultural events or celebrations on those days set aside for recognition of contributions of various groups; and provide input into EO policies and programs for both installation and tenant commands. EO advisors will assist commanders, at all level with monitoring organization EO climate, identifying trends and areas of concern, and suggesting methods for improving command EO climate. Monitor the effectiveness of command EO training; conduct quarterly training for unit EO representatives in their areas of responsibility. Manage the command's Training Information Resource (TIR) library. Emphasize the use of the Informal Resolution System (IRS) to resolve conflicts at the lowest level. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) Must meet the prerequisites prescribed in MCO 5354.3.

(2) Demonstrate effective communication skills.

(3) Demonstrate a working knowledge of the Marine Corps standard computer Data Base and Software.

(4) Complete the DoD formal course for Equal Opportunity Advisors.

c. Duties. For a complete listing of duties and tasks, refer to MCO 5354.3, Equal Opportunity Advisor.

d. Related DOT Classification/DOT Code. Counselor 045.107-010.

e. Related Military Skill. None.

19. MOS 8538, Substance Abuse Counselor (MGySgt to Sgt)

a. Summary. Substance abuse counselors perform duties in command substance abuse counseling centers or at Navy substance abuse treatment facilities (Alcohol Rehabilitation Department (ARD), or Alcohol Rehabilitation Center).

b. Requirements/Prerequisites

(1) Express a desire and willingness to perform required duties and tasks.

(2) Must be a high school graduate or GED equivalent with the ability to participate in college-level substance abuse courses. Possess required GT. The individual must possess above average verbal skills and demonstrated maturity.

(3) No indication of psychosis, neurosis, and character/behavioral disorder as determined by a Navy psychiatrist or Navy psychologist.

(4) Interviewed and recommended by a Substance Abuse Counselor (MOS8538) or a graduate of an approved military counselor training course.

(5) Recommendation of individual's commanding officer.

(6) Complete an approved military counselor-training course followed by a minimum of 1-year experience in duties as a substance abuse counselor.

(7) This MOS will be assigned and voided only by the authority of the CMC (MM).

c. Duties

(1) MGySgt to Sgt:

(a) Conducts and supervises all phases of substance abuse counseling programs at major commands or assists in conducting and supervising treatment at an ARC/ARD.

(b) Conducts or assists in conducting individual and group counseling sessions.

(c) Plans, organizes, and presents substance abuse education and training programs.

(d) Assists in the identification of substance abusers and intake evaluation for treatment of a substance dependent individual.

(e) Screens identified substance abusers to determine if individuals should be returned to duty, assigned to local command substance abuse education program, or assigned to a formal treatment program.

(f) Supervises and trains prospective substance abuse counselors and other Marines assigned to substance abuse billets.

d. Related DOT Classification/DOT Code. Human Relations or Drug and Alcohol Counselor 195.267-014.

e. Related Military Skill

(1) Education Assistant, 8231.

(2) Correctional Counselor, 5832.

20. MOS 8541, Scout Sniper (GySgt to LCpl)

a. Summary. The scout sniper is a Marine skilled in field craft and marksmanship who delivers long range, precision fire on selected targets from concealed positions in support of combat operations. They have a secondary mission of gathering information for intelligence purposes. They participate in activities designed to deny the enemy freedom of movement by targeting enemy leaders, crew-served weapons operators, radiomen, observers, messengers, and other key personnel with precision fire. Scout snipers engage vital material targets such as command and control equipment, light armored vehicles, air defense radar, and missile launchers that require precision rifle fire to neutralize. Scout snipers also conduct close reconnaissance and surveillance operations for the infantry battalion in support of the intelligence section.

b. Requirements/Prerequisites

(1) Must have a minimum GT Score of 100 or higher.

(2) Must be currently qualified as an expert rifleman.

(3) Possess all the essential qualifications and capabilities of an infantry Marine.

(4) Must have vision correctable to 20/20 in both eyes. Color blindness is discouraged.

(5) Must have a current First Class PFT.

(6) Have no history of mental illness.

(7) Must be eligible to receive a secret security classification.

(8) Successful completion of an approved Scout Sniper Basic Course at Quantico, or at the 1st, 2nd, or 3rd Marine Division.

c. Duties

(1) Supports combat operations by delivering long range precision fire on select targets, utilizing the M16A2 service rifle, M40A3 sniper rifle, M82A3 special application scoped rifle, and the M9 service pistol.

(2) Uses map, compass, satellite imagery and global positioning system (GPS) for day or night land navigation.

(3) Communicates using proper communication procedures with VHF, HF, UHF, and SATCOM radio equipment.

(4) Operates and maintains all advanced optical equipment and night vision devices employed by the scout sniper team.

(5) Directs supporting arms in support of combat operations.

(6) Uses advanced camouflage and concealment techniques, and establishes sniper/observation positions and hide sites, in order to gain and maintain contact with the enemy, conduct surveillance in support of combat operations, and detect, identify, select, and reduce key targets.

(7) Operates foreign small arms weapons and proficiently identifies foreign weapons and vehicles.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill

(1) Rifleman, 0311.

(2) Reconnaissance Marine, 0321.

21. MOS 8551, Martial Arts Instructor (MGySgt to Cpl)

a. Summary. Martial arts instructors conduct training in principles of close combat and core values.

b. Requirements/Prerequisites

(1) Must be a corporal or above.

(2) Must qualify first class on the PFT.

(3) Must be certified as gray belt or above.

(4) No surgeries/broken bones in the past 6 months.

(5) Must complete the appropriate level PME for the grade.

(6) Must have recommendation of reporting senior.

(7) Successful completion of the CG TRNGCOM approved Martial Arts Instructor Course.

c. Duties

(1) Trains and certifies personnel in MBST for martial arts from tan through gray belt techniques.

(2) Assists martial arts instructor trainers in certifying and recertifying Martial Arts Instructors.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Martial Arts Instructor-Trainer, 8552.

22. MOS 8552, Martial Arts Instructor-Trainer (MGySgt to Sgt)

a. Summary. Martial Arts instructor-trainers train and certify martial arts instructors. Additionally, they provide instruction to all personnel in hand-held weapons, unarmed against hand-held weapons, weapons of opportunity, ground fighting, firearm disarmament, and principles of core values.

b. Requirements/Prerequisites

(1) Must be sergeant or above.

(2) Must qualify first class on the PFT.

(3) Must have a minimum of six months as a certified Martial Arts Instructor (MOS 8551) prior to attendance to the Martial Arts Instructor Training Course at The Basic School.

(4) Must be certified as a green belt or above in the MCMAP.

(5) No surgeries/broken bones in past 6 months.

(6) Must have completed the appropriate level PME for the grade.

(7) Must have recommendation of reporting senior.

(8) Successful completion of the Martial Arts Instructor-Trainer Course at TBS Quantico, VA.

c. Duties

(1) Trains personnel in martial arts techniques from tan through 1st degree black belt and certifies through brown belt levels.

(2) Trains, certifies, and recertifies martial arts instructors under the CG, TRNGCOM approved Martial Arts Instructor Program of Instruction for Martial Arts Instructors.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Martial Arts Instructor, 8551.

23. MOS 8563, Water Safety/Survival Instructor (MGySgt to Pvt)

a. Summary. Water Safety/Survival Instructors supervise and conduct water safety and survival programs and instruct personnel in the techniques and methodology of water safety and survival.

b. Requirements/Prerequisites

(1) Complete a Marine Corps or other approved water safety/survival instructor course.

(2) Demonstrates current proficiency in the MOS.

c. Duties

(1) Plans, conducts, and supervises training and testing in water safety and survival.

(2) Conducts or assists in conducting water safety and survival courses.

d. Related DOT Classification/DOT Code. Instructor, Sports 153.227-018.

e. Related Military Skill. SCUBA Marine, 9952.

24. MOS 8611, Interpreter (Designated Language) (MGySgt to Pvt)

a. Summary. Interpreters supervise and participate in language interpretation activities that pertain primarily to nonintelligence functions.

b. Requirements/Prerequisites. Current DLPT score of R2/L2 (subject to the eligibility criteria in the most current MARADMIN).

c. Duties

(1) Conducts bidirectional consecutive interpretation, target language to English and English to target language using phraseology selected to preserve the original intent, meaning, and emphasis.

(2) Phrases ideas to avoid language that is stilted, unnatural, and difficult to understand.

(3) Displays an impartial attitude toward each speaker and to facts and opinions expressed.

(4) Interprets into either English or foreign language, statements made by participants in conferences, working parties, legal proceedings, and similar activities.

(5) Interviews friendly non-English speaking civilians such as police, clergymen, and other citizens to obtain information of military value.

(6) Writes reports, including opinion as to the credibility of the person interviewed, for use by unit commander and for dissemination to lower, adjacent, and higher headquarters.

(7) Translates into either English or foreign language written material of a nontechnical nature.

(8) Establishes a file of language reference materials, English and foreign language dictionaries, and glossaries of military terms.

(9) Under supervision of an interrogator/translator, may assist in interrogation of enemy personnel and translation of routine nontechnical correspondence and documents.

(10) Provide interpreter support to the Civil Affairs Officer.

d. Related DOT Classification/DOT Code

(1) Interpreter 137.267-010.

(2) Translator 137.267-018.

e. Related Military Skill. Interrogation-Translation Specialist, 0251.

25. MOS 8621, Surveillance Sensor Operator (MSgt to Pvt)

a. Summary. Surveillance sensor operators inspect, install, operate, and perform operator maintenance on surveillance equipment prior to and after employment.

b. Requirements/Prerequisites

(1) Must complete the Remote Sensor Operator Course located at the NMITC Dam Neck, VA or have completed a sufficient period of MOJT to qualify as a surveillance sensor operator.

(2) Must possess a secret security clearance.

c. Duties

(1) Prepares various types of remote sensor surveillance devices for air and hand emplacement methods in areas previously determined.

(2) Monitors and interprets sensor devices by reading out audio and visual transmissions.

(3) Plots sensor string locations on maps and overlays.

(4) Makes recommendations to and assists the intelligence officer in selecting areas, routes, and specific sites to be employed.

(5) Provides timely, and accurate data concerning enemy location, direction, speed of movement, and strength.

(6) Recommends appropriate action and reaction to be taken and calls fire missions on valid targets acquired.

(7) Assists in testing and evaluating new sensor surveillance equipment and ancillary devices.

(8) Provides surveillance equipment instruction.

d. Related DOT Classification/DOT Code. Unattended Ground Sensor Specialist.

e. Related Military Skill

(1) Ground Radio Repairer, 2841.

(2) Radio Technician, 2861.

(3) Aviation Radio Repairer, 5937.

26. MOS 8641, Microminiature Repairer (MGySgt to LCpl)*

a. Summary. The circuit card repairer MOS identifies electronics maintenance personnel who have received training in the highly specialized area of circuit card repair. Circuit card repairers are trained in the use of automated test equipment to troubleshoot inoperative circuit cards down to the defective component. They are also trained in the specialized techniques required to remove and replace microminiature components such as surface mounted, highly static sensitive and multilead devices. This MOS may be assigned as a skill designator MOS only.

b. Requirements/Prerequisites

(1) EL score of 110 or higher.

(2) Must possess one of the following primary MOSs: 21XX, 28XX, 59XX.

c. Duties

(1) Utilizes the microminiature component repair station, the appropriate electronic maintenance kit and automated test equipment.

(2) Performs analysis of the repair tasks required and procedures necessary to accomplish repairs.

(3) Removes conformal coating and potting compounds.

(4) Desolders and removes components in microminiature circuits.

(5) Repairs microminiature and multilayer circuit board laminates and conductors (less subsurface repair).

(6) Makes high-reliability microelectronic solder connections.

(7) Repairs microminiature solderable connectors.

(8) Disassembles, repairs, cleans, and reassembles digital encoders.

(9) Repairs plastic edge lighted panels and their conductors.

(10) Performs electroplating of electronic circuits including edge connectors.

(11) Performs preventive and corrective maintenance on the appropriate maintenance kit.

(12) Inspects microelectronic repairs and identifies defects in workmanship.

(13) Observes all appropriate safety precautions.

(14) Supervises personnel of lower grades in the performance of microminiature circuit repair.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

27. MOS 8652, Reconnaissance Man, Parachute Qualified (SgtMaj/MGySgt to Pvt)

a. Summary. Reconnaissance man, parachute qualified, participates in reconnaissance activities to gain information on the enemy and terrain. When appropriate, utilizes parachute as a means of entry in the execution of reconnaissance missions.

b. Requirements/Prerequisites. Qualified as a Reconnaissance Man, MOS 0321, and Parachutist, MOS 9962.

c. Duties. SgtMaj/MGySgt to Pvt: Executes parachute entry into the objective area.

d. Related DOT Classification/DOT Code. Reconnaissance Crewmember 378.367-030.

e. Related Military Skill. Reconnaissance Man, Combatant Diver Qualified, 8653.

28. MOS 8653, Reconnaissance Man, Combatant Diver Qualified (SgtMaj/MGySgt to Pvt)

a. Summary. Reconnaissance man, combatant diver qualified, participates in reconnaissance activities to gain information of the enemy and terrain. Utilize combatant diving, when appropriate, in the execution of reconnaissance missions.

b. Requirements/Prerequisites. Qualified as a reconnaissance man, MOS 0321, and Combatant Diver Marine, MOS 9952.

c. Duties. SgtMaj/MGySgt to Pvt: Executes undetected submerged approaches to, and withdrawal from, enemy held coastal areas by use of combatant diving.

d. Related DOT Classification/DOT Code. Reconnaissance Crewmember 378.367-030.

e. Related Military Skill. Combatant Diver Marine, 8653.

29. MOS 8654, Reconnaissance Man, Parachute and Combatant Diver Qualified (SgtMaj/MGySgt to Pvt)

a. Summary. Reconnaissance man, parachute and combatant diver qualified, participates in reconnaissance activities to gain information about the enemy and terrain, employ parachute insertion as the means of entry or when appropriate, combatant diver to insert/extract.

b. Requirements/Prerequisites. Qualified Reconnaissance Man, Parachutist Qualified, MOS 8652, and Reconnaissance Man, Combatant Diver Qualified, MOS 8653.

c. Duties. SgtMaj/MGySgt to Pvt: Employs combatant diving or parachuting, when appropriate, in the execution of reconnaissance missions.

d. Related DOT Classification/DOT Code. Reconnaissance Crewmember 378.367-030.

e. Related Military Skill

(1) Reconnaissance Man, Parachute Jump Qualified, 8652.

(2) Reconnaissance Man, Combatant Diver Qualified, 8653.

30. MOS 8711, Ground Operations Specialist (MGySgt to Cpl)

a. Summary. Ground operations specialists perform duties in an infantry operations and training section.

b. Requirements/Prerequisites. Complete the Combat Operations Specialist Course, Expeditionary Warfare Training Group, Pacific or Atlantic.

c. Duties

(1) Assists in the establishment and maintenance of the operation section's installation in the field.

(2) Prepares operation maps and maintains situation maps indicating location, strength, tactical deployment, and emplacements of friendly units.

(3) Receives and records on situation maps pertinent information obtained from intelligence and reconnaissance reports using conventional signs and symbols.

(4) Maintains an operations journal that contains briefs of important written and oral messages received and sent, and notations of periodic reports, orders, and similar matters that pertain to the section or unit.

(5) Maintains an operations journal file.

(6) Assists in allocating training areas and coordinating training activities.

(7) Assists in preparing war diaries and special reports upon completion of an operation.

(8) Supervises the performance of, or performs, typing, clerical, and drafting duties incident to the preparation, reproduction, and distribution of operations orders, training orders, memorandums, schedules, status reports, and S-3 periodic reports.

d. Related DOT Classification/DOT Code

(1) Intelligence Clerk 249.387-014.

(2) Infantry Operations Specialist 378.367-022.

e. Related Military Skill. Administrative Clerk, 0151.

31. MOS 8811, Firefighter (GySgt to Pvt)

a. Summary. The firefighter performs various duties incident to firefighting and fire prevention. Participates as member of a crew in controlling and extinguishing fires.

b. Requirements/Prerequisites. Complete appropriate firefighting/fire prevention course and obtain certification as a firefighter I/Fire Inspector I from a DoD Fire and Emergency Services Certification Program or other approved fire training agency.

c. Duties

(1) GySgt to Pvt:

(a) Performs firefighting/fire prevention duties as assigned.

(b) Performs daily checks and routine maintenance on fire apparatus as required and or assigned.

(c) Uses fire reporting procedures detailed in OPNAVINST.

(d) Files and logs correspondence, records, and reports.

(e) Operates firefighting equipment such as pumps, hoses, extinguishers, ladders, self-contained breathing apparatus, and hose reels.

(f) Employs proper type hoses, extinguishers, forcible entry tools, and other firefighting equipment; and performs rescue and salvage work.

(g) Fills fire extinguishers with appropriate agent when required.

(2) GySgt and SSgt:

(a) Updates status boards and charts.

(b) Prepares fire reports (OPNAVINST 11320.25) and reports of inspections.

(c) Examines electrical wiring and heating units for faulty insulations, and fuel leakage of improper installation.

(d) Recommends changes or modifications to existing conditions to reduce fire hazards.

(3) GySgt:

(a) Conducts investigations and prepares written reports on causes of fires, property destroyed, or damaged and corrective measures required to prevent future occurrence of similar fires.

(b) Inspects barracks, buildings, and adjacent areas on military installation for fire hazards; and advises corrective measures for improperly stored flammable materials, blocked exits or aisles, and accumulation of combustible waste.

(c) Prepares official correspondence.

(d) Determines and recommends when fire investigations are required MCO P11000.11.

(e) Establishes and supervises a two-platoon firefighting department and fire prevention branch.

(f) Takes total responsibility for fire suppression and prevention at the installation.

(g) Performs as the chief fire officer.

d. Related DOT Classification/DOT Code

(1) Firefighter 373.364-010.

(2) Fire Inspector 373.367-010.

e. Related Military Skill. Aircraft Firefighting and Rescue Specialist, 7051.

32. MOS 8911, Barracks and Grounds Marine (GySgt to Pvt)**

a. Summary. Barracks and grounds Marines supervise the policing and minor maintenance of barracks and grounds; supervise or assist in the supervision of, training, routine administration, and employment of units.

b. Requirements/Prerequisites

(1) Not to be assigned to personnel either as a primary or additional MOS.

(2) To be used only as a billet designator in T/O's.

c. Duties

(1) Supervises working parties in maintaining barracks, buildings, and grounds in a clean, sanitary, and orderly condition.

(2) Makes periodic inspections of plumbing, electrical equipment, and other building components and arranges for required repairs.

(3) Maintains a stock of tools, equipment, and housekeeping gear to supply working parties.

(4) Services buildings and materials such as light bulbs and towels.

(5) Makes bunk assignments and issues lockers and bedding.

(6) Performs preventive maintenance and makes minor repairs to tools and equipment.

(7) Requisitions supplies and equipment.

(8) Accompanies inspecting officer on tours of inspection and prepares reports pertaining to unsanitary or faulty conditions.

(9) Assists in the supervision of a unit engaged in enforcing military regulations and guarding lives and property at a military installation.

(10) Inspects and determines condition of unit weapons and equipment.

(11) Initiates action to correct deficiencies.

(12) Supervises preparation of unit correspondence, reports, schedules, and rosters.

(13) Organizes and supervises the necessary housekeeping functions within the organization.

(14) Conducts or supervises subordinates conducting training in military subjects.

d. Related DOT Classification/DOT Code. No civilian equivalent.

33. MOS 8915, Food Service Attendant (LCpl to Pvt)**

a. Summary. Food service attendants perform routine duties in an appropriated fund dining facility.

b. Requirements/Prerequisites

(1) Not to be assigned to personnel either as a primary or additional MOS.

(2) To be used only as a billet designator in T/O's.

c. Duties

(1) Performs routine duties incident to keeping the dining facility and food service equipment in a good sanitary condition.

(2) Assists in the preparation of food prior to cooking, assists in serving food, and assists in storage of subsistence items.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Cook, Specialist, 3372.

34. MOS 8921, Athletic and Recreation Assistant (MGySgt to Pvt)

a. Summary. Athletic and recreation assistants conduct, or assist in conducting, athletic and recreation programs.

b. Requirements/Prerequisites. None.

c. Duties

(1) Plans, organizes, and conducts athletics and recreational activities such as indoor and outdoor games and entertainments.

(2) Performs a variety of duties involved in athletic and recreational activities such as instructing in the rules and playing techniques of various games, officiating in competitive sports, acting as lifeguard or beach custodian, operating small boats for transporting personnel and supplies for recreational purposes, operating recreation halls, motion picture theaters, stables, libraries, gymnasiums, hobby shops, or other athletic and recreation facilities, and arranging transportation and billeting for visiting contestants and officials.

(3) Prepares, or supervises preparation of, reports and correspondence pertaining to athletic and recreation activities.

(4) Maintains the unit's athletic and recreation files and records.

(5) Requisitions, stores, issues, performs preventive maintenance, and makes minor repairs to athletic and recreation supplies and equipment.

(6) Conducts athletic and recreation publicity programs.

(7) Assists in preparation and publication of a unit newspaper.

d. Related DOT Classification/DOT Code

(1) Recreation Leader 195.227-014.

(2) Recreation Supervisor 187.137-010.

35. MOS 9051, Graves Registration Specialist (MGySgt to LCpl)*

a. Summary. Graves registration specialists perform duties incident to the handling of deceased personnel in both joint and single service theaters of operations. This MOS will be assigned as a skill designator MOS only.

b. Requirements/Prerequisites. Complete the formal courses of instruction at the U.S. Army Mortuary Affairs Center, Ft Lee, VA.

c. Duties

(1) Organizes teams for conducting tactical search and recovery operations of deceased military personnel.

(2) Conducts search and recovery operations of deceased military personnel in both hostile and benign environments.

(3) Recovers personal effects and records personal information using appropriate manuals and SOPs.

(4) Conducts temporary internment/disinternment of deceased personnel to include NBC contaminated remains.

(5) Conducts temporary burials (in emergency cases only), marking gravesites and recording burial locations using map overlays.

(6) Coordinates administrative actions with the appropriate unit personnel section.

(7) Coordinates search and recovery actions with the appropriate unit operations section.

(8) Coordinates multiple recovery team activities and logistics support thereof.

(9) Coordinates activities within MAGTF and/or within joint operations.

(10) Conducts OJT for unit personnel (not MOS 9051 qualified) tasked with search and recovery operations.

(11) Requisitions and maintains appropriate search and recovery team T/E items.

(12) Establishes and operates casualty collection points.

(13) Coordinate the transfer of remains and personnel effects of deceased U.S. service members, allied and enemy personnel operating in area of operations.

(14) Supervise theater evacuation point operations.

(15) Determine the theater effects depot requirements.

d. Related DOT Classification/DOT Code. Graves Registration Specialist 355.687-014.

3145. **OCCUPATIONAL FIELD 9700 THRU 9999, IDENTIFYING AND REPORTING MOSs**

MOS	TITLE
9811	Member, "The President's Own," United States Marine Band
9812	Member, “The President’s Own,” U.S. Marine Drum and Bugle Corps
9900	General Service Marine
9915	Special Assignment - Enlisted
9916	Billet Designator - Enlisted
9917	College Degree - Enlisted
9928	MECEP Participant
9935	Special Technical Operations
9936	Substance Abuse Control Specialist
9952	Combatant Diver Marine
9953	Parachutist/Combatant Diver Marine
9954	Hazardous Material/Hazardous Waste Specialist
9956	Ground Safety Specialist
9960	Acquisition Specialist
9962	Parachutist
9971	Basic Marine With Enlistment Guarantee
9972	Aircrew Trainee
9973	Fixed-Wing Transport Aircraft Specialist, KC-130J
9974	Vertical Takeoff Unmanned Aerial Vehicle Specialist, VTUAV
9976	Helicopter Specialist, AH-1Z/UH-1Y
9986	Joint Terminal Attack Controller
9991	Sergeant Major of the Marine Corps
9999	Sergeant Major/First Sergeant

1. MOS 9811, Member, The President's Own, United States Marine Band (MGySgt to SSgt)

a. Summary. MOS 9811 is assigned to musicians who are enlisted "for duty with the United States Marine Band only." They are appointed to the grade of staff sergeant upon their initial 4-year enlistment. These enlistees report directly to the Marine Band, Marine Barracks, Washington, DC for duty. They are permanently assigned to the Band and perform musical duties as an instrumentalist or music related technical duties as a member of the support staff. The Director, U.S. Marine Band, recommends MOS 9811 promotions to CMC (MM) to fill T/O vacancies.

b. Requirements/Prerequisites

(1) Auditioned/Technically evaluated and interviewed, and found musically or otherwise technically qualified by the Director, U.S. Marine Band. No specific level of education is required, but the performing ability and expertise required are that which can be expected for acceptance into world renowned symphony orchestras. The ability to fluently sight-read music is an absolute necessity.

(2) Capable of being assigned a top-secret clearance with Category II White House access.

(3) Able to adjust to the demands of a military-oriented life-style.

(4) Presents a neat appearance with weight in proportion to height.

c. Duties

(1) Instrumentalist. Performs as a musician with the band, the orchestra, a section, or as a soloist in concerts, ceremonies, or other official functions.

(2) Support Staff: Performs in the specific area of technical expertise to which assigned (operations, library, public affairs, recording, arranging, copying, instrument repair or stage management).

d. Requirements/Prerequisites. Musician, Instrumental.

e. Related Military Skill. Musician, 5523-5565.

2. MOS 9812, Member, "The Commandant's Own," U.S. Marine Drum & Bugle Corps (MGySgt to Pvt)

a. Summary. Drum and Bugle Corps (D&B) members perform music or music-related duties in support of military ceremonies, official functions, community relations, Marine Corps recruiting, and Marine "esprit de corps." A secondary mission of the unit is to augment barracks security in contingency operations in the event of an emergency or combat environment. After completion of recruit training and Marine Combat Training (MCT), Marines report directly to the Commanding Officer, Marine Barracks, Washington, DC for duty with "The Commandant's Own," U.S. Marine Drum and Bugle Corps.

b. Requirements/Prerequisites

(1) Must be auditioned, interviewed and found musically or otherwise technically qualified by the Commanding Officer, U.S. Marine Drum and Bugle Corps. No additional education is required beyond that specified in existing Marine Corps enlistment requirements.

(2) Musicians must possess instrumental proficiency, on a level commensurate with the finest bands and drum and bugle corps in the country to include sight-reading and short-term music preparation. Must meet and maintain instrumental proficiency level on 4.0 scale.

(a) MSgt to GySgt - 3.2 (Grade V Music)

(b) SSgt - 3.1 (Grade V Music)

(c) Sgt - 2.85 (Grade IV Music)

(d) Cpl to Pvt - 2.85 (Grade IV Music)

(3) Capable of being assigned a secret clearance with Category III White House access.

c. Duties

(1) MGySgt: Enlisted Director - Serves as senior enlisted Marine and principal enlisted director of the Drum & Bugle Corps. Evaluates technical proficiency of musicians, and implements musical protocol. Must possess complete mastery of all ceremonial functions from concert conductor to ceremonial mace work as drum major. The enlisted director must possess a working knowledge of all personnel, general and operational administrative procedures in order to direct and supervise the administrative functions of the D&B.

(2) MSgt:

(a) The drum major leads the D&B in concerts, parades and other official ceremonies. Instruct D&B personnel in drill manual and maneuver. The drum major possesses a working knowledge of personnel, general and operational administrative procedures in order to direct and supervise the administrative functions of the D&B.

(b) Principal Instructor perform duties within the brass or percussion section. Possess the requisite technical ability to arrange music for and conducted small ensembles in rehearsal and performance. Possess the instructional expertise to interpret, analyze, and transcribe music scores. The principal instructor ensures the highest level of instrumental technique, musical interpretation, and performance readiness.

(3) GySgt - Pvt: Performs a musical instrument in concerts, parades and other official ceremonies. In the grades of Gunnery Sergeant and Staff Sergeant, these musicians may be assigned as a section leader to supervise and train Marines within each section. Members may also be assigned additional administrative duties as support staff.

d. Related DOT Classification/DOT Code. Musician, Instrumental 152.041-010.

e. Related Military Skill. Member, U.S. Marine Band, 9811.

3. MOS 9900, General Service Marine (MGySgt to Pvt)

a. Summary. This MOS describes the duties of every enlisted Marine, regardless of assigned MOS. Duties are those general military and battle skills required of all Marines, commensurate with their grade. It also designates those Marines whose military qualifications and experience are not yet developed to be sufficient or adequate for qualification in other MOSs.

b. Requirements/Prerequisites. This MOS will be assigned to personnel undergoing recruit training who have not enlisted by a special enlistment program, or to those whose cases have been referred to the CMC (MM).

c. Duties. As assigned.

d. Related DOT Classification/DOT Code. No civilian equivalent.

4. MOS 9915, Special Assignment - Enlisted (MGySgt to Pvt)

a. Summary. Regularly performs duties of a highly specialized nature that are not covered by other MOSs.

b. Requirements/Prerequisites

(1) Requests to assign this MOS to a billet or an individual will be submitted to the CMC (MM) and will contain a detailed description of the duties of the billet, and the special skills and knowledge required to perform such duties.

(2) Assignment to an individual will be only for the period the special duties are actually performed.

c. Duties. As assigned.

d. Related DOT Classification/DOT Code. No civilian equivalent.

5. MOS 9916, Billet Designator - Enlisted (MGySgt to Pvt)

a. Summary. This MOS will be used in T/O's to designate a billet to which any enlisted Marine may be assigned but will not be assigned to an individual.

b. Requirements/Prerequisites. None.

c. Duties. As assigned.

d. Related DOT Classification/DOT Code. No civilian equivalent.

6. MOS 9917, College Degree-Enlisted (MGySgt to Pvt)

a. Summary. Performs duties of the assigned enlisted college level education billet. Primary billets are as Academic Chiefs at the Instructional Management Schools (IMS) and other large formal schools.

b. Requirements/Prerequisites. This MOS will be assigned as an additional MOS only to those Marines who have acquired a college degree (associate degree or higher).

c. Duties

(1) Assist Director in assigning and supervising course teams in formal schools.

(2) Develop and implement Staff Certification Training Plan.

(3) Coordinate and conduct formal/informal observations of instructors and maintain instructor training records.

(4) Coordinate all courseware to include revision of lesson plans, course content, and instructional methodology/materials.

(5) Coordinate the conduct of Course Content Review Boards (CCRB).

(6) Serve as an instructor.

d. Related DOT Classification/DOT Code. No civilian equivalent.

7. MOS 9928, MECEP Participant (MGySgt to Pvt)

a. Summary. Marine enlisted commissioning education program participants are in an officer development program and are no longer performing duties in any specific enlisted MOSs. It will be assigned and voided only by the authority of HQMC.

b. Related DOT Classification/DOT Code. No civilian equivalent.

8. MOS 9935, Special Technical Operations (MGySgt to Pvt)

a. Summary. The special technical operations Marine perform duties as necessary/directed.

b. Requirements/Prerequisites

(1) This MOS will identify Marines who have been designated as Special Technical Operators qualified by the Organization of the Joint Chiefs of Staff (OJCS).

(2) This MOS will be assigned only as an additional MOS.

c. Duties. The duties and tasks will be as prescribed and designated by the OJCS.

d. Related DOT Classification/DOT Code. No civilian equivalent.

9. MOS 9936, Substance Abuse Control Specialist (MGySgt to SSgt)

a. Summary. Substance abuse control specialists provide substance abuse education/prevention, urinalysis screening and assistance to the commander on substance abuse related matters.

b. Requirements/Prerequisites

(1) Six months experience in a full-time or additional duty substance abuse prevention billet.

(2) Completion of the Unit Substance Abuse Program Management Course.

(3) This MOS will be assigned only as an additional MOS. Authority tissue this additional MOS will remain with the local command delegated to the unit level.

c. Duties. The duties and tasks will be as prescribed and designated in the current edition of MCO P5300.12_.

d. Related DOT Classification/DOT Code. Alcohol and Drug Abuse Assistance Program Administrator 195.167-042.

e. Related Military Skill. Substance Abuse Counselor, 8538.

10. MOS 9952, Combatant Diver Marine (SgtMaj/MGySgt to Pvt)

a. Summary. A Marine who is trained to use combatant diving equipment.

b. Requirements/Prerequisites

(1) Complete MCCDC approved Combatant Diver qualification course.

(2) Maintain physical fitness specified by COMNAVMEDCOM standards.

c. Duties. SgtMaj/MGySgt to Pvt: Employs combatant diving equipment to conduct underwater entry into the objective area to accomplish missions appropriate to billet assigned.

d. Related DOT Classification/DOT Code

(1) Combatant Diver 379.384-010.

(2) Diver 899.261-010.

11. MOS 9953, Parachutist/Combatant Diver Marine (SgtMaj/MGySgt to Pvt)

a. Summary. A Marine who has completed an MCCDC approved parachute and combatant diver qualification course.

b. Requirements/Prerequisites

(1) Complete a MCCDC approved parachute and combatant diver qualification course.

(2) Maintain physical fitness standards specified by COMNAVMEDCOM.

c. Duties

(1) Employs combatant diving equipment to conduct underwater entry/extract from an objective area.

(2) Employs the parachute as a means of entry into an objective area.

d. Related DOT Classification/DOT code

(1) Combatant Diver 379.384-010.

(2) Parachutist 159.347-018.

12. MOS 9954, Hazardous Material/Hazardous Waste (HM/HW) Staff Noncommissioned Officer/Noncommissioned Officer (MGySgt to LCpl)

a. Summary. Hazardous material/hazardous waste (HM/HW) staff noncommissioned officers/noncommissioned officers manage numerous aspects of the unit HM/HW program. The primary areas of focus are: distinguishing HM from HW; implementing Hazard Communication Training Programs; monitoring HM inventory control procedures; maximizing source reduction; and monitoring HW streams, proper storage, and prescribed disposal practices. HM/HW staff noncommissioned officers/noncommissioned officers will also supervise unit operations to ensure compliance with environmental regulations, and maintain the unit's emergency response equipment and procedures. In some cases, the HM/HW staff noncommissioned officer/noncommissioned officer will serve as the command representative for environmental issues, and develop unit level operating budget inputs.

b. Requirements/Prerequisites

(1) Successful completion of an HQMC approved formal school(s) or HQMC approved base/installation course(s) of instruction that addresses the duties specified below and provides fundamental information on the safe and proper management of HM/HW and associated facilities in accordance with applicable federal, Department of Defense (DoD), Department of Navy (DON), and Marine Corps requirements. The MOS may be assigned only as an additional MOS by the CMC (MM) upon a request from the individual or MOS sponsor.

(2) MOS 9954 qualifying courses must appropriately address the following requirements to include, but not limited to:

(3) The Resource Conservation and Recovery Act regulations 40 CFR 122, 262, 264, 265, and 279.

(4) Hazardous Material Transportation Uniform Safety Act of 1990 regulations in 49 CFR 172.704(a)(1) and 172.704(a)(3).

(5) Occupational Health and Safety Administration's (OSHA) first responder operations level emergency response training as prescribed by 29 CFR 1910 120(q)(6)(ii).

(6) OSHA Hazardous Communication Standard as specified by 29 CFR 1910.1200.

(7) At least 18 months remaining on current EAS.

(8) Must possess normal color vision.

(9) Continued validity of MOS is contingent upon the Marine Corps maintaining full compliance with all federal, state, and local refresher training requirements.

c. Duties

(1) MGySgt to GySgt:

(a) Distinguishes Hazardous Material (HM) from Hazardous Waste (HW).

(b) Supervises operation of unit level HW site.

(c) Develops/Ensures maintenance of desktop procedures and turnover folders.

(d) Supervises and validates the maintenance of unit environmental training records.

(e) Conducts and participates in applicable multimedia environmental inspections, audits, and evaluations.

(f) Supervises and maintains unit level inspection records and required follow-on corrective actions.

(g) Monitors maintenance of unit level environmental publications library.

(h) Directs the unit level Hazardous Communication Program.

(i) Develops and implements the unit level spill contingency plans(s).

(j) Tracks and consolidates unit level HW disposal costs.

(k) Identifies unit level environmental operations budget requirements.

(l) Identifies environmental training needs and associated budget requirements.

(m) Ensures HM/HW transportation requirements are in compliance with local directives.

(n) Develops and sponsors environmental standard operating procedures, letters of instruction, and operations orders for field operations at the unit level for tactical and garrison operations.

(o) Conducts unit level environmental briefings.

(p) Serves as the unit point of contact for applicable environmental issues.

(q) Promotes pollution prevention.

(2) SSgt to LCpl:

(1) Distinguishes HM from HW.

(2) Operates HW sites in accordance with applicable directives.

(4) Maintains desktop procedures and turnover folders.

(5) Maintains unit level environmental training records.

(6) Maintains unit level environmental inspection records.

(7) Maintains applicable environmental publications library.

(6) Maintains unit level Hazardous Communication Standard to include Material Safety Data Sheets and Hazardous Material Information System.

(7) Tracks unit HW disposal cost.

(8) Executes unit level spill contingency plan(s).

(9) Maintains unit level emergency response equipment.

(10) Conducts applicable multimedia environmental inspections.

(11) Maximizes unit source reduction.

13. MOS 9956, Ground Safety Specialist (GySgt to Pvt)

a. Summary. A trained Marine able to manage or assist in the operation of the Marine Corps Ground Safety Program in compliance with the Code of Federal Regulations.

b. Requirements/Prerequisites. Complete HQMC (SD) approved ground safety course or school.

c. Duties

(1) GySgt to Pvt:

(1) Assists in planning and directing the Accident Prevention Program of the command.

(2) Maintains safety directives and accident reports.

(3) Investigates accidents and conducts periodic safety inspections.

(4) Provides safety indoctrination and education for the command and obtains and maintains safety equipment and material.

(5) Advises and assists in the organization and implementation of a complete vehicle safety program for both Government and private motor vehicle operation.

(6) Monitors compliance with the Occupational Safety and Health Administration (OSHA) requirements.

(7) Conducts Operational Risk Management (ORM) assessments.

(8) Applies hazard control fundamentals and techniques.

(9) Maintains the Industrial Hygiene Program.

(10) Supervises the Hazardous Materials, Waste, and Pollution Prevention Programs.

d. Related DOT Classification/DOT Code.

(1) Safety Manager 012.167-058

(2) Safety Inspector 168.264-014

14. MOS 9960, Acquisition Specialist (MGySgt to SSgt)*

a. Summary. Acquisition specialists are members of the acquisition workforce. They assist in planning, directing, coordinating, and performing specific duties that pertain to the acquisition of equipment/weapons. This MOS will be assigned only as a skill designator MOS.

b. Requirements/Prerequisites

(1) Must have a secret security clearance.

(2) Assigned to individuals who meet some of the regulatory requirements of the Acquisition Workforce Program.

(3) Must possess two years of acquisition experience from duties performed while assigned to an officially designated acquisition billet.

(4) Completion of Level I training for the appropriate career field. Acquisition training requirements are contained in DoD 5000.52-M (Acquisition Career Development Program) with annual updates listed in the Defense Acquisition University Catalog.

(5) The Acquisition Specialist participates as an assistant to acquisition project officers, and in some situations as the actual project officer, to provide expertise in higher technical functional areas that pertain to the acquisition of equipment and weapons systems. The responsibilities may range from providing assistance in the areas of project initiation, systems development, systems engineering, test and evaluation management, integrated logistics support management, systems manpower and training requirements, life-cycle system support management.

15. MOS 9962, Parachutist (SgtMaj/MGySgt to Pvt)

a. Summary. A Marine who is trained to parachute from an aircraft.

b. Requirements/Prerequisites

(1) Complete Basic Airborne Course, U.S. Army Infantry School, Ft Benning, GA.

(2) Maintain physical fitness specified by COMNAVMEDCOM standards.

c. Duties. SgtMaj/MGySgt to Pvt: Utilizes the parachute as a means of entry into the objective area to accomplish missions appropriate to the billet assigned.

d. Related DOT Classification/DOT Code. No civilian equivalent.

16. MOS 9971, Basic Marine with Enlistment Guarantee (MGySgt to Pvt)

a. Summary. A Marine whose military qualifications and experience are not developed to be sufficient or adequate for qualification in other MOSs.

b. Requirements/Prerequisites. This MOS will be assigned to personnel enlisting under an enlistment options program or an enlistment incentive program (MCO 1130.53, MCO 1130.54, MCO 1130.55, and MCO 1130.57 apply as appropriate).

c. Duties. As assigned.

d. Related DOT Classification/DOT Code. No civilian equivalent.

17. MOS 9972, Aircrew Trainee (GySgt to Pvt)

a. Summary. Aircrew trainees, under instruction or close supervision, train for one of the aircrew MOSs.

b. Requirements/Prerequisites

(1) Complete an appropriate Enlisted Aviation Maintenance Training "A" School.

(2) Qualified in MOSs 6XXX and 73XX.

(3) Volunteer for aircrew training.

(4) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department.

(5) Complete all requirements contained in appropriate NATOPS manual or syllabi peculiar to the aircraft.

c. Duties. GySgt to Pvt: Performs routine aircrew duties under instruction and/or close supervision.

d. Related DOT Classification/DOT Code. No civilian equivalent.

18. MOS 9973, Fixed-Wing Transport Aircraft Specialist, KC-130J (MGySgt to Pvt)*

a. Summary. This is a temporary skill designator to identify the enlisted ground maintenance technician and aircrew member training during the introduction of the KC-130J. This MOS will also identify pilots and copilots for the KC-130J. Specific officer and enlisted primary MOSs will be designated after sufficient aircraft fielding increases.

b. Requirements/Prerequisites

(1) Must be qualified maintenance technicians or enlisted aircrew holding MOS 6216, 6232, 6242, 6256, 6286, 6316, 6336, 7372, or 7382.

(2) Complete the appropriate formal school at VMGRT-253 FREST, MCAS Cherry Point, NC or complete an equivalent OMA Contractors Maintenance Course for the appropriate MOS.

(3) Complete the Maintenance Training Management and Evaluation Programs (MATMEP) level II asterisk items for the appropriate MOS. The level II asterisk items are the mandatory "Training Tasks" contained in the formal school training tracks.

(4) Enlisted aircrew must complete all requirements contained in the appropriate NATOPS Manual or syllabi peculiar to the KC-130J aircraft.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.12B, Maintenance Training Management and Evaluation Programs (MATMEP) for the appropriate MOS.

d. Related Military Skill. See primary KC-130 MOS.

19. MOS 9974, Vertical Takeoff Unmanned Aerial Vehicle Specialist (MGySgt to Pvt)*

a. Summary. Ground maintenance technicians and air vehicle operators are responsible for performing duties incident to the maintenance and operation of Marine VTUAV aircraft. This MOS will be assigned as a skill designator MOS only to qualified UAV Maintenance Technicians and Air Vehicle Operators holding the 6214, 6314, 7314, 7315, and 7316 MOSs.

b. Requirements/Prerequisites

(1) Meet the requirements/prerequisites for the primary UAV MOS.

(2) Complete the appropriate formal school at NAMTRAGRUDET Whiting Field, Milton, FL, or complete an equivalent OMA Contractors Maintenance/Air Vehicle Operators Course for the appropriate MOS.

(3) Complete the Maintenance Training Management and Evaluation Programs (MATMEP) level II asterisk items for the appropriate MOS. The level II asterisk items are the mandatory "Training Tasks" contained in the formal school training tracks.

(4) Air vehicle operators must complete all requirements contained in the appropriate NATOPS Manual or syllabi peculiar to the VTUAV aircraft.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.16, Aviation Training and Readiness (T&R) Manual, and MCO P4790.12B, Maintenance Training Management and Evaluation Programs (MATMEP) for the appropriate MOS.

d. Related Military Skill. See primary UAV MOS.

20. MOS 9976, Helicopter Specialist, AH-1Z/UH-1Y (MGySgt to Pvt)*

a. Summary. Ground maintenance technicians and aircrew are responsible for performing duties incident to the maintenance and operation of Marine AH-1Z and UH-1Y aircraft. This MOS will be assigned as skill designator MOS only to qualified AH-1W and UH-1N Maintenance Technicians and Aircrew holding 6048, 6114, 6124, 6154, 6174, 6324, 6531, 7563, and 7565 MOSs.

b. Requirements/Prerequisites

(1) Meet all requirements/prerequisites for the primary H-1 MOS.

(2) Complete the appropriate formal school at NAMTRAGRUMARDET, MCAS Camp Pendleton, CA or complete an equivalent OMA Contractor Maintenance/Aircrew Course for the appropriate MOS.

(3) Complete the Maintenance Training Management and Evaluation Programs (MATMEP) level II asterisk items for the appropriate MOS. The level II asterisk items are the mandatory "Training Task" contained in the formal school training tracks.

(4) Aircrew must complete all requirements contained in the appropriate NATOPS Manual or syllabi peculiar to the AZ-1Z and UH-1Y aircraft.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.16, Aviation Training and Readiness (T&R) Manual, and MCO P4790, 12B, Maintenance Training Management and Evaluation Programs (MATMEP) for the appropriate MOS.

d. Related Military Skills. See primary H-1 MOS.

21. MOS 9986, Joint Terminal Attack Controller (MGySgt to SSgt)*

a. Summary. This MOS is a skill designator MOS which requires formal Joint Terminal Attack Controller (JTAC) training and certification. It forms the foundation skill set for assignment to appropriate JTAC billet in the Operating Forces. A JTAC is a qualified (certified) service member, who from a forward position directs the action of combat aircraft engaged in close air support (CAS), and other offensive air operations. A qualified and current JTAC will be recognized across DoD as capable and authorized to perform terminal attack control. Mission essential task/skill training for a JTAC is established in the T&R and includes graduation from the Special Operations Spotter Course (SOSC), and the Tactical Air Control Party (TACP) Course at EWTG. Upon successful completion of the TACP Course, the JTAC will be designated combat capable, receive MOS 9986 JTAC, and will return to his unit for completion of the T&R requirements. Only T&R qualified and current JTACs may conduct Close Air Support (CAS) training operations without specified instructor supervision. Training currency must be documented and certified in the JTAC training record.

b. Requirements/Prerequisites

(1) Must have a GT score of 110 or higher.

(2) Must be a ground combat arms staff sergeant or higher (ITS proficient for grade).

(3) Must have a secret security clearance based on ENTNAC or NAC.

(4) Must have normal color vision/correctable to 20/20.

(5) Must be a U.S. citizen.

(6) Must have at least two years of obligated time in service remaining upon completion of TACP course.

c. Duties. For a complete listing of duties and tasks, refer to the JTAC portions of the T&R Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Ground Combat Arms Staff Sergeant

22. MOS 9991, Sergeant Major of the Marine Corps (SgtMaj)

a. Summary. Assists the CMC as senior enlisted Marine in the Marine Corps. Advises the CMC in matters pertaining to enlisted personnel and assists the CMC in the performance of his duties. Performs such specific duties as member of the CMC's enlisted performance board, member of the permanent Marine Corps uniform board, and member of the CMC's party on all visits and inspection trips to Marine Corps installations when enlisted personnel are involved. When directed by the CMC, assists staff agencies in matters pertaining to enlisted Marines. Represents the CMC at the staff noncommissioned officers' symposium.

b. Requirements/Prerequisites

(1) Possess sufficient training, schooling (formal or OJT) to act independently as principal enlisted assistant in all administrative, technical, and tactical matters in a unit.

(2) Possess exemplary qualities of leadership.

(3) Possess to an exemplary degree initiative, sound judgment, industry, and dignity of demeanor.

c. Duties

(1) Communicates ideas effectively at all levels.

(2) Possesses to the highest degree the faculty for working in harmony with officers, other noncommissioned officers, and civilians.

(3) Demonstrates a comprehensive understanding of Marine Corps organizations, missions, and staff procedures.

(4) Possesses a comprehensive understanding of staff procedures and interorganization relationships including interservice organization and relationships at the highest levels.

d. Related DOT Classification/DOT Code. No civilian equivalent.

23. MOS 9999, Sergeant Major-First Sergeant (SgtMaj/1stSgt)

a. Summary. Assists the commander as senior enlisted Marine in the unit. Acts as principal enlisted assistant to the commander. Keeps apprised of all policies of the commander. Disseminates information to the unit's enlisted personnel regarding such policies. Reports to the commander on the status of matters pertaining to the efficient operation of the command. Counsels subordinate unit noncommissioned officers as required to improve the general effectiveness of the command. Interviews and counsels enlisted personnel on pertinent professional and personal matters that may affect the efficiency of the command. Assists the commander in the conduct of office hours, requests mast, and meritorious mast. Participates in ceremonies, briefings, confer commander. Assists in supervision of clerical and administrative matters; training functions and the employment of the command in garrison and in the field; logistic functions such as billeting, transportation, and messing; inspections and investigations; personnel management; and daily routine. Assumes other duties designated by the commander.

b. Requirements/Prerequisites

(1) Must have requested to be considered for 1stSgt on latest fitness report by typing an "F" in block 2.g.

(2) Possess those qualities of leadership that tend to elicit from subordinates unquestioned cooperation and obedience under any circumstances or situations.

(3) Possess sufficient training, schooling (formal or OJT) to act independently as principal enlisted assistant in all administrative, technical, and tactical matters in a unit.

(4) Possess an exemplary degree initiative, sound judgment, industry, and dignity of demeanor.

(5) Exhibit strong ability to read and interpret regulations, communicate verbally and in writing, and research all matters affecting personnel.

(6) Have exhibited a consistent and exemplary standard of military appearance, physical fitness, and personal discipline.

(7) PME requires completion of the career course (either residency or non-residency) and advance course (residency and non-residency), as well as, the war fighting skills program.

(8) Have demonstrated ability to lead groups of Marines of at least squad size.

(9) Have demonstrated ability to function in an independent environment or have successfully completed a tour in a "B" billet (e.g., DI, Recruiting, MSG).

c. Duties

(1) SgtMaj and 1stSgt:

(a) Communicates ideas effectively at all levels.

(b) Possesses to the highest degree the faculty for working in harmony with officers, other noncommissioned officers, and civilians.

(c) Possesses a comprehensive understanding of Marine Corps organization, missions, and staff procedures in units of company level.

(2) SgtMaj:

(a) Possesses an extensive knowledge of Marine Corps staff procedures, organizations, and missions of units higher than company level.

(b) Possesses a comprehensive understanding of staff procedures and interorganization relationships including interservice organization and relationships at the highest levels.

d. Related DOT Classification/DOT Code

(1) Manager, Personnel 166.117-018.

(2) Senior Enlisted Advisor 166.167-042.

CHAPTER 3

ENLISTED OCCUPATIONAL SYSTEM

SECTION 2: ALPHABETICAL LISTING OF ENLISTED MOSs

3201. ALPHABETICAL LISTING. Figure 3-37 of this Section is an alphabetical listing of enlisted MOS titles, including basic MOSs, four-digit MOS code, and page number where each MOS is described.

MOS TITLE	MOS CODE	PAGE NUMBER
2M/ATE TECHNICIAN (GYSGT TO PVT)	2881	3-184
ACCIDENT INVESTIGATOR (GYSGT TO CPL)*	5813	3-296
ACQUISITION SPECIALIST (MSGT TO SSGT)*	9960	3-514
ADMINISTRATION CLERK (SGT TO PVT)	0151	3-6
ADVANCED AIRCRAFT COMMUNICATION/NAVIGATION SYSTEMS TECHNICIAN, IMA (GYSGT AND SSGT)	6414	3-397
ADVANCED AIRCRAFT ELECTRICAL/INSTRUMENT/FLIGHT CONTROL SYSTEMS TECHNICIAN, IMA (GYSGT AND SSGT)	6434	3-400
ADVANCED AUTOMATIC TEST EQUIPMENT TECHNICIAN, IMA (GYSGT TO SSGT)	6469	3-405
AIR CONTROL ELECTRONICS OPERATOR (SGT TO PVT)	7234	3-451
AIRCREW TRAINEE (GYSGT TO PVT)	9972	3-515
AIR SUPPORT OPERATIONS OPERATOR (MGYSGT TO PVT)	7242	3-454
AIR TRAFFIC CONTROL COMMUNICATIONS TECHNICIAN (GYSGT TO PVT)	5954	3-321
AIR TRAFFIC CONTROL NAVIGATIONAL AIDS TECHNICIAN (GYSGT TO PVT)	5952	3-317
AIR TRAFFIC CONTROL RADAR TECHNICIAN (GYSGT TO PVT)	5953	3-319
AIR TRAFFIC CONTROL SYSTEMS MAINTENANCE CHIEF (MGYSGT AND MSGT)	5959	3-322
AIR TRAFFIC CONTROLLER (GYSGT TO PVT)	7257	3-459
AIR TRAFFIC CONTROLLER-RADAR (GYSGT TO PVT)*	7253	3-457
AIR TRAFFIC CONTROLLER-TOWER (GYSGT TO PVT)*	7252	3-456
AIR TRAFFIC CONTROLLER-TRAINEE (SGT TO PVT)	7251	3-456
AIRBORNE RADIO OPERATOR/IN-FLIGHT REFUELING OBSERVER/LOADMASTER (MGYSGT TO LCPL)	7382	3-472
AIRBORNE RADIO OPERATOR/IN-FLIGHT OBSERVER/LOADMASTER-TRAINEE (ARO/IRO/LM) (SGT TO PVT)	7381	3-471
AIRCRAFT COMMUNICATIONS SYSTEMS TECHNICIAN, IMA (SGT TO PVT)	6412	3-395
AIRCRAFT COMMUNICATIONS/NAVIGATION SYSTEMS TECHNICIAN, KC-130 (GYSGT TO PVT)	6316	3-386
AIRCRAFT COMMUNICATIONS/NAVIGATION SYSTEMS TECHNICIAN-TRAINEE, IMA (GYSGT TO PVT)	6411	3-395
AIRCRAFT COMMUNICATIONS/NAVIGATION/ELECTRICAL SYSTEMS TECHNICIAN, CH-46 (GYSGT TO PVT)	6322	3-388
AIRCRAFT COMMUNICATIONS/NAVIGATION/ELECTRICAL SYSTEMS TECHNICIAN, CH-53 (GYSGT TO PVT)	6323	3-388
AIRCRAFT COMMUNICATIONS/NAVIGATION/ELECTRICAL/WEAPON SYSTEMS TECHNICIAN, U/AH-1 (GYSGT TO PVT)	6324	3-389
AIRCRAFT COMMUNICATIONS/NAVIGATION/ELECTRICAL/WEAPON SYSTEMS TECHNICIAN, V-22 (GYSGT TO PVT)	6326	3-390
AIRCRAFT COMMUNICATIONS/NAVIGATION/ELECTRICAL/WEAPON SYSTEMS TECH-TRAINEE, OMA (GYSGT TO PVT)	6311	3-384
AIRCRAFT COMMUNICATIONS/NAVIGATION/RADAR SYSTEMS TECHNICIAN, EA-6 (GYSGT TO PVT)	6313	3-385
AIRCRAFT COMMUNICATIONS/NAVIGATION/WEAPON SYSTEMS TECHNICIAN, AV-8 (GYSGT TO PVT)	6312	3-384
AIRCRAFT COMMUNICATIONS/NAVIGATION/WEAPON SYSTEMS TECHNICIAN, F/A-18 (GYSGT TO PVT)	6317	3-387
AIRCRAFT CRYPTOGRAPHIC SYSTEMS TECHNICIAN, IMA (GYSGT TO PVT)*	6422	3-397
AIRCRAFT ELECTRICAL SYSTEMS TECHNICIAN, AV-8 (GYSGT TO PVT)	6332	3-391
AIRCRAFT ELECTRICAL SYSTEMS TECHNICIAN, EA-6 (GYSGT TO PVT)	6333	3-392
AIRCRAFT ELECTRICAL SYSTEMS TECHNICIAN, F/A-18 (GYSGT TO PVT	6337	3-393
AIRCRAFT ELECTRICAL SYSTEMS TECHNICIAN, KC-130 (GYSGT TO PVT)	6336	3-392
AIRCRAFT ELECTRICAL SYSTEMS TECHNICIAN-TRAINEE (GYSGT TO PVT)	6331	3-39
AIRCRAFT ELECTRICAL SYSTEMS TECHNICIAN-TRAINEE (GYSGT TO PVT)	6431	3-399
AIRCRAFT ELECTRICAL/INSTRUMENT/FLIGHT CONTROL SYSTEMS TECHNICIAN, FIXED-WING, IMA (SGT TO PVT)	6432	3-399
AIRCRAFT ELECTRICAL/INSTRUMENT/FLIGHT CONTROL SYSTEMS TECHNICIAN, HELICOPTER, IMA (SGT TO PVT)	6433	3-400
AIRCRAFT ELECTRONIC COUNTERMEASURES SYSTEMS TECHNICIAN, EA-6B (GYSGT TO PVT)	6386	3-393
AIRCRAFT ELECTRONIC COUNTERMEASURES SYSTEMS TECHNICIAN, FIXED-WING, IMA (GYSGT TO PVT)	6482	3-407
AIRCRAFT ELECTRONIC COUNTERMEASURES SYSTEMS TECHNICIAN, HELICOPTER, IMA (GYSGT TO PVT)	6483	3-408
AIRCRAFT ELECTRONIC COUNTERMEASURES SYSTEMS/RADCOM/CAT IIID TECHNICIAN, IMA (GYSGT TO PVT)	6484	3-408
AIRCRAFT FORWARD LOOKING INFRARED/ELECTRO-OPTICAL TECHNICIAN, IMA (SGT TO PVT)	6466	3-404
AIRCRAFT INERTIAL NAVIGATION SYSTEM TECHNICIAN, IMA (SGT TO PVT)	6464	3-403
AIRCRAFT INTERMEDIATE LEVEL HYDRAULIC/PNEUMATIC MECHANIC (GYSGT TO PVT)	6062	3-346
AIRCRAFT INTERMEDIATE LEVEL HYDRAULIC/PNEUMATIC MECHANIC-TRAINEE (GYSGT TO PVT)	6061	3-346
AIRCRAFT INTERMEDIATE LEVEL STRUCTURES MECHANIC (GYSGT TO PVT)	6092	3-349
AIRCRAFT INTERMEDIATE LEVEL STRUCTURES MECHANIC-TRAINEE (GYSGT TO PVT)	6091	3-348
AIRCRAFT MAINTENANCE ADMINISTRATION SPECIALIST (MGYSGT TO PVT)	6046	3-343
AIRCRAFT MAINTENANCE CHIEF (MGYSGT AND MSGT)	6019	3-341
AIRCRAFT MAINTENANCE SUPPORT EQUIPMENT ELECTRICIAN/REFRIGERATION MECHANIC (GYSGT TO PVT)	6073	3-347
AIRCRAFT MAINTENANCE SUPPORT EQUIPMENT HYDRAULIC/PNEUMATIC/STRUCTURES MECHANIC (GYSGT TO PVT)	6072	3-347
AIRCRAFT MAINTENANCE SUPPORT EQUIPMENT MECHANIC-TRAINEE (GYSGT TO PVT)	6071	3-346
AIRCRAFT NAVIGATION SYSTEMS TECHNICIAN, IFF/RADAR/TACAN, IMA (SGT TO PVT)	6413	3-396
AIRCRAFT NONDESTRUCTIVE INSPECTION TECHNICIAN (GYSGT TO CPL)*	6033	3-342
AIRCRAFT ORDNANCE TECHNICIAN (GYSGT TO PVT)	6531	3-415
AIRCRAFT POWER PLANTS TEST CELL OPERATOR (GYSGT TO CPL)*	6023	3-341
AIRCRAFT RESCUE AND FIREFIGHTING SPECIALIST (MGYSGT TO PVT)	7051	3-441
AIRCRAFT WELDER (GYSGT TO LCPL)*	6043	3-343
AIRCREW TRAINEE (GYSGT TO PVT)	9972	3-515
AMMUNITION TECHNICIAN (MGYSGT TO PVT)	2311	3-134
AN/MSC-63A MAINTENANCE TECHNCIAN (GYSGT TO SGT)*	2826	3-176
AN/TRC-170 REPAIRER (SGT TO PVT)	2831	3-177
AN/TRC-170 TECHNICIAN (GYSGT TO SGT)	2832	3-178

FIGURE 3-37--Alphabetical Listing of Enlisted MOSs

MOS TITLE	MOS CODE	PAGE NUMBER
ANTITANK MISSILE-MAN (SGT TO PVT)	0352	3-34
ARTILLERY ELECTRONICS TECHNICIAN (GYSGT TO PVT)	2887	3-185
ARTILLERY METEOROLOGICAL MAN (SGT TO PVT)	0847	3-82
ASIA-PACIFIC CRYPTOLOGIC LINGUIST (GYSGT TO PVT)	2673	3-147
ASSAULT AMPHIBIOUS VEHICLE (AAV) CREWMAN (MGYSGT TO PVT)	1833	3-111
ASSAULT AMPHIBIOUS VEHICLE (AAV) REPAIRER/TECHNICIAN (GYSGT TO PVT)	2141	3-119
ATHLETIC AND RECREATION ASSISTANT (MGYSGT TO PVT)	8921	3-503
AUTOMOTIVE INTERMEDIATE MECHANIC (SGT TO LCPL)*	3522	3-234
AUTOMOTIVE ORGANIZATIONAL MECHANIC (SGT TO PVT)	3521	3-234
AVENGER SYSTEM MAINTAINER (MSGT TO PVT)*	5912	3-312
AVIATION ELECTRONIC MICROMINIATURE/INSTRUMENT AND CABLE REPAIR TECHNICIAN, IMA (SGT TO PVT)	6423	3-398
AVIATION INFORMATION SYSTEMS (AIS) SPECIALIST (MGYSGT TO PVT)	6694	3-425
AVIATION MAINTENANCE CONTROLLER/PRODUCTION CONTROLLER (GYSGT TO SGT)*	6012	3-339
AVIATION METEOROLOGICAL EQUIPMENT TECHNICIAN, OMA/IMA (GYSGT TO PVT)	6493	3-409
AVIATION OPERATIONS SPECIALIST (MGYSGT TO PVT)	7041	3-438
AVIATION ORDNANCE CHIEF (MGYSGT AND MSGT)	6591	3-419
AVIATION ORDNANCE SYSTEMS TECHNICIAN (GYSGT TO PVT)	6541	3-417
AVIATION ORDNANCE TECHNICIAN (GYSGT TO PVT)	6531	3-415
AVIATION ORDNANCE TRAINEE (GYSGT TO PVT)	6511	3-415
AVIATION PRECISION MEASUREMENT EQUIPMENT/CALIBRATION AND REPAIR TECHNICIAN, IMA (GYSGT TO PVT)	6492	3-409
AVIATION QUALITY ASSURANCE REPRESENTATIVE (QAR), CDQAR, CDI (MGYSGT TO CPL)*	6018	3-340
AVIATION RADAR REPAIRER (SGT TO PVT)	5942	3-315
AVIATION RADAR TECHNICIAN (MSGT TO SGT)	5948	3-316
AVIATION RADIO REPAIRER (SGT TO PVT)	5937	3-313
AVIATION RADIO TECHNICIAN (MSGT TO SGT)	5939	3-314
AVIATION SUPPLY SPECIALIST (MGYSGT TO PVT)	6672	3-424
AVIONICS MAINTENANCE CHIEF (MGYSGT AND MSGT)	6391	3-394
AVIONICS TEST SET (ATS) TECHNICIAN, IMA (SGT TO PVT)	6462	3-402
BANDMASTER (MGYSGT TO MSGT)	5517	3-279
BARRACKS AND GROUNDS MARINE (GYSGT TO PVT)**	8911	3-502
BASIC MARINE WITH ENLISTMENT GUARANTEE (MGYSGT TO PVT)	9971	3-515
BILLET DESIGNATOR - ENLISTED (MGYSGT TO PVT)	9916	3-509
BROADCAST JOURNALIST (MGYSGT TO PVT)*	4313	3-259
BULK FUEL SPECIALIST (MGYSGT TO PVT)	1391	3-103
CAREER RECRUITER (MGYSGT TO GYSGT)	8412	3-485
CAREER RETENTION SPECIALIST (MGYSGT TO SGT)	8421	3-486
CERTIFICATION AUTHORITY WORKSTATION (CAW) OPERATOR (GYSGT TO CPL)	0652	3-66
CIVIL AFFAIRS NONCOMMISSIONED OFFICER (GYSGT TO CPL)*	0531	3-56
COLLEGE DEGREE-ENLISTED (MGYSGT TO PVT)	9917	3-509
COMBAT CORRESPONDENT (MGYSGT TO PVT)	4341	3-260
COMBAT ENGINEER (MGYSGT TO PVT)	1371	3-102
COMBAT ILLUSTRATOR (SSGT TO PVT)	4611	3-270
COMBAT LITHOGRAPHER (SSGT TO PVT)	4612	3-271
COMBAT PHOTOGRAPHER (SSGT TO PVT)	4641	3-262
COMBAT RUBBER RECONNAISSANCE CRAFT (CRRC) COXSWAIN (SSGT TO PFC)	8111	3-477
COMBAT SERVICE SUPPORT CHIEF (MGYSGT TO GYSGT)	0491	3-45
COMBAT VIDEOGRAPHER (SSGT TO PVT)	4671	3-273
COMBAT VISUAL INFORMATION CHIEF (MGYSGT AND GYSGT)	4691	3-273
COMBATANT DIVER MARINE (SGTMAJ/MGYSGT TO PVT)	9952	3-510
COMMUNICATIONS CHIEF (MGYSGT TO MSGT)	0699	3-71
COMPUTER SECURITY SPECIALIST (MGYSGT TO CPL)*	4076	3-250
CONSOLIDATED AUTOMATED SPT SYS, ELECTRO-OPTICAL/FORWARD LOOKING INFRARED TECH (GYSGT TO PVT)	6472	3-406
CONSOLIDATED AUTOMATED SUPPORT SYSTEM HIGH POWER/RADAR TECHNICIAN (GYSGT TO PVT)*	6473	3-406
CONSOLIDATED AUTOMATIC SUPPORT SYSTEM (CASS) TECHNICIAN, IMA (SGT TO PVT)	6467	3-404
CONSTRUCTION WIREMAN (SGT TO PVT)	0613	3-60
CONTRACT SPECIALIST (MGYSGT TO SGT)	3044	3-203
CORRECTIONAL COUNSELOR (MGYSGT TO SGT)*	5832	3-301
CORRECTIONAL SPECIALIST (MGYSGT TO PVT)	5831	3-300
COUNTERINTELLIGENCE/HUMINT SPECIALIST (MSGT TO CPL)	0211	3-16
CRASH/FIRE/RESCUE VEHICLE MECHANIC (GYSGT TO LCPL)*	3525	3-235
CRIMINAL INVESTIGATOR CID AGENT (MGYSGT TO SGT)	5821	3-298
CRYOGENICS EQUIPMENT OPERATOR (GYSGT TO PVT)	6074	3-348
CRYPTANALYST (MGYSGT TO CPL)*	2649	3-145

FIGURE 3-37--ALPHABETICAL LISTING OF ENLISTED MOSs

MOS TITLE	MOS CODE	PAGE NUMBER
CRYPTOLOGIC DIGITAL NETWORK TECHNICIAN/ANALYST (MGYSGT-CPL)	2611	3-141
CRYPTOLOGIC LINGUIST (MGYSGT TO CPL)*	2643	3-144
DATA CHIEF (GYSGT TO SSGT)	0659	3-69
DATA NETWORK SPECIALIST (SGT TO PVT)	0651	3-65
DATA PROCESSING CHIEF (MGYSGT TO MSGT)	4099	3-251
DEFENSE MESSAGE SYSTEM (DMS) CHIEF (MSGT TO SSGT)*	2549	3-139
DEFENSE MESSAGE SYSTEM (DMS) SPECIALIST (SGT TO PVT)*	0653	3-67
DEFENSE MESSAGE SYSTEM (DMS) SPECIALIST (SGT TO PVT)*	2542	3-139
DIGITAL (MULTI-CHANNEL) WIDEBAND TRANSMISSION EQUIPMENT OPERATOR (SGT TO PVT)	0622	3-62
DRILL INSTRUCTOR (SGTMAJ/MGYSGT TO SGT)	8511	3-488
DRUM MAJOR (GYSGT TO SSGT)	5521	3-280
EDUCATION ASSISTANT (GYSGT TO PVT)	8231	3-483
ELECTRICAL EQUIPMENT REPAIR SPECIALIST (SSGT TO PVT)	1142	3-90
ELECTRICIAN (SSGT TO PVT)	1141	3-90
ELECTRO-OPTICAL ORDNANCE REPAIRER (GYSGT TO PVT)	2171	3-123
ELECTRONIC INTELLIGENCE (ELINT) INTERCEPT OPERATOR/ANALYST (GYSGT TO PVT)	2631	3-143
ELECTRONIC SWITCHING EQUIPMENT TECHNICIAN (GYSGT TO PVT)	2822	3-175
ELECTRONIC SWITCHING OPERATOR/MAINTAINER (DTC) (SGT TO CPL)	0618	3-61
ELECTRONICS MAINTENANCE CHIEF (MGYSGT AND MSGT)	2891	3-186
ELECTRONICS MAINTENANCE CHIEF (MGYSGT)	5993	3-329
ELECTRONICS MAINTENANCE TECHNICIAN (GYSGT TO SGT)	2862	3-182
ENGINEER ASSISTANT (GYSGT TO PVT)	1361	3-102
ENGINEER EQUIPMENT CHIEF (MGYSGT TO GYSGT)	1349	3-101
ENGINEER EQUIPMENT MECHANIC (SSGT TO PVT)	1341	3-99
ENGINEER EQUIPMENT OPERATOR (SSGT TO PVT)	1345	3-101
ENLISTED AIRCREW/AERIAL OBSERVER/GUNNER (MGYSGT TO PVT)*	6199	3-363
ENLISTED CONDUCTOR (GYSGT TO SSGT)	5519	3-279
EQUAL OPPORTUNITY ADVISOR (EOA) (MGYSGT TO SSGT)*	8534	3-491
EUROPEAN I (WEST) CRYPTOLOGIC LINGUIST (GYSGT TO PVT)	2674	3-148
EUROPEAN II (EAST) CRYPTOLOGIC LINGUIST (GYSGT TO PVT)#	2676	3-149
EXPEDITIONARY AIRFIELD SYSTEMS TECHNICIAN (MGYSGT TO PVT)	7011	3-436
EXPEDITIONARY FIGHTING VEHICLE (EFV) CREWMAN (MGYSGT TO PVT)	1834	3-112
EXPEDITIONARY FIGHTING VEHICLE (EFV) REPAIRER/TECHNICIAN (GYSGT TO PVT)	2148	3-121
EXPLOSIVE ORDNANCE DISPOSAL TECHNICIAN (MGYSGT TO SGT)	2336	3-135
EXTERNAL UNMANNED AERIAL VEHICLE (UAV) OPERATOR (MGYSGT TO SGT)*	7316	3-469
FABRIC REPAIR SPECIALIST (SSGT TO PVT)	1181	3-92
FIELD ARTILLERY CANNONEER (MGYSGT TO PVT)	0811	3-80
FIELD ARTILLERY FIRE CONTROL MAN (SGT TO PVT)	0844	3-81
FIELD ARTILLERY METEOROLOGICAL MAN (SGT TO PVT)	0847	3-82
FIELD ARTILLERY OPERATIONS MAN (MGYSGT TO SSGT)	0848	3-82
FIELD ARTILLERY RADAR OPERATOR (SGT TO PVT)	0842	3-81
FIELD RADIO OPERATOR (SGT TO PVT)	0621	3-62
FIELD WIREMAN (SGT TO PVT)	0612	3-59
FINANCE TECHNICIAN (MGYSGT TO PVT)	3432	3-226
FIRE SUPPORT MAN (MGYSGT TO PVT)	0861	3-83
FIREFIGHTER (GYSGT TO PVT)	8811	3-500
FISCAL/BUDGET TECHNICIAN (MGYSGT TO PVT)	3451	3-228
FIXED-WING AIRCRAFT AIRFRAME MECHANIC, AV-8/TAV-8 (GYSGT TO PVT)	6252	3-374
FIXED-WING AIRCRAFT AIRFRAME MECHANIC, EA-6 (GYSGT TO PVT)	6253	3-374
FIXED-WING AIRCRAFT AIRFRAME MECHANIC, F/A-18 (GYSGT TO PVT)	6257	3-375
FIXED-WING AIRCRAFT AIRFRAME MECHANIC, KC-130 (GYSGT TO PVT)	6256	3-375
FIXED-WING AIRCRAFT AIRFRAME MECHANIC-TRAINEE (GYSGT TO PVT)	6251	3-373
FIXED-WING AIRCRAFT CREW CHIEF, KC-130 (MGYSGT TO PVT)	6276	3-376
FIXED-WING AIRCRAFT FLIGHT ENGINEER, KC-130 (MGYSGT TO SGT)*	6242	3-368
FIXED-WING AIRCRAFT MECHANIC, AV-8/TAV-8 (GYSGT TO PVT)	6212	3-364
FIXED-WING AIRCRAFT MECHANIC, EA-6 (GYSGT TO PVT)	6213	3-364
FIXED-WING AIRCRAFT MECHANIC, F/A-18 (GYSGT TO PVT)	6217	3-366
FIXED-WING AIRCRAAFT MECHANIC, KC-130 (GYSGT TO PVT)	6216	3-365
FIXED-WING AIRCRAFT MECHANIC-TRAINEE (GYSGT TO PVT)	6211	3-363
FIXED-WING AIRCRAFT POWER PLANTS MECHANIC, F-402 (GYSGT TO PVT)	6222	3-366
FIXED-WING AIRCRAFT POWER PLANTS MECHANIC, F-404 (GYSGT TO PVT)	6227	3-368
FIXED-WING AIRCRAFT POWER PLANTS MECHANIC, J-52 (GYSGT TO PVT)	6223	3-367
FIXED-WING AIRCRAFT POWER PLANTS MECHANIC, T-56 (GYSGT TO PVT)	6226	3-367
FIXED-WING AIRCRAFT SAFETY EQUIPMENT MECHANIC, AV-8/TAV-8 (GYSGT TO PVT)	6282	3-377
FIXED WING AIRCRAFT SAFETY EQUIPMENT MECHANIC, EA-6 (GYSGT TO PVT)	6283	3-378

FIGURE 3-37--Alphabetical Listing of Enlisted MOSs

MOS TITLE	MOS CODE	PAGE NUMBER
FIXED-WING AIRCRAFT SAFETY MECHANIC, F/A-18 (GYSGT TO PVT)	6287	3-379
FIXED-WING AIRCRAFT SAFETY EQUIPMENT MECHANIC, KC-130 (GYSGT TO PVT)	6286	3-378
FIXED-WING AIRCRAFT SAFETY EQUIPMENT MECHANIC-TRAINEE (GYSGT TO PVT)	6281	3-377
FIXED-WING TARNSPORT AIRCRAFT SPECIALIST, C-12 (MGYSGT TO PFC)*	6244	3-370
FIXED-WING TRANSPORT AIRCRAFT SPECIALIST, C-20 (MGYSGT TO LCPL)*	6246	3-371
FIXED-WING TRANSPORT AIRCRAFT SPECIALIST, C-9 (MGYSGT TO LCPL)*	6243	3-372
FIXED-WING TRANSPORT AIRCRAFT SPECIALIST, UC-35 (MGYSGT TO LCPL)*	6247	3-372
FIXED-WING TRANSPORT AIRCRAFT SPECIALIST, KC-130J (MGYSGT TO PVT)*	9973	3-516
FLEET SATCOM TERMINAL OPERATOR (SGT TO PVT)	0626	3-63
FLEET SATELLITE TERMINAL TECHNICIAN (GYSGT TO SGT)*	2833	3-179
FORENSIC PSYCHOPHYSIOLOGIST POLYGRAPH EXAMINER (MGYSGT TO PVT)	5822	3-294
FLIGHT EQUIPMENT TECHNICIAN (GYSGT TO PVT)	6048	3-344
FOOD SERVICE ATTENDANT (LCPL TO PVT)**	8915	3-503
FOOD SERVICE SPECIALIST (MGYSGT TO PVT)	3381	3-220
FUEL AND ELECTRICAL SYSTEMS MECHANIC (SGT TO LCPL)*	3524	3-235
GENERAL SERVICE MARINE (MGYSGT TO PVT)	9900	3-508
GEOGRAPHIC INTELLIGENCE SPECIALIST (MSGT TO PVT)	0261	3-21
GRAVES REGISTRATION SPECIALIST (MGYSGT TO LCPL)*	9051	3-500
GROUND COMMUNICATIONS ORGANIZATIONAL REPAIRER (SGT TO PVT)	2844	3-180
GROUND MOBILE FORCES SATCOM OPERATOR (SGT TO PVT)	0627	3-64
GROUND OPERATIONS SPECIALIST (MGYSGT TO CPL)	8711	3-499
GROUND RADAR REPAIRER (SGT TO PVT)*	2884	3-185
GROUND RADIO INTERMEDIATE REPAIRER (SGT TO PVT)	2846	3-181
GROUND SAFETY SPECIALIST (GYSGT TO PVT)	9956	3-513
GUARD (GYSGT TO PVT)**	8151	3-481
HAZARDOUS MATERIAL/HAZARDOUS WASTE (HM/HW) STAFF NCO/NCO (MGYSGT TO LCPL)	9954	3-511
HELICOPTER AIRFRAME MECHANIC, CH-46 (GYSGT TO PVT)	6152	3-354
HELICOPTER AIRFRAME MECHANIC, CH-53 (GYSGT TO PVT)	6153	3-354
HELICOPTER AIRFRAME MECHANIC, UH/AH-1 (GYSGT TO PVT	6154	3-355
HELICOPTER CREW CHIEF, CH-46 (GYSGT TO PVAT)	6172	3-356
HELICOPTER CREW CHIEF, CH-53 (GYSGT TO PVT)	6173	3-357
HELICOPTER CREW CHIEF, UH-1 (GYSGT TO PVT)	6174	3-358
HELICOPTER MECHANIC, CH-46 (GYSGT TO PVT)	6112	3-349
HELICOPTER MECHANIC, CH-53 (GYSGT TO PVT)	6113	3-360
HELICOPTER MECHANIC, UH/AH-1 (GYSGT TO PVT)	6114	3-350
HELICOPTER POWER PLANTS MECHANIC, T-400/T-700 (GYSGT TO PVT)	6124	3-352
HELICOPTER POWER PLANTS MECHANIC, T-58 (GYSGT TO PVT)	6122	3-351
HELICOPTER POWER PLANTS MECHANIC, T-64 (GYSGT TO PVT)	6123	3-352
HELICOPTER SPECIALIST, AH-1Z/UH-1Y (MGYSGT TO PVT)*	9976	3-517
HELICOPTER/TILTROTOR AIRFRAME MECHANIC-TRAINEE (GYSGT TO PVT)	6151	3-353
HELICOPTER/TILTROTOR DYNAMIC COMPONENTS MECHANIC (GYSGT TO PVT)	6132	3-353
HELICOPTER/TILTROTOR MECHANIC-TRAINEE (GYSGT TO PVT)	6111	3-349
HYBRID TEST TECHNICIAN, IMA (SGT TO PVT)	6461	3-401
HYGIENE EQUIPMENT OPERATOR (SSGT-PVT)	1171	3-92
IMAGERY ANALYSIS SPECIALIST (MSGT TO SGT)	0241	3-19
INDIVIDUAL MATERIAL READINESS LIST (IMRL) ASSET MANAGER (MGYSGT TO PVT)	6042	3-342
INFANTRY ASSAULTMAN (SGT TO PVT)	0351	3-33
INFANTRY UNIT LEADER (MGYSGT TO SSGT)	0369	3-34
INFORMATION ASSURANCE TECHNICIAN (MGYSGT TO SGT)	0689	3-70
INFORMATION SECURITY TECHNICIAN (MGYSGT TO SSGT)	0681	3-70
INSTRUMENT REPAIR TECHNICIAN (MSGT TO SSGT)	5523	3-281
INTELLIGENCE CHIEF (MGYSGT)	0291	3-22
INTELLIGENCE SPECIALIST (MSGT TO PVT)	0231	3-18
INTERPRETER (DESIGNATED LANGUAGE) (MGYSGT TO PVT)	8611	3-496
INTERROGATOR/DEBRIEFER (MSGT TO CPL)	0251	3-20
JOINT TERMINAL ATTACK CONTROLLER (MGYSGT TO SSGT)	9986	3-517
LANDING SUPPORT SPECIALIST (SSGT TO PVT)	0481	3-44
LAV CREWMAN (SGT TO PVT)	0313	3-30
LEGAL SERVICES REPORTER (MGYSGT TO SGT)	4429	3-265
LEGAL SERVICES SPECIALIST (MGYSGT TO PVT)	4421	3-265
LICENSING EXAMINER (GYSGT TO SGT)*	3538	3-240
LIGHT ARMORED VEHICLE (LAV) REPAIRER/TECHNICIAN (GYSGT TO PVT)	2147	3-120
LINGUIST (MGYSGT TO PVT)*	2711 through 2794	3-169

FIGURE 3-37--ALPHABETICAL LISTING OF ENLISTED MOSs

MOS TITLE	MOS CODE	PAGE NUMBER
LOGISTICS VEHICLE SYSTEM OPERATOR (SGT TO PVT)	3533	3-237
LOGISTICS/EMBARKATION AND COMBAT SERVICE SUPPORT (CSS) SPECIALIST (SSGT TO PVT)	0431	3-42
LOW ALTITUDE AIR DEFENSE (LAAD) GUNNER (MGYSGST TO PVT)	7212	3-449
M1A1 TANK CREWMAN (MGYSGT TO PVT)	1812	3-111
MACHINE GUNNER (SGT TO PVT)	0331	3-32
MACHINIST (GYSGT TO PVT)	2161	3-122
MAGTF PLANNING SPECIALIST (MGYSGT TO PVT)	0511	3-55
MAIN BATTLE TANK (MBT) REPAIRER/TECHNICIAN (GYSGT TO PVT)	2146	3-119
MAINTENANCE MANAGEMENT SPECIALIST (MGYSGT TO PVT)	0411	3-42
MANPOWER INFORMATION SYSTEMS (MIS) ANALYST (MGYSGT TO CPL)*	0171	3-7
MARINE AIDE (MGYSGT TO SGT)*	3372	3-229
MARINE COMBAT INSTRUCTOR (GYSGT TO CPL)	8513	3-489
MARINE CORPS SECURITY FORCE (MCSF) GUARD (GYSGT TO PVT)**	8152	3-482
MARINE CORPS SECURITY FORCE (MCSF) CADRE TRAINER (GYSGT TO CPL)**	8153	3-482
MARINE CORPS SECURITY FORCE (MCSF) CLOSE QUARTERS BATTLE (CQB) TEAM MEMBER (SSGT TO LCPL)**	8154	3-483
MARKSMANSHIP COACH (SGT TO PFC)*	8530	3-489
MARKMANSHIP INSTRUCTOR (MGYSGT TO SGT)**	8531	3-490
MARTIAL ARTS INSTRUCTOR (MGYST TO CPL)	8551	3-494
MARTIAL ARTS INSTRUCTOR-TRAINER (MGYSGT TO SGT)	8552	3-494
MECEP PARTICIPANT (MGYSGT TO PVT)	9928	3-509
MEMBER, THE COMMANDANT'S OWN, U.S. MARINE DRUM AND BUGLE CORPS (MGYSGT TO PVT)	9812	3-507
MEMBER, THE PRESIDENT'S OWN, UNITED STATES MARINE BAND (MGYSGT TO SSGT)	9811	3-506
METAL WORKER (SSGT TO PVT)	1316	3-99
METOC FORECASTER (MGYSGT TO SGT)	6842	3-431
METOC IMPACTS ANALYST	6852	3-431
METOC OBSERVER (SGT TO PVT)	6821	3-430
METROLOGY TECHNICIAN (MGYSGT TO SGT)	2874	3-184
MICROMINIATURE REPAIRER (MGYSGT TO LCPL)*	8641	3-497
MIDDLE EAST CRYPTOLOGIC LINGUIST (GYSGT TO PVT)	2671	3-146
MILITARY POLICE (MGYSGT TO PVT)	5811	3-294
MILITARY POLICE INVESTIGATOR (MPI) (GYSGT TO CPL)*	5819	3-297
MORALE, WELFARE, RECREATION (MWR) SPECIALIST (MGYSGT TO SGT)	4133	3-255
MORTARMAN (SGT TO PVT)	0341	3-33
MOTOR TRANSPORT MAINTENANCE CHIEF (MGYSGT TO SSGT)	3529	3-236
MOTOR TRANSPORT OPERATIONS CHIEF (MGYSGT TO SSGT)	3537	3-239
MOTOR VEHICLE OPERATOR (SGT TO PVT)	3531	3-236
MUSICIAN (SSGT TO PVT)	5524	3-282
MUSICIAN, EUPHONIUM (SSGT TO PVT	5543	3-283
MUSICIAN, BASSOON (SSGT TO PVT)	5528	3-283
MUSICIAN, CLARINET (SSGT TO PVT)	5534	3-283
MUSICIAN, TRUMPET (SSGT TO PVT)	5541	3-283
MUSICIAN, FLUTE AND PICCOLO (SSGT TO PVT)	5536	3-283
MUSICIAN, HORN (SSGT TO PVT)	5544	3-283
MUSICIAN, GUITAR (SSGT TO PVT)	5566	3-284
MUSICIAN, OBOE (SSGT TO PVT)	5526	3-282
MUSICIAN, PERCUSSION (DRUMS, TYMPANI, AND MALLETS) (SSGT TO PVT)	5563	3-283
MUSICIAN, PIANO (SSGT TO PVT)	5565	3-283
MUSICIAN, SAXOPHONE (SSGT TO PVT)	5537	3-283
MUSICIAN, ELECTRIC BASS (SSGT TO PVT)	5548	3-283
MUSICIAN, TROMBONE (SSGT TO PVT)	5546	3-283
MUSICIAN, TUBA/SOUSAPHONE (SSGT TO PVT)	5547	3-283
NAF AUDIT TECHNICIAN (MGYSGT TO SGT)	3441	3-227
NALCOMIS APPLICATION ADMINISTRATOR/ANALYST (MGYSGT TO SGT)*	6049	3-345
NUCLEAR BIOLOGICAL AND CHEMICAL DEFENSE (NBCD) SPECIALIST (MGYSGT TO PVT)	5711	3-289
ORDNANCE VEHICLE MAINTENANCE CHIEF (MGYSGT AND MSGT)	2149	3-122
PACKAGING SPECIALIST (MGYSGT TO PVT)	3052	3-206
PARACHUTE RIGGER (MGYSGT TO PVT)	0451	3-43
PARACHUTIST (SGTMAJ/MGYSGT TO PVT)	9962	3-515
PARACHUTIST/COMBATANT DIVER MARINE (SGTMAJ/MGYSGT TO PVT)	9953	3-511
PERSONNEL CLERK (SGT TO PVT)	0121	3-5
PERSONNEL/ADMINISTRATIVE CHIEF (MGYSGT TO SSGT)	0193	3-8
PHYSICAL SECURITY SPECIALIST (GYSGT TO CPL)*	5814	3-296
POSTAL CLERK (MGYSGT TO PVT)	0161	3-6
PRECISION WEAPONS REPAIRER (GYSGT TO CPL)*	2112	3-118

FIGURE 3-37--Alphabetical Listing of Enlisted MOSs

MOS TITLE	MOS CODE	PAGE NUMBER
PRESIDENTIAL SUPPORT SPECIALIST (MGYSGT TO LCPL)	6162	3-356
PROGRAMMER, ADA (MSGT TO PVT)	4067	3-249
PSYCHOLOGICAL OPERATIONS NONCOMMISSIONED OFFICER (GYSGT TO CPL)	8431	3-487
RADAR APPROACH CONTROLLER (GYSGT TO PVT)*	7254	3-458
RADAR SYSTEMS TEST STATION (RSTS) TECHNICIAN, IMA (SGT TO PVT)	6463	3-402
RADIO CHIEF (GYSGT TO SSGT)	0629	3-64
RECONNAISSANCE MAN (MGYSGT TO PVT)	0321	3-31
RECONNAISSANCE MAN, COMBATANT DIVER QUALIFIED (SGTMAJ/MGYSGT TO PVT)	8653	3-499
RECONNAISSANCE MAN, PARACHUTE AND COMBATANT DIVER QUALIFIED (SGTMAJ/MGYSGT TO PVT)	8654	3-499
RECONNAISSANCE MAN, PARACHUTE QUALIFIED (SGTMAJ/MGYSGT TO PVT)	8652	3-498
RECRUITER (SSGT TO SGT)	8411	3-484
REFRIGERATION MECHANIC (SSGT TO PVT)	1161	3-91
REPRODUCTION EQUIPMENT REPAIRER (SSGT TO CPL)*	4616	3-272
RIFLEMAN (SGT TO PVT)	0311	3-30
RIGID RAIDING CRAFT (RRC) COXSWAIN (SSGT TO PFC)	8114	3-480
RIVERINE ASSAULT CRAFT (RAC) CREWMAN (GYSGT TO PFC)	8112	3-479
SATELLITE COMMUNICATIONS (SATCOM) TECHNICIAN (GYSGT TO SGT)	2834	3-179
SCOUT SNIPER (GYSGT TO PVT)	8541	3-493
SEMITRAILER REFUELER OPERATOR (SGT TO LCPL)*	3534	3-238
SENIOR AIR TRAFFIC CONTROLLER (MGYSGT TO MSGT)	7291	3-461
SENIOR GROUND ORDNANCE WEAPONS CHIEF (MGYSGT AND MSGT)	2181	3-124
SERGEANT MAJOR OF THE MARINE CORPS (SGTMAJ)	9991	3-518
SERGEANT MAJOR-FIRST SERGEANT (SGTMAJ/1STSGT)	9999	3-519
SIGNALS INTELLIGENCE ANALYST (MGYSGT TO CPL)*	2629	3-143
SIGNALS INTELLIGENCE/ELECTRONIC WARFARE CHIEF (MGYSGT AND MSGT)	2691	3-150
SMALL ARMS REPAIRER/TECHNICIAN (GYSGT TO PVT)	2111	3-117
SMALL ARMS WEAPONS INSTRUCTOR (MGYSGT TO SGT)*	8532	3-490
SMALL COMPUTER SYSTEMS SPECIALIST (SCSS) (MSGT TO PVT)	4066	3-259
SMALL CRAFT MECHANIC (SSGT TO LCPL)*	1342	3-100
SMALL ENSEMBLE LEADER (GYSGT TO SSGT)	5522	3-281
SPECIAL ASSIGNMENT-ENLISTED (MGYSGT TO PVT)	9915	3-508
SPECIAL COMMUNICATIONS SIGNAL COLLECTION OPERATOR/ANALYST (GYSGT TO PVT)	2621	3-142
SPECIAL INTELLIGENCE SYSTEM ADMINISTRATOR/COMMUNICATOR (MGYSGT TO PVT)	2651	3-145
SPECIAL REACTION TEAM (SRT) MEMBER (GYSGT TO CPL)*	5816	3-296
SPECIAL TECHNICAL OPERATIONS (MGYSGT TO PVT)	9935	3-509
STRATEGIC SPECTRUM MANAGER (MSGT-SSGT)	0648	3-64
SUBSTANCE ABUSE CONTROL SPECIALIST (MGYSGT TO SSGT)	9936	3-510
SUBSTANCE ABUSE COUNSELOR (MGYSGT TO SGT)	8538	3-492
SUPPLY ADMINISTRATION AND OPERATIONS CLERK (MGYSGT TO PVT)	3043	3-202
SURVEILLANCE SENSOR OPERATOR (MSGT TO PVT)	8621	3-496
TACTICAL AIR DEFENSE CONTROLLER (MGYSGT TO SGT)	7236	3-452
TACTICAL AIR OPERATIONS MODULE REPAIRER (SGT TO PVT)	5963	3-325
TACTICAL AIR OPERATIONS MODULE TECHNICIAN (MSGT TO SGT)	5979	3-327
TACTICAL DATA NETWORK GATEWAY SYSTEMS ADMINISTRATOR (GYSGT TO SGT)*	0658	3-68
TACTICAL DATA SYSTEMS ADMINISTRATOR (TDSA) (MSGT TO SGT)	5974	3-326
TACTICAL DATA SYSTEMS EQUIPMENT (TDSE) REPAIRER (SGT TO PVT)	5962	3-323
TACTICAL ELECTRONIC RECONNAISSANCE PROCESS/EVALUATION SYSTEMS TECHNICIAN (GYSGT TO SGT)*	2827	3-177
TACTICAL NETWORK SPECIALIST (SGT TO PVT)	0656	3-67
TACTICAL REMOTE SENSOR SYSTEM (TRSS) MAINTAINER (GYSGT TO LCPL)*	2848	3-182
TACTICAL SYSTEMS OPERATOR/MISSION SPECIALIST (MGYSGT TO LCPL)	7372	3-471
TACTICAL SYSTEMS OPERATOR-TRAINEE (GYSGT TO PVT)	7371	3-470
TECHNICAL CONTROLLER (MGYSGT TO SGT)	2823	3-176
TECHNICAL SURVEILLANCE COUNTERMEASURES (TSCM) SPECIALIST (MSGT TO SGT)*	0212	3-18
TELEPHONE SYSTEMS/PERSONAL COMPUTER INTERMEDIATE REPAIRER (SGT TO PVT)	2847	3-181
TEST MEASUREMENT AND DIAGNOSTIC EQUIPMENT TECHNICIAN (SGT TO PVT)	2871	3-183
TILTROTOR AIRFRAME MECHANIC, MV-22 (GYSGT TO PVT)	6156	3-355
TILTROTOR CREW CHIEF, MV-22 (GYSGT TO PVT)	6176	3-359
TILTROTOR MECHANIC, MV-22 (GYSGT TO PVT)	6116	3-351
TOWED ARTILLERY SYSTEMS TECHNICIAN (GYSGT TO PVT)	2131	3-118
TRAFFIC MANAGEMENT SPECIALIST (MGYSGT TO PVT)	3112	3-215
TROPOSPHERIC SCATTER RADIO MULTI-CHANNEL EQUIPMENT OPERATOR (SGT-PVT)	0623	3-63
UNIT LEVEL CIRCUIT SWITCH (ULCS) OPERATOR/MAINTAINER (SGT TO PVT)	0614	3-60
UNMANNED AERIAL VEHICLE (UAV) AIR VEHICLE OPERATOR (MGYSGT TO PVT)	7314	3-469
UNMANNED AERIAL VEHICLE (UAV) AVIONICS TECHNICIAN (GYSGT TO PVT)	6314	3-386

FIGURE 3-37--ALPHABETICAL LISTING OF ENLISTED MOSs

MOS TITLE	MOS CODE	PAGE NUMBER
UNMANNED AERIAL VEHICLE (UAV) MECHANIC (GYSGT TO PVT)	6214	3-363
UTILITIES CHIEF (MGYSGT TO GYSGT)	1169	3-91
VEHICLE RECOVERY OPERATOR (SGT TO PVT)*	3536	3-239
VERTICAL TAKEOFF UNMANNED AERIAL VEHICLE SPECIALIST (MGYSGT TO PVT)*	9974	3-516
VH-3E PRESIDENTIAL HELICOPTER CREW CHIEF (MGYSGT TO LCPL)*	6179	3-361
VH-60N PRESIDENTIAL HELICOPTER CREW CHIEF (MGYSGT TO LCPL)*	6178	3-360
WAREHOUSE CLERK (MGYSGT TO PVT)	3051	3-205
WATER SAFETY/SURVIVAL INSTRUCTOR (MGYSGT TO PVT)	8563	3-495
WEAPONS AND TACTICS CREW CHIEF INSTRUCTOR (MGYSGT TO LCPL)*	6177	3-359
WEAPONS AND TACTICS INSTRUCTOR-AIR CONTROL (MGYSGT TO SSGT)*	7277	3-460
WIRE CHIEF (GYSGT TO SSGT)	0619	3-61
WORKING DOG HANDLER (SSGT TO PVT)*	5812	3-295

FIGURE 3-37--Alphabetical Listing of Enlisted MOSs

CHAPTER 4

ENLISTED CONVERSION GUIDANCE

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IMPLENTATION OF MOS CONVERSION	4001	4-1
COMMANDING OFFICER'S RESPONSIBILITIES	4002	4-1

FIGURE

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4-1	ENLISTED CONVERSION TABLES/GUIDE	4-1

CHAPTER 4

ENLISTED CONVERSION GUIDANCE

4001. IMPLEMENTATION OF MOS CONVERSION

1. Director, Personnel Management Division (CMC (MM))

a. The Type Transaction Code (TTC) Conversion for the Marine Corps Total Force System (MCTFS) will convert MOSs for both the active and reserve components. Action will be accomplished by CMC (MM) on 1 October 2004 to convert the present MOS codes being revised as listed in the table of MOSs to the new MOS codes listed (refer to figure 4-1).

b. Release an advisory to Marine forces, which will serve as the source document.

c. Coordinate the conversion of reservists' MOSs with the Director, Reserve Affairs (CMC (RA)).

2. Director, Management Information Division (CMC (MI)). The Head, Manpower Information Systems Field Support Branch (CMC (MIF)), will update the MCTFS MOS Tables prior to the CMC (MM) submission of the TTC conversions on 15 April 2004.

3. Director, Total Force Structure Division (CG MCCDC (TFS). The Director, Total Force Structure Division (CG MCCDC (TFS)) will ensure T/Os are updated to reflect the MOS conversions contained in figure 4-1 by 15 April 2004.

4. Commanding General, Marine Corps Recruiting Command (CG, MCRC). The Assistant Chief of Staff, Enlisted Recruiting (MCRC (R)) will ensure MOS conversions are accomplished within the Marine Corps Recruit Information Support System (MCRISS) on 15 April 2004.

5. Director, Reserve Affairs Division (CMC (RA))

a. Determine changes to intended MOSs (IMOS) for reservists in an Initial Active Duty for Training (IADT) status or Incremental Initial Active Duty for Training (IIADT) status.

b. Coordinate IMOS changes within MCTFS with the CMC (MI).

c. Coordinate formal school training changes as required for IADTs and IIADTs.

4002. COMMANDING OFFICER’S RESPONSIBILITIES

1. Active component units verify appropriate conversion actions appearing on the RUC's Diary Feedback Report (DFR) with an origin code of "HQ".

2. In instances where commanding officers do not concur in the MOSs assigned by the CMC, identify those individuals by separate correspondence to the CMC (M&RA) within 30 days of receipt of the DFR. In each case identification will include name, social security number, MOSs currently held, and recommended MOSs, to include a brief justification for the recommended MOSs; i.e., OJT Exchange Occupational Field for past 30 months.

3. Reserve Components

a. Selected Marine Corps Reserve units verify conversion action appearing on the RUC's DFR with an origin of "HQ".

b. In instances where commanding officers do not concur in the MOSs assigned by the CMC (MM), identify those individuals by separate correspondence to the Commander, Marine Forces Reserve within 30 days of the receipt of the DFR. In each case identification will include name, social security number, MOSs currently held, and recommended MOSs, to include a brief justification for the recommended MOSs; i.e., OJT Exchange Occupational Field for past 30 months.

c. The Commander, Marine Forces Reserve coordinates retraining of reservists as required for MOS conversion, subject to the availability of funds.

d. The Director, Marine Corps Reserve Support Command (MCRSC) makes appropriate SRB entries for Individual Mobilization Augmentees, Individual Ready Reservists, and Standby Reservists using as authority the CMC (MM) conversion action appearing on the RUC's DFR with an origin of "HQ".

PRESENT MOS CODE	PRESENT MOS TITLE	GRADE	NEW MOS CODE	NEW MOS TITLE	GRADE	REMARKS
0321	Reconnaissance Man	MGySgt-Pvt	0321	Reconnaissance Man	MGySgt-Pvt	7
0351	Assaultman	Sgt-Pvt	0351	Infantry Assaultman	Sgt-Pvt	2
0352	Antitank Assault Guided Missileman	Sgt-Pvt	0352	Antitank Missileman	Sgt-Pvt	2
0369	Infantry Unit Leader	MGySgt-SSgt	0369	Infantry Unit Leader	MGySgt-SSgt	7
0451	Parachute Rigger	MGySgt-Pvt	0451	Parachute Rigger	MGySgt-Pvt	7
0619	Wire Chief	GySgt-SSgt	0619	Wire Chief	GySgt-SSgt	7
0621	Field Radio Operator	Sgt-Pvt	0621	Field Radio Operator	Sgt-Pvt	7
0622	Mobile Multi-channel Equipment Operator	Sgt-Pvt	0622	Digital Multi-channel Wideband Transmission Equipment Operator	Sgt-Pvt	2,7
			0623	Tropospheric Scatter Radio Multi-channel Equipment Operator	Sgt-Pvt	1
0624	High Frequency Communication Central Operator	Sgt-Pvt				3
0629	Radio Chief	GySgt-SSgt	0629	Radio Chief	GySgt SSgt	7
0648	Radio Frequency Management Technician	MSgt-SSgt	0648	Strategic Spectrum Manager	MSgt-SSgt	2
			0652	Certification Authority Workstation (CAW) Operator	GySgt-Cpl	1,6
0659	Data Chief	GySgt-SSgt	0659	Data Chief	GySgt-SSgt	7
0691	Operational Communication Chief	MGySgt-GySgt				3
0699	Command and Control Systems Chief	MGySgt-MSgt	0699	Communications Chief	MGySgt-MSgt	2,7

FIGURE 4-1.—ENLISTED CONVERSION TABLE/GUIDE

PRESENT MOS CODE	PRESENT MOS TITLE	GRADE	NEW MOS CODE	NEW MOS TITLE	GRADE	REMARKS
1834	Advanced Assault Amphibious Vehicle (AAAV) Crewman	MGySgt-Pvt	1834	Expeditionary Fighting Vehicle (EFV) Crewman	MGySgt-Pvt	2
2111	Small Arms Repairer/ Technician	GySgt-Pvt	2111	Small Arms Repairer/ Technician	GySgt-Pvt	7
2131	Towed Artillery Systems Technician	GySgt-Pvt	2131	Towed Artillery Systems Technician	GySgt-Pvt	7
			2148	Expeditionary Fighting Vehicle (EFV) Repairer/ Technician	GySgt-Pvt	1
2161	Machinist	GySgt-Pvt	2161	Machinist	GySgt-Pvt	7
2171	Electro-Optical Ordnance Repairer	GySgt-Pvt	2171	Electro-Optical Ordnance Repairer	GySgt-Pvt	7
			2611	Cryptologic Digital Network Technician/ Analyst	MGySgt-Cpl	1,6
2842	Enhanced Position Location Reporting System Specialist	GySgt-Sgt				3
2867	AN/TSC-120 Radio Technician	Sgt-Pvt				3
3044	Purchasing and Contracting Specialist	MGySgt-Sgt	3044	Contract Specialist	MGySgt-Sgt	2,7
3531	Motor Vehicle Operator	GySgt-Pvt	3531	Motor Vehicle Operator	GySgt-Pvt	7
3533	Logistics Vehicle System Operator	Sgt-Pvt	3533	Logistics Vehicle System Operator	Sgt-Pvt	7
3534	Semi-trailer Refueler Operator	Sgt-LCpl	3534	Semi-trailer Refueler Operator	Sgt-LCpl	7
3536	Vehicle Recovery Operator	Sgt-Pvt	3536	Vehicle Recovery Operator	Sgt-Pvt	7
4611	Combat Illustrator	GySgt-Pvt	4611	Combat Illustrator	SSgt-Pvt	4
4612	Combat Lithographer	GySgt-Pvt	4612	Combat Lithographer	SSgt-Pvt	4
4616	Reproduction Equipment Repairer	GySgt-Cpl	4616	Reproduction Equipment Repairer	SSgt-Cpl	4

FIGURE 4-1.—Enlisted Conversion Table/Guide

PRESENT MOS CODE	PRESENT MOS TITLE	GRADE	NEW MOS CODE	NEW MOS TITLE	GRADE	REMARKS
4641	Combat Photographer	GySgt-Pvt	4641	Combat Photographer	SSgt-Pvt	4
4671	Combat Videographer	GySgt-Pvt	4671	Combat Videographer	SSgt-Pvt	4
4691	Combat Visual Information Chief	MGySgt-MSgt	4691	Combat Visual Information Chief	MGySgt-GySgt	4
5524	Musician	GySgt-Pvt	5524	Musician	SSgt-Pvt	4
5526	Musician, Oboe and English Horn	GySgt-Pvt	5526	Musician, Oboe	SSgt-Pvt	2,4
5528	Musician, Bassoon	GySgt-Pvt	5528	Musician, Bassoon	SSgt-Pvt	4
5534	Musician, Clarinet	GySgt-Pvt	5534	Musician, Clarinet	SSgt-Pvt	4
5536	Musician, Flute/Piccolo	GySgt-Pvt	5536	Musician, Flute/Piccolo	SSgt-Pvt	4
5537	Musician, Saxophone	GySgt-Pvt	5537	Musician, Saxophone	SSgt-Pvt	4
5541	Musician, Coronet and Trumpet	GySgt-Pvt	5541	Musician, Trumpet	SSgt-Pvt	2,4
5543	Musician, Euphonium	GySgt-Pvt	5543	Musician, Euphonium	SSgt-Pvt	4
5544	Musician, Horn	GySgt-Pvt	5544	Musician, Horn	SSgt-Pvt	4
5546	Musician, Trombone	GySgt-Pvt	5546	Musician, Trombone	SSgt-Pvt	4
5547	Musician, Tuba/Sousaphone	GySgt-Pvt	5547	Musician, Tuba/Sousaphone	SSgt-Pvt	4
5548	Musician, Electric Bass	GySgt-Pvt	5548	Musician, Electric Bass	SSgt-Pvt	4
5563	Musician, Percussion (Drums, Tympani and Mallets)	GySgt-Pvt	5563	Musician, Percussion (Drums, Tympani, and Mallets)	SSgt-Pvt	4
5565	Musician, Piano	GySgt-Pvt	5565	Musician, Piano	SSgt-Pvt	4

FIGURE 4-1.—Enlisted Conversion Table/Guide

PRESENT MOS CODE	PRESENT MOS TITLE	GRADE	NEW MOS CODE	NEW MOS TITLE	GRADE	REMARKS
5566	Musician, Guitar	GySgt-Pvt	5566	Musician, Guitar	SSgt-Pvt	4
5812	Working Dog Handler	SSgt-Pvt	5812	Working Dog Handler	SSgt-Pvt	7
5819	Military Police Investigator	MGySgt-Cpl	5819	Military Police Investigator	GySgt-Cpl	4
5821	Marine Special Agent (MSA)	MGySgt-Sgt	5821	Criminal Investigator CID Agent	MGySgt-Sgt	2,7
5822	Polygraph Examiner	MGySgt-SSgt	5822	Forensic Psycho-Physiologist Polygraph Examiner	MGySgt-SSgt	2,7
5912	Avenger System Maintainer	MSgt-Pvt	5912	Avenger System Maintainer	MSgt-Pvt	7
5937	Aviation Radio Repairer	Sgt-Pvt	5937	Aviation Radio Repairer	Sgt-Pvt	7
5939	Aviation Radio Technician	MSgt-Sgt	5939	Aviation Radio Technician	MSgt-Sgt	7
5942	Aviation Radar Repairer	Sgt-Pvt	5942	Aviation Radar Repairer	Sgt-Pvt	7
5948	Aviation Radar Technician	MSgt-Sgt	5948	Aviation Radar Technician	MSgt-Sgt	7
5962	Tactical Data Systems Equipment (TDSE) Repairer	Sgt-Pvt	5962	Tactical Data Systems Equipment (TDSE) Repairer	Sgt-Pvt	7
5963	Tactical Air Operations Module Repairer	Sgt-Pvt	5963	Tactical Air Operations Module Repairer	Sgt-Pvt	7
5974	Tactical Data Systems Administrator (TDSA)	MSgt-Sgt	5974	Tactical Data Systems Administrator (TDSA)	MSgt-Sgt	7
5979	Tactical Air Operations Module Technician	MSgt-Sgt	5979	Tactical Air Operations Module Technician	MSgt-Sgt	7
5993	Electronics Maintenance Chief	MGySgt	5993	Electronics Maintenance Chief	MGySgt	7
6033	Aircraft Nondestructive Inspection Technician	GySgt-Cpl	6033	Aircraft Nondestructive Inspection Technician	GySgt-Cpl	7
6463	Radar System Test Station (RSTS) Technician	Sgt-Pvt	6463	Radar System Test Station (RSTS) Technician	Sgt-Pvt	7

FIGURE 4-1.—Enlisted Conversion Table/Guide

PRESENT MOS CODE	PRESENT MOS TITLE	GRADE	NEW MOS CODE	NEW MOS TITLE	GRADE	REMARKS
6466	Aircraft Forward Looking Infrared/Electro-Optical Technician, IMA	Sgt-Pvt	6466	Aircraft Forward Looking Infrared/ Electro-Optical Technician	Sgt-Pvt	7
6484	Aircraft Electronic Countermeasures Systems/ RADCOM/CAT IIID Technician,	GySgt-Pvt	6484	Aircraft Electronic Countermeasure Systems/ RADCOM/CAT IIID Technician	GySgt-Pvt	7
6821	METOC Observer	Sgt-Pvt	6821	METOC Observer	Sgt-Pvt	7
			6852	METOC Impacts Analyst	MGySgt-Sgt	1,6
			7277	Weapons and Tactics Instructor-Air Control	MGySgt-SSgt	1,6
8532	Small Arms Weapons Instructor	MGySgt-Sgt	8532	Small Arms Weapons Instructor	MGySgt-Sgt	7
			9986	Joint Terminal Attack Controller	MGySgt-SSgt	1,6

Notes:

1. New MOS or skill designator.
2. Revised MOS description.
3. Deleted MOS or skill designator.
4. Entry or terminal grade/category MOS revised.
5. Convert to a specified MOS.
6. To be assigned as a skill designator MOS only.
7. Requirement change.
8. Status of MOS changed from PMOS to skill designator MOS, or skill designator MOS changed to a PMOS.
9. OccFld/MOS number changed only.

FIGURE 4-1.—Enlisted Conversion Table/Guide

APPENDIX A

NAVY OFFICER DESIGNATORS (DES) AND BILLET CODES (NOBC)

DES	NOBC	TITLE
1000		Billet filled by any appropriately skilled and experienced Unrestricted Line (URL) Officer
	2190	Liaison Officer, Naval Research and Development
	3250	Instructor, Technical
	3251	Instructor, Academic
	3270	Instructor, Naval Science
	3925	Military Manpower Requirements Control Officer
1050		URL billet requiring an officer qualified in any one of the warfare specialties (LT and above)
1110		URL billet requiring Surface Warfare qualification.
1310		URL billet requiring Submarine Warfare qualification.
1311		URL billet, Code 0 - other than Operational Flying, requiring Aviation Warfare specialty of a pilot
	3217	Training Planning and Program Officer
1312		URL billet, Code 1 - Operational Flying, requiring Aviation Warfare specialty of a pilot.
1322		URL billet, Code 1 - Operational Flying, requiring Aviation Warfare specialty of a Naval Flight Officer
1610		Special Duty Officer billet requiring Cryptology specialty
1630		Special Duty Officer billet requiring Intelligence specialty
2000		Billet filled by a Staff Corps Officer appropriately skilled and experienced within one of the Corps of the Medical Department
	0002	Medical Department Staff Officer
	0005	Director, Health Service or Program
	0026	Health Services Branch Clinic Director
	0031	Plans, Operations, and Medical Intelligence
	0055	Commanding Officer, Fleet Marine Force Company
2100		Staff Corps Officer billet requiring a Medical Corps (MC) Officer
	0101	Internist
	0102	General Practice Medical Officer
	0107	Undersea Medical Officer
	0108	Family Physician
	0109	Emergency Medical Specialist
	0115	Psychiatrist
	0118	Anesthesiologist
	0160	Preventive Medicine Officer
	0163	Preventive Medicine Officer (Occupational)
	0214	General Surgeon
2102		Staff Corps Officer billet requiring a MC Officer, Code 2 - Operational Flying, requiring medical specialty of a Flight Surgeon (FS).
	0110	Flight Surgeon
	0163	Preventive Medicine Officer (Aerospace)
2200		Staff Corps Officer billet requiring a Dental Corps (DC) Officer
	0335	Dental Officer General Practitioner
	0340	Operative Dentist
	0510	Endodontist
	0525	Comprehensive Dentist
	0550	Oral Maxillofacial Surgeon
	0560	Periodontist
	0569	Prosthodontist

2300		Staff Corps Officer billet requiring a Medical Service Corps (MSC) Officer
	0002	Medical Department Staff Officer
	0005	Director, Health Service or Program
	0026	Health Services Branch Clinic Director
	0031	Plans, Operations, and Medical Intelligence
	0055	Commanding Officer, Fleet Marine Force Company
	0113	Physicians Assistant
	0800	Health Care Administrator
	0801	Administrative Officer, Dental Service
	0845	Radiation Health Officer
	0851	Clinical Psychologist
	0860	Entomologist
	0861	Environmental Health Officer
	0862	Industrial Hygiene Officer
	0868	Social Worker
	0892	Podiatrist
2302		Staff Corps Officer billet requiring a MSC Officer with the following specialties (Aviation Physiologist or Aviation Experimental Psychologist)
	0849	Aerospace Physiologist
	0851	Clinical Psychologist
2500		Staff Corps Officer billet requiring a Law specialty
	2529	International Law Attorney
2900		Staff Corps Officer billet requiring a Nurse Corps (NC) Officer
	0002	Medical Department Staff Officer
	0005	Director, Health Service or Program
	0026	Health Services Branch Clinic Director
	0031	Plans, Operations, and Medical Intelligence
	0055	Commanding Officer, Fleet Marine Force Company
	0904	Critical Care Nurse
	0906	Emergency/Trauma Nurse
	0932	Perioperative Nurse
	0944	Staff Nurse
	0952	Nurse Anesthetist
3100		Staff Corps Officer billet requiring a Supply (SC) specialty
	1272	Transportation Logistics Officer
	1306	Material Division Officer
	1476	Procurement Management Officer
	1480	Procurement Contracting Officer
	1515	Inventory Control Methods Officer
	1918	General Supply Officer
	1978	Supply Logistics Officer
	1991	Technical Supply Officer
4100		Staff Corps Officer billet requiring a Chaplain (CHC) specialty.
	3701	Chaplain
	3740	Supervisory Chaplain
	3745	Force Chaplain
	3750	Claimant Chaplain
5100		Staff Corps Officer billet requiring a Civil Engineering (CEC) specialty
	4205	Facilities Engineering Officer
	4210	Staff Civil Engineer
	4215	Facilities Planning and Programming Officer
	4230	Facilities Construction/Facilities Services Officer
	4250	Public Works Officer
	4255	Public Works Operations Officer
	4260	Public Works Maintenance Officer

4270	Public Works Utilities Officer
4275	Public works Planning Officer
4315	Operations Officer, Naval Construction Forces
6120	Limited Duty Officer (LDO), Line, billet requiring an Operations specialty (Surface)
6330	Limited Duty Officer (LDO), Line, billet requiring an Aviation Maintenance specialty (Surface).
7110	Warrant Officer (WO), Line, billet requiring a Boatswain specialty (Surface)
7120	Warrant Officer (WO), Line, billet requiring an Operations Technician specialty (Surface)
7510	Warrant Officer (WO), Line, billet requiring a Supply Corps specialty
7530	Warrant Officer (WO), Line, billet requiring a Civil Engineering specialty

APPENDIX B

NAVY ENLISTED CLASSIFICATION CODES (NEC's)

NEC	TITLE
2401	Marine Combat Basic Skills Specialist
2514	Flag Officer Writer
3538	Bachelor Quarter Specialist
4313	Outboard Engine Mechanic
5341	Master Diver
5342	Diver First Class
5345	Scuba Diver
5601	Uninterruptible Power Supply (UPS) Maintenanceman
5907	Advanced Builder
6105	Advanced Utilities Man
6417	T-400 Turboshaft Jet Engine First Degree Repair/IMA Mechanic
6420	F-404 Turbofan Jet Engine First Degree/IMA Mechanic
6612	Aircraft TACAN/Radio Navigation IMA Technician
6618	USM-458/USM-641 IMA Technician
6658	AN/ASM-686 Night Attack IMA Technician
6688	USM-484 Hybrid Test Set (HTS) IMA Technician
6802	Strike Intermediate Armament Maintenanceman
7002	Aviation Gasoline Handler
7184	F/A-18 Electrical Systems IMA Technician
7197	ASM-608 Inertial Measurement Unit Test Set Maintenance Technician
7212	Stationary Hydraulics Test Stand Operator/Maintenanceman
7232	Structural Repair IMA Technician
7978	Radar Set Test Station IMA Technician
8133	EH-38 Photographic Quality Control Technician
8215	Helicopter Search and Rescue Aircrew Swimmer
8342	Systems Organizational Career Maintenance Technician
8351	A-4 Systems Organizational Career Maintenance Technician
8380	UH-1N Systems Organizational Career Maintenance Technician
8403	Fleet Marine Force Reconnaissance Independent Duty Corpsman
8404	Field Medical Service Technician
8406	Aerospace Medical Technician
8407	Radiation Health Technician
8409	Aerospace Physiology Technician
8425	Surface Force Independent Duty Technician
8427	Fleet Marine Force Reconnaissance Corpsman
8432	Preventive Medicine Technician
8451	Basic X-Ray Technician
8452	Advanced X-Ray Technician
8478	Advanced Biomedical Equipment Technician
8479	Basic Biomedical Equipment Systems Technician
8482	Pharmacy Technician
8483	Surgical Technologist
8485	Psychiatry Technician
8489	Orthopedic Cast Room Technician
8493	Medical Deep Sea Diving Technician
8506	Advanced Medical Laboratory Technician
8703	Dental Department Administrative Technician
8707	Field Service Dental Technician
8708	Dental Hygienist
8732	Dental Equipment Repair Technician

8752 Basic Dental Laboratory Technician
8753 Advanced Dental Laboratory Technician
8783 Dental Surgical Technologist
8842 F/A-18 Systems Organizational Initial Maintenance Technician

Ref. (a) NAVPERSMAN
(b) TRANSMAN
(c) MANMED

1. NEC-2401 Marine Basic Combat Skills Specialist

a. Summary. Religious Programs Specialist that provides physical security for chaplains assigned to Marine units afloat and ashore during field exercises and in combat as a member of the Religious Ministries Team.

b. Requirements. NEC may be awarded upon successful completion of Chaplain/RP Skills Treatment (CREST) course.

2. NEC-2514 Flag Officer Writer

a. Summary. Serves on the personal staffs of Flag and General Officers, and certain other senior officers in command positions at sea and ashore. Must be able to draft personal and professional correspondence; act on matters of social usage, protocol, honors and ceremonies; prepare and liquidate travel orders; and prepare Officer Reports of Fitness.

3. NEC-3538 Bachelor Quarter Specialist

a. Summary. Performs duties as senior manager at bachelor quarters facilities.

4. NEC-4313 Outboard Engine Mechanic

a. Summary. Performs troubleshooting, preventive and corrective maintenance, and engine and lower unit overhauls on 2-stroke outboard engines ranging in size from 9.9 to 225 horsepower.

5. NEC-5341 Master Diver

a. Summary. Qualified to supervise air or mixed gas dives using SCUBA and surface support diving equipment. Proficient in operation of Navy approved underwater breathing equipment, support systems, and recompression chambers as well as in the diagnosis and treatment of diving injuries and illnesses, particularly those requiring recompression therapy.

6. NEC-5342 Diver First Class

a. Summary. Qualified to dive using surface supplied mixed gas (HeO2) and all approved air diving apparatus. Performs salvage and rescue operations using underwater tools.

7. NEC-5345 SCUBA Diver

a. Summary. Performs duties using SCUBA. Conducts day and night general underwater search, detailed ship-bottom search and routine inspection using underwater compass, depth indicators, and associated underwater equipment.

8. NEC-5601 Uninterruptible Power Supply (UPS) Maintenance

a. Summary. Performs preventive and corrective maintenance on solid-state static UPS systems.

9. NEC-5907 Advanced Builder

a. Summary. Mixes, places, finishes, and cures concrete. Constructs forms for concrete construction. Performs masonry construction. Frames floors, walls, stairs, and roofs. Erects waterfront, heavy timber and advanced base structures, and operates and maintains shop tools and equipment.

10. NEC-6105 Advanced Utilities Man

a. Summary. Operates water treatment equipment, water supply, and sewage treatment equipment. Installs water distribution and sewage systems. Operates and maintains boilers, air conditioning, and refrigeration equipment. Determines efficient crew sizes and equipment and material requirements.

11. NEC-6417 T-400 Turboshaft Jet Engine First Degree Repair/IMA Mechanic

a. Summary. Performs first-degree intermediate maintenance on turboshaft jet engines.

12. NEC-6420 F-404 Turbofan Jet Engine First Degree/IMA Mechanic

a. Summary. Performs first-degree intermediate level maintenance and required engine inspections.

13. NEC-6612 Aircraft TACAN/Radio Navigation Equipment IMA Technician

a. Summary. Performs intermediate level maintenance on aircraft TACAN and Radio Navigation Equipment.

14. NEC-6618 USM-458/USM-641 IMA Technician

a. Summary. Performs intermediate level maintenance on the USM-458/USM-641 test console in support of ECM systems employed by fleet tactical aircraft.

15. NEC-6658 AN/ASM-686 Night Attack IMA Technician

a. Summary. Performs in-depth on-line maintenance on AN/ASM-686 Night Attack IMA tests set, peripheral equipment and digital subsystems self-test and building blocks diagnostic programs.

16. NEC-6688 USM-484 Hybrid Test Set (HTS) IMA Technician

a. Summary. Performs in-depth maintenance and circuit analysis on the USM-484 HTS.

17. NEC-6802 Strike Intermediate Armament Maintenanceman

a. Summary. Performs intermediate level maintenance on strike aviation armament equipment.

18. NEC-7022 Aviation Gasoline Handler

a. Summary. Performs organization level maintenance on automotive gasoline systems, aviation fuels systems afloat and ashore, and catapult lube oil distribution and stowage systems.

19. NEC-7184 F/A-18 Electrical Systems IMA Technician

a. Summary. Performs intermediate level maintenance on the F/A-18 automatic flight control system components, flight control logic assemblies, and compatible electrical assemblies.

20. NEC-7197 ASM-608 Inertial Measurement Unit Test Set Maintenance Technician

a. Summary. Operates and performs intermediate maintenance on the AN/ASM-608 IMUTS II.

21. NEC-7212 Stationary Hydraulics Test Stand Operator/Maintenanceman

a. Summary. Performs operational checks, testing/troubleshooting and repair of hydraulic and pneumatic components using the HCT-10 Test Stand.

22. NEC-7232 Structural Repair IMA Technician

a. Summary. Performs metal and advanced composite structures repair at the intermediate maintenance level.

23. NEC-7978 Radar Set Test Station IMA Technician

a. Summary. Performs in-depth maintenance and circuit analysis on the APM-446 Radar Set Test Station at the intermediate maintenance level in support of F/A-18 aircraft.

24. NEC-8133 EH-38 Photographic Quality Control Technician

a. Summary. Operates and maintains all black and white photographic machine processing equipment used in shipboard intelligence. Performs organizational and intermediate maintenance of EH-38 film processors.

25. NEC-8215 Helicopter Search and Rescue Aircrew Swimmer

a. Summary. Performs aviation rescue swimmer duties and search and rescue operations primarily from non-tactical rotary wing aircraft.

26. NEC-8342 F/A-18 Systems Organizational Career Maintenance Technician

27. NEC-8351 A-4 Systems Organizational Career Maintenance Technician

28. NEC-8380 UH-1N Systems Organizational Career Maintenance Technician

29. NEC-8403 Fleet Marine Force Reconnaissance Independent Duty Corpsman

a. Summary. Provides medical and operational services for Fleet Marine Force Reconnaissance personnel engaged in direct action and reconnaissance operations independently of a medical officer.

30. NEC-8404 Field Medical Service Technician

a. Summary. Provides medical services for personnel in field units. This is the source rating for all Medical Department Sailors assigned to Marine organizations.

b. Requirements. NEC may be awarded upon successful completion of USMC Field Medical Service School (FMSS) Field Medical Service Technician (FMST) course.

31. NEC-8406 Aerospace Medical Technician

a. Summary. Assists flight surgeon or medical officer in special examination and treatment of Naval aviators and flight personnel.

32. NEC-8407 Radiation Health Technician

a. Summary. Performs duties of radiation monitor, radiation surveys, gas and liquid analyses with knowledge of the medical aspects relating to personnel exposed to ionizing radiation.

33. NEC-8409 Aerospace Physiology Technician

a. Summary. Serves as a technical assistant to the Aerospace Physiologist. Provides instruction to aviation and non-aviation personnel in aeromedical aspects of flight, in-flight visual problems, spatial disorientation, emergency egress systems, personal life support equipment, and water survival techniques.

34. NEC-8425 Surface Force Independent Duty Corpsman

a. Summary. Provides medical and operational services for Fleet Marine Force personnel at duty stations ashore independent of a medical officer.

35. NEC-8427 Fleet Marine Force Reconnaissance Corpsman

a. Summary. Provides medical and operational services for Fleet Marine Force Reconnaissance personnel engaged in direct action and reconnaissance operations. Performs paramedical skills, basic life support, minor surgical procedures and other routine and emergency medical health care procedures.

36. NEC-8432 Preventive Medicine Technician

a. Summary. Assists Medical Department Officers in the performance of Preventive Medicine and Occupational Health Programs for Naval forces.

37. NEC-8451 Basic X-Ray Technician

a. Summary. Operates limited medical X-ray equipment and performs basic diagnostic radiographs.

38. NEC-8452 Advanced X-Ray Technician

a. Summary. Operates basic and advanced medical X-ray equipment in performance of all diagnostic radiographic examinations.

39. NEC-8478 Advanced Biomedical Equipment Technician

a. Summary. Maintains, repairs and installs mechanical, electromechanical, medical and surgical diagnostic and treatment apparatus, patient monitoring and recording systems.

40. NEC-8479 Basic Biomedical Equipment Systems Technician

a. Summary. Assembles, maintains, troubleshoots, aligns, and calibrates medical equipment. Calculates circuit parameters, solder, plumbing, welding, and documentation.

41. NEC-8482 Pharmacy Technician

a. Summary. Prepares and dispenses prescribed medicines and pharmaceutical preparations.

42. NEC-8483 Surgical Technologist

a. Summary. Assists medical officer in carrying out surgical techniques.

43. NEC-8485 Psychiatry Technician

a. Summary. Assists in the care and treatment of neuropsychiatric patients.

44. NEC-8489 Orthopedic Cast Room Technician

a. Summary. Assists medical officer in application and removal of casts and traction in all forms, and in the maintenance of traction.

45. NEC-8493 Medical Deep Sea Diving Technician

a. Summary. Assists medical officer in prevention and treatment of illnesses associated with deep-sea diving and high-pressure conditions.

46. NEC-8506 Advanced Medical Laboratory Technician

a. Summary. Performs and supervises the performance of advanced laboratory. Performs all phases of blood donor processing and blood banking procedures, clinical bacteriology, mycology, serology, immunohematology, hematology, parasitology, general, and clinical chemistry, toxicology and urinalysis.

47. NEC-8703 Dental Department Administrative Technician

a. Summary. Provides administrative dental support.

48. NEC-8707 Field Service Dental Technician

a. Summary. Assists dental officer in providing dental treatment in the field.

b. Requirements. NEC may be awarded upon successful completion of USMC Field Medical Service School (FMSS) Field Medical Service Technician (FMST) course.

49. NEC-8708 Dental Hygienist

a. Summary. Provides comprehensive dental hygiene service under the direction and supervision of a dental officer.

50. NEC-8732 Dental Equipment Repair Technician

a. Summary. Handles the maintenance, repair and installation of dental equipment and diagnostic devices.

51. NEC-8752 Basic Dental Laboratory Technician

a. Summary. Performs basic and intermediate-level dental prosthetic laboratory procedures.

52. NEC-8753 Advanced Dental Laboratory Technician

a. Summary. Performs and supervises procedures and techniques required in the construction of complex and precision dental prosthetics.

53. NEC-8783 Dental Surgical Technologist

a. Summary. Assists dental officers in carrying out surgical techniques.

54. NEC-8842 F/A-18 Systems Organizational Initial Maintenance Technician

a. Summary. Performs organizational apprentice level maintenance on the F/A-18 aircraft.